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U	STD 6		APP FIG. 1
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DWG ISSUE	CD ISSUE	DATE ISSUED	BY	CHKD	APP'D
1	1	7-30-82	BSG	LEL	
2A	1	2-17-83	BSG	JMB	
3D	1	2-17-83	BSG	JMB	
4B	1	2-17-83	BSG	JMB	
5D	1	11-1-83	BSG	JMB	
6B	1	11-1-83	BSG	JMB	
7B	1	7-2-84	AS	MEP	
8B	1	1-31-85	AS	MEP	
9A	1	3-27-85	AS	MEP	
10B	2B	3-27-85	AS	MEP	
11B	2B	3-27-85	AS	MEP	
12B	2B	3-27-85	AS	MEP	
13B	2B	3-27-85	AS	MEP	

SUPPORTING INFORMATION	
CATEGORY	NO.
CIRCUIT PACK SCHEMATIC	CPS *
EQUIPMENT DRAWING	J1C147BA

* SCHEMATICS OF ALL UN, TN CODED CIRCUIT PACKS ARE SHOWN ON DRAWING NUMBERED WITH A CPS PREFIX FOLLOWED BY THE CODE OF THE PACK - EXAMPLE : 7N10

COMMON SYSTEMS		AT&CO PROVISIONAL	
7N98			
78200 MODEL 2 AND 3 PROCESSOR CENTRAL PROCESSING UNIT CIRCUIT			
DWG SIZE: 88	ISSUE: 13B	SHEET #1 OF 75	
SD-4C098-01			

DESIGNATION MNEMONICS INDEX

MNEMONIC	ES/SYS	DEFINITION	MNEMONIC	ES/SYS	DEFINITION	MNEMONIC	ES/SYS	DEFINITION	MNEMONIC	ES/SYS	DEFINITION
ADRE0	1/11	ADDRESS ERROR	CAB(33,34)0	1/12	ACTIVE LOW PARITY BITS FOR THE BITS CAB(11-23)0 AND CA(08-11)0	CCSTM	7/1	CPU CONVERTER START LOOP, (LOW SIDE)	COOSP	7/1	CPU OUT-OF-SERVICE DISTRIBUTE POINT (POSITIVE SIDE)
ALUCA(B)0	1/5	ALU CLOCK (A,B)	CACHER0	1/8	CACHE ERROR BIT	CCSTP	7/1	CPU CONVERTER START LOOP, (HIGH SIDE)	CPMA	1/1	CURRENT PROGRAMMING (NEGATIVE SIDE) CONVERTER A
ARC1	1/5	AUXILIARY RESULT CLOCK	CAENRCA-D)1	1/13	CACHE ENABLE GATE/SELECTS CACHE MODULE WITH MEMORY DATA AND GATES IT ON DATA BUS	CDRCKP	1/8	CHANNEL DATA REGISTER CLOCK	CPMAA	1/4	CURRENT PROGRAMMING (NEGATIVE SIDE), OPTION AA
ASA(0-3)1	1/10	A/B SELECT 2901 RAM	CAENMAIN	1/13	CACHE ENABLE MODULE A MEMORY	CD(00-35)1	1/10	CACHE DATA BITS 0-35	CPMAB	1/3	CURRENT PROGRAMMING (NEGATIVE SIDE), OPTION AB
ASB(0-3)1	1/10	A/B SELECT 2901 RAM	CAENMBIN	1/13	CACHE ENABLE MODULE B MEMORY	CINTLA	7/2	CPU CONVERTER INTERLOCK LINK A	CPMB	1/10	CURRENT PROGRAMMING (NEGATIVE SIDE) CONVERTER B
ATBM0	1/11	GOES LOW TO INDICATE THAT THE RELOCATION AND PROTECTION INFORMATION FOR THAT ACCESS IS NOT AVAILABLE IN THE ATB	CAERRO0	1/13	CACHE ERROR SIGNAL	CINTLB	7/3	CPU CONVERTER INTERLOCK LINK B	CPMB	1/10	CURRENT PROGRAMMING (NEGATIVE SIDE) CONVERTER B
ATBPGF0	1/11	IS FORCED TO 1 ALWAYS	CAGOS0	1/13	CACHE GO/INITIATES CACHE ACCESS SEQUENCE	CINTLO	7/2	CPU CONVERTER INTERLOCK	CPMBA	2/1	CURRENT PROGRAMMING (NEGATIVE SIDE), OPTION BA
ATBV0	1/11	GOES LOW TO INDICATE THAT THE ACCESS IS FORBIDDEN ON THAT PAGE	CAHITB1	1/13	CACHE HIT "B" SIGNAL	CIOAD(0-5)00	1/8	CCIO BUS ADDRESS, 3 OUT 6 CODE	CPMBB	2/2	CURRENT PROGRAMMING (NEGATIVE SIDE), OPTION BB
BGBEN(0-3)0	1/9	BGB ENABLE, UC OPERATION VIA BGB	CAHITCNT	2/1	CACHE HIT COUNT/INCREMENTS THE CACHE HIT	CIOAK(0-5)00	1/9	CHANNEL AND CCIO ADDRESS ACKNOWLEDGE SIGNALS, BITS 0-5	CPMG	7/3	CURRENT PROGRAMMING (NEGATIVE SIDE) CONVERTER G
BGBEN400	1/9	BGB ENABLE, UC OPERATION VIA BGB	CAHITE(A-H)0	2/1	CACHE HIT ENABLE	CIOASH0	1/9	CHANNEL IO ALL SEEMS WELLS	CPPA	1/1	CURRENT PROGRAMMING (POSITIVE SIDE) CONVERTER A
BGBPP(0-4)0	1/9	PULSE POINT (0-4), ENABLE UC DECODER	CAHITO	1/11	CACHE HIT "A" SIGNAL	CIOCERO	1/9	CHANNEL IO ERROR	CPPAA	1/4	CURRENT PROGRAMMING (POSITIVE SIDE), OPTION AA
BGBRS(0-2)0	1/9	SELECT BITS, DECODE BGB OPERATIONS	CAMEN(A-D)1	1/13	CACHE MODULE ENABLE/IDENTIFIES WHICH MODULE IS TO BE WRITTEN	CIOD(00-15)0	1/8	CCIO DATA BUS BITS 00-15	CPPAB	1/3	CURRENT PROGRAMMING (POSITIVE SIDE), OPTION AB
BGBRW0	1/1	BGB READ-WRITE SIGNAL	CAMISCNT	2/2	CACHE MISS COUNTER INCREMENT	CIOD(16-31)0	1/9	CCIO DATA BUS BITS 16-31	CPPAB	1/3	CURRENT PROGRAMMING (POSITIVE SIDE), OPTION AB
BGB(00-31)1	1/1	BIDIRECTIONAL GATING BUS DATA BITS 00-31	CAMREDA0	1/13	CACHE MEMORY READ ENABLE MODULE A	CIOD(32-35)0	1/12	CCIO BUS PARITY BITS	CPPB	1/10	CURRENT PROGRAMMING (POSITIVE SIDE) CONVERTER B
BGB(32-35)1	1/1	BIDIRECTIONAL GATING BUS PARITY BITS	CAMREDB0	1/13	CACHE MEMORY READ ENABLE MODULE B	CIOEACK0	1/8	CCIO CONTROL BUS ERROR ACKNOWLEDGE BIT	CPPBA	2/1	CURRENT PROGRAMMING (POSITIVE SIDE), OPTION BA
BGRND1	1/9	BIDIRECTIONAL GATING BUS DIRECTION CONTROL	CAMREDC0	1/13	CACHE MEMORY READ ENABLE MODULE C	CIOIAK0	1/8	CCIO INTERRUPT ACKNOWLEDGE BIT	CPPBB	2/2	CURRENT PROGRAMMING (POSITIVE SIDE), OPTION BB
BGR0(0-4)1	1/6	BIDIRECTIONAL GATING REGISTER BITS 0-4	CAMREDD0	1/13	CACHE MEMORY READ ENABLE MODULE D	CIOINHO	1/8	CCIO INHIBIT BIT	CPPG	7/3	CURRENT PROGRAMMING (POSITIVE SIDE) CONVERTER G
BGR(28-31)1	1/6	BIDIRECTIONAL GATING REGISTER BITS 28-31	CAPRS0	1/13	CACHE PRESENT SIGNAL	CIONR0	1/9	CCIO CHANNEL MAINTENANCE RESPONSE			
BIT(00-31)1	1/6	ROTATE LOGIC OUTPUT BITS 00-31	CARCKP	1/9	CHANNEL ADDRESS REGISTER CLOCK	CIODY0	1/9	CCIO CHANNEL READY			
BPENZ0	7/1	BUS POWER ENABLE BRANCH Z	CARDY0	1/13	CACHE READY SIGNAL	CIOD(0,1)	1/8	READ DATA CONTROL SIGNALS			
BRANCH0	1/11	PROGRAM BRANCH, SET BRANCH FLIP-FLOP	CARESET0	1/13	CACHE RESET FOR COUNTERS	CIORINO	1/8	READ INTERRUPT			
BSA(0-3)1	1/10	A/B SELECT 2901 RAM	CASTAK0	1/11	CACHE STACK (SER23)	CIOISRC	1/8	READ SERVICE REQUEST BIT			
BSB(0-3)1	1/10	A/B SELECT 2901 RAM	CATAG(A,B)0	1/13	CACHE TAG; ENABLE TAG MEMORY INFORMATION ON THE CACHE DATA BUS	CIOIRST0	1/8	CCIO CONTROL BUS READ STATUS BIT			
BTCCLR0	1/8	BACKUP TIMER, CLEAR OUTPUT LEAD	CATIMST(1,3)	1/13	CACHE TIME STATE 1,3	CIOSAK0	1/8	CCIO SERVICE REQUEST ACKNOWLEDGE BITS WRITE ADDRESS AND REGISTER BITS			
BYPRMT0	1/11	BYTE PARITY WRITE	CATMST0	1/13	CACHE TIME STATE 2	CIOWCA0	1/8	CCIO CONTROL BUS WRITE ADDRESS AND REGISTER BITS			
CAA(11-23)0	1/12	ACTIVE LOW RELOCATION ADDRESS BITS FROM ATBA (WHEN ATB IS NOT BYPASSED) OR MOST SIGNIFICANT BITS OF THE VIRTUAL ADDRESS (WHEN THE ATB IS BYPASSED)	CAWAIT0	1/13	CACHE WAIT	CIOWDO	1/8	CCIO CONTROL BUS WRITE DATA BITS			
CAA(33,34)0	1/12	ACTIVE LOW PARITY BITS FOR BITS CAA(11-23)0 AND CA(08-10)0	CAWTAG(A,B)0	1/13	CACHE WRITE TAG SIGNAL	CKINO	1/8	CLOCK INHIBIT			
CABYP0	1/12	CACHE BYPASS WHICH DISABLES THE CACHE STORE UNIT	CA(00-07,24)0	1/11	ACTIVE LOW VERSION OF THE VIRTUAL ADDRESS (FROM SAR) BITS 00-10. BITS USED BY THE CACHE TO ACCESS DATA AND TAG MEMORY MODULES	CLER(00,15)0	1/8	CLEAR ERROR REGISTER			
CAB(11-23)0	1/12	CACHE PHYSICAL ADDRESS BITS, ACTIVE LOW RELOCATION OUT OF ATBB	CA(08-10)0	1/12	ACTIVE LOW VERSION OF THE VIRTUAL ADDRESS (FROM SAR) BITS 00-10. BITS USED BY THE CACHE TO ACCESS DATA AND TAG MEMORY MODULES	CLKA(N,P)	3/1	MCA A PORT RECEIVE CLOCK			
			CA320	1/11	PARITY BITS FOR BITS CA(00-08)0	CLKMCH0	1/5	CLOCK MATCH ERROR			
			CCALM0	7/2	CPU CONVERTER ALARM	CLMT0	7/1	CPU LED TEST			
						CLRBO	1/13	CLEAR B INPUT			
						CLRERO	3/1	CLEAR ERROR REGISTER			
						CLRO	5/1	READ AND CLEAR OPERATION TO MAIN STORE CONTROLLER			
						COOSM	7/1	CPU OUT-OF-SERVICE DISTRIBUTE POINT (NEGATIVE SIDE)			

SEE PROPRIETARY NOTICE ON COVER SHEET

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		C2	7B
AT&T BELL LABORATORIES	SD-4C098-01	APZ	

DESIGNATION MNEMONICS INDEX

MEMONIC	ES/SYM	DEFINITION	MEMONIC	ES/SYM	DEFINITION	MEMONIC	ES/SYM	DEFINITION	MEMONIC	ES/SYM	DEFINITION
CPMRELRO	1/8	CPU POWER CLEAR	DIABUS0	5/1	DMA 1 HAS THE STORE ADDRESS BUS	HM(24-31)1	1/5	HALF WORD MULTIPLEXER BITS 24-31	MIR(44-47)1	1/5	MICROINSTRUCTION REGISTER 44-47
CRQIPN	7/1	CPU REQUEST IN PROGRESS (NEGATIVE SIDE)	D1CLR0	5/1	DMA REQUESTS A READ AND CLEAR OPERATION FROM MAIN STORE	HSR00P	1/6	HARDWARE STATUS REGISTER CLOCK	MIR(50-55)1	1/5	MICROINSTRUCTION REGISTER 50-55
CRQIPP	7/1	CPU REQUEST IN PROGRESS (POSITIVE SIDE)	D1DBUS0	5/1	DMA 1 HAS THE STORE DATA BUS	HSR(00-03)1	1/6	HARDWARE STATUS REGISTER BITS (TEMP FLAGS)	MIR(57-60)1	1/5	MICROINSTRUCTION REGISTER 57-60
CSDXN	7/1	CPU POWER SCAN POINT X (NEGATIVE SIDE)	D1SCM0	5/1	STORE COMPLETE TO DMA 1	HSR(04,05,07)1	1/8	HARDWARE STATUS REGISTER BITS (TEMP FLAGS)	MJ	7/1	MAJOR ALARM CONTACT
CSDXP	7/1	CPU POWER SCAN POINT X (POSITIVE SIDE)	D1SG00	5/1	DMA 1 STORE GO SIGNAL	HSR061	1/9	HARDWARE STATUS REGISTER BITS (TEMP FLAGS)	MJR	7/1	MAJOR ALARM RETURN (GROUND)
CSCYN	7/1	CPU POWER SCAN POINT Y (NEGATIVE SIDE)	D1WRT0	5/1	DMA 1 REQUESTS A WRITE OPERATION TO MAIN STORE	IBPE0	1/10	INSTRUCTION BUFFER PARITY ERROR	MLTEN00	1/1	MLTS ENABLE TO MICROSTORE
CSCYP	7/1	CPU POWER SCAN POINT Y (POSITIVE SIDE)	EAIMRFO	1/8	EAI MAINTENANCE RESTART FUNCTION (RESET CC)	IBS(A,B)0	1/11	INSTRUCTION BUFFER SELECT A,B	MLTGBRO	1/1	MLTS GATING BUS RELEASE SIGNAL
CSDMAD0	1/13	CACHE STORE DMA	EAIIRST1	7/1	POWER-UP RESTART FOR EAI	INHCMY0	1/13	INHIBIT HIT/MISS COUNTERS	MLTMC10	3/1	MLTS SIGNAL TO INHIBIT THE MCH
CSMAINT0	1/13	CACHE STORE MAINTENANCE MODE	EAREV0N	6/1	EAI SERIAL RECEIVED DATA (LOW SIDE) FROM IOP 0	INIT00	7/1	INITIALIZATION LEAD (D COPY) TO COOLING UNITS	MLTMCR0	3/1	MLTS SIGNAL TO FORCE MCH TO RELEASE BUS CONTROL
CSMIS1	1/13	CACHE STORE MISS	EAREV0P	6/1	EAI SERIAL RECEIVED DATA (HIGH SIDE) FROM IOP 0	INTP(A,B)1	1/9	INPUT TO INTERRUPT LOGIC FROM 15 BITS 12-0	MLTTP(0-2)0	1/1	MLTS PULSE POINTS TO THE MICROSTORE
CSREN(A-D)0	1/13	CACHE STORE READ ENABLE	EAREV1N	6/1	EAI SERIAL RECEIVED DATA (LOW SIDE) FROM IOP 1	INTRPT0	1/8	EXTERNAL PANEL INTERRUPT	MLTRW0	1/1	MLTS READ WRITE SIGNAL
EST011	1/13	INVERSE OF CACHE TIME STATE 1	EAREV1P	6/1	EAI SERIAL RECEIVED DATA (HIGH SIDE) FROM IOP 1	INTST0	1/12	WHEN ACTIVE, INDICATES TO THE CACHE THAT THE ACCESS IS DIRECTED TO THE INTERRUPT STACK REGION OF THE CACHE	MMINT0	1/9	OUTPUT OF MICROINTERRUPT LOGIC
DAHA(N,P)	3/1	MCH A PORT "HIGH" SERIAL DATA	EARTS0(N,P)	6/1	SERVICE REQUEST TO MTC PC0 COMPLEMENT/TRUE (DIFFERENTIAL)	IOPPER1	1/8	I/O PULSE POINT ERROR	MPC1	1/5	MODIFIED PIPELINE CLOCK
DALA(N,P)	3/1	MCH A PORT "LOW" SERIAL DATA	EARTS1(N,P)	6/1	SERVICE REQUEST TO MTC PC1 COMPLEMENT/TRUE (DIFFERENTIAL)	ISCLR0	1/8	CLEAR INTERRUPT SET REGISTER CLOCK	MPTC1	1/5	MICROPIPELINE TRACE CLOCK
DCRE0	1/11	STORE ADDRESS CONTROL ERROR	EAXM0(N,P)	6/1	SERIAL TRANSMITTED DATA TO MTC PC0 COMPLEMENT/TRUE (DIFFERENTIAL)	ISSET0	1/8	SET INTERRUPT SET REGISTER CLOCK	MRF0	3/1	MAINTENANCE RESET FUNCTION
DISAB0	1/8	DISABLE B/SSR BIT 30	EAXM1(N,P)	6/1	SERIAL TRANSMITTED DATA TO MTC PC1 COMPLEMENT/TRUE (DIFFERENTIAL)	ITCLR1	1/8	CLEAR PRETIMERS FOR TIMERS	MSA(00-17)1	1/1	MICROSTORE ADDRESS BITS 0-17
DRD(0-3)0	1/12	DIAGNOSTIC/RECOVERY DATA FROM CC TO EAI (55R0-3 OUTPUTS)	ECC100	6/1	EAI CC IDENTIFICATION	ITMS1	1/9	1 MS CLOCK FOR TIMERS	MSDVO	1/1	THIS SIGNAL WILL BE LOW WHEN THERE IS VALID MICROSTORE DATA ON THE MSD BUS
DSTCA0(0-6)0	1/5	DESTINATION CLOCKS 0-6A	EMINTCP	1/9	ERROR MICROINTERRUPT CLOCK (OUTPUT ERROR REGISTER)	I10MS0	1/8	10 MS CLOCK FOR TIMERS			
DSTCA(08-11)N	1/5	DESTINATION CLOCKS 8-11A	ERCLCK1	1/8	CLEAR ERROR REGISTER	KSTEND	1/12	STORE ADDRESS TRANSLATOR			
DSTCA(12-14)0	1/5	DESTINATION CLOCKS 12-14A	ER000	1/9	ERROR REGISTER BIT	MASKA(0,1)1	1/6	MASK LOGIC CONTROL			
DSTCA(70-77)0	1/5	DESTINATION CLOCKS 70-70A	FBDO0	1/8	FORCE CC TO USE PRIMARY BOOT DEVICE IF BOOT OCCURS	MASKB(0,1)1	1/7	MASK LOGIC CONTROL			
DSTCB0(0-6)	1/5	DESTINATION CLOCKS 0-6B	FBDS0	1/8	FORCE CC TO USE SECONDARY BOOT DEVICE IF BOOT OCCURS	MCHERO	3/1	MCH ERROR			
DSTCB(08-11)N	1/5	DESTINATION CLOCKS 8-11B	FLZPAR1	1/8	FIND LOW ZERO PARITY BIT	MCHINT0	1/8	MAINTENANCE CHANNEL INITIALIZATION CONTROL			
DSTCB(12-14)0	1/5	DESTINATION CLOCKS 12-14B	FTCHC(A,B)0	1/11	FETCH CLOCK A,B	MCHMRO	3/1	MCH REQUEST SIGNAL TO RELEASE MTC BUS			
DSTCB710	1/5	DESTINATION CLOCK 71B	FTCH0	1/5	FETCH BIT, STORE FETCH OPERATION	MCHMSR0	3/1	MCH REQUEST SIGNAL TO RELEASE MTC BUS			
DSTMER1	1/6	ALU MATCH ERROR	FXTADRO	1/9	HRS BIT 31	MCPARE0	1/5	MICROCONTROL PARITY ERROR			
DST(00-31)1	1/6	DESTINATION BITS 00-31	F0FLO	1/8	FORCE OFFLINE	MDISA0	3/1	DISABLE A SIGNAL			
DST(32-35)1	1/6	DESTINATION PARITY BUS BITS 32-35	F0NLO	1/8	FORCE ONLINE	MDISB0	3/1	DISABLE B SIGNAL			
DTIMO	1/8	DISABLE CC SANITY TIMER	HDINER0	1/9	INTERRUPT INPUT CAUSED BY HARDWARE PROBLEM	MINT00	1/5	MISS			
DWCG0	5/1	DMA IS WRITING MAIN STORE USED FOR CACHE INVALIDATE	HFPRT0	1/11	HALF PARITY WRITE	MINT10	1/5	ERROR			
DOABUS0	5/1	DMA 0 LESS THE STORE ADDRESS BUS	HMSA(0,1)0	1/11	HALF WORD MULTIPLEXER SELECT 0,1/A	MIRERORN	1/8	MICROINTERRUPT ERROR SIGNAL			
DOCLRO	5/1	DMA 0 REQUESTS A READ AND CLEAR OPERATION FROM MAIN STORE	HMSB(0,1)0	1/11	HALF WORD MULTIPLEXER SELECT 0,1/B	MIR(08-41)1	1/5	MICROINSTRUCTION REGISTER 08-41			
DOOBUS0	5/1	DMA 0 HAS THE STORE DATA BUS									
DOSCM0	5/1	STORE COMPLETED TO DMA 0									
DOSG00	5/1	DMA 0 STORE GO SIGNAL									
DOWRT0	5/1	DMA 0 REQUESTS A WRITE OPERATION TO MAIN STORE									

CENTRAL PROCESSING UNIT		DWG SIZE C2	ISSUE 6B
BELL LABORATORIES	SD-4098-01	AP3	

DESIGNATION MNEMONICS INDEX

MNEMONIC	ES/SYM	DEFINITION	MNEMONIC	ES/SYM	DEFINITION	MNEMONIC	ES/SYM	DEFINITION	MNEMONIC	ES/SYM	DEFINITION
MSD(00-63)1	1/1	MICROSTORE DATA BITS 0-63	OABUS0	5/1	STORE ADDRESS BUS CONTROL TO OTHER CU	PRER001	1/6	SOURCE BUS PARITY CHECK	SA(08-23)1	1/12	STORE ADDRESS BITS 8-23
MSPOS00	1/1	MICROSTORE POSITION INDICATOR	OCLR10	5/1	READ/CLEAR SIGNAL FROM OTHER CU	PRER191	1/6	PARITY DIVERT PARITY CHECK	SA241	1/11	STORE ADDRESS BIT 24
MSPOS10	1/2	MICROSTORE POSITION INDICATOR	ODBUS0	5/1	STORE DATA BUS CONTROL TO OTHER CU	PRVINST0	1/5	PRIVILEGE INSTRUCTION ERROR	SA321	1/11	STORE ADDRESS PARITY OVER SA(00-07)1
MSPOS20	1/3	MICROSTORE POSITION INDICATOR	OPC0CAB	1/10	OPCODE CLOCK A	PRVIG(0-3)1	1/9	PRIVILEGE 0-3	SA331	1/12	STORE ADDRESS PARITY OVER SA(08-15)1
MS36R11	1/1	MICROSTORE POSITION STRAP 1 - SLOT 0	OPC0CBB	1/10	OPCODE CLOCK B	PSG00	1/11	STORE GO	SA341	1/12	STORE ADDRESS PARITY OVER SA(16-23)1
MS36R21	1/1	MICROSTORE POSITION STRAP 2 - SLOT 0	OSCM0	5/1	STORE COMPLETE FROM OTHER CU	PSM(0-3)1	1/6	PROGRAM STATUS REGISTER BITS 0-3	SA351	1/11	STORE ADDRESS PARITY OVER SA(16-23)1
MS36R31	1/1	MICROSTORE POSITION STRAP 3 - SLOT 0	OSCON	1/5	SYSTEM OSCILLATOR	PSM(06-15)1	1/8	PROGRAM STATUS REGISTER BITS 6-15	SBYTE0	1/12	STORE OPERATION ON A BYTE
MS42R11	1/2	MICROSTORE POSITION STRAP 1 - SLOT 1	OSGCO	5/1	STORE GO FROM OTHER CU	PSM(16-19)1	1/9	PROGRAM STATUS REGISTER BITS 16-19	SCB1N0	1/8	SINGLE CYCLE BLOCK INTERRUPT
MS42R21	1/2	MICROSTORE POSITION STRAP 2 - SLOT 1	OTSER(A-D)0	5/1	POWER OUT OF TOLERANCE SCAN POINT A-D	PWS321	1/8	PROGRAM STATUS REGISTER BIT 32	SCM0	5/1	STORE ACCESS COMPLETE SIGNAL
MS42R31	1/2	MICROSTORE POSITION STRAP 3 - SLOT 1	OUPD0	5/1	STORE UPDATE FROM OTHER CU	PTRST0	3/1	PROGRAM TIMER RESET	SCOMP0	1/12	STORE COMMAND BITS PARITY
MS50R11	1/3	MICROSTORE POSITION STRAP 1 - SLOT 2	OWRT0	5/1	WRITE SIGNAL FROM OTHER CU	PUPD0	1/9	PROCESSOR UPDATE	SCR(00-09)1	1/11	STORE CONTROL REGISTER BITS 0-9
MS50R21	1/3	MICROSTORE POSITION STRAP 2 - SLOT 2	PA	7/1	POWER ALARM CONTACT (COMBINED POWER ALARMS)	PWRK1	7/1	POWER KEY	SCR111	1/8	STORE CONTROL REGISTER BIT 11
MS50R31	1/3	MICROSTORE POSITION STRAP 3 - SLOT 2	PABUS0	5/1	CU HAS THE STORE ADDRESS BUS	PSVA	1/1	+5V LOGIC SUPPLY TO SEGMENT A	SCR161	1/5	STORE CONTROL REGISTER BIT 16
MS58R11	1/4	MICROSTORE POSITION STRAP 1 - SLOT 3	PAR	7/1	POWER ALARM RETURN (GROUND)	PSVAA	1/4	+5V LOGIC SUPPLY TO SEGMENT AA	SCR(19-22)1	1/11	STORE CONTROL REGISTER BITS 19-22
MS58R21	1/4	MICROSTORE POSITION STRAP 2 - SLOT 3	PARCKC0	1/6	PARITY CLOCK CONTROL (SOURCE BUS)	PSVAB	1/3	+5V LOGIC SUPPLY TO SEGMENT AB	SCR(27-31)1	1/11	STORE CONTROL REGISTER BITS 27-31
MS58R31	1/4	MICROSTORE POSITION STRAP 3 - SLOT 3	PARC0	1/5	PARITY CLOCK	PSVBA	2/1	+5V LOGIC SUPPLY TO SEGMENT BA	SDE0	1/12	STORE DATA BUFFER ENABLE
MTEN(0,1)0	3/1	ENABLE FOR MAINTENANCE TEST BUS	PARDIV0	1/6	PARITY DIVERT	PSVBB	2/2	+5V LOGIC SUPPLY TO SEGMENT BB	SDRS(A,R)0	1/11	STORE DATA REGISTER A,B
MTESL(0,1)1	3/1	SELECT FOR MAINTENANCE TEST BUS	PARINH0	1/6	PARITY INHIBIT	READ(A,B)0	1/11	READ CLOCK (A,B)	SD(00-31)1	1/13	STORE DATA BITS 0-31
MTC(00-15)1	1/8	MAINTENANCE TEST BUS 0-15	PARNT0	1/6	PARITY WRITE	READ1	1/11	READ DATA FROM MEMORY ARRAY			
MTC(16-31)1	1/9	MAINTENANCE TEST BUS 16-31	PB(0-3)0	1/9	INITIALIZATION PARAMETER BUS FROM EAI TO CC (SSR24-27 INPUTS)	REQA(N,P)	3/1	HCH PORTS INITIALIZE LINE			
MTC(32-35)1	1/6	MAINTENANCE TEST BUS PARITY BITS 32-35	PB(0-2)1	1/9	FLZ PARITY (LOW 3 BITS)	RESACK0	1/5	RESET ACKNOWLEDGE			
MTS(02-07)0	1/9	MAINTENANCE DIAGNOSTICS STATES FOR	PB(0-2)1	1/9	FLZ PARITY (LOW 3 BITS)	RESETO	1/8	RESET			
MYSER(A,C)0	1/8	MY STORE ERROR	PDBUS0	5/1	PROCESSOR DATA BUS ENABLE	RIPDK0	1/8	RIPPLE CLOCK SIGNAL			
MYSER(B,D)0	1/9	MY STORE ERROR	PDIS(A,B)0	5/1	PROCESSOR DISABLE (A,B)	RSA(0-4)1	1/10	ROTATE LOGIC CONTROL			
NEXTCA00	1/11	NEXT CLOCK 0A	PECC0	1/8	FLZ CONTROL SIGNAL	RSB(0-4)1	1/10	ROTATE LOGIC CONTROL			
NEXTCA10	1/10	NEXT CLOCK 1A	PGEFLT0	1/11	FLZ CONTROL SIGNAL	RTC1MS1	1/8	REAL TIME COUNTER 1 MSEC SIGNAL			
NEXTCB00	1/11	NEXT CLOCK 0B	PGS(A,B)1	1/9	FLZ CONTROL SIGNAL	SARA00	1/11	STORE ADDRESS REGISTERS 0A			
NEXTCB10	1/11	NEXT CLOCK 1B	PINT0	3/1	PANEL INTERRUPT	SARA10	1/11	STORE ADDRESS REGISTERS 1A			
NOG00	1/5	NO GO	PMSDMA0	1/11	STORE COMPLETE TO PROCESSOR FROM MY SIDE, BRANCH A	SARB00	1/11	STORE ADDRESS REGISTERS 0B			
N48VCPU1	7/2	-48V SUPPLY (FUSED) TO CPU SEGMENT 1	PMSCH0	5/1	MAIN STORE COMPLETE	SARB10	1/11	STORE ADDRESS REGISTERS 1B			
N48VCPU2	7/3	-48V SUPPLY (FUSED) TO CPU SEGMENT 2	PONL0	1/9	PROCESSOR ON LINE	SAR(08-23)1	1/11	STORE ADDRESS REGISTER BITS 08-23			
N48VCPU3	7/1	-48V SUPPLY (FUSED) TO CPU SEGMENT 3	POSCHP	5/1	OTHER STORE COMPLETE	SAR(33,34)1	1/11	STORE ADDRESS REGISTER PARITY BITS			
			PPC1	1/5	PRIMARY PIPELINE CLOCK	SATERRO	1/11	STORE ADDRESS TRANSLATION ERROR			
			PP140	1/8	PULSE POINT 14	SATER00	1/12	SAT PACK ERROR (HARDWARE FAULT DETECTED)			
			PP150	1/8	PULSE POINT 15	SATER10	1/12	SAT PACK ERROR (NON-PARITY HARDWARE FAULT IN SAR)			
			PP220	1/9	PULSE POINT 22 (TO EAI)	SATVIL0	1/11	STORE ADDRESS TRANSLATION VIOLATION ERROR			
			PP230	1/9	PULSE POINT 23 (TO EAI)						
			PP250	1/8	PULSE POINT 25						
			PREBIT1	1/6	BIT ROTATE PARITY CHECK	SA(00-07)1	1/11	STORE ADDRESS BITS 0-7			

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CENTRAL PROCESSING UNIT		PAGE SIZE	ISSUE
		02	7B
AT&T BELL LABORATORIES	SD-4C098-01	A14	

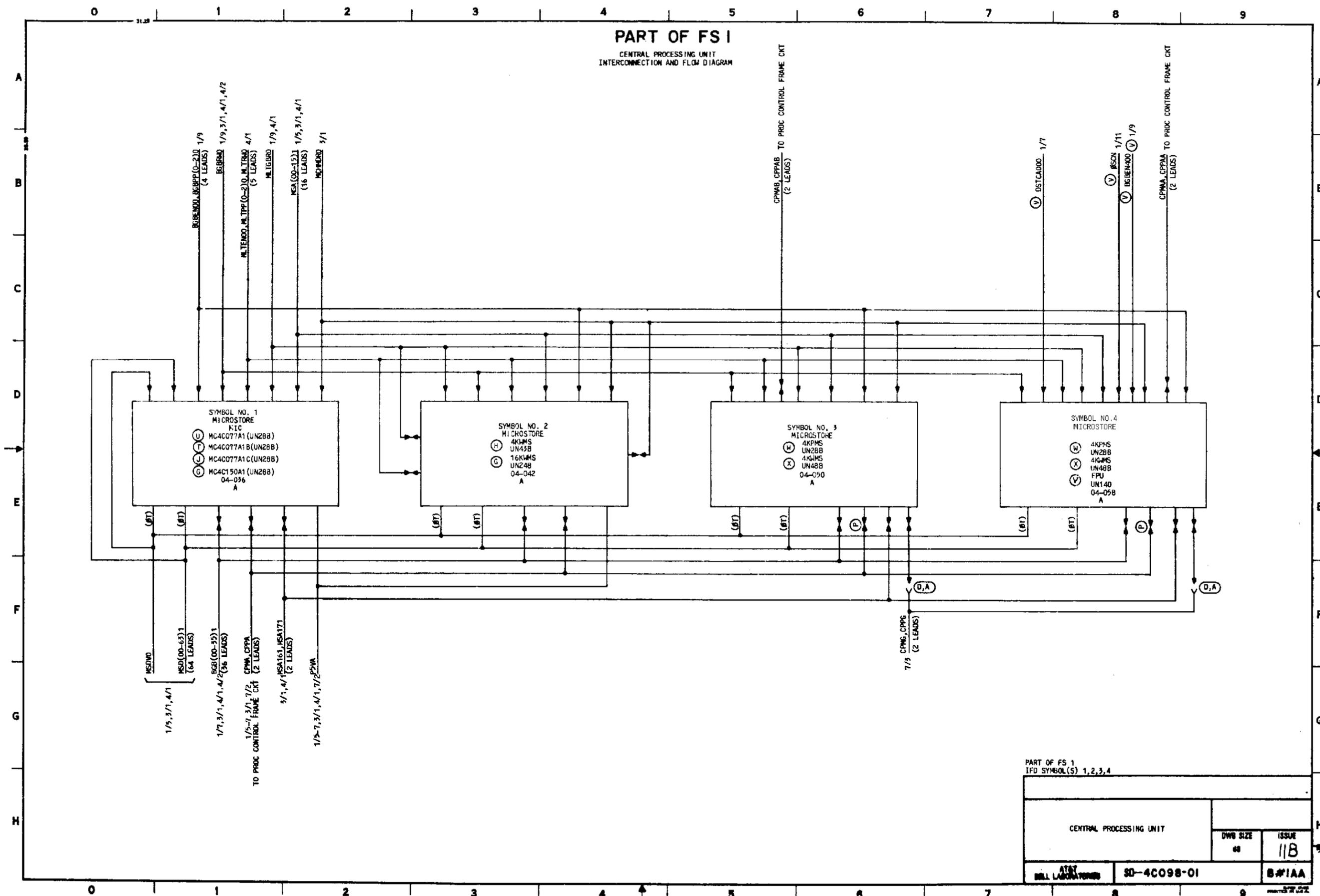
DESIGNATION MNEMONICS INDEX

MNEEMONIC	ES/SYM	DEFINITION	MNEEMONIC	ES/SYM	DEFINITION	MNEEMONIC	ES/SYM	DEFINITION
SD321	1/13	STORE DATA PARITY OVER SD(00-07)1 (BYTE 3)	SSR130	1/8	SYSTEM STATUS REGISTER BIT 13	UWRTO	5/1	STORE WRITE OPERATION FROM OTHER CU
SD331	1/13	STORE DATA PARITY OVER SD(08-15)1 (BYTE 2)	SSR180	1/9	SYSTEM STATUS REGISTER BIT 18	VALID(A-D)1	1/13	VALIDATION BITS FOR MODULES A-D
SD341	1/13	STORE DATA PARITY OVER SD(16-23)1 (BYTE 1)	SSR230	1/8	SYSTEM STATUS REGISTER BIT 23	VALUA00	1/5	ONE OF EIGHT FLAG BIT OUTPUTS
SD351	1/13	STORE DATA PARITY OVER SD(24-31)1 (BYTE 0)	SSR290	1/8	SYSTEM STATUS REGISTER BIT 29	VALUA10	1/10	ONE OF EIGHT FLAG BIT OUTPUTS
SFTERO	1/9	SOFTWARE CAUSED INTERRUPT	STAZO	7/1	POWER SEQUENCE START PHASE A (COPY 2)	VALUB00	1/7	ONE OF EIGHT FLAG BIT OUTPUTS
SG00	5/1	STORE GO	STEP0	3/1	SINGLE STEP SIGNAL	VALUB10	1/5	ONE OF EIGHT FLAG BIT OUTPUTS
SHALFO	1/12	STORE HALF WORD COMMAND	STIME0	5/1	STORE TIMEOUT ERROR	WAIT1	1/5	WAIT
SIRS(A,B)0	1/11	STORE INSTRUCTION REGISTER SELECT A,B	STIME00	1/11	STORE TIMEOUT ERROR 0 (MINE)	WIDTH1	1/9	WIDTH
SIS000	1/9	ISOLATE THE DMA FROM THE STORE BUS	STIME10	1/11	STORE TIMEOUT ERROR 1 (OTHER)	WRIT0	1/5	STORE WRITE OPERATION
SIS000	1/9	ISOLATE THE OTHER SIDE FROM THE STORE BUS	STOPO	1/9	CC STOP FLIP-FLOP	WRIT1	1/11	STORE WRITE OPERATION COMPARATOR INPUT
SIS040	1/8	INTERRUPT SET BIT 4	STPCLRO	1/8	STOP FLIP-FLOP CLEAR	WRT0	5/1	WRITE COMMAND TO STORE
SIS060	1/8	INTERRUPT SET BIT 6	STPIND0	1/9	CC IS STOPPED	XCKA(N,P)	3/1	DIFFERENTIAL DC CLOCK INPUT FOR A SERIAL DATA PORT
SIS070	1/8	INTERRUPT SET BIT 7	STPSET0	3/1	STOP FLIP-FLOP SET	48RCPU1	7/2	48V RETURN, CPU SEGMENT 1
SIS090	1/8	INTERRUPT SET BIT 9	STPSWO	1/8	STOP AND SWITCH SIGNAL	48RCPU2	7/3	48V RETURN, CPU SEGMENT 2
SIS100	1/8	CHANEL INTERRUPT - DMA 0	SUA(00-35)1	5/1	STORE ADDRESS BUS BETWEEN CU'S BITS 0-35	48RCPU3	7/1	48V RETURN, CPU SEGMENT 3
SIS110	1/8	INTERRUPT SET BIT 11	SUBYTE0	5/1	BYTE OPERATION TO OTHER CU			
SIS120	1/8	INTERRUPT SET BIT 12	SUCOMPO	5/1	STORE COMMAND PARITY TO OTHER CU			
SIS130	1/8	INTERRUPT SET BIT 13	SUD(00-35)1	5/1	STORE DATA BUS BETWEEN CU'S BITS 0-35			
SIS140	1/8	INTERRUPT SET BIT 14	SUER(A,D)1	5/1	OTHER STORAGE ERROR (A,D) FROM OTHER CU			
SIS150	1/8	INTERRUPT SET BIT 15	SUHALFO	5/1	HALF WORD OPERATION TO OTHER CU			
SMAINT0	1/12	STORE MAINTENANCE OPERATION IS ACTIVE	SUMANT0	5/1	STORE MAINTENANCE OPERATION TO OTHER CU			
SOER(A-D)1	5/1	STORE ERROR (A-D) TO OTHER CU	TAA0(7-9)1	1/12	3 MOST SIGNIFICANT BITS OF THE ATB ADDRESS, USED BY THE UTILITY CIRCUIT TO DETERMINE THE CURRENTLY USED BLOCK OF THE ATB			
SRCEAA(1,3)0	1/5	SOURCE ENABLE 1,3 AA	THITA1	1/12	ADDRESS TRANSLATION HIT ON CAA(11-23)1 ADDRESS LINES			
SRCEAB(1,3)0	1/5	SOURCE ENABLE 1,3 AB	THITB1	1/12	ADDRESS TRANSLATION HIT ON CAB(11-23)1 ADDRESS LINES			
SRCE(A,B)000	1/5	SOURCE ENABLE 00 A,B	T10US1	1/9	10 US LEAD USED FOR THE TIMERS			
SRCE(A,B)010	1/5	SOURCE ENABLE 01 A,B	UABUS0	5/1	STORE ADDRESS BUS CONTROL FROM OTHER CU			
SRCE(A,B)200	1/5	SOURCE ENABLE 20 A,B	UCLRO	5/1	STORE READ AND CLEAR OPERATION FROM OTHER CU			
SRCE(A,B)210	1/5	SOURCE ENABLE 21 A,B	UDBUS0	5/1	STORE DATA BUS CONTROL FROM OTHER CU			
SRCEBA(1,3)0	1/5	SOURCE ENABLE 1,3 BA	USCM0	5/1	STORE COMPLETE SIGNAL FROM OTHER CU			
SRCEBB(1,3)0	1/5	SOURCE ENABLE 1,3 BB	USGO0	5/1	STORE GO FROM OTHER CU			
SRC(00-29)1	1/10	SOURCE BUS BITS 00-29	UTLINT00	4/2	UC INTERRUPT, SETS BIT 8 OF THE IS REGISTER			
SRC(30,31)1	1/11	SOURCE BUS BITS 30,31	UUPDO	5/1	MY CU IS IN UPDATE TO OTHER CU (NOT USED IN SIMPLEX)			
SRC(32-35)1	1/11	SOURCE BUS PARITY BITS						
SSHUTO	1/9	CC IS HALTED						
SSRCLRO	1/8	SYSTEM STATUS REGISTER CLOCK SET						
SSRSET0	1/8	SYSTEM STATUS REGISTER CLOCK SET						
SSRC010	1/8	SYSTEM STATUS REGISTER BIT 0						
SSR0210	1/8	SYSTEM STATUS REGISTER BIT 2						

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CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		C	7B
AT&T BELL LABORATORIES	SD-4C098-01	A#5	

PART OF FS I
CENTRAL PROCESSING UNIT
INTERCONNECTION AND FLOW DIAGRAM

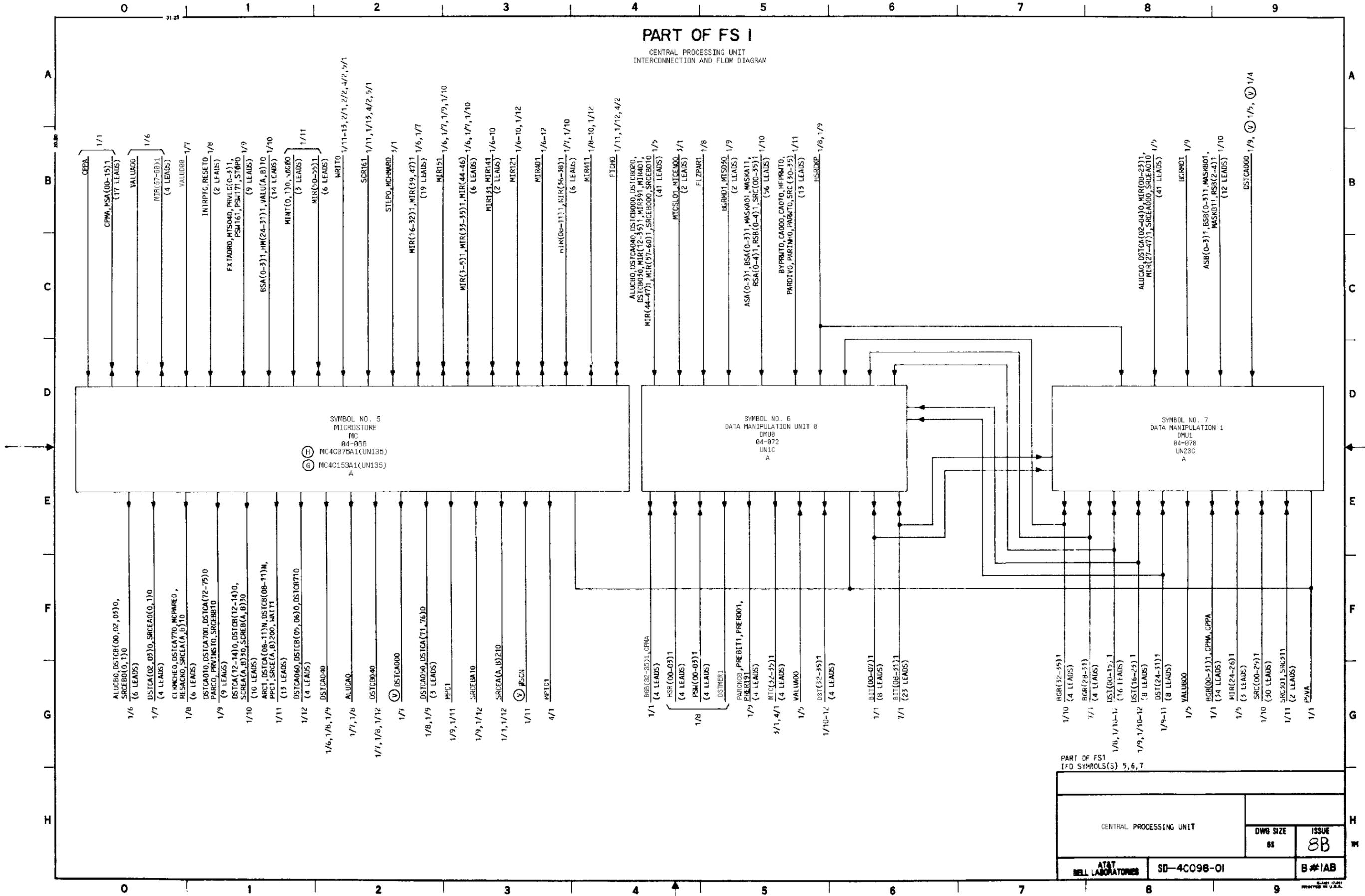


PART OF FS I
IFD SYMBOL(S) 1,2,3,4

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		48	11B
AT&T BELL LABORATORIES	SD-4C098-01	B#1AA	

PART OF FS I

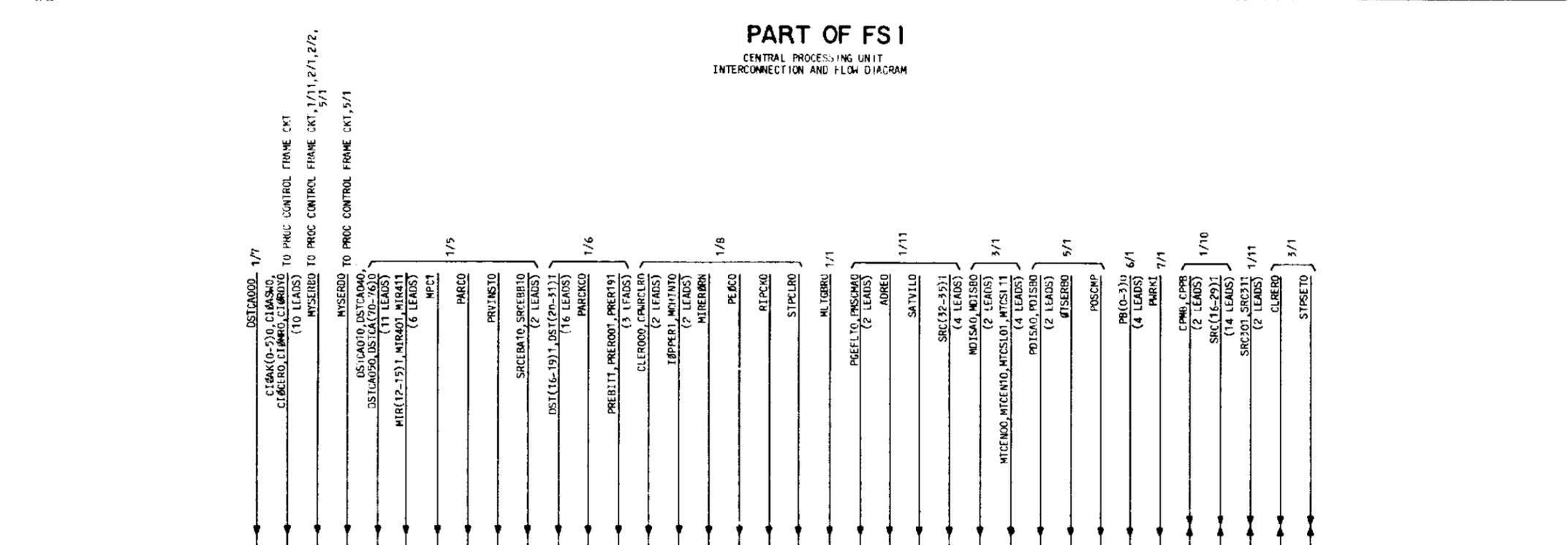
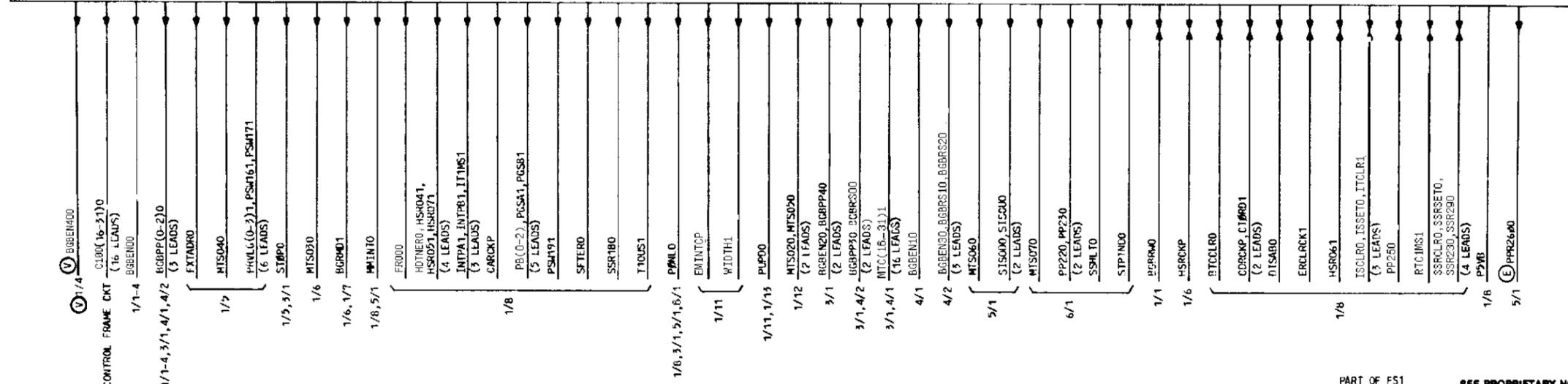
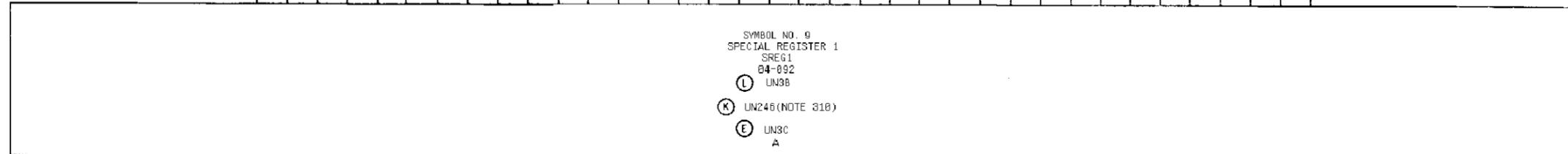
CENTRAL PROCESSING UNIT
INTERCONNECTION AND FLOW DIAGRAM



PART OF FS I
IFD SYMBOL(S) 5, 6, 7

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		88	8B
AT&T BELL LABORATORIES		SD-4C098-01	B#1AB

PART OF FS1
CENTRAL PROCESSING UNIT
INTERCONNECTION AND FLOW DIAGRAM

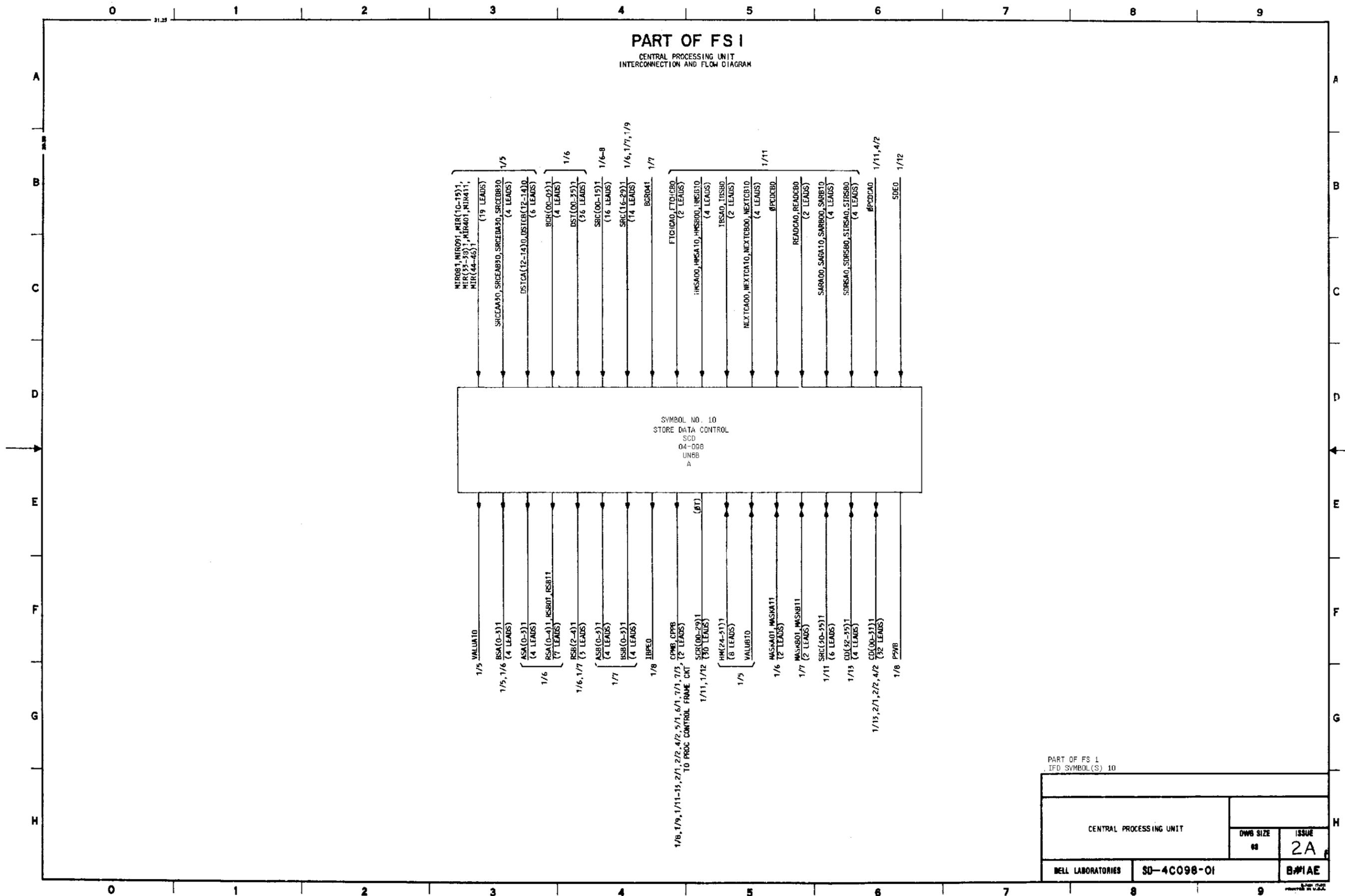


PART OF FS1
IFD SYMBOL(S) 9

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CENTRAL PROCESSING UNIT		IMG SIZE 65	ISSUE 88
AT&T BELL LABORATORIES	SD-4C098-OI	B#1AD	

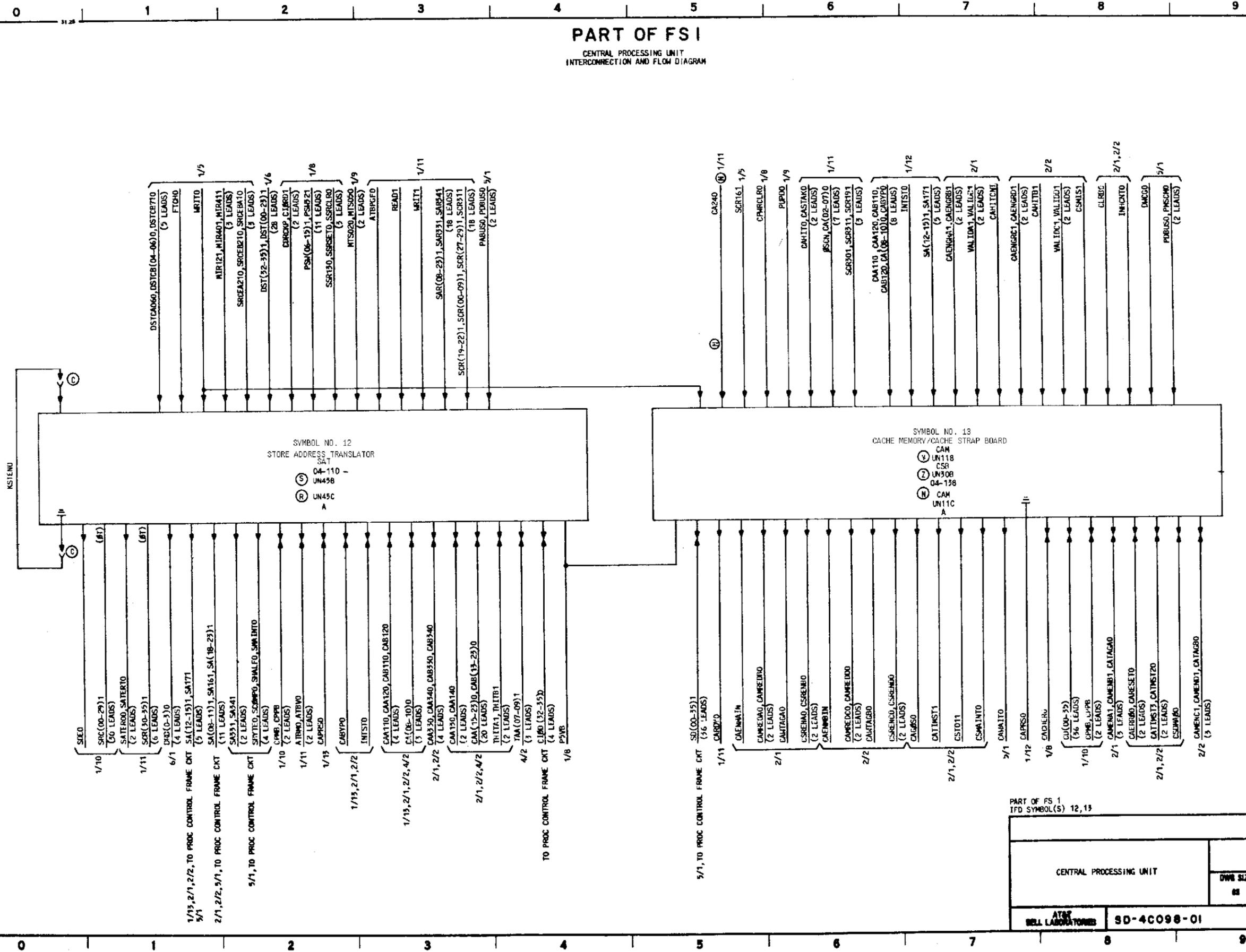
PART OF FS I
 CENTRAL PROCESSING UNIT
 INTERCONNECTION AND FLOW DIAGRAM



PART OF FS I
 IFD SYMBOL(S) 10

CENTRAL PROCESSING UNIT		DWB SIZE	ISSUE
		68	2A
BELL LABORATORIES	SD-4C098-01	B/PIAE	

PART OF FS I
CENTRAL PROCESSING UNIT
INTERCONNECTION AND FLOW DIAGRAM



PART OF FS I
IFD SYMBOL(S) 12, 13

CENTRAL PROCESSING UNIT	DWG SIZE	ISSUE
	8	9A
AT&T BELL LABORATORIES	SD-4C098-01	B#1AG

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 1
MICROSTORE

SYMBOL NO. 1 (CONT)
MICROSTORE

SYMBOL NO. 1 (CONT)
MICROSTORE

SYMBOL NO. 1 (CONT)
MICROSTORE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN28B)	A	(U)
MIC	04-036	MC4C077A1B(UN28B)	A	(T)
MIC	04-036	MC4C077A1C(UN28B)	A	(J)
MIC	04-036	MC4C150A1(UN28B)	A	(G)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN28B)	A	(U)
MIC	04-036	MC4C077A1B(UN28B)	A	(T)
MIC	04-036	MC4C077A1C(UN28B)	A	(J)
MIC	04-036	MC4C150A1(UN28B)	A	(G)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN28B)	A	(U)
MIC	04-036	MC4C077A1B(UN28B)	A	(T)
MIC	04-036	MC4C077A1C(UN28B)	A	(J)
MIC	04-036	MC4C150A1(UN28B)	A	(G)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN28B)	A	(U)
MIC	04-036	MC4C077A1B(UN28B)	A	(T)
MIC	04-036	MC4C077A1C(UN28B)	A	(J)
MIC	04-036	MC4C150A1(UN28B)	A	(G)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	I	MDRRI1	054			
	GRD	GRD	221			
BGBEN00	I		235		1/9	
BGBPP00	I		354		1/9	
BGBPP10	I		154		1/9	
BGBPP20	I		447		1/9	
BGBRW0	I		435		1/9	
BGBW001	IO		433		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB011	IO		434		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB021	IO		535		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB031	IO		437		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB041	IO		438		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB051	IO		340		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB061	IO		341		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB071	IO		442		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB081	IO		444		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB091	IO		345		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB101	IO		346		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB111	IO		348		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB121	IO		449		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB131	IO		450		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB141	IO		451		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB151	IO		353		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB161	IO		333		1/2, 1/3	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BGB171	IO		534		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB181	IO		536		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB191	IO		537		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB201	IO		538		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB211	IO		440		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB221	IO		441		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB231	IO		542		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB241	IO		543		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB251	IO		445		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB261	IO		546		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB271	IO		448		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB281	IO		549		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB291	IO		550		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB301	IO		452		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB311	IO		553		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB321	IO		454		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB331	IO		355		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	
BGB341	IO		554		1/2, 1/3 1/4, 1/7 3/1, 4/1 4/2	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BGB351	IO		555		1/2, 1/3 1/4, 1/6 3/1, 4/1 4/2	
CPHA	IO		238		1/2, 1/3 1/6, 1/7 3/1, 7/2 (P)1/3, (P)1/4 TO PROC CONTROL FRAME CKT	
CPPA	IO		040		1/2, 1/6 1/7, 3/1 1/5, 7/2 (P)1/3, (P)1/4 TO PROC CONTROL FRAME CKT	
GRD04036	GRD	GRD	003			
	GRD	GRD	004			
	GRD	GRD	006			
	GRD	GRD	016			
	GRD	GRD	017			
	GRD	GRD	022			
	GRD	GRD	033			
	GRD	GRD	037			
	GRD	GRD	038			
	GRD	GRD	041			
	GRD	GRD	044			
	GRD	GRD	048			
	GRD	GRD	049			
	GRD	GRD	052			
	GRD	GRD	102			
	GRD	GRD	105			
	GRD	GRD	107			
	GRD	GRD	108			
	GRD	GRD	109			
	GRD	GRD	110			
	GRD	GRD	111			
	GRD	GRD	114			
	GRD	GRD	116			
	GRD	GRD	117			
	GRD	GRD	119			
	GRD	GRD	120			
	GRD	GRD	121			
	GRD	GRD	134			
	GRD	GRD	135			
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	GRD	GRD	143			
	GRD	GRD	146			
	GRD	GRD	151			
	GRD	GRD	153			
	GRD	GRD	155			
	GRD	GRD	202			
	GRD	GRD	203			
	GRD	GRD	205			
	GRD	GRD	207			
	GRD	GRD	209			
	GRD	GRD	211			
	GRD	GRD	212			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	214			
	GRD	GRD	216			
	GRD	GRD	218			
	GRD	GRD	234			
	GRD	GRD	236			
	GRD	GRD	239			
	GRD	GRD	242			
	GRD	GRD	243			
	GRD	GRD	245			
	GRD	GRD	247			
	GRD	GRD	250			
	GRD	GRD	252			
	GRD	GRD	253			
	GRD	GRD	300			
	GRD	GRD	304			
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	GRD	GRD	418			
	GRD	GRD	419			
	GRD	GRD	424			
	GRD	GRD	436			
	GRD	GRD	439			
	GRD	GRD	443			
	GRD	GRD	446			
	GRD	GRD	453			
	GRD	GRD	455			
	GRD	GRD	456			
	GRD	GRD	502			

PART OF FS 1
SYMBOL(S) 1

SEE PROPRIETARY NOTICE ON COVER SHEET

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		02	8B
AT&T BELL LABORATORIES	SD-4C098-01	B#1CA	

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PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 1 (CONT)
MICROSTORE

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN288)	A	(U)
MIC	04-036	MC4C077A1B(UN288)	A	(T)
MIC	04-036	MC4C077A1C(UN288)	A	(J)
MIC	04-036	MC4C150A1(UN288)	A	(G)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN288)	A	(U)
MIC	04-036	MC4C077A1B(UN288)	A	(T)
MIC	04-036	MC4C077A1C(UN288)	A	(J)
MIC	04-036	MC4C150A1(UN288)	A	(G)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN288)	A	(U)
MIC	04-036	MC4C077A1B(UN288)	A	(T)
MIC	04-036	MC4C077A1C(UN288)	A	(J)
MIC	04-036	MC4C150A1(UN288)	A	(G)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN288)	A	(U)
MIC	04-036	MC4C077A1B(UN288)	A	(T)
MIC	04-036	MC4C077A1C(UN288)	A	(J)
MIC	04-036	MC4C150A1(UN288)	A	(G)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	503		
	GRD	GRD	506		
	GRD	GRD	510		
	GRD	GRD	512		
	GRD	GRD	515		
	GRD	GRD	517		
	GRD	GRD	520		
	GRD	GRD	522		
	GRD	GRD	524		
	GRD	GRD	533		
	GRD	GRD	540		
	GRD	GRD	541		
	GRD	GRD	545		
	GRD	GRD	548		
	GRD	GRD	551		
	GRD	GRD	552		
	GRD	GRD	556		
MCHMDR0	I	MCHMDR10	255	3/1	
MLTEN00	I		233	1/2	
MLTGBR0	I		149	1/2	
MLTPP00	I		352	1/2	
MLTPP10	I		350	1/2	
MLTPP20	I		051	1/2	
MLTRW0	I		432	1/2	
MSA001	I	MSA0011	501	1/5	
MSA011	I	MSA0111	402	1/5	
MSA021	I	MSA0211	403	1/5	
MSA031	I	MSA0311	505	1/5	
MSA041	I	MSA0411	406	1/5	
MSA051	I	MSA0511	408	1/5	
MSA061	I	MSA0611	509	1/5	
MSA071	I	MSA0711	410	1/5	
MSA081	I	MSA0811	511	1/5	
MSA091	I	MSA0911	413	1/5	
MSA101	I	MSA1011	415	1/5	
MSA111	I	MSA1111	516	1/5	
MSA121	I	MSA1211	518	1/5	
MSA131	I	MSA1311	519	1/5	
MSA141	I	MSA1411	420	1/5	
MSA151	I	MSA1511	421	1/5	
MSA161	IO		422	1/3, 1/4	
MSA171	IO		523	1/3, 1/4	
MSD000	OT	MSD0000	023	1/2, 1/3	
				1/4, 3/1	
				4/1, 1/5	
MSD001	OT	MSD0001	001	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD011	OT	MSD0101	309	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD021	OT	MSD0201	011	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD031	OT	MSD0301	315	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD041	OT	MSD0401	133	1/2, 1/3	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
				1/4	
				3/1, 4/1	
				1/5	
MSD051	OT	MSD0501	039	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD061	OT	MSD0601	045	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD071	OT	MSD0701	249	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD081	OT	MSD0801	002	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD091	OT	MSD0901	106	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD101	OT	MSD1001	012	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD111	OT	MSD1101	316	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD121	OT	MSD1201	034	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD131	OT	MSD1301	240	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD141	OT	MSD1401	046	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD151	OT	MSD1501	150	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD161	OT	MSD1601	103	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD171	OT	MSD1701	007	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD181	OT	MSD1801	213	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD191	OT	MSD1901	018	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD201	OT	MSD2001	035	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD211	OT	MSD2101	241	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD221	OT	MSD2201	047	1/2, 1/3	
				1/4	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
				3/1, 4/1	
				1/5	
MSD231	OT	MSD2301	050	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD241	OT	MSD2401	201	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD251	OT	MSD2501	008	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD261	OT	MSD2601	014	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD271	OT	MSD2701	217	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD281	OT	MSD2801	036	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD291	OT	MSD2901	042	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD301	OT	MSD3001	148	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD311	OT	MSD3101	251	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD321	OT	MSD3201	302	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD331	OT	MSD3301	309	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD341	OT	MSD3401	115	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD351	OT	MSD3501	318	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD361	OT	MSD3601	137	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD371	OT	MSD3701	043	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD381	OT	MSD3801	145	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD391	OT	MSD3901	152	1/2, 1/3	
				1/4	
				3/1, 4/1	
				1/5	
MSD401	OT	MSD4001	303	1/2, 1/3	
				1/4	
				3/1, 4/1	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
				1/5	
MSD411	OT	MSD4101	010	1	

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 1 (CONT)
MICROSTORE

SYMBOL NO. 2
MICROSTORE

SYMBOL NO. 2 (CONT)
MICROSTORE

SYMBOL NO. 2 (CONT)
MICROSTORE

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
MIC	04-036	MC4C077A1(UN28B)	A	(U)
MIC	04-036	MC4C077A1B(UN28B)	A	(T)
MIC	04-036	MC4C077A1C(UN28B)	A	(J)
MIC	04-036	MC4C150A1(UN28B)	A	(G)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
4KWMS	04-042	UN48B	A	(H)
16KWMS	04-042	UN248	A	(G)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
4KWMS	04-042	UN48B	A	(H)
16KWMS	04-042	UN248	A	(G)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
4KWMS	04-042	UN48B	A	(H)
16KWMS	04-042	UN248	A	(G)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					1/4	
					3/1, 4/1	
					1/5	
MSD561	OT	MSD5601	005		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSD571	OT	MSD5701	208		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSD581	OT	MSD5801	313		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSD591	OT	MSD5901	021		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSD601	OT	MSD6001	138		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSD611	OT	MSD6101	244		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSD621	OT	MSD6201	248		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSD631	OT	MSD6301	055		1/2, 1/3	
					1/4	
					3/1, 4/1	
MSPOS00	I	MSPOS010	122		1/5	
MS36R11	GRD	MSPOS110	022			
	I	MSPOS110	123			
	IO	POSRA11	319			
MS36R21	I	MSPOS210	222			
	IO	POSRB11	320			
MS36R31	I	MSPOS310	223			
PSVA	IO	POSRC11	321			
	PNR	VCC	024		1/1	
	PNR	VCC	032		1/1	
	PNR	VCC	056		1/1	
	PNR	VCC	100		1/1	
	PNR	VCC	124		1/1	
	PNR	VCC	132		1/1	
	PNR	VCC	156		1/1	
	PNR	VCC	200		1/1	
	PNR	VCC	224		1/1	
	PNR	VCC	232		1/1	
	PNR	VCC	256		1/1	
	PNR	VCC	324		1/1	
	PNR	VCC	356		1/1	
	PNR	VCC	000		1/2, 1/5	
					1/6, 1/7	
					3/1, 4/1	
					7/2	
					TO PROC CONTROL	
					FRAME CKT	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BGBEN00	I	BGBEN010	235		1/9	
BGBPP00	I	BGBPP010	354		1/9	
BGBPP10	I	BGBPP110	154		1/9	
BGBPP20	I	BGBPP210	447		1/9	
BGBR40	I	BGBR410	435		1/9	
BGB001	IO	BGB00B1	433		1/1	
BGB011	IO	BGB01B1	434		1/1	
BGB021	IO	BGB02B1	535		1/1	
BGB031	IO	BGB03B1	437		1/1	
BGB041	IO	BGB04B1	438		1/1	
BGB051	IO	BGB05B1	340		1/1	
BGB061	IO	BGB06B1	341		1/1	
BGB071	IO	BGB07B1	442		1/1	
BGB081	IO	BGB08B1	444		1/1	
BGB091	IO	BGB09B1	345		1/1	
BGB101	IO	BGB10B1	346		1/1	
BGB111	IO	BGB11B1	348		1/1	
BGB121	IO	BGB12B1	449		1/1	
BGB131	IO	BGB13B1	450		1/1	
BGB141	IO	BGB14B1	451		1/1	
BGB151	IO	BGB15B1	353		1/1	
BGB161	IO	BGB16B1	333		1/1	
BGB171	IO	BGB17B1	534		1/1	
BGB181	IO	BGB18B1	536		1/1	
BGB191	IO	BGB19B1	537		1/1	
BGB201	IO	BGB20B1	538		1/1	
BGB211	IO	BGB21B1	440		1/1	
BGB221	IO	BGB22B1	441		1/1	
BGB231	IO	BGB23B1	542		1/1	
BGB241	IO	BGB24B1	543		1/1	
BGB251	IO	BGB25B1	445		1/1	
BGB261	IO	BGB26B1	546		1/1	
BGB271	IO	BGB27B1	448		1/1	
BGB281	IO	BGB28B1	549		1/1	
BGB291	IO	BGB29B1	550		1/1	
BGB301	IO	BGB30B1	452		1/1	
BGB311	IO	BGB31B1	553		1/1	
BGB321	IO	BGB32B1	454		1/1	
BGB331	IO	BGB33B1	355		1/1	
BGB341	IO	BGB34B1	554		1/1	
BGB351	IO	BGB35B1	555		1/1	
CPMA	IO	PCPRA	238		1/1	
CPPA	IO	PCPRB	040		1/1	
GRD04042	GRD	GRD	003			
	GRD	GRD	004			
	GRD	GRD	006			
	GRD	GRD	016			
	GRD	GRD	017			
	GRD	GRD	022			
	GRD	GRD	033			
	GRD	GRD	037			
	GRD	GRD	038			
	GRD	GRD	041			
	GRD	GRD	044			
	GRD	GRD	048			
	GRD	GRD	049			
	GRD	GRD	052			
	GRD	GRD	102			
	GRD	GRD	105			
	GRD	GRD	107			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					108	
					109	
					110	
					111	
					114	
					116	
					117	
					119	
					120	
					121	
					134	
					135	
					136	
					139	
					140	
					141	
					143	
					146	
					151	
					153	
					155	
					202	
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					211	
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					214	
					216	
					218	
					221	
					234	
					236	
					239	
					242	
					243	
					245	
					247	
					250	
					252	
					253	
					300	
					304	
					307	
					308	
					312	
					314	
					317	
					322	
					332	
					335	
					337	
					339	
					342	
					344	
					347	
					349	
					351	
					401	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					404	
					405	
					409	
					411	
					414	
					416	
					418	
					419	
					424	
					436	
					439	
					443	
					446	
					453	
					455	
					456	
					502	
					503	
					506	
					510	
					512	
					515	
					517	
					520	
					522	
					524	
					533	
					540	
					541	
					545	

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 3 (CONT) MICROSTORE						SYMBOL NO. 3 (CONT) MICROSTORE						SYMBOL NO. 3 (CONT) MICROSTORE								
DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT				
4KPHS	04-050	UN28B(NOTE 306)	A	(H)		4KPHS	04-050	UN28B(NOTE 306)	A	(H)		4KPHS	04-050	UN28B(NOTE 306)	A	(H)				
4KPHS	04-050	UN48B(NOTE 306)	A	(X)		4KPHS	04-050	UN48B(NOTE 306)	A	(X)		4KPHS	04-050	UN48B(NOTE 306)	A	(X)				
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	292				MLTTP20	I		051		1/2		MSD391	OT	MSD3901	152		1/1	
	GRD	GRD	293				MLTRN0	I		432		1/2		MSD401	OT	MSD4001	303		1/1	
	GRD	GRD	300				MSA001	I	MSA0011	501		1/5		MSD411	OT	MSD4101	010		1/1	
	GRD	GRD	304				MSA011	I	MSA0111	402		1/5		MSD421	OT	MSD4201	311		1/1	
	GRD	GRD	307				MSA021	I	MSA0211	403		1/5		MSD431	OT	MSD4301	219		1/1	
	GRD	GRD	308				MSA031	I	MSA0311	505		1/5		MSD441	OT	MSD4401	336		1/1	
	GRD	GRD	312				MSA041	I	MSA0411	406		1/5		MSD451	OT	MSD4501	142		1/1	
	GRD	GRD	314				MSA051	I	MSA0511	408		1/5		MSD461	OT	MSD4601	246		1/1	
	GRD	GRD	317				MSA061	I	MSA0611	509		1/5		MSD471	OT	MSD4701	053		1/1	
	GRD	GRD	322				MSA071	I	MSA0711	410		1/5		MSD481	OT	MSD4801	104		1/1	
	GRD	GRD	332				MSA081	I	MSA0811	511		1/5		MSD491	OT	MSD4901	206		1/1	
	GRD	GRD	335				MSA091	I	MSA0911	413		1/5		MSD501	OT	MSD5001	112		1/1	
	GRD	GRD	337				MSA101	I	MSA1011	415		1/5		MSD511	OT	MSD5101	020		1/1	
	GRD	GRD	339				MSA111	I	MSA1111	516		1/5		MSD521	OT	MSD5201	237		1/1	
	GRD	GRD	342				MSA121	I	MSA1211	518		1/5		MSD531	OT	MSD5301	343		1/1	
	GRD	GRD	344				MSA131	I	MSA1311	519		1/5		MSD541	OT	MSD5401	147		1/1	
	GRD	GRD	347				MSA141	I	MSA1411	420		1/5		MSD551	OT	MSD5501	254		1/1	
	GRD	GRD	349				MSA151	I	MSA1511	421		1/5		MSD561	OT	MSD5601	005		1/1	
	GRD	GRD	351				MSA161	IO		422		1/1		MSD571	OT	MSD5701	208		1/1	
	GRD	GRD	401				MSA171	IO		523		1/1		MSD581	OT	MSD5801	313		1/1	
	GRD	GRD	404				MSD001	OT	MSD0001	001		1/1		MSD591	OT	MSD5901	021		1/1	
	GRD	GRD	405				MSD011	OT	MSD0101	305		1/1		MSD601	OT	MSD6001	138		1/1	
	GRD	GRD	409				MSD021	OT	MSD0201	011		1/1		MSD611	OT	MSD6101	244		1/1	
	GRD	GRD	411				MSD031	OT	MSD0301	315		1/1		MSD621	OT	MSD6201	248		1/1	
	GRD	GRD	414				MSD041	OT	MSD0401	133		1/1		MSD631	OT	MSD6301	055		1/1	
	GRD	GRD	416				MSD051	OT	MSD0501	039		1/1		MSPOS20	I	MSPOS210	222			
	GRD	GRD	418				MSD061	OT	MSD0601	045		1/1		MS50R11	I	MSPOS010	122			
	GRD	GRD	419				MSD071	OT	MSD0701	249		1/1		MS50R21	IO	MSPOS111	319			
	GRD	GRD	424				MSD081	OT	MSD0801	002		1/1		MS50R31	I	MSPOS110	123			
	GRD	GRD	436				MSD091	OT	MSD0901	106		1/1		MS50R31	IO	MSPOS110	320			
	GRD	GRD	439				MSD101	OT	MSD1001	012		1/1		MS50R31	I	MSPOS310	223			
	GRD	GRD	443				MSD111	OT	MSD1101	316		1/1		MS50R31	IO	MSPOS310	321			
	GRD	GRD	446				MSD121	OT	MSD1201	034		1/1		PSVAB	PWR	VCC	000			
	GRD	GRD	453				MSD131	OT	MSD1301	240		1/1		PSVAB	PWR	VCC	024			
	GRD	GRD	455				MSD141	OT	MSD1401	046		1/1		PSVAB	PWR	VCC	032			
	GRD	GRD	456				MSD151	OT	MSD1501	150		1/1		PSVAB	PWR	VCC	056			
	GRD	GRD	502				MSD161	OT	MSD1601	103		1/1		PSVAB	PWR	VCC	100			TO PROC CONTROL FRAME CKT
	GRD	GRD	503				MSD171	OT	MSD1701	307		1/1		PSVAB	PWR	VCC	124			
	GRD	GRD	506				MSD181	OT	MSD1801	213		1/1		PSVAB	PWR	VCC	132			
	GRD	GRD	510				MSD191	OT	MSD1901	018		1/1		PSVAB	PWR	VCC	156			
	GRD	GRD	512				MSD201	OT	MSD2001	035		1/1		PSVAB	PWR	VCC	200			
	GRD	GRD	515				MSD211	OT	MSD2101	241		1/1		PSVAB	PWR	VCC	224			
	GRD	GRD	517				MSD221	OT	MSD2201	047		1/1		PSVAB	PWR	VCC	232			
	GRD	GRD	520				MSD231	OT	MSD2301	050		1/1		PSVAB	PWR	VCC	256			
	GRD	GRD	522				MSD241	OT	MSD2401	201		1/1		PSVAB	PWR	VCC	324			
	GRD	GRD	524				MSD251	OT	MSD2501	008		1/1		PSVAB	PWR	VCC	356			
	GRD	GRD	533				MSD261	OT	MSD2601	014		1/1		PSVAB	PWR	VCC	356			
	GRD	GRD	540				MSD271	OT	MSD2701	217		1/1								
	GRD	GRD	541				MSD281	OT	MSD2801	036		1/1								
	GRD	GRD	545				MSD291	OT	MSD2901	042		1/1								
	GRD	GRD	548				MSD301	OT	MSD3001	148		1/1								
	GRD	GRD	551				MSD311	OT	MSD3101	251		1/1								
	GRD	GRD	552				MSD321	OT	MSD3201	302		1/1								
MCHMDR0	I	MCHMDR10	555		3/1		MSD331	OT	MSD3301	309		1/1								
MLTEN00	I		233		1/2		MSD341	OT	MSD3401	115		1/1								
MLTGBR0	I		149		1/2		MSD351	OT	MSD3501	318		1/1								
MLTTP00	I		352		1/2		MSD361	OT	MSD3601	137		1/1								
MLTTP10	I		350		1/2		MSD371	OT	MSD3701	043		1/1								
							MSD381	OT	MSD3801	145		1/1								

PART OF FS 1
SYMBOL(S) 3

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		a	118
AT&T BELL LABORATORIES	SD-4C098-01	B#1CE	

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 4 MICROSTORE						SYMBOL NO. 4 (CONT) MICROSTORE						SYMBOL NO. 4 (CONT) MICROSTORE						SYMBOL NO. 4 (CONT) MICROSTORE					
DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT	
4KPMS	04-058	UN288(NOTE 306)	A	(W)		4KPMS	04-058	UN288(NOTE 306)	A	(W)		4KPMS	04-058	UN288(NOTE 306)	A	(W)		4KPMS	04-058	UN288(NOTE 306)	A	(W)	
4KWMS	04-058	UN488(NOTE 306)	A	(X)		4KWMS	04-058	UN488(NOTE 306)	A	(X)		4KWMS	04-058	UN488(NOTE 306)	A	(X)		4KWMS	04-058	UN488(NOTE 306)	A	(X)	
FPU	04-058	UN140(NOTE 306)	A	(V)		FPU	04-058	UN140(NOTE 306)	A	(V)		FPU	04-058	UN140(NOTE 306)	A	(V)		FPU	04-058	UN140(NOTE 306)	A	(V)	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	
NC	I	MDRR11	054					GRD	GRD	022								MSA021	I	MSA0211	403		1/5	
BGBEN00	I		235					GRD	GRD	033								MSA031	I	MSA0311	505		1/5	
BGBEN400	I		523	(V)	(V)1/9			GRD	GRD	037								MSA041	I	MSA0411	406		1/5	
BGBPP00	I		354		1/9			GRD	GRD	038								MSA051	I	MSA0511	408		1/5	
BGBPP10	I		154		1/9			GRD	GRD	041								MSA061	I	MSA0611	509		1/5	
BGBPP20	I		447		1/9			GRD	GRD	044								MSA071	I	MSA0711	410		1/5	
BGBRN0	I		435		1/9			GRD	GRD	048								MSA081	I	MSA0811	511		1/5	
BGB001	IO		433		1/1			GRD	GRD	049								MSA091	I	MSA0911	413		1/5	
BGB011	IO		434		1/1			GRD	GRD	052								MSA101	I	MSA1011	415		1/5	
BGB021	IO		535		1/1			GRD	GRD	102								MSA111	I	MSA1111	516		1/5	
BGB031	IO		437		1/1			GRD	GRD	105								MSA121	I	MSA1211	518		1/5	
BGB041	IO		438		1/1			GRD	GRD	107								MSA131	I	MSA1311	519		1/5	
BGB051	IO		340		1/1			GRD	GRD	108								MSA141	I	MSA1411	420		1/5	
BGB061	IO		341		1/1			GRD	GRD	109								MSA151	I	MSA1511	421		1/5	
BGB071	IO		442		1/1			GRD	GRD	110								MSA161	IO		422		1/1	
BGB081	IO		444		1/1			GRD	GRD	111								MSA171	IO		523		1/1	
BGB091	IO		345		1/1			GRD	GRD	114								MSD00	GT	MSD000	023		1/1	
BGB101	IO		346		1/1			GRD	GRD	116								MSD001	OT	MSD0001	001		1/1	
BGB111	IO		348		1/1			GRD	GRD	117								MSD011	OT	MSD0101	305		1/1	
BGB121	IO		449		1/1			GRD	GRD	119								MSD021	OT	MSD0201	011		1/1	
BGB131	IO		450		1/1			GRD	GRD	120								MSD031	OT	MSD0301	315		1/1	
BGB141	IO		451		1/1			GRD	GRD	121								MSD041	OT	MSD0401	133		1/1	
BGB151	IO		353		1/1			GRD	GRD	134								MSD051	OT	MSD0501	039		1/1	
BGB161	IO		353		1/1			GRD	GRD	135								MSD061	OT	MSD0601	045		1/1	
BGB171	IO		534		1/1			GRD	GRD	136								MSD071	OT	MSD0701	249		1/1	
BGB181	IO		536		1/1			GRD	GRD	139								MSD081	OT	MSD0801	002		1/1	
BGB191	IO		537		1/1			GRD	GRD	140								MSD091	OT	MSD0901	106		1/1	
BGB201	IO		538		1/1			GRD	GRD	141								MSD101	OT	MSD1001	012		1/1	
BGB211	IO		440		1/1			GRD	GRD	143								MSD111	OT	MSD1101	316		1/1	
BGB221	IO		441		1/1			GRD	GRD	146								MSD121	OT	MSD1201	034		1/1	
BGB231	IO		542		1/1			GRD	GRD	151								MSD131	OT	MSD1301	240		1/1	
BGB241	IO		543		1/1			GRD	GRD	153								MSD141	OT	MSD1401	046		1/1	
BGB251	IO		445		1/1			GRD	GRD	155								MSD151	OT	MSD1501	150		1/1	
BGB261	IO		546		1/1			GRD	GRD	202								MSD161	OT	MSD1601	103		1/1	
BGB271	IO		448		1/1			GRD	GRD	203								MSD171	OT	MSD1701	007		1/1	
BGB281	IO		549		1/1			GRD	GRD	205								MSD181	OT	MSD1801	213		1/1	
BGB291	IO		550		1/1			GRD	GRD	207								MSD191	OT	MSD1901	018		1/1	
BGB301	IO		452		1/1			GRD	GRD	209								MSD201	OT	MSD2001	035		1/1	
BGB311	IO		553		1/1			GRD	GRD	211								MSD211	OT	MSD2101	241		1/1	
BGB321	IO		454		1/1			GRD	GRD	212								MSD221	OT	MSD2201	047		1/1	
BGB331	IO		355		1/1			GRD	GRD	214								MSD231	OT	MSD2301	050		1/1	
BGB341	IO		554		1/1			GRD	GRD	216								MSD241	OT	MSD2401	201		1/1	
BGB351	IO		555		1/1			GRD	GRD	218								MSD251	OT	MSD2501	008		1/1	
CPNA	IO		238	(P)	1/1			GRD	GRD	234								MSD261	OT	MSD2601	014		1/1	
CPHAA	IO		238		TO PROC CONTROL FRAME CKT	315		GRD	GRD	236								MSD271	OT	MSD2701	217		1/1	
CPMG	IO		238	(A)	7/3			GRD	GRD	239								MSD281	OT	MSD2801	036		1/1	
CPPA	IO		040	(D)	7/3	315		GRD	GRD	242								MSD291	OT	MSD2901	042		1/1	
CPPAA	IO		240	(P)	1/1	315		GRD	GRD	243								MSD301	OT	MSD3001	148		1/1	
CPPG	IO		040	(A)	7/3			GRD	GRD	245														
CPPG	IO		040	(D)	7/3	315		GRD	GRD	247														
DSTCA000	I		521	(V)	1/7			GRD	GRD	250														
GRD04058	GRD	GRD	003					GRD	GRD	252														
	GRD	GRD	004					GRD	GRD	253														
	GRD	GRD	006					GRD	GRD	304														
	GRD	GRD	016					GRD	GRD	307														
	GRD	GRD	017					GRD	GRD	308														

PART OF FS 1
SYMBOL(S) 4

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		2	11B
AT&T BELL LABORATORIES		SD-4C098-01	B#1CF

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 4 (CONT)
MICROSCOPE

SYMBOL NO. 5
MICROCONTROL

SYMBOL NO. 5 (CONT)
MICROCONTROL

SYMBOL NO. 5 (CONT)
MICROCONTROL

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
4KPHS	04-058	UN28B(NOTE 306)	A	(W)
4KPHS	04-058	UN43E(NOTE 306)	A	(X)
FPU	04-058	UN140(NOTE 306)	A	(V)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
MC	04-066	MC4C076A1(UN135)	A	(H)
MC	04-066	MC4C153A1(UN135)	A	(G)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
MC	04-066	MC4C076A1(UN135)	A	(H)
MC	04-066	MC4C153A1(UN135)	A	(G)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
MC	04-066	MC4C076A1(UN135)	A	(H)
MC	04-066	MC4C153A1(UN135)	A	(G)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
MSD311	OT	MSD3101	251		1/1	
MSD321	OT	MSD3201	302		1/1	
MSD331	OT	MSD3301	309		1/1	
MSD341	OT	MSD3401	115		1/1	
MSD351	OT	MSD3501	318		1/1	
MSD361	OT	MSD3601	137		1/1	
MSD371	OT	MSD3701	043		1/1	
MSD381	OT	MSD3801	145		1/1	
MSD391	OT	MSD3901	152		1/1	
MSD401	OT	MSD4001	303		1/1	
MSD411	OT	MSD4101	010		1/1	
MSD421	OT	MSD4201	311		1/1	
MSD431	OT	MSD4301	219		1/1	
MSD441	OT	MSD4401	336		1/1	
MSD451	OT	MSD4501	142		1/1	
MSD461	OT	MSD4601	246		1/1	
MSD471	OT	MSD4701	053		1/1	
MSD481	OT	MSD4801	104		1/1	
MSD491	OT	MSD4901	206		1/1	
MSD501	OT	MSD5001	112		1/1	
MSD511	OT	MSD5101	020		1/1	
MSD521	OT	MSD5201	237		1/1	
MSD531	OT	MSD5301	343		1/1	
MSD541	OT	MSD5401	147		1/1	
MSD551	OT	MSD5501	254		1/1	
MSD561	OT	MSD5601	005		1/1	
MSD571	OT	MSD5701	208		1/1	
MSD581	OT	MSD5801	313		1/1	
MSD591	OT	MSD5901	021		1/1	
MSD601	OT	MSD6001	138		1/1	
MSD611	OT	MSD6101	244		1/1	
MSD621	OT	MSD6201	248		1/1	
MSD631	OT	MSD6301	055		1/1	
MSPOS30	I	MSPOS310	223			
	GRD	GRD	221			
MS58R11	I	MSPOS010	122			
	IO	POSRA11	319			
	I	MSPOS110	123			
	IO	POSRB11	320			
MS58R31	I	MSPOS210	222			
	IO	POSRC11	321			
DSCN	I		417	(V)	1/11	
PSVAA	PWR	VCC	000			
	PWR	VCC	024			
	PWR	VCC	032			
	PWR	VCC	056			
	PWR	VCC	100			
	PWR	VCC	124			
	PWR	VCC	132			
	PWR	VCC	156			
	PWR	VCC	200			
	PWR	VCC	224			TO PROC CONTROL FRAME CKT
	PWR	VCC	232			
	PWR	VCC	256			
	PWR	VCC	324			
	PWR	VCC	356			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	0	DSTCB010	534			
	0	DSTCB700	540			
	0	DSTCB720	542			
	0	DSTCB730	543			
	0	DSTCB740	544			
	0	DSTCB750	546			
	0	DSTCB760	547			
	0	DSTCB770	548			
	I	PCPRB	139			
	I	VALUA210	412			
	I	VALUA310	413			
	I	VALUB210	512			
	I	VALUB310	513			
ALUCA0	0	ALUCA00	423		1/7, 1/8	
ALUCB0	0	ALUCB00	523		1/6	
ARC1	0	APC01	403		1/11	
BSA01	I	BSA011	343		1/10	
BSA11	I	BSA111	345		1/10	
BSA21	I	BSA211	346		1/10	
BSA31	I	BSA311	348		1/10	
CLKMLHEO	0	CLKEO0	505		1/8	
CPMA	IO	PCPRA	222		1/1	
CPMA	IO	PCPRB	139		1/1	
DSTCA000	0	DSTCA000	432	(V)	1/7	
DSTCA010	0	DSTCA010	433		1/9	
DSTCA020	0	DSTCA020	434		1/7	
DSTCA030	0	DSTCA030	435		1/7	
DSTCA040	0	DSTCA040	436		1/6, 1/8	
DSTCA050	0	DSTCA050	437		1/8, 1/9	
DSTCA060	0	DSTCA060	438		1/12	
DSTCA08N	0	DSTCA08N	448		1/11	
DSTCA09N	0	DSTCA09N	449		1/11	
DSTCA10N	0	DSTCA10N	450		1/11	
DSTCA11N	0	DSTCA11N	451		1/11	
DSTCA120	0	DSTCA120	452		1/10	
DSTCA130	0	DSTCA130	454		1/10	
DSTCA140	0	DSTCA140	455		1/10	
DSTCA700	0	DSTCA700	440		1/9	
DSTCA710	0	DSTCA710	441		1/8, 1/9	
DSTCA720	0	DSTCA720	442		1/9	
DSTCA730	0	DSTCA730	443		1/9	
DSTCA740	0	DSTCA740	444		1/9	
DSTCA750	0	DSTCA750	445		1/9	
DSTCA760	0	DSTCA760	446		1/8, 1/9	
DSTCA770	0	DSTCA770	447		1/8	
DSTCB000	0	DSTCB000	532		1/6	
DSTCB020	0	DSTCB020	535		1/6	
DSTCB030	0	DSTCB030	536		1/6	
DSTCB040	0	DSTCB040	537		1/7, 1/8	
DSTCB050	0	DSTCB050	538		1/12	
DSTCB060	0	DSTCB060	539		1/12	
DSTCB08N	0	DSTCB08N	549		1/11	
DSTCB09N	0	DSTCB09N	550		1/11	
DSTCB10N	0	DSTCB10N	551		1/11	
DSTCB11N	0	DSTCB11N	552		1/11	
DSTCB120	0	DSTCB120	553		1/10	
DSTCB130	0	DSTCB130	554		1/10	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
DSTCB140	0	DSTCB140	555		1/10	
DSTCB710	0	DSTCB710	541		1/12	
FTCH0	I	FTCH10	254		1/11	
FXTADR0	I	FXTI10	356		1/9	
GRD04066	GRD	GRD	004			
	GRD	GRD	016			
	GRD	GRD	038			
	GRD	GRD	044			
	GRD	GRD	049			
	GRD	GRD	109			
	GRD	GRD	119			
	GRD	GRD	153			
	GRD	GRD	205			
	GRD	GRD	209			
	GRD	GRD	214			
	GRD	GRD	218			
	GRD	GRD	221			
	GRD	GRD	236			
	GRD	GRD	239			
	GRD	GRD	243			
	GRD	GRD	247			
	GRD	GRD	252			
	GRD	GRD	300			
	GRD	GRD	304			
	GRD	GRD	307			
	GRD	GRD	312			
	GRD	GRD	317			
	GRD	GRD	322			
	GRD	GRD	332			
	GRD	GRD	335			
	GRD	GRD	339			
	GRD	GRD	344			
	GRD	GRD	347			
	GRD	GRD	351			
	GRD	GRD	401			
	GRD	GRD	405			
	GRD	GRD	409			
	GRD	GRD	419			
	GRD	GRD	424			
	GRD	GRD	439			
	GRD	GRD	453			
	GRD	GRD	456			
	GRD	GRD	502			
	GRD	GRD	510			
	GRD	GRD	515			
	GRD	GRD	524			
	GRD	GRD	533			
	GRD	GRD	545			
	GRD	GRD	556			
HM241	I	HM2411	333		1/10	
HM251	I	HM2511	334		1/10	
HM261	I	HM2611	336		1/10	
HM271	I	HM2711	337		1/10	
HM281	I	HM2811	338		1/10	
HM291	I	HM2911	340		1/10	
HM301	I	HM3011	341		1/10	
HM311	I	HM3111	342		1/10	
INTRPT0	I	INTRPT10	503		1/8	
MCHMAR0	I	MAD10	314		3/1	
MCPARE0	0	MPPE00	504		1/8	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
MINT00	I	MINT010	323		1/11	
MINT10	I	MINT110	324		1/11	
MIR081	IO	MIR0801	201		1/7, 1/10	
MIR091	IO	MIR0901	206		1/7, 1/10	
MIR101	IO	MIR1001	211		1/7, 1/10	
MIR111	IO	MIR1101	216		1/7, 1/10	
MIR121	IO	MIR1201	233		1/6, 1/7	
					1/8, 1/9	
					1/10, 1/12	
					1/6, 1/7	
MIR131	IO	MIR1301	238		1/8, 1/9	
					1/10	
MIR141	IO	MIR1401	244		1/6, 1/7	
					1/8, 1/9	
					1/10	
MIR151	IO	MIR1501	249		1/6, 1/7	
					1/9, 1/10	
MIR161	IO	MIR1601	202		1/6, 1/7	
MIR171	IO	MIR1701	207		1/6, 1/7	
MIR181	IO	MIR1801	212		1/6, 1/7	
MIR191	IO	MIR1901	217		1/6, 1/7	
MIR201	IO	MIR2001	234		1/6, 1/7	
MIR211	IO	MIR2101	240		1/6, 1/7	
MIR221	IO	MIR2201	245		1/6, 1/7	
MIR231	IO	MIR2301	250		1/6, 1/7	
MIR241	IO	MIR2401	203		1/7, 1/6	
MIR251	IO	MIR2501	208		1/7, 1/6	
MIR261	IO	MIR2601	213		1/7, 1/6	
MIR271	IO	MIR2701	219		1/6, 1/7	
MIR281	IO	MIR2801	235		1/6, 1/7	
MIR291	IO	MIR2901	241		1/6, 1/7	
MIR301	IO	MIR3001	246		1/6, 1/7	
MIR311	IO	MIR3101	251		1/6, 1/7	
MIR321	IO	MIR3201	204		1/6, 1/7	
MIR331	IO	MIR3301	210		1/6, 1/7	
					1/10	
MIR341	IO	MIR3401	215		1/6, 1/7	
					1/10	
MIR351	IO	MIR3501	220		1/6, 1/7	

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 5 (CONT)
MICROCONTROL

SYMBOL NO. 5 (CONT)
MICROCONTROL

SYMBOL NO. 5 (CONT)
MICROCONTROL

DESIG EOPT LOC CODE ELEM IDENT OPT
MC 04-066 MC4C076A1(UN135) A (H)
MC 04-066 MC4C153A1(UN135) A (G)

DESIG EOPT LOC CODE ELEM IDENT OPT
MC 04-066 MC4C076A1(UN135) A (H)
MC 04-066 MC4C153A1(UN135) A (G)

DESIG EOPT LOC CODE ELEM IDENT OPT
MC 04-066 MC4C076A1(UN135) A (H)
MC 04-066 MC4C153A1(UN135) A (G)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE		
MIR461	10	MIR4601	151		1/10 1/6, 1/7 1/10		MSD031	1	MSD0311	115		1/1		MSD631	1	MSD6311	055		1/1			
MIR471	10	MIR4701	154		1/6, 1/7		MSD041	1	MSD0411	033		1/1		MSD040	1	ALUT10	508		1/9			
MIR501	10	MIR5001	121		1/11		MSD051	1	MSD0511	039		1/1		NOG00	1	NOG010	110		1/11			
MIR511	10	MIR5101	122		1/11		MSD061	1	MSD0611	045		1/1		OSCN	0	OSCON	400	(V)	1/11			
MIR521	10	MIR5201	134		1/11		MSD071	1	MSD0711	149		1/1		PARC0	0	PARC00	507		1/9			
MIR531	10	MIR5301	141		1/11		MSD081	1	MSD0811	002		1/1		PPC1	0	PPC01	404		1/11			
MIR541	10	MIR5401	152		1/11		MSD091	1	MSD0911	006		1/1		PRVINST0	0	PRVLG000	506		1/9			
MIR551	10	MIR5501	155		1/11		MSD101	1	MSD1011	012		1/1		PRVLG01	1	PRVLG011	352		1/9			
MIR571	10	MIR5701	114		1/6		MSD111	1	MSD1111	116		1/1		PRVLG11	1	PRVLG111	353		1/9			
MIR581	10	MIR5801	120		1/6		MSD121	1	MSD1211	034		1/1		PRVLG21	1	PRVLG211	354		1/9			
MIR591	10	MIR5901	123		1/6		MSD131	1	MSD1311	040		1/1		PRVLG31	1	PRVLG311	355		1/9			
MIR601	10	MIR6001	135		1/6		MSD141	1	MSD1411	046		1/1		PSW161	1	FILL011	349		1/9			
MPC1	0	MPC01	402		1/9, 1/11		MSD151	1	MSD1511	150		1/1		PSW171	1	FILL111	350		1/9			
MPTC1	0	MPTC01	023		4/1		MSD161	1	MSD1611	003		1/1		P5VA		VCC	000		1/1			
MSA001	10	MSA0001	301		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD171	1	MSD1711	007		1/1				VCC	024		1/1			
MSA011	10	MSA0101	302		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD181	1	MSD1811	013		1/1				VCC	032		1/1			
MSA021	10	MSA0201	303		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD191	1	MSD1911	118		1/1				VCC	056		1/1			
MSA031	10	MSA0301	305		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD201	1	MSD2011	035		1/1				VCC	100		1/1			
MSA041	10	MSA0401	306		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD211	1	MSD2111	041		1/1				VCC	124		1/1			
MSA051	10	MSA0501	308		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD221	1	MSD2211	047		1/1				VCC	132		1/1			
MSA061	10	MSA0601	309		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD231	1	MSD2311	030		1/1				VCC	156		1/1			
MSA071	10	MSA0701	310		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD241	1	MSD2411	101		1/1				VCC	200		1/1			
MSA081	10	MSA0801	311		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD251	1	MSD2511	008		1/1				VCC	224		1/1			
MSA091	10	MSA0901	313		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD261	1	MSD2611	014		1/1				VCC	232		1/1			
MSA101	10	MSA1001	315		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD271	1	MSD2711	017		1/1				VCC	256		1/1			
MSA111	10	MSA1101	316		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD281	1	MSD2811	036		1/1		RESACK0	0	RESACK00	501		1/8			
MSA121	10	MSA1201	318		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD291	1	MSD2911	042		1/1		RESETO	1	RESETO10	500		1/8			
MSA131	10	MSA1301	319		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD301	1	MSD3011	048		1/1		SCR161	1	ACSE10	223		1/11			
MSA141	10	MSA1401	320		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD311	1	MSD3111	051		1/1		SRCEA10	0	SRCEA10	416		1/8			
MSA151	10	MSA1501	321		3/1, 4/1 1/1, 1/2 1/3, 1/4		MSD321	1	MSD3211	102		1/1		SRCEA30	0	SRCEA30	421		1/10			
MSDV0	1	MSDV10	022		1/1		MSD331	1	MSD3311	009		1/1		SRCEA810	0	SRCEA810	417		1/8			
MSD001	1	MSD0011	001		1/1		MSD341	1	MSD3411	015		1/1		SRCEA30	0	SRCEA30	422		1/10			
MSD011	1	MSD0111	005		1/1		MSD351	1	MSD3511	018		1/1		SRCEA000	0	SRCEA000	414		1/7			
MSD021	1	MSD0211	011		1/1		MSD361	1	MSD3611	037		1/1		SRCEA010	0	SRCEA010	415		1/7			
							MSD371	1	MSD3711	043		1/1		SRCEA200	0	SRCEA200	418		1/11			
							MSD381	1	MSD3811	145		1/1		SRCEA210	0	SRCEA210	420		1/11, 1/12			
							MSD391	1	MSD3911	052		1/1		SRCEA10	0	SRCEA10	517		1/9, 1/12			
							MSD401	1	MSD4011	103		1/1		SRCEA30	0	SRCEA30	521		1/10			
							MSD411	1	MSD4111	010		1/1		SRCEBB10	0	SRCEBB10	518		1/9			
							MSD421	1	MSD4211	111		1/1		SRCEBB30	0	SRCEBB30	522		1/10			
							MSD431	1	MSD4311	019		1/1		SRCEB000	0	SRCEB000	514		1/6			
							MSD441	1	MSD4411	136		1/1		SRCEB010	0	SRCEB010	516		1/6			
							MSD451	1	MSD4511	142		1/1		SRCEB200	0	SRCEB200	519		1/11			
							MSD461	1	MSD4611	146		1/1		SRCEB210	0	SRCEB210	520		1/11, 1/12			
							MSD471	1	MSD4711	053		1/1		STEP0	1	STEP1P	407		3/1			
							MSD481	1	MSD4811	104		1/1		STOPO	1	STOPI0	406		1/9			
							MSD491	1	MSD4911	106		1/1		VALU00	1	VALUA010	410		1/6			
							MSD501	1	MSD5011	112		1/1		VALUA10	1	VALUA110	411		1/10			
							MSD511	1	MSD5111	020		1/1		VALUB00	1	VALUB010	509		1/7			
							MSD521	1	MSD5211	137		1/1		VALUB10	1	VALUB110	511		1/10			
							MSD531	1	MSD5311	143		1/1		WAIT1	0	WAIT01	408		1/11			
							MSD541	1	MSD5411	147		1/1		WRIT0	1	WRIT10	255		1/11			
							MSD551	1	MSD5511	054		1/1										
							MSD561	1	MSD5611	105		1/1										
							MSD571	1	MSD5711	108		1/1										
							MSD581	1	MSD5811	113		1/1										
							MSD591	1	MSD5911	021		1/1										
							MSD601	1	MSD6011	138		1/1										
							MSD611	1	MSD6111	144		1/1										
							MSD621	1	MSD6211	148		1/1										

PART OF FS 1
SYMBOL(S) 5

SEE PROPRIETARY NOTICE ON COVER SHEET

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		2	8B
AT&T BELL LABORATORIES	SD-4C098-01	B#1CH	

PRINTED IN U. S. A. 01728/85

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 7 (CONT)
DATA MANIPULATION 1

SYMBOL NO. 7 (CONT)
DATA MANIPULATION 1

SYMBOL NO. 7 (CONT)
DATA MANIPULATION 1

SYMBOL NO. 8 (CONT)
SPECIAL REGISTER 0

SYMBOL NO. 7 (CONT) DATA MANIPULATION 1							SYMBOL NO. 7 (CONT) DATA MANIPULATION 1							SYMBOL NO. 7 (CONT) DATA MANIPULATION 1							SYMBOL NO. 8 (CONT) SPECIAL REGISTER 0									
DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			DESIG	EQPT LOC	CODE	ELEM IDENT	OPT				DESIG	EQPT LOC	CODE	ELEM IDENT	OPT				DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			
DMU1	04-078	UN23C	A				DMU1	04-078	UN23C	A					DMU1	04-078	UN23C	A					SREG0	04-084	UN2B	A				
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE			
	GRD	GRD	139				MIR261	I	MIR2611	014		1/5		SRC241	I	SRC2411	511		1/10		C100060	I	C1000600	505		TO PROC CONTROL FRAME CKT				
	GRD	GRD	151				MIR271	I	MIR2711	017		1/5		SRC251	I	SRC2511	313		1/10		C100070	I	C1000700	403		TO PROC CONTROL FRAME CKT				
	GRD	GRD	153				MIR281	I	MIR2811	036		1/5		SRC261	I	SRC2611	314		1/10		C100080	I	C1000800	507		TO PROC CONTROL FRAME CKT				
	GRD	GRD	205				MIR291	I	MIR2911	042		1/5		SRC271	I	SRC2711	315		1/10		C100090	I	C1000900	404		TO PROC CONTROL FRAME CKT				
	GRD	GRD	209				MIR301	I	MIR3011	048		1/5		SRC281	I	SRC2811	316		1/10		C100100	I	C1001000	407		TO PROC CONTROL FRAME CKT				
	GRD	GRD	214				MIR311	I	MIR3111	051		1/5		SRC291	I	SRC2911	318		1/10		C100110	I	C1001100	508		TO PROC CONTROL FRAME CKT				
	GRD	GRD	218				MIR321	I	MIR3211	103		1/5		SRC301	I	SRC3011	319		1/11		C100120	I	C1001200	506		TO PROC CONTROL FRAME CKT				
	GRD	GRD	221				MIR331	I	MIR3311	009		1/5		SRC311	I	SRC3111	320		1/11		C100130	I	C1001300	408		TO PROC CONTROL FRAME CKT				
	GRD	GRD	236				MIR341	I	MIR3411	015		1/5		VALUB00	O	VALUE00	108		1/5		C100140	I	C1001400	509		TO PROC CONTROL FRAME CKT				
	GRD	GRD	239				MIR351	I	MIR3511	018		1/5									C100150	I	C1001500	406		TO PROC CONTROL FRAME CKT				
	GRD	GRD	243				MIR361	I	MIR3611	037		1/5									C100160	I	C1001600	514		TO PROC CONTROL FRAME CKT				
	GRD	GRD	247				MIR371	I	MIR3711	043		1/5									C100170	I	C1001700	522		TO PROC CONTROL FRAME CKT				
	GRD	GRD	252				MIR381	I	MIR3811	102		1/5									C100180	I	C1001800	506		TO PROC CONTROL FRAME CKT				
	GRD	GRD	300				MIR391	I	MIR3911	145		1/5									C100190	I	C1001900	421		TO PROC CONTROL FRAME CKT				
	GRD	GRD	304				MIR401	I	SRCSEL11	112		1/5									C100200	I	C1002000	516		TO PROC CONTROL FRAME CKT				
	GRD	GRD	307				MIR441	I	DSTSL11	222		1/5									C100210	I	C1002100	333		1/9				
	GRD	GRD	312				MIR451	I	FLZSEL11	117		1/5									C100220	I	C1002200	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	317				MIR461	I	ADRSEL11	142		1/5									C100230	I	C1002300	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	322				MIR471	I	ALUEN11	146		1/5									C100240	I	C1002400	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	332				PSVA	I	VCC	000		1/1									C100250	I	C1002500	516		TO PROC CONTROL FRAME CKT				
	GRD	GRD	335					I	VCC	024		1/1									C100260	I	C1002600	518		TO PROC CONTROL FRAME CKT				
	GRD	GRD	339					I	VCC	032		1/1									C100270	I	C1002700	517		TO PROC CONTROL FRAME CKT				
	GRD	GRD	344					I	VCC	056		1/1									C100280	I	C1002800	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	347					I	VCC	100		1/1									C100290	I	C1002900	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	351					I	VCC	124		1/1									C100300	I	C1003000	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	401					I	VCC	132		1/1									C100310	I	C1003100	518		TO PROC CONTROL FRAME CKT				
	GRD	GRD	405					I	VCC	156		1/1									C100320	I	C1003200	518		TO PROC CONTROL FRAME CKT				
	GRD	GRD	409					I	VCC	200		1/1									C100330	I	C1003300	516		TO PROC CONTROL FRAME CKT				
	GRD	GRD	414					I	VCC	224		1/1									C100340	I	C1003400	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	419					I	VCC	232		1/1									C100350	I	C1003500	516		TO PROC CONTROL FRAME CKT				
	GRD	GRD	424					I	VCC	256		1/1									C100360	I	C1003600	517		TO PROC CONTROL FRAME CKT				
	GRD	GRD	439				R5B21	I	BITS2B11	138		1/10									C100370	I	C1003700	517		TO PROC CONTROL FRAME CKT				
	GRD	GRD	453				R5B31	I	BYS0B11	133		1/10									C100380	I	C1003800	517		TO PROC CONTROL FRAME CKT				
	GRD	GRD	456				R5B41	I	BYS1B11	134		1/10									C100390	I	C1003900	517		TO PROC CONTROL FRAME CKT				
	GRD	GRD	502				SRC000	I	SRCEN010	113		1/5									C100400	I	C1004000	517		TO PROC CONTROL FRAME CKT				
	GRD	GRD	510				SRC010	I	SRCEN110	115		1/5									C100410	I	C1004100	519		TO PROC CONTROL FRAME CKT				
	GRD	GRD	520				SRC001	I	SRC0011	201		1/10									C100420	I	C1004200	519		TO PROC CONTROL FRAME CKT				
	GRD	GRD	524				SRC011	I	SRC0111	202		1/10									C100430	I	C1004300	513		TO PROC CONTROL FRAME CKT				
	GRD	GRD	556				SRC021	I	SRC0211	203		1/10									C100440	I	C1004400	513		TO PROC CONTROL FRAME CKT				
HSRCKP	I	HSRCKP	152		1/9		SRC031	I	SRC0311	204		1/10									C100450	I	C1004500	513		TO PROC CONTROL FRAME CKT				
MASKB01	I	MSKB011	136		1/10		SRC041	I	SRC0411	206		1/10									C100460	I	C1004600	513		TO PROC CONTROL FRAME CKT				
MASKB11	I	MSKB111	137		1/10		SRC051	I	SRC0511	207		1/10									C100470	I	C1004700	513		TO PROC CONTROL FRAME CKT				
MIR081	I	MIR0811	002		1/5		SRC061	I	SRC0611	208		1/10									C100480	I	C1004800	513		TO PROC CONTROL FRAME CKT				
MIR091	I	MIR0911	006		1/5		SRC071	I	SRC0711	210		1/10									C100490	I	C1004900	513		TO PROC CONTROL FRAME CKT				
MIR101	I	MIR1011	012		1/5		SRC081	I	SRC0811	211		1/10									C100500	I	C1005000	513		TO PROC CONTROL FRAME CKT				
MIR111	I	MIR1111	116		1/5		SRC091	I	SRC0911	212		1/10									C100510	I	C1005100	513		TO PROC CONTROL FRAME CKT				
MIR121	I	MIR1211	034		1/5		SRC101	I	SRC1011	213		1/10									C100520	I	C1005200	513		TO PROC CONTROL FRAME CKT				
MIR131	I	MIR1311	040		1/5		SRC111	I	SRC1111	215		1/10									C100530	I	C1005300	513		TO PROC CONTROL FRAME CKT				
MIR141	I	MIR1411	046		1/5		SRC121	I	SRC1211	216		1/10									C100540	I	C1005400	513		TO PROC CONTROL FRAME CKT				
MIR151	I	MIR1511	150		1/5		SRC131	I	SRC1311	217		1/10									C100550	I	C1005500	513		TO PROC CONTROL FRAME CKT				
MIR161	I	MIR1611	005		1/5		SRC141	I	SRC1411	219		1/10									C100560	I	C1005600	513		TO PROC CONTROL FRAME CKT				
MIR171	I	MIR1711	007		1/5		SRC151	I	SRC1511	220		1/10									C100570	I	C1005700	513		TO PROC CONTROL FRAME CKT				
MIR181	I	MIR1811	013		1/5		SRC161	I	SRC1611	301		1/10									C100580	I	C1005800	513		TO PROC CONTROL FRAME CKT				
MIR191	I	MIR1911	118		1/5		SRC171	I	SRC1711	302		1/10									C100590	I	C1005900	513		TO PROC CONTROL FRAME CKT				
MIR201	I	MIR2011	035		1/5		SRC181	I	SRC1811	303		1/10									C100600	I	C1006000	501		TO PROC CONTROL FRAME CKT				
MIR211	I	MIR2111	041		1/5		SRC191	I	SRC1911	305		1/10									C100610	I	C1006100	500		TO PROC CONTROL FRAME CKT				
MIR221	I	MIR2211	047		1/5		SRC201	I	SRC2011	306		1/10									C100620	I	C1006200	402		TO PROC CONTROL FRAME CKT				
MIR231	I	MIR2311	050		1/5		SRC211	I	SRC2111	308		1/10									C100630	I	C1006300	503		TO PROC CONTROL FRAME CKT				
MIR241	I	MIR2411	101		1/5		SRC221	I	SRC2211	309		1/10									C100640	I	C1006400	400		TO PROC CONTROL FRAME CKT				
MIR251	I	MIR2511	008		1/5		SRC231	I	SRC2311	310		1/10									C100650	I	C1006500	504		TO PROC CONTROL FRAME CKT				

SYMBOL NO. 8
SPECIAL REGISTER 0

PART OF FS 1
SYMBOL(S) 7 & 8

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		2	138
BELL LABORATORIES		SD-4C098-	

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 8 (CONT) SPECIAL REGISTER 0							SYMBOL NO. 9 (CONT) SPECIAL REGISTER 1							SYMBOL NO. 9 (CONT) SPECIAL REGISTER 1							SYMBOL NO. 9 (CONT) SPECIAL REGISTER 1											
DESIG	EOPT	CODE	ELEM	OPT			DESIG	EOPT	CODE	ELEM	OPT				DESIG	EOPT	CODE	ELEM	OPT					DESIG	EOPT	CODE	ELEM	OPT				
SREG0	04-084	UN2B	A				SREG1	04-092	UN3B	A	(L)				SREG1	04-092	UN3B	A	(L)				SREG1	04-092	UN3B	A	(L)					
SREG1	04-092	UN246(NOTE 310)	A	(K)			SREG1	04-092	UN3C	A	(K)				SREG1	04-092	UN246(NOTE 310)	A	(K)				SREG1	04-092	UN246(NOTE 310)	A	(K)					
SREG1	04-092	UN3C	A	(E)											SREG1	04-092	UN3C	A	(E)				SREG1	04-092	UN3C	A	(E)					
LEAD	FUNC	TERM.	TERM.	TERM.	DESTINATION	NOTE	LEAD	FUNC	TERM.	TERM.	TERM.	DESTINATION	NOTE	LEAD	FUNC	TERM.	TERM.	TERM.	DESTINATION	NOTE	LEAD	FUNC	TERM.	TERM.	TERM.	DESTINATION	NOTE					
SSRCLRO	I	SSRCLR10	544		1/9		BGBPP10	0	PP1700	102		1/1, 1/2 1/3, 1/4 3/1, 4/1 4/2		C100100	0	C1003080	513		TO PROC CONTROL FRAME CKT			GRD	GRD			153						
SSRSET0	I	SSRSET10	543		1/9									C100310	0	C1003180	413		TO PROC CONTROL FRAME CKT			GRD	GRD			205						
SSR0210	I	SSR0210	338				BGBPP20	0	PP1800	103		1/1, 1/2 1/3, 1/4 3/1, 4/1 4/2		C10MRO	I	C10M10	518		TO PROC CONTROL FRAME CKT			GRD	GRD			214						
SSR130	GRD	SSR1300	339		1/12		BGBPP30	0	PP1900	105		3/1, 4/2		C10RDY0	I	C10RDY10	519		TO PROC CONTROL FRAME CKT			GRD	GRD			218						
SSR180	I	SSR1810	536		1/9		BGBPP40	0	PP2000	106		3/1		C10RD1	IO	C10RD01	014		1/8, 1/12			GRD	GRD			221						
SSR230	I	SSR2310	538		1/9		BGBRS00	0	HSR1700	202		3/1, 4/2		C10RD00	I	CLER0010	013		1/8			GRD	GRD			223						
SSR290	I	SSR2910	454		1/9		BGBRS10	0	HSR1800	203		4/2		CLRERO	IO	CLRER00	113		3/1			GRD	GRD			236						
SSR290	I	SSR2910	454		1/9		BGBRS20	0	HSR1900	204		4/2		CPMB	OT	PCPRA	039		1/10			GRD	GRD			239						
STIME00	I	MYS1010	018		1/11		BGBRW0	IO	HSR1600	201		4/1, 1/1 1/2, 1/3 1/4, 3/1 4/2		CPMR	OT	PCPRB	037		1/10			GRD	GRD			243						
STIME10	I	DST010	017		1/11		BGRMD1	0	BGRMD01	254		1/6, 1/7		DSTCA010	I	BGCKIP	053		1/5			GRD	GRD			247						
STPCLRO	OT	STPCLR00	007		3/1		BTCCLRO	IO	BTCCLR10	253		1/8		DSTCA040	I	PSWCKIP			1/5			GRD	GRD			252						
STPSET0	I	STPSET10	418		4/1, 1/9 3/1		CARCKP	0	CARCKP	447		1/8		DSTCA050	I	PPRCKIP			1/5			GRD	GRD			300						
STPSW0	IO	STPSW00	102		3/1, 4/2		CDRCKP	IO	CDRCKP	015		1/8, 1/12		DSTCA700	I	CDRST10	020		1/5			GRD	GRD			304						
T10US1	I	T10US11	548		1/9		CIOAK000	I	CIOAK010	500		TO PROC CONTROL FRAME CKT		DSTCA710	I	IMCKIP	048		1/5			GRD	GRD			307						
UTLINT00	I	SIS0810	441		4/2		CIOAK100	I	CIOAK110	501		TO PROC CONTROL FRAME CKT		DSTCA720	I	ISCKIP	051		1/5			GRD	GRD			312						
							CIOAK200	I	CIOAK210	402		TO PROC CONTROL FRAME CKT		DSTCA750	I	ERCKIP	042		1/5			GRD	GRD			317						
							CIOAK300	I	CIOAK310	503		TO PROC CONTROL FRAME CKT		DSTCA760	I	RTCLD10	052		1/5			GRD	GRD			322						
							CIOAK400	I	CIOAK410	403		TO PROC CONTROL FRAME CKT		DST161	I	DST1611	333		1/7			GRD	GRD			332						
							CIOAK500	I	CIOAK510	504		TO PROC CONTROL FRAME CKT		DST171	I	DST1711	334		1/7			GRD	GRD			335						
							CIOASW0	I	CIOASW10	522		TO PROC CONTROL FRAME CKT		DST181	I	DST1811	336		1/7			GRD	GRD			339						
							CIOCERO	I	ER1610	521		TO PROC CONTROL FRAME CKT		DST191	I	DST1911	337		1/7			GRD	GRD			344						
							C10D160	0	C10D1680	404		TO PROC CONTROL FRAME CKT		DST201	I	DST2011	338		1/7			GRD	GRD			347						
							C10D170	0	C10D1780	505		TO PROC CONTROL FRAME CKT		DST211	I	DST2111	340		1/7			GRD	GRD			351						
							C10D180	0	C10D1880	406		TO PROC CONTROL FRAME CKT		DST221	I	DST2211	341		1/7			GRD	GRD			401						
							C10D190	0	C10D1980	506		TO PROC CONTROL FRAME CKT		DST231	I	DST2311	342		1/7			GRD	GRD			405						
							C10D200	0	C10D2080	407		TO PROC CONTROL FRAME CKT		DST241	I	DST2411	343		1/7			GRD	GRD			409						
							C10D210	0	C10D2180	507		TO PROC CONTROL FRAME CKT		DST251	I	DST2511	345		1/7			GRD	GRD			414						
							C10D220	0	C10D2280	408		TO PROC CONTROL FRAME CKT		DST261	I	DST2611	346		1/7			GRD	GRD			419						
							C10D230	0	C10D2380	508		TO PROC CONTROL FRAME CKT		DST271	I	DST2711	348		1/7			GRD	GRD			424						
							C10D240	0	C10D2480	509		TO PROC CONTROL FRAME CKT		DST281	I	DST2811	349		1/7			GRD	GRD			436						
							C10D250	0	C10D2580	410		TO PROC CONTROL FRAME CKT		DST291	I	DST2911	350		1/7			GRD	GRD			439						
							C10D260	0	C10D2680	511		TO PROC CONTROL FRAME CKT		DST301	I	DST3011	352		1/7			GRD	GRD			456						
							C10D270	0	C10D2780	411		TO PROC CONTROL FRAME CKT		DST311	I	DST3111	353		1/7			GRD	GRD			502						
							C10D280	0	C10D2880	512		TO PROC CONTROL FRAME CKT		ENINTCP	0	ENINTCOP	523		1/11			GRD	GRD			510						
							C10D290	0	C10D2980	412		TO PROC CONTROL FRAME CKT		ERCLRCK1	IO	ERCLRC01	449		1/8			GRD	GRD			515						
														ER000	0	ER0000	242		1/8			GRD	GRD			520						
														FXTADR0	0	HSR3100	241		1/5			GRD	GRD			524						
														GRD04092	GRD	GRD	004					GRD	GRD			551						
															GRD	GRD	016					GRD	GRD			556						
															GRD	GRD	038					GRD	GRD			1/8						
															GRD	GRD	044					GRD	GRD			1/8						
															GRD	GRD	049					GRD	GRD			1/8						
															GRD	GRD	109					GRD	GRD			1/8						
															GRD	GRD	114					GRD	GRD			1/8						
															GRD	GRD	119					GRD	GRD			1/8						
															GRD	GRD	134					GRD	GRD			1/8						
															GRD	GRD	139					GRD	GRD			1/8						
															GRD	GRD	141					GRD	GRD			1/8						
															GRD	GRD	148					GRD	GRD			1/8						

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SYMBOL(S) 8 9

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		2	13B
AT&T BELL LABORATORIES		SD-4C098-01	B#1CN

PRINTED IN U. S. A. 03.21/85

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 9 (CONT)
SPECIAL REGISTER 1

SYMBOL NO. 9 (CONT)
SPECIAL REGISTER 1

SYMBOL NO. 9 (CONT)
SPECIAL REGISTER 1

SYMBOL NO. 10 (CONT)
STORE DATA CONTROL

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SREG1	04-092	UN3B	A	(L)
SREG1	04-092	UN246(NOTE 310)	A	(K)
SREG1	04-092	UN3C	A	(E)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SREG1	04-092	UN3B	A	(L)
SREG1	04-092	UN246(NOTE 310)	A	(K)
SREG1	04-092	UN3C	A	(E)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SREG1	04-092	UN3B	A	(L)
SREG1	04-092	UN246(NOTE 310)	A	(K)
SREG1	04-092	UN3C	A	(E)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDC	04-098	UN6B	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
HSR061	10	HSR0601	434		1/8	
HSR071	0	HSR0701	435		1/8	
INTPA1	0	INTPA1	440		1/8	
INTPB1	0	INTPB01	441		1/8	
TOPPER1	1	TOPPER11	216		1/8	
ISCLRO	10	ISCLRO	446		1/8	
ISSET0	10	ISSET00	445		1/8	
ITCLR1	10	ITCLR01	251		1/8	
ITMS1	0	ITMS01	249		1/8	
MCHINT0	1	MCHINT10	255		1/8	
MDISA0	1	MDISA10	115		3/1	
MDISB0	1	MDISB10	116		3/1	
MIRERDRN	1	MIRERDRN	437		1/8	
MIR121	1	MIR1211	054		1/5	
MIR131	1	MIR1311	040		1/5	
MIR141	1	MIR1411	046		1/5	
MIR151	1	MIR1511	050		1/5	
MIR401	1	MIR4011	104		1/5	
MIR411	1	MIR4111	010		1/5	
MLTBR0	(L) 10	MLTBR10	154		1/2	
MHINT0	(L) 10	MHINT00	552		1/8, (E) 5/1	
MPC1	1	MPC11	400		1/5	
MTCEN00	1	MTCEN010	021		3/1	
MTCEN10	1	MTCEN110	022		3/1	
MTCSL01	1	MTCSL011	121		3/1	
MTCSL11	1	MTCSL111	122		3/1	
MTC161	0	MTC1601	153		4/1, 3/1	
MTC171	0	MTC1701	135		4/1, 3/1	
MTC181	0	MTC1801	136		4/1, 3/1	
MTC191	0	MTC1901	137		4/1, 3/1	
MTC201	0	MTC2001	138		4/1, 3/1	
MTC211	0	MTC2101	140		4/1, 3/1	
MTC221	0	MTC2201	142		4/1, 3/1	
MTC231	0	MTC2301	143		4/1, 3/1	
MTC241	0	MTC2401	144		4/1, 3/1	
MTC251	0	MTC2501	145		4/1, 3/1	
MTC261	0	MTC2601	146		4/1, 3/1	
MTC271	0	MTC2701	147		4/1, 3/1	
MTC281	0	MTC2801	149		4/1, 3/1	
MTC291	0	MTC2901	150		4/1, 3/1	
MTC301	0	MTC3001	151		4/1, 3/1	
MTC311	0	MTC3101	152		4/1, 3/1	
MTS020	0	MTS0200	233		1/12	
MTS030	0	MTS0300	234		1/6	
MTS040	0	MTS0400	235		1/5	
MTS050	0	MTS0500	237		1/12	
MTS060	0	MTS0600	238		5/1	
MTS070	0	MTS0700	240		6/1	
MYSERB0	1	MYSERB10	215		1/11, 2/1 2/2, 5/1 TO PROC CONTROL FRAME CKT	
MYSERD0	1	ER2010	245		5/1 TO PROC CONTROL FRAME CKT	
OTSERB0	1	OTSERB10	213		5/1	
PARCKC0	1	PARCKC10	211		1/6	
PARCO	1	PRCKIP	045		1/5	
PB00	1	SSR2410	454		6/1	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
PB01	0	PB001	553		1/8	
PB10	1	SSR2510	544		6/1	
PB11	0	PB101	554		1/8	
PB20	1	SSR2610	546		6/1	
PB21	0	PB201	555		1/8	
PB30	1	SSR2710	547		6/1	
PDISA0	1	PDISA10	117		5/1	
PDISB0	1	PDISB10	118		5/1	
PEDC0	1	PEDC10	548		1/8	
PGEFLT0	1	PGEFLT10	421		1/11	
PGSA1	0	PGSA01	550		1/8	
PGSB1	0	PGSB01	549		1/8	
PHSCMA0	1	PHSCM10	514		1/11	
PONL0	0	PONL00	420		1/8, 3/1	
POSCHP	1	POSCH10	415		5/1, 6/1	
PPR2600	0	PP2600	111	(E)	(E) 5/1	
PP220	0	PP2200	108		6/1	
PP230	0	PP2300	110		6/1	
PP250	10	PP2500	112		1/8, 5/1	
PREB11	1	PREB1111	011		1/6	
PRER001	1	PRER0011	212		1/6	
PRER191	1	PRER1911	120		1/6	
PRVINST0	1	PRVINST10	017		1/5	
PRVLG01	0	PSH2001	006		1/5	
PRVLG11	0	PSH2101	007		1/5	
PRVLG21	0	PSH2201	008		1/5	
PRVLG31	0	PSH2301	009		1/5	
PSW161	0	PSW1601	001		1/5	
PSW171	0	PSW1701	002		1/5	
PSW191	0	PSW1901	005		1/8	
PUPD0	0	PUPD00	418		1/11, 1/13	
PWRK1	1	SSR3110	356		7/1	
PSV8	PWR	VCC	000		1/8	
PWR VCC		024			1/8	
PWR VCC		032			1/8	
PWR VCC		056			1/8	
PWR VCC		100			1/8	
PWR VCC		124			1/8	
PWR VCC		132			1/8	
PWR VCC		156			1/8	
PWR VCC		200			1/8	
PWR VCC		224			1/8	
PWR VCC		232			1/8	
PWR VCC		256			1/8	
RIPCK0	1	RIPCK10	246		1/8	
RTCMS1	10	RTCMS01	250		1/8	
SATVIL0	1	SATVIL10	217		1/11	
SFTER0	0	SFTER00	019		1/8	
SIS000	0	SIS0000	417		5/1	
SIS000	0	SIS0000	416		5/1	
SRCBA10	1	SRCBA210	025		1/5	
SRCBA10	1	SRCBA310	123		1/5	
SRC161	10	SRC1601	301		1/10	
SRC171	10	SRC1701	302		1/10	
SRC181	10	SRC1801	303		1/10	
SRC191	10	SRC1901	305		1/10	
SRC201	10	SRC2001	306		1/10	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SRC211	10	SRC2101	308		1/10	
SRC221	10	SRC2201	309		1/10	
SRC231	10	SRC2301	310		1/10	
SRC241	10	SRC2401	311		1/10	
SRC251	10	SRC2501	313		1/10	
SRC261	10	SRC2601	314		1/10	
SRC271	10	SRC2701	315		1/10	
SRC281	10	SRC2801	316		1/10	
SRC291	10	SRC2901	318		1/10	
SRC301	10	SRC3001	319		1/11	
SRC311	10	SRC3101	320		1/11	
SRC321	1	SRC3211	422		1/11	
SRC331	1	SRC3311	423		1/11	
SRC341	1	SRC3411	321		1/11	
SRC351	1	SRC3511	323		1/11	
SSH10	0	SSR1700	450		6/1	
SSRCLR0	10	SSRCLR00	444		1/8, 1/12	
SSRSET0	10	SSRSET00	443		1/8, 1/12	
SSR180	0	SSR1800	451		1/8	
SSR230	10	SSR2300	458		1/8	
SSR290	10	SSR2900	354		1/8	
STOP0	0	STOP00	324		4/1, 1/5	
STPLR0	1	STPLR10	220		3/1	
STPIND0	0	STPIND00	452		6/1	
STPSET0	10	STPSET10	219		3/1	
T10US1	0	T10US01	248		1/8	
WIDTH1	0	PSW1801	003		1/11	

SYMBOL NO. 10
STORE DATA CONTROL

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SDC	04-098	UN6B	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
ASA01	0	ASA001	105		1/6	
ASA11	0	ASA101	106		1/6	
ASA21	0	ASA201	107		1/6	
ASA31	0	ASA301	108		1/6	
ASB01	0	ASB001	138		1/7	
ASB11	0	ASB101	140		1/7	
ASB21	0	ASB201	142		1/7	
ASB31	0	ASB301	143		1/7	
BGR001	1	BGR0011	149		1/7	
BGR011	1	BGR0111	150		1/7	
BGR021	1	BGR0211	152		1/7	
BGR031	1	BGR0311	154		1/7	
BGR041	1	BGR0411	155		1/7	
BSA01	0	BSA001	101		1/5, 1/6	
BSA11	0	BSA101	102		1/5, 1/6	
BSA21	0	BSA201	103		1/5, 1/6	
BSA31	0	BSA301	104		1/5, 1/6	
BSB01	0	BSB001	133		1/7	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BSB11	0	BSB101	134		1/7	
BSB21	0	BSB201	136		1/7	
BSB31	0	BSB301	137		1/7	
CD001	10	CD00B1	401		1/13, 2/1 2/2, 4/2	
CD011	10	CD01B1	402		1/13, 2/1 2/2, 4/2	
CD021	10	CD02B1	403		1/13, 2/1 2/2, 4/2	
CD031	10	CD03B1	404		1/13,	

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 10 (CONT)
STORE DATA CONTROL

SYMBOL NO. 10 (CONT)
STORE DATA CONTROL

SYMBOL NO. 11 (CONT)
STORE ADDRESS CONTROLLER

SYMBOL NO. 11 (CONT)
STORE ADDRESS CONTROLLER

DESIG EOPT LOC CODE ELEM IDENT OPT
SOC 04-098 UN68 A

DESIG EOPT LOC CODE ELEM IDENT OPT
SOC 04-098 UN68 A

DESIG EOPT LOC CODE ELEM IDENT OPT
SAC 04-104 UN43C(NOTE 309) A (F,M)
SAC 04-104 UN43D A (E,N)

DESIG EOPT LOC CODE ELEM IDENT OPT
SAC 04-104 UN43C(NOTE 309) A (F,M)
SAC 04-104 UN43D A (E,N)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
SRC091	OT	SRC0901	212	1/6 1/11, 1/12 1/7, 1/8	
SRC101	OT	SRC1001	213	1/11, 1/12 1/7, 1/8 1/6	
SRC111	OT	SRC1101	215	1/11, 1/12 1/7, 1/8 1/6	
SRC121	OT	SRC1201	216	1/11, 1/12 1/7, 1/8 1/6	
SRC131	OT	SRC1301	217	1/11, 1/12 1/7, 1/8 1/6	
SRC141	OT	SRC1401	219	1/11, 1/12 1/7, 1/8 1/6	
SRC151	OT	SRC1501	220	1/11, 1/12 1/7, 1/8 1/6	
SRC161	OT	SRC1601	301	1/11, 1/12 1/7, 1/9 1/6	
SRC171	OT	SRC1701	302	1/11, 1/12 1/7, 1/9 1/6	
SRC181	OT	SRC1801	303	1/11, 1/12 1/7, 1/9 1/6	
SRC191	OT	SRC1901	305	1/11, 1/12 1/7, 1/9 1/6	
SRC201	OT	SRC2001	306	1/11, 1/12 1/7, 1/9 1/6	
SRC211	OT	SRC2101	308	1/11, 1/12 1/7, 1/9 1/6	
SRC221	OT	SRC2201	309	1/11, 1/12 1/7, 1/9 1/6	
SRC231	OT	SRC2301	310	1/11, 1/12 1/7, 1/9 1/6	
SRC241	OT	SRC2401	311	1/11, 1/12 1/7, 1/9 1/6	
SRC251	OT	SRC2501	313	1/11, 1/12 1/7, 1/9 1/6	
SRC261	OT	SRC2601	314	1/11, 1/12 1/7, 1/9 1/6	
SRC271	OT	SRC2701	315	1/11, 1/12 1/7, 1/9 1/6	
SRC281	OT	SRC2801	316	1/11, 1/12 1/7, 1/9 1/6	
SRC291	OT	SRC2901	318	1/11, 1/12 1/7, 1/9 1/6	
SRC301	IO	SRC3001	319	1/11	
SRC311	IO	SRC3101	320	1/11	
SRC321	IO	SRC3201	222	1/11	
SRC331	IO	SRC3301	223	1/11	
SRC341	IO	SRC3401	321	1/11	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
SRC351	IO	SRC3501	323	1/11	
VALUA10	O	VALUA00	118	1/5	
VALUB10	IO	VALUB00	120	1/5	

SYMBOL NO. 11
STORE ADDRESS CONTROLLER

DESIG EOPT LOC CODE ELEM IDENT OPT
SAC 04-104 UN43C(NOTE 309) A (F,M)
SAC 04-104 UN43D A (E,N)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	I	SCR1001	112		
	I	SCR1201	115		
	I	SCR1201	115		
	I	SCR1301	116		
	I	SCR1401	118		
	I	SCR1501	120		
	I	SCR2401	144		
	I	SCR2501	145		
	I	SCR2601	146		
ADREQ	O	ADREQ0	013	1/9	
ARC1	I	ARC11	403	1/5	
ATBMO	I	ATBMO1	420	1/12	
ATBPGFO	I	ATBPGFO	417	1/12	
ATBVO	I	ATBVO10	418	1/12	
BRANCHO	O	BRANCHOO	123	4/2	
BYPRHTO	O	BYTEOO	121	1/6	
CAHITO	I	CAHITIO	413	2/1	
CARDYO	I	CARDYIO	415	1/13	
CASTAKO	IO	SCR2301	143	1/13, 2/1 2/2	
CA000	O	CA0000	533	1/6, 2/1 2/2, 4/2	
CA010	O	CA0100	534	1/6, 2/1 2/2, 4/2	
CA020	O	CA0200	535	1/13, 2/1 2/2, 4/2	
CA030	O	CA0300	537	1/13, 2/1 2/2, 4/2	
CA040	O	CA0400	538	1/13, 2/1 2/2, 4/2	
CA050	O	CA0500	540	1/13, 2/1 2/2, 4/2	
CA060	O	CA0600	541	1/13, 2/1 2/2, 4/2	
CA070	O	CA0700	542	1/13, 2/1 2/2, 4/2	
CA240	O	CA2400	005	(N) 1/13, (N) 2/1 (N) 2/2	
CA320	O	CA3200	543	2/1, 2/2 (E) 5/1	
COPROCO	IO	SCR1301	116	(E) 5/1	
CPMB	IO	PCPRA	324	1/10	
CPPB	IO	PCPRB	039	1/10	
DCREO	O	DCREOO	014	1/8	
DSTCA08N	I	DSTCA08N	041	1/5	
DSTCA09N	I	DSTCA09N	045	1/5	
DSTCA10N	I	DSTCA10N	048	1/5	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
DSTCA11N	I	DSTCA11N	053	1/5	
DSTCB08N	I	DSTCB08N	042	1/5	
DSTCB09N	I	DSTCB09N	046	1/5	
DSTCB10N	I	DSTCB10N	050	1/5	
DSTCB11N	I	DSTCB11N	055	1/5	
DST001	I	DST0011	233	1/7	
DST011	I	DST0111	234	1/7	
DST021	I	DST0211	235	1/7	
DST031	I	DST0311	237	1/7	
DST041	I	DST0411	238	1/7	
DST051	I	DST0511	240	1/7	
DST061	I	DST0611	241	1/7	
DST071	I	DST0711	242	1/7	
DST081	I	DST0811	244	1/7	
DST091	I	DST0911	245	1/7	
DST101	I	DST1011	246	1/7	
DST111	I	DST1111	248	1/7	
DST121	I	DST1211	249	1/7	
DST131	I	DST1311	250	1/7	
DST141	I	DST1411	251	1/7	
DST151	I	DST1511	253	1/7	
DST161	I	DST1611	333	1/7	
DST171	I	DST1711	334	1/7	
DST181	I	DST1811	336	1/7	
DST191	I	DST1911	337	1/7	
DST201	I	DST2011	338	1/7	
DST211	I	DST2111	340	1/7	
DST221	I	DST2211	341	1/7	
DST231	I	DST2311	342	1/7	
DST241	I	DST2411	343	1/7	
DST251	I	DST2511	345	1/7	
DST261	I	DST2611	346	1/7	
DST271	I	DST2711	348	1/7	
DST281	I	DST2811	349	1/7	
DST291	I	DST2911	350	1/7	
DST301	I	DST3011	352	1/7	
DST311	I	DST3111	353	1/7	
DST321	I	DST3211	254	1/6	
DST331	I	DST3311	255	1/6	
DST341	I	DST3411	354	1/6	
DST351	I	DST3511	355	1/6	
EMINTEP	I	EMINTEP	033	1/9	
FTCHCAO	O	FTCHCAOO	451	1/10	
FTCHCBO	O	FTCHCBOO	532	1/10	
FTCHO	IO	SCR1701	134	1/5, 1/12 4/2	
GRD04104	I	3ZMBOPTO	356	(N)	
	GRD	GRD	004		
	GRD	GRD	016		
	GRD	GRD	038		
	GRD	GRD	044		
	GRD	GRD	049		
	GRD	GRD	109		
	GRD	GRD	114		
	GRD	GRD	117		
	GRD	GRD	119		
	GRD	GRD	135		
	GRD	GRD	139		

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	GRD	GRD		141	
	GRD	GRD		151	
	GRD	GRD		153	
	GRD	GRD		205	
	GRD	GRD		209	
	GRD	GRD		214	
	GRD	GRD		218	
	GRD	GRD		221	
	GRD	GRD		236	
	GRD	GRD		239	
	GRD	GRD		243	
	GRD	GRD		247	
	GRD	GRD		252	
	GRD	GRD		300	
	GRD	GRD		304	
	GRD	GRD		307	
	GRD	GRD		312	
	GRD	GRD		317	
	GRD	GRD		322	
	GRD	GRD		332	
	GRD	GRD		335	
	GRD	GRD		339	
	GRD	GRD		344	
	GRD	GRD		347	
	GRD	GRD		351	
	GRD	GRD		401	
	GRD	GRD		405	
	GRD	GRD		409	
	GRD	GRD		414	
	GRD	GRD		419	
	GRD	GRD		424	
	GRD	GRD		436	
	GRD	GRD		439	
	GRD	GRD		453	
	GRD	GRD		502	
	GRD	GRD		510	
	GRD	GRD		515	
	GRD	GRD		520	
	GRD	GRD		524	
	GRD	GRD		536	
	GRD	GRD		539	
	GRD	GRD		545	
	GRD	GRD		551	
	GRD	GRD		556	
	GRD	GRD		556	
	GRD	GRD		456	
HFPRT0	O	HALFOO	122	1/6	
HMSA00	O	HMSA000	445	1/10	
HMSA10	O	HMSA100	446	1/10	
HMSB00	O	HMSB000	544	1/10	

PART OF FS 1
SYMBOL(S) 10 11

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		2	13B
AT&T BELL LABORATORIES	SD-4C098-01	B#1CT	

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 11 (CONT)
STORE ADDRESS CONTROLLER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
SAC	04-104	UN43C(NOTE 309)	A	(F,M)
SAC	04-104	UN43D	A	(E,N)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
HMSB10	0	HMSB100	546		1/10	
IBSA0	0	IBSA000	447		1/10	
IBSB0	0	IBSB000	547		1/10	
HINT00	10	HINT000	022		1/5	
HINT10	10	HINT100	023		1/5	
MIR401	1	MIR4011	003		1/5	
MIR501	1	MIR5011	012		1/5	
MIR511	1	MIR5111	020		1/5	
MIR521	1	MIR5211	037		1/5	
MIR531	1	MIR5311	043		1/5	
MIR541	1	MIR5411	047		1/5	
MIR551	1	MIR5511	054		1/5	
MPC1	1	MPC11	402		1/5	
MSTMOU0	0	STIME000	015	(E)	(E)5/1	
MYSERB0	1	STDP010	411		1/9	
MYSERC0	1	STARE10	410		1/8	
NEXTCA00	0	NEXTCA00	448		1/10	
NEXTCA10	10	NEXTCA10	449		1/10	
NEXTCB00	0	NEXTCB00	548		1/10	
NEXTCB10	0	NEXTCB10	549		1/10	
NOG000	10	NOG000	001		1/5	
OPDCCA0	10	OPDCCA00	450		1/10,4/2	
OPDCCB0	10	OPDCCB00	550		1/10	
OSCN	1	OSCN	400		(N)1/5 1/13,(N)1/4	
PABUS0	1	SAE10	412		5/1	
PARDIV0	10	PDV100	009		1/6	
PARINH0	10	PINH00	010		1/6	
PARW10	10	PARW100	008		1/6	
PGEFL10	0	ATBP00	035		1/9	
PMSCMA0	0	MINECOP	444		1/8,1/9	
PMSCM0	1	MINECIP	407		5/1	
POSCHP	1	OTHRCP	408		5/1	
PPE1	1	PPC11	404		1/5	
PSG00	0	STG00	406		5/1	
PSW071	1	PSWPHYS1	006	(N)	1/8	
PUPD0	1	UPD10	052		1/9	
PSVB	PWR	VCC	000		1/8	
	PWR	VCC	024		1/8	
	PWR	VCC	032		1/8	
	PWR	VCC	056		1/8	
	PWR	VCC	100		1/8	
	PWR	VCC	124		1/8	
	PWR	VCC	132		1/8	
	PWR	VCC	156		1/8	
	PWR	VCC	200		1/8	
	PWR	VCC	224		1/8	
	PWR	VCC	232		1/8	
READCA0	PWR	VCC	256		1/8	
READCB0	0	READCA00	455		1/10	
	0	READCB00	555		1/10	
READ1	10	READ01	155		1/12	
RESET0	1	RESET10	500		1/8	
SARA00	0	SARA000	423		1/10	
SARA10	0	SARA100	432		1/10	
SARB00	0	SARB000	523		1/10	
SARB10	0	SARB100	532		1/10	
SAR081	10	SAR0801	501		1/12	
SAR091	10	SAR0901	503		1/12	
SAR101	10	SAR1001	504		1/12	
SAR111	10	SAR1101	505		1/12,4/2	
SAR121	10	SAR1201	506		1/12,4/2	
SAR131	10	SAR1301	507		1/12,4/2	
SAR141	10	SAR1401	508		1/12,4/2	
SAR151	10	SAR1501	509		1/12,4/2	
SAR161	10	SAR1601	511		1/12,4/2	
SAR171	10	SAR1701	512		1/12,4/2	
SAR181	10	SAR1801	513		1/12,4/2	
SAR191	10	SAR1901	514		1/12,4/2	
SAR201	10	SAR2001	516		1/12,4/2	
SAR211	10	SAR2101	517		1/12,4/2	
SAR221	10	SAR2201	518		1/12,4/2	
SAR231	10	SAR2301	519		1/12,4/2	
SAR331	10	SAR3301	521		1/12	
SAR341	10	SAR3401	522		1/12	
SATER00	0	ATBP00	034		1/8	
SATER00	1	ATBP010	416		1/12	
SATER18	1	ATBP110	422		1/12	
SATV10	0	ATBV00	036		1/9	
SA001	0	SA0001	433		2/1,2/2 5/1 TO PROC CONTROL FRAME CKT	
SA011	0	SA0101	434		2/1,2/2 5/1 TO PROC CONTROL FRAME CKT	
SA021	0	SA0201	435		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA031	0	SA0301	437		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA041	0	SA0401	438		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA051	0	SA0501	440		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA061	0	SA0601	441		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA071	0	SA0701	442		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA241	10	SAR1401	118	(N)	(N)5/1	
SA321	0	SA3201	443		5/1 TO PROC CONTROL FRAME CKT	
SA351	10	SCR1501	120	(N)	(N)5/1	
SCB1N0	10	BINT00	007		1/8	
SCR001	10	SCR0001	101		1/12	
SCR011	10	SCR0101	102		1/12	
SCR021	10	SCR0201	103		1/12	
SCR031	10	SCR0301	104		1/12	
SCR041	10	SCR0401	105		1/12	
SCR051	10	SCR0501	106		1/12	
SCR061	10	SCR0601	107		1/12	
SCR071	10	SCR0701	108		1/12	
SCR081	10	SCR0801	110		1/12	
SCR091	10	SCR0901	111		1/12	
SCR111	10	SCR1101	113		1/8,4/2	
SCR161	10	SCR1601	133		1/5,1/13 4/2,5/1	
SCR191	10	SCR1901	137		1/12,1/13 2/1,2/2 5/1	
SCR201	10	SCR2001	138		1/12	
SCR211	10	SCR2101	140		1/12,2/1 2/2,4/2	
SCR221	10	SCR2201	142		1/12,2/1 2/2,4/2	
SCR271	10	SCR2701	147		1/12	
SCR281	10	SCR2801	148		1/12	
SCR291	10	SCR2901	149		1/12	
SCR301	10	SCR3001	150		1/13,2/1 2/2,5/1	
SCR311	10	SCR3101	152		1/12,1/13 5/1 TO PROC CONTROL FRAME CKT	
SDRS00	0	SDRS000	454		1/10	
SDRS00	0	SDRS000	554		1/10	
SIRS00	0	SIRS000	452		1/10	
SIRS00	0	SIRS000	553		1/10	
SRCEA200	1	SRCEA200	011		1/5	
SRCEA210	1	SRCEA210	018		1/5	
SRCEB200	1	SRCEB200	017		1/5	
SRCEB210	1	SRCEB210	021		1/5	
SRC001	OT	SRC0001	201		1/10	
SRC011	OT	SRC0101	202		1/10	
SRC021	OT	SRC0201	203		1/10	
SRC031	OT	SRC0301	204		1/10	
SRC041	OT	SRC0401	206		1/10	
SRC051	OT	SRC0501	207		1/10	
SRC061	OT	SRC0601	208		1/10	
SRC071	OT	SRC0701	210		1/10	
SRC081	OT	SRC0801	211		1/10	
SRC091	OT	SRC0901	212		1/10	
SRC101	OT	SRC1001	213		1/10	
SRC111	OT	SRC1101	215		1/10	
SRC121	OT	SRC1201	216		1/10	
SRC131	OT	SRC1301	217		1/10	
SRC141	OT	SRC1401	219		1/10	
SRC151	OT	SRC1501	220		1/10	
SRC161	OT	SRC1601	301		1/10	
SCR171	OT	SCR1701	302		1/10	
SCR181	OT	SCR1801	303		1/10	
SCR191	OT	SCR1901	305		1/10	
SCR201	OT	SCR2001	306		1/10	
SCR211	OT	SCR2101	308		1/10	
SCR221	OT	SCR2201	309		1/10	
SCR231	OT	SCR2301	310		1/10	
SCR241	OT	SCR2401	311		1/10	
SCR251	OT	SCR2501	313		1/10	
SCR261	OT	SCR2601	314		1/10	
SCR271	OT	SCR2701	315		1/10	
SCR281	OT	SCR2801	316		1/10	
SCR291	OT	SCR2901	318		1/10	
SR301	OT	SR3001	319		1/12	
SR311	OT	SR3101	320		1/7,1/9 1/10,1/6	
SR321	OT	SR3201	222		1/12 1/7,1/9 1/10,1/6	
SR331	OT	SR3301	223		1/12 1/10,1/6 1/9	
SR341	OT	SR3401	321		1/12 1/10,1/6 1/9	
SR351	OT	SR3501	323		1/12 1/10,1/6 1/9	
STIME0	1	STIME10	040		5/1	
STIME00	0	STIME000	015		1/8	
STIME10	0	STIME100	019		1/8	
WAIT1	1	WAIT11	421		1/5	
WIDTH1	1	WIDTH11	051		1/9	
WRIT0	10	WRIT01	136		1/5,1/12 1/13,2/1 2/2,4/2 5/1	
WRIT1	10	WRIT01	154		1/12	

PART OF FS 1
SYMBOL NO. 11

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		12	13B
AT&T BELL LABORATORIES		SD-4098-01	B#1CU

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 12 (CONT)
STORE ADDRESS TRANSLATOR

SYMBOL NO. 12 (CONT)
STORE ADDRESS TRANSLATOR

SYMBOL NO. 12 (CONT)
STORE ADDRESS TRANSLATOR

SYMBOL NO. 13 (CONT)
CACHE MEMORY/CACHE STRAP BOARD

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SAT	04-110	UN45B	A	(S)
SAT	04-110	UN45C	A	(R)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SAT	04-110	UN45B	A	(S)
SAT	04-110	UN45C	A	(R)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
SAT	04-110	UN45B	A	(S)
SAT	04-110	UN45C	A	(R)

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
CAM	04-138	UN11B(NOTE 307)	A	(Y)
CSB	04-138	UN30B(NOTE 307)	A	(Z)
CAM	04-138	UN11C(NOTE 307)	A	(N)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
					FRAME CKT	
SA091	0	SA0901	246		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA101	0	SA1001	248		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA111	0	SA1101	249		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA121	0	SA1201	250		5/1,1/13 2/1,2/2 TO PROC CONTROL FRAME CKT	
SA131	0	SA1301	251		5/1,1/13 2/1,2/2 TO PROC CONTROL FRAME CKT	
SA141	0	SA1401	253		5/1,1/13 2/1,2/2 TO PROC CONTROL FRAME CKT	
SA151	0	SA1501	254		5/1,1/13 2/1,2/2 TO PROC CONTROL FRAME CKT	
SA161	0	SA1601	233		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA171	0	SA1701	234		5/1,1/13 2/1,2/2 TO PROC CONTROL FRAME CKT	
SA181	0	SA1801	235		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA191	0	SA1901	237		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA201	0	SA2001	238		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA211	0	SA2101	240		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA221	0	SA2201	241		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA231	0	SA2301	242		5/1,2/1 2/2 TO PROC CONTROL FRAME CKT	
SA331	0	SA3301	255		5/1 TO PROC CONTROL FRAME CKT	
SA341	0	SA3401	244		5/1 TO PROC CONTROL FRAME CKT	
SBYTE0	0	SBYTE00	348		5/1 TO PROC CONTROL FRAME CKT	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SCOMPO	0	SCONPRO0	355		5/1 TO PROC CONTROL FRAME CKT	
SCR001	1	CNTR0011	301		1/11	
SCR011	1	CNTR0111	302		1/11	
SCR021	1	CNTR0211	303		1/11	
SCR031	1	CNTR0311	305		1/11	
SCR041	1	CNTR0411	306		1/11	
SCR051	1	CNTR0511	308		1/11	
SCR061	1	CNTR0611	309		1/11	
SCR071	1	CNTR0711	310		1/11	
SCR081	1	CNTR0811	311		1/11	
SCR091	1	CNTR0911	313		1/11	
SCR191	1	CLR10	336		1/11	
SCR201	1	BYPSCR10	337		1/11	
SCR211	1	BYTE10	338		1/11	
SCR221	1	HALF10	340		1/11	
SCR271	1	ATBBSL10	341		1/11	
SCR281	1	CNTRSL10	342		1/11	
SCR291	1	ATBINV10	343		1/11	
SCR311	1	MAINT10	345		1/11	
SDE0	0	CDE00	354		1/10	
SHALF0	0	SHALF00	349		5/1 TO PROC CONTROL FRAME CKT	
SHAINTO	0	SHAINTO0	350		5/1 TO PROC CONTROL FRAME CKT	
SRCEA210	1	ATBE1810	423		1/5	
SRCEBA10	1	SRCENP10	148		1/5	
SRCEB210	1	ATBE1A10	422		1/5	
SRC001	OT	SRC0001	001		1/10	
SRC011	OT	SRC0101	002		1/10	
SRC021	OT	SRC0201	003		1/10	
SRC031	OT	SRC0301	004		1/10	
SRC041	OT	SRC0401	006		1/10	
SRC051	OT	SRC0501	007		1/10	
SRC061	OT	SRC0601	008		1/10	
SRC071	OT	SRC0701	010		1/10	
SRC081	OT	SRC0801	011		1/10	
SRC091	OT	SRC0901	012		1/10	
SRC101	OT	SRC1001	013		1/10	
SRC111	OT	SRC1101	015		1/10	
SRC121	OT	SRC1201	016		1/10	
SRC131	OT	SRC1301	017		1/10	
SRC141	OT	SRC1401	019		1/10	
SRC151	OT	SRC1501	020		1/10	
SRC161	OT	SRC1601	101		1/10	
SRC171	OT	SRC1701	102		1/10	
SRC181	OT	SRC1801	103		1/10	
SRC191	OT	SRC1901	105		1/10	
SRC201	OT	SRC2001	106		1/10	
SRC211	OT	SRC2101	107		1/10	
SRC221	OT	SRC2201	108		1/10	
SRC231	OT	SRC2301	110		1/10	
SRC241	OT	SRC2401	111		1/10	
SRC251	OT	SRC2501	113		1/10	
SRC261	OT	SRC2601	114		1/10	
SRC271	OT	SRC2701	115		1/10	
SRC281	OT	SRC2801	116		1/10	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SRC291	OT	SRC2901	117		1/10	
SRC301	OT	SRC3001	118		1/11	
SRC311	OT	SRC3101	120		1/11	
SRC321	OT	SRC3201	022		1/11	
SRC331	OT	SRC3301	023		1/11	
SRC341	OT	SRC3401	121		1/11	
SRC351	OT	SRC3501	123		1/11	
SSRCLR0	1	SSRCLR10	215		1/9	
SSRSET0	1	SSRSET10	216		1/9	
SSR130	1	CABYP10	523		1/8	
TAA071	10	TAA0701	433		4/2	
TAA081	10	TAA0801	434		4/2	
TAA091	10	TAA0901	435		4/2	
THITAI	10	THITAX01	554		2/1,2/2	
THITB1	10	THITBX01	555		2/1,2/2	
WRIT0	1	WRIT10	334		1/11	
WRIT1	1	WRIT11	150		1/11	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CAG000	0	CAG0000	423		2/1,2/2	
CAHITB1	1	CAHITB10	305		2/2	
CAHITCMT	1		544		2/1	
CAH1T0	1	CAH1TA10	306		2/1	
CAMENA1	10	CSMENA01	033		2/1	
CAMENB1	10	CSMENB01	034		2/1	
CAMENCT	10	CSMENCO1	035		2/2	
CAMEND1	10	CSMEND01	038		2/2	
CAMREDA0	0	CSMACA00	150		2/1	
CAMREDB0	0	CSMACB00	149		2/1	
CAMREDC0	0	CSMACC00	148		2/2	
CAMREDD0	0	CSMACD00	147		2/2	
CAPRS0	GR0	GR0	340		1/12	
CARDY0	0	CSBUSY0	201		1/11	
CARESET0	10	CSCTRS00	045		2/1,2/2	
CASTAK0	1	CASTAK10	302		1/11	
CATAG0	10	CCMSB00	144		2/1	
CATAGB0	10	CCMSA00	145		2/2	
CATIMST1	0	CSCLKS01	314		2/1,2/2	
CATIMST3	10	CSM300	316		2/1,2/2	
CATIMST20	10	CLKTAGG0	315		2/1,2/2	
CAMA1T0	0	CAMOLD00	204		5/1	
CAMTAGA0	0	CCMODA00	047		2/1	
CAMTAGB0	0	CCMODB00	046		2/2	
CA020	1	CA0210	318		1/11	
CA030	1	CA0310	319		1/11	
CA040	1	CA0410	320		1/11	
CA050	1	CA0510	321		1/11	
CA060	1	CA0610	323		1/11	
CA070	1	CA0710	324		1/11	
CA080	1	CA0810	333		1/12	
CA090	1	CA0910	334		1/12	
CA100	1	CA1010	336		1/12	
CA240	(N)1	CA2410	005	(N)	(N)1/11	
CD001	10	CD00B1	001		1/10	
CD011	10	CD01B1	002		1/10	
CD021	10	CD02B1	003		1/10	
CD031	10	CD03B1	004		1/10	
CD041	10	CD04B1	006		1/10	
CD051	10	CD05B1	007		1/10	
CD061	10	CD06B1	008		1/10	
CD071	10	CD07B1	010		1/10	
CD081	10	CD08B1	011		1/10	
CD091	10	CD09B1	013		1/10	
CD101	10	CD10B1	014		1/10	
CD111	10	CD11B1	015		1/10	
CD121	10	CD12B1	017		1/10	
CD131	10	CD13B1	018		1/10	

SYMBOL NO. 13
CACHE MEMORY/CACHE STRAP BOARD

DESIG	EOPT LOC	CODE	ELEM IDENT	OPT
CAM	04-138	UN11B(NOTE 307)	A	(Y)
CSB	04-138	UN30B(NOTE 307)	A	(Z)
CAM	04-138	UN11C(NOTE 307)	A	(N)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
HC	0	CST1200	203			
	0	STRER00	206			
	0	CSCG000	207			
	1	CSITEA01	133			
	1	CSITEB01	134			
	1	CSITEC01	135			
	1	CSITED01	138			
	1	INIT10	211			
	1	CSM000	313			
CAA110	1	COSIDE0	350		1/12	
	1	WHIT11	352			
	1	CAA1110	136			
CAA120	1	CAA1210	137		1/12	
CABYP0	1	CABYP10	301		1/12	
CAB110	1		036		1/12	
CAB120	1		037		1/12	
CACHER0	10	ERRINT00	533		1/8	
CAENGR1	1	CSENGA11	432		2/1	
CAENGRB1	1	CSENGB11	433		2/1	
CAENGRC1	1	CSENGC11	434		2/2	
CAENGRD1</						

PART OF FS 1
CENTRAL PROCESSING UNIT

SYMBOL NO. 13 (CONT)
CACHE MEMORY/CACHE STRAP BOARD

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CAM	04-138	UN11B(NOTE 307)	A	(Y)
CSB	04-138	UN30B(NOTE 307)	A	(Z)
CAM	04-138	UN11C(NOTE 307)	A	(N)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CAM	04-138	UN11B(NOTE 307)	A	(Y)
CSB	04-138	UN30B(NOTE 307)	A	(Z)
CAM	04-138	UN11C(NOTE 307)	A	(N)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CAM	04-138	UN11B(NOTE 307)	A	(Y)
CSB	04-138	UN30B(NOTE 307)	A	(Z)
CAM	04-138	UN11C(NOTE 307)	A	(N)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CAM	04-138	UN11B(NOTE 307)	A	(Y)
CSB	04-138	UN30B(NOTE 307)	A	(Z)
CAM	04-138	UN11C(NOTE 307)	A	(N)

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CD141	10	CD14B1	020		1/10	
CD151	10	CD15B1	021		1/10	
CD161	10	CD16B1	101		1/10	
CD171	10	CD17B1	103		1/10	
CD181	10	CD18B1	104		1/10	
CD191	10	CD19B1	105		1/10	
CD201	10	CD20B1	106		1/10	
CD211	10	CD21B1	107		1/10	
CD221	10	CD22B1	108		1/10	
CD231	10	CD23B1	110		1/10	
CD241	10	CD24B1	111		1/10	
CD251	10	CD25B1	113		1/10	
CD261	10	CD26B1	114		1/10	
CD271	10	CD27B1	116		1/10	
CD281	10	CD28B1	117		1/10	
CD291	10	CD29B1	118		1/10	
CD301	10	CD30B1	120		1/10	
CD311	10	CD31B1	121		1/10	
CD321	10	CD32B1	022		1/10	
CD331	10	CD33B1	023		1/10	
CD341	10	CD34B1	122		1/10	
CD351	10	CD35B1	123		1/10	
CLRBB	1		452		2/1, 2/2	
CPMB	10	PCPRA	143		1/10	
CPPB	10	PCPRB	044		1/10	
CPWRCLRO	1	PHRCLRO	523		4/1	
CSMADO	10	CSMADO	208		2/1, 2/2	
CSMAINTO	0	CSMAIT00	141		2/1, 2/2	
CSMIS1	1	CSMISS11	540		2/2	
CSRENAO	0	CSRENAO0	441		2/1	
CSRENBO	0	CSRENBO0	442		2/1	
CSRENCO	0	CSRENCO0	443		2/2	
CSRENDO	0	CSRENDO0	444		2/2	
CST011	0	CST0101	202		2/1, 2/2	
DWCGO	1	MSDMA10	546		5/1	
GRD04138	GRD	GRD	019			
	GRD	GRD	102			
	GRD	GRD	109			
	GRD	GRD	119			
	GRD	GRD	139			
	GRD	GRD	153			
	GRD	GRD	205			
	GRD	GRD	209			
	GRD	GRD	214			
	GRD	GRD	218			
	GRD	GRD	221			
	GRD	GRD	236			
	GRD	GRD	239			
	GRD	GRD	243			
	GRD	GRD	247			
	GRD	GRD	252			
	GRD	GRD	300			
	GRD	GRD	304			
	GRD	GRD	307			
	GRD	GRD	312			
	GRD	GRD	317			
	GRD	GRD	322			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	332			
	GRD	GRD	335			
	GRD	GRD	339			
	GRD	GRD	344			
	GRD	GRD	347			
	GRD	GRD	351			
	GRD	GRD	409			
	GRD	GRD	419			
	GRD	GRD	424			
	GRD	GRD	439			
	GRD	GRD	453			
	GRD	GRD	456			
	GRD	GRD	524			
	GRD	GRD	556			
	GRD	GRD	210			
INHCONT	I					2/1
INTSTO	I	CINTEN10	155			1/12
OSCN	I	OSCN	537			1/11
PDBUSO	I	PDBUS10	539			5/1
PHSCHO	I	STCMPL10	534			5/1
PURDO	I	UPDATE10	310			1/9
P5VB	PHR	VCC	000			1/8
	PHR	VCC	024			1/8
	PHR	VCC	032			1/8
	PHR	VCC	056			1/8
	PHR	VCC	100			1/8
	PHR	VCC	124			1/8
	PHR	VCC	132			1/8
	PHR	VCC	156			1/8
	PHR	VCC	200			1/8
	PHR	VCC	224			1/8
	PHR	VCC	232			1/8
	PHR	VCC	256			1/8
SA121	I	SA1211	241			1/12
SA131	I	SA1311	242			1/12
SA141	I	SA1411	244			1/12
SA151	I	SA1511	245			1/12
SA171	I	SA1711	248			1/12
SCR161	I	CAGO10	536			1/11
SCR191	I	CLRA10	451			1/11
SCR301	I	OTHER10	309			1/11
SCR311	I	SMANT10	140			5/1
SD001	10	SD00B1	515			TO PROC CONTROL FRAME CKT
SD011	10	SD01B1	517			5/1 TO PROC CONTROL FRAME CKT
SD021	10	SD02B1	519			5/1 TO PROC CONTROL FRAME CKT
SD031	10	SD03B1	521			5/1 TO PROC CONTROL FRAME CKT
SD041	10	SD04B1	501			5/1 TO PROC CONTROL FRAME CKT
SD051	10	SD05B1	503			5/1 TO PROC CONTROL FRAME CKT
SD061	10	SD06B1	505			5/1 TO PROC CONTROL FRAME CKT

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SD071	10	SD07B1	507		5/1 TO PROC CONTROL FRAME CKT	
SD081	10	SD08B1	414		5/1 TO PROC CONTROL FRAME CKT	
SD091	10	SD09B1	416		5/1 TO PROC CONTROL FRAME CKT	
SD101	10	SD10B1	418		5/1 TO PROC CONTROL FRAME CKT	
SD111	10	SD11B1	421		5/1 TO PROC CONTROL FRAME CKT	
SD121	10	SD12B1	401		5/1 TO PROC CONTROL FRAME CKT	
SD131	10	SD13B1	403		5/1 TO PROC CONTROL FRAME CKT	
SD141	10	SD14B1	405		5/1 TO PROC CONTROL FRAME CKT	
SD151	10	SD15B1	407		5/1 TO PROC CONTROL FRAME CKT	
SD161	10	SD16B1	516		5/1 TO PROC CONTROL FRAME CKT	
SD171	10	SD17B1	518		5/1 TO PROC CONTROL FRAME CKT	
SD181	10	SD18B1	520		5/1 TO PROC CONTROL FRAME CKT	
SD191	10	SD19B1	522		5/1 TO PROC CONTROL FRAME CKT	
SD201	10	SD20B1	502		5/1 TO PROC CONTROL FRAME CKT	
SD211	10	SD21B1	504		5/1 TO PROC CONTROL FRAME CKT	
SD221	10	SD22B1	506		5/1 TO PROC CONTROL FRAME CKT	
SD231	10	SD23B1	508		5/1 TO PROC CONTROL FRAME CKT	
SD241	10	SD24B1	415		5/1 TO PROC CONTROL FRAME CKT	
SD251	10	SD25B1	417		5/1 TO PROC CONTROL FRAME CKT	
SD261	10	SD26B1	420		5/1 TO PROC CONTROL FRAME CKT	
SD271	10	SD27B1	422		5/1 TO PROC CONTROL FRAME CKT	
SD281	10	SD28B1	402		5/1 TO PROC CONTROL FRAME CKT	
SD291	10	SD29B1	404		5/1 TO PROC CONTROL FRAME CKT	
SD301	10	SD30B1	406		5/1 TO PROC CONTROL FRAME CKT	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
SD311	10	SD31B1	408		5/1 TO PROC CONTROL FRAME CKT	
SD321	10	SD32B1	509		5/1 TO PROC CONTROL FRAME CKT	
SD331	10	SD33B1	410		5/1 TO PROC CONTROL FRAME CKT	
SD341	10	SD34B1	510		5/1 TO PROC CONTROL FRAME CKT	
SD351	10	SD35B1	411		5/1 TO PROC CONTROL FRAME CKT	
VALID0A1	I	CSVBA11	040		2/1	
VALID0B1	I	CSVBB11	041		2/1	
VALID0C1	I	CSVBC11	042		2/2	
VALID0D1	I	CSVBD11	043		2/2	
WRIT0	(Y)	WRITE10	303		1/11	

PART OF FS 1
SYMBOL(S) 13

SEE PROPRIETARY NOTICE ON COVER SHEET

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		12	7B
AT&T BELL LABORATORIES	SD-4C098-01	B#1CX	

PART OF FS 2
CACHE

SYMBOL NO. 2
CACHE CONTROL

SYMBOL NO. 2 (CONT)
CACHE CONTROL

SYMBOL NO. 2 (CONT)
CACHE CONTROL

SYMBOL NO. 2 (CONT)
CACHE CONTROL

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CACB	04-130	UN10B(NOTE 307)	A	(M)
CACB	04-130	UN10C(NOTE 307)	A	(N)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CACB	04-130	UN10B(NOTE 307)	A	(M)
CACB	04-130	UN10C(NOTE 307)	A	(N)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CACB	04-130	UN10B(NOTE 307)	A	(M)
CACB	04-130	UN10C(NOTE 307)	A	(N)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CACB	04-130	UN10B(NOTE 307)	A	(M)
CACB	04-130	UN10C(NOTE 307)	A	(N)

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
NC	0	CCM1100	052		
CAA118	I	CAA1110	136	1/12	
CAA128	I	CAA1210	137	1/12	
CAA130	I	CAA1310	138	1/12	
CAA140	I	CAA1410	140	1/12	
CAA150	I	CAA1510	142	1/12	
CAA160	I	CAA1610	143	1/12	
CAA170	I	CAA1710	144	1/12	
CAA180	I	CAA1810	145	1/12	
CAA190	I	CAA1910	146	1/12	
CAA200	I	CAA2010	147	1/12	
CAA210	I	CAA2110	149	1/12	
CAA220	I	CAA2210	150	1/12	
CAA230	I	CAA2310	151	1/12	
CAA330	I	CAA3310	154	1/12	
CAA340	I	CAA3410	135	1/12	
CABYPO	I	CABYP10	553	1/12	
CAB110	I	CAB1110	036	1/12	
CAB120	I	CAB1210	037	1/12	
CAB130	I	CAB1310	038	1/12	
CAB140	I	CAB1410	040	1/12	
CAB150	I	CAB1510	041	1/12	
CAB160	I	CAB1610	042	1/12	
CAB170	I	CAB1710	044	1/12	
CAB180	I	CAB1810	045	1/12	
CAB190	I	CAB1910	047	1/12	
CAB200	I	CAB2010	048	1/12	
CAB210	I	CAB2110	049	1/12	
CAB220	I	CAB2210	050	1/12	
CAB230	I	CAB2310	051	1/12	
CAB330	I	CAB3310	034	1/12	
CAB340	I	CAB3410	035	1/12	
CACHERO	IO	TCACF00	306	1/8	
CAENGR01	IO	CCENGA01	223	1/13	
CAENGR01	IO	CCENGB01	222	1/13	
CAENH01	I	CCENH110	340	1/13	
CAPER00	I	CST1210	311	1/13	
CAG050	I	CAG10	420	1/13	
CAH1B1	IO	CCH1T00	551	1/13	
CAHITEA0	IO	CCHI1A00	514	2/1	
CAHITEB0	IO	CCHI1B00	513	2/1	
CAHITEC0	IO	CCHI1C00	512	2/1	
CAHITED0	IO	CCHI1D00	511	2/1	
CAHITEE0	I	CCHI1E10	520	2/1	
CAHITEF0	I	CCHI1F10	521	2/1	
CAHITEG0	I	CCHI1G10	522	2/1	
CAHITEH0	I	CCHI1H10	523	2/1	
CAMEN01	I	CSMEA11	422	1/13	
CAMEND1	I	CSMENB11	423	1/13	
CAMISLNT	0	CCMS100	053		
	I	CCCN11	550		
CAMREDO	I	CSREDA10	234	1/13	
CAMREDO	I	CSREDB10	233	1/13	
CARESET0	I	CCRES11	342	1/13	
CAGTAK0	I	CASTAK10	554	1/11	
CATAGB0	I	CSMA110	341	1/13	
CATIMST1	I	CSTIM110	337	1/13	
CATIMST3	I	CSTIM210	338	1/13	
CATIMST20	I	CSTM210	547	1/13	
CANTAGB0	I	CCME10	544	1/13	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
CA000	I	CA0010	315	1/11	
CA010	I	CA0110	316	1/11	
CA020	I	CA0210	318	1/11	
CA030	I	CA0310	319	1/11	
CA040	I	CA0410	320	1/11	
CA050	I	CA0510	321	1/11	
CA060	I	CA0610	323	1/11	
CA070	I	CA0710	324	1/11	
CA080	I	CA0810	333	1/12	
CA090	I	CA0910	334	1/12	
CA100	I	CA1010	336	1/12	
CA240	(N) I	CA2410	005	(N) 1/11	
CA320	I	CA3210	314	1/11	
CD001	IO	CD00B1	001	1/10	
CD011	IO	CD01B1	002	1/10	
CD021	IO	CD02B1	003	1/10	
CD031	IO	CD03B1	004	1/10	
CD041	IO	CD04B1	006	1/10	
CD051	IO	CD05B1	007	1/10	
CD061	IO	CD06B1	008	1/10	
CD071	IO	CD07B1	010	1/10	
CD081	IO	CD08B1	011	1/10	
CD091	IO	CD09B1	013	1/10	
CD101	IO	CD10B1	014	1/10	
CD111	IO	CD11B1	015	1/10	
CD121	IO	CD12B1	017	1/10	
CD131	IO	CD13B1	018	1/10	
CD141	IO	CD14B1	020	1/10	
CD151	IO	CD15B1	021	1/10	
CD161	IO	CD16B1	101	1/10	
CD171	IO	CD17B1	103	1/10	
CD181	IO	CD18B1	104	1/10	
CD191	IO	CD19B1	105	1/10	
CD201	IO	CD20B1	106	1/10	
CD211	IO	CD21B1	107	1/10	
CD221	IO	CD22B1	108	1/10	
CD231	IO	CD23B1	110	1/10	
CD241	IO	CD24B1	111	1/10	
CD251	IO	CD25B1	113	1/10	
CD261	IO	CD26B1	114	1/10	
CD271	IO	CD27B1	116	1/10	
CD281	IO	CD28B1	117	1/10	
CD291	IO	CD29B1	118	1/10	
CD301	IO	CD30B1	120	1/10	
CD311	IO	CD31B1	121	1/10	
CLRBO	I		507	1/13	
CPMB	IO	PCPRA	444	(B) 1/10	315
	IO	PCPRA	444	(D) 1/10	
CPMBB	IO	PCPRA	444		TO PROC CONTROL FRAME CKT
CPPB	IO	PCPRB	244	(D) 1/10	315
	IO	PCPRB	244	(B) 1/10	
EPPBB	IO	PCPRB	244		TO PROC CONTROL FRAME CKT
CSDMA00	I	CSDMA10	220	1/13	
CSMAINT0	I	CSTOEN10	546	1/13	
CSMIS1	IO	CCMIS01	154	1/13	
CSRENC0	I	CCREMA10	410	1/13	
CSRENDD	I	CCRENB10	411	1/13	

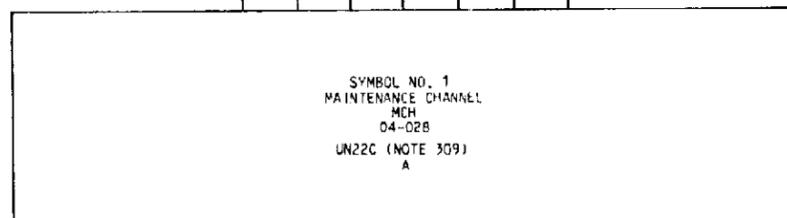
LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
CST011	I		133	1/13	
GR004130	GRD	GRD	039		
	GRD	GRD	043		
	GRD	GRD	046		
	GRD	GRD	109		
	GRD	GRD	119		
	GRD	GRD	139		
	GRD	GRD	141		
	GRD	GRD	148		
	GRD	GRD	153		
	GRD	GRD	205		
	GRD	GRD	209		
	GRD	GRD	214		
	GRD	GRD	218		
	GRD	GRD	221		
	GRD	GRD	236		
	GRD	GRD	239		
	GRD	GRD	243		
	GRD	GRD	247		
	GRD	GRD	252		
	GRD	GRD	300		
	GRD	GRD	304		
	GRD	GRD	307		
	GRD	GRD	312		
	GRD	GRD	317		
	GRD	GRD	322		
	GRD	GRD	332		
	GRD	GRD	335		
	GRD	GRD	339		
	GRD	GRD	344		
	GRD	GRD	347		
	GRD	GRD	351		
	GRD	GRD	409		
	GRD	GRD	419		
	GRD	GRD	424		
	GRD	GRD	436		
	GRD	GRD	439		
	GRD	GRD	447		
	GRD	GRD	453		
	GRD	GRD	456		
	GRD	GRD	524		
	GRD	GRD	536		
	GRD	GRD	539		
	GRD	GRD	556		
INHONTB	IO	INHCT00	054		2/1
INTST0	I	CSHITE10	519		1/12
HYSERB0	I	HYSERB10	201		1/9
HYSERCO	I	HYSERCO10	202		1/8
PSVBB	PWR	VCC	000		
	PWR	VCC	024		
	PWR	VCC	032		
	PWR	VCC	056		
	PWR	VCC	100		
	PWR	VCC	124		
	PWR	VCC	132		
	PWR	VCC	156		
	PWR	VCC	200		
	PWR	VCC	224		
	PWR	VCC	232		
	PWR	VCC	256		

PART OF FS 2
SYMBOL(S) 2

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		□	11B
AT&T BELL LABORATORIES		SD-4C098-01	B#2CB

PART OF FS 3

MAINTENANCE CHANNEL
INTERCONNECTION AND FLOW DIAGRAM



TO PROC CONTROL FRAME CKT
(8 LEADS)

BGBRAD 1/1
BGR(00-35)1, CPMA, CPRA, MSA(00-17)1, MSD(00-63)1 (120 LEADS)

DISAHO, MCHINTO, MTC(00-15)1, STPSHO 1/8 (19 LEADS)

BGRANZO, BGRPP(0-4)0, BGRSSOO, MTC(16-31)1, PNNLO, STPOO 1/9 (25 LEADS)

MULTMCTO, MLTMGRO 4/1 (2 LEADS)

MTC(32-35)1 1/6 (4 LEADS)

TO PROC CONTROL FRAME CKT (2 LEADS)

MSDYO (BIT) 1/1

MCHMRO 1/1-4, 4/1

MCHMRO, STEPO 1/5, 4/1 (2 LEADS)

MTCEND, MTCESLO1 1/6, 1/8, 1/9, 4/1 (2 LEADS)

STPCLRO (BIT) 1/8

MCHERO 1/8

CLERO 1/8, 1/9, 4/1 (3 LEADS)

MTCENLO, MTCESLTI, STPSETO 1/8, 4/1 (2 LEADS)

PINTO, PTRSTO 1/8, 4/1 (2 LEADS)

MRF-O 1/8, 4/2

MCHSAD, MCHSBO 1/9, 4/1 (2 LEADS)

MCHMSRO 4/1

MCHSVA 1/1

PART OF FS 3
IFD SYMBOL(S) 1

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		65	5D
BELL LABORATORIES	SD-4C098-01	B-33AA	

FORM NO. 100-A

PART OF FS 3
MAINTENANCE CHANNEL

SYMBOL NO. 1
MAINTENANCE CHANNEL

SYMBOL NO. 1 (CONT)
MAINTENANCE CHANNEL

SYMBOL NO. 1 (CONT)
MAINTENANCE CHANNEL

SYMBOL NO. 1 (CONT)
MAINTENANCE CHANNEL

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT								
MCH	04-028	UN22C	A		MCH	04-028	UN22C	A		MCH	04-028	UN22C	A		MCH	04-028	UN22C	A									
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	0	SPARE00	152				CPRA	10	PCPRA	222		1/1			MSD181	10	MSD18B1	013		1/1		MSD191	10	MSD19B1	118		1/1
	0	CLKB0M	407				CPRA	10	PCPRB	117		1/1			MSD201	10	MSD20B1	035		1/1		MSD211	10	MSD21B1	041		1/1
	0	CLKB0P	506				DAHAN	1	HDATAABN	417			TO PROC CONTROL FRAME CKT		MSD221	10	MSD22B1	047		1/1		MSD231	10	MSD23B1	050		1/1
	1	TEST	520				DAMAP	1	HDATAABP	516			TO PROC CONTROL FRAME CKT		MSD241	10	MSD24B1	101		1/1		MSD251	10	MSD25B1	008		1/1
	1	CLKB1N	408				DALAN	1	LDATAABN	416			TO PROC CONTROL FRAME CKT		MSD261	10	MSD26B1	014		1/1		MSD271	10	MSD27B1	017		1/1
	1	LDATAABN	409				DALAP	1	LDATAABP	515			TO PROC CONTROL FRAME CKT		MSD281	10	MSD28B1	036		1/1		MSD291	10	MSD29B1	042		1/1
	1	HDATAABN	410				DISAB0	1	DISAB10	419		1/8			MSD301	10	MSD30B1	048		1/1		MSD311	10	MSD31B1	051		1/1
	1	STPSHBBN	411				GRD04028	1	INHCLK11	133					MSD321	10	MSD32B1	102		1/1		MSD331	10	MSD33B1	009		1/1
	1	CLKB1P	507						INPRM11	154					MSD341	10	MSD34B1	015		1/1		MSD351	10	MSD35B1	018		1/1
	1	LDATAABP	508						GRD	004					MSD361	10	MSD36B1	037		1/1		MSD371	10	MSD37B1	043		1/1
	1	HDATAABP	509						GRD	006					MSD381	10	MSD38B1	145		1/1		MSD391	10	MSD39B1	052		1/1
	1	STPSHBBP	510						GRD	016					MSD401	10	MSD40B1	103		1/1		MSD411	10	MSD41B1	010		1/1
BC3EN20	1	TESTINIT	521		1/9				GRD	022					MSD421	10	MSD42B1	111		1/1		MSD431	10	MSD43B1	019		1/1
BC3PP00	1	BCBEH10	403		1/9				GRD	038					MSD441	10	MSD44B1	136		1/1		MSD451	10	MSD45B1	142		1/1
	1	BCBPP010	207		1/9				GRD	044					MSD461	10	MSD46B1	146		1/1		MSD471	10	MSD47B1	053		1/1
BC3PP10	1	BCBPP110	208		1/9				GRD	049					MSD481	10	MSD48B1	104		1/1		MSD491	10	MSD49B1	106		1/1
BC3PP20	1	BCBPP210	210		1/9				GRD	107					MSD501	10	MSD50B1	112		1/1		MSD511	10	MSD51B1	020		1/1
BC3PP30	1	BCBPP310	211		1/9				GRD	109					MSD521	10	MSD52B1	137		1/1		MSD531	10	MSD53B1	143		1/1
BC3PP40	1	BCBPP410	212		1/9				GRD	110					MSD541	10	MSD54B1	147		1/1		MSD551	10	MSD55B1	054		1/1
BC3RS00	1	BCBR5010	203		1/1				GRD	119					MSD561	10	MSD56B1	105		1/1		MSD571	10	MSD57B1	108		1/1
BC3RW0	1	BCBRW10	404		1/1				GRD	134					MSD581	10	MSD58B1	113		1/1		MSD591	10	MSD59B1	021		1/1
BC8001	10	BC800B1	233		1/1				GRD	139					MSD601	10	MSD60B1	138		1/1		MSD611	10	MSD61B1	144		1/1
BC8011	10	BC801B1	234		1/1				GRD	140					MSD621	10	MSD62B1	148		1/1		MSD631	10	MSD63B1	055		1/1
BC8021	10	BC802B1	235		1/1				GRD	141					MSD641	10	MSD64B1	136		1/1		MTCEH00	0	MTCEH000	219		1/8, 1/8, 1/9, 4/1
BC8031	10	BC803B1	237		1/1				GRD	151					MSD651	10	MSD65B1	142		1/1		MTCEH10	0	MTCEH100	122		1/8, 1/9, 4/1
BC8041	10	BC804B1	238		1/1				GRD	153					MSD661	10	MSD66B1	146		1/1							
BC8051	10	BC805B1	240		1/1				GRD	155					MSD671	10	MSD67B1	053		1/1							
BC8061	10	BC806B1	241		1/1				GRD	205					MSD681	10	MSD68B1	104		1/1							
BC8071	10	BC807B1	242		1/1				GRD	209					MSD691	10	MSD69B1	106		1/1							
BC8081	10	BC808B1	244		1/1				GRD	214					MSD701	10	MSD70B1	112		1/1							
BC8091	10	BC809B1	245		1/1				GRD	218					MSD711	10	MSD71B1	020		1/1							
BC8101	10	BC810B1	246		1/1				GRD	221					MSD721	10	MSD72B1	137		1/1							
BC8111	10	BC811B1	248		1/1				GRD	236					MSD731	10	MSD73B1	143		1/1							
BC8121	10	BC812B1	249		1/1				GRD	239					MSD741	10	MSD74B1	147		1/1							
BC8131	10	BC813B1	250		1/1				GRD	243					MSD751	10	MSD75B1	054		1/1							
BC8141	10	BC814B1	251		1/1				GRD	247					MSD761	10	MSD76B1	105		1/1							
BC8151	10	BC815B1	253		1/1				GRD	252					MSD771	10	MSD77B1	108		1/1							
BC8161	10	BC816B1	333		1/1				GRD	300					MSD781	10	MSD78B1	113		1/1							
BC8171	10	BC817B1	334		1/1				GRD	304					MSD791	10	MSD79B1	021		1/1							
BC8181	10	BC818B1	336		1/1				GRD	307					MSD801	10	MSD80B1	138		1/1							
BC8191	10	BC819B1	337		1/1				GRD	312					MSD811	10	MSD81B1	144		1/1							
BC8201	10	BC820B1	338		1/1				GRD	317					MSD821	10	MSD82B1	148		1/1							
BC8211	10	BC821B1	340		1/1				GRD	322					MSD831	10	MSD83B1	055		1/1							
BC8221	10	BC822B1	341		1/1				GRD	332					MSD841	10	MSD84B1	136		1/1							
BC8231	10	BC823B1	342		1/1				GRD	335					MSD851	10	MSD85B1	039		1/1							
BC8241	10	BC824B1	343		1/1				GRD	339					MSD861	10	MSD86B1	045		1/1							
BC8251	10	BC825B1	345		1/1				GRD	344					MSD871	10	MSD87B1	149		1/1							
BC8261	10	BC826B1	346		1/1				GRD	347					MSD881	10	MSD88B1	002		1/1							
BC8271	10	BC827B1	348		1/1				GRD	351					MSD891	10	MSD89B1	006		1/1							
BC8281	10	BC828B1	349		1/1				GRD	406					MSD901	10	MSD90B1	012		1/1							
BC8291	10	BC829B1	350		1/1				GRD	413					MSD911	10	MSD91B1	116		1/1							
BC8301	10	BC830B1	352		1/1				GRD	424					MSD921	10	MSD92B1	034		1/1							
BC8311	10	BC831B1	353		1/1				GRD	436					MSD931	10	MSD93B1	040		1/1							
BC8321	10	BC832B1	254		1/1				GRD	439					MSD941	10	MSD94B1	046		1/1							
BC8331	10	BC833B1	255		1/1																						

PART OF FS 3
MAINTENANCE CHANNEL

SYMBOL NO. 1 (CONT)
MAINTENANCE CHANNEL

SYMBOL NO. 1 (CONT)
MAINTENANCE CHANNEL

DESIG EOPT LOC CODE ELEM OPT
MCH 04-028 UN22C A

DESIG EOPT LOC CODE ELEM OPT
MCH 04-028 UN22C A

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
MTC001	I	MTC001	433	1/8	
MTC011	I	MTC011	434	1/8	
MTC021	I	MTC021	435	1/8	
MTC031	I	MTC031	437	1/8	
MTC041	I	MTC041	438	1/8	
MTC051	I	MTC051	440	1/8	
MTC061	I	MTC061	441	1/8	
MTC071	I	MTC071	442	1/8	
MTC081	I	MTC081	444	1/8	
MTC091	I	MTC091	445	1/8	
MTC101	I	MTC101	447	1/8	
MTC111	I	MTC111	448	1/8	
MTC121	I	MTC121	449	1/8	
MTC131	I	MTC131	450	1/8	
MTC141	I	MTC141	451	1/8	
MTC151	I	MTC151	452	1/8	
MTC161	I	MTC161	533	1/9	
MTC171	I	MTC171	535	1/9	
MTC181	I	MTC181	536	1/9	
MTC191	I	MTC191	538	1/9	
MTC201	I	MTC201	539	1/9	
MTC211	I	MTC211	540	1/9	
MTC221	I	MTC221	542	1/9	
MTC231	I	MTC231	543	1/9	
MTC241	I	MTC241	544	1/9	
MTC251	I	MTC251	545	1/9	
MTC261	I	MTC261	546	1/9	
MTC271	I	MTC271	547	1/9	
MTC281	I	MTC281	549	1/9	
MTC291	I	MTC291	550	1/9	
MTC301	I	MTC301	551	1/9	
MTC311	I	MTC311	553	1/9	
MTC321	I	MTC321	454	1/8	
MTC331	I	MTC331	455	1/8	
MTC341	I	MTC341	554	1/8	
MTC351	I	MTC351	555	1/8	
PINTO	O	PINTO	500	1/8, 4/1	
PONLO	I	PONLO	420	1/9	
PTRSTO	O	PTRSTO	400	1/8, 4/1	
P5VA	PWR	VCC	000	1/1	
	PWR	VCC	024	1/1	
	PWR	VCC	032	1/1	
	PWR	VCC	056	1/1	
	PWR	VCC	100	1/1	
	PWR	VCC	124	1/1	
	PWR	VCC	132	1/1	
	PWR	VCC	156	1/1	
	PWR	VCC	200	1/1	
	PWR	VCC	224	1/1	
	PWR	VCC	232	1/1	
	PWR	VCC	256	1/1	
REQAN	I	STPSWABN	418	TO PROC CONTROL FRAME CKT	
REQAP	I	STPSWABP	517	TO PROC CONTROL FRAME CKT	
STEPSO	O	STEPSO	121	1/5, 4/1	
STOPO	I	STOPO	023	1/9	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
STPCLRO	OT	STPCLRO	202	1/8	
STPSETO	O	STPSETO	201	1/8, 1/9	
STPSHO	I	STPSHO	502	4/1 1/8	
XCKAN	I	CLKAIN	415	TO PROC CONTROL FRAME CKT	
XCKAP	I	CLKAIP	514	TO PROC CONTROL FRAME CKT	

PART OF FS 3
SYMBOL(S) 1

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		02	5D
BELL LABORATORIES	SD-4098-01	B#308	

PART OF FS 4
UTILITY CIRCUIT

SYMBOL NO. 1
MICROLEVEL TEST SET INTERFACE
UN16

SYMBOL NO. 1 (CONT)
MICROLEVEL TEST SET INTERFACE
UN16

SYMBOL NO. 1 (CONT)
MICROLEVEL TEST SET INTERFACE
UN16

SYMBOL NO. 1 (CONT)
MICROLEVEL TEST SET INTERFACE
UN16

DESIG EOPT CODE ELEM OPT
LOC LOC UN16(NOTE 305) IDENT
MLTS1 04-020 UN16(NOTE 305) A

DESIG EOPT CODE ELEM OPT
LOC LOC UN16(NOTE 305) IDENT
MLTS1 04-020 UN16(NOTE 305) A

DESIG EOPT CODE ELEM OPT
LOC LOC UN16(NOTE 305) IDENT
MLTS1 04-020 UN16(NOTE 305) A

DESIG EOPT CODE ELEM OPT
LOC LOC UN16(NOTE 305) IDENT
MLTS1 04-020 UN16(NOTE 305) A

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	
NC	I	CMR00	204					GRD	GRD	120		MLTMR0	10	MLTMR0	516		3/1	MSD351	10	MSD35B1	018		1/1	
	I	CMR10	206					GRD	GRD	134		MLTMR0	10	MLTMR0	220		1/1	MSD361	10	MSD36B1	037		1/1	
	I	CMR20	208					GRD	GRD	135		MLTMR0	10	MLTMR0	219		1/1	MSD371	10	MSD37B1	043		1/1	
BGBEN10	I	CMR30	210					GRD	GRD	139		MLTMR0	10	MLTMR0	215		1/1	MSD381	10	MSD38B1	145		1/1	
	I	WPS1PE10	213					GRD	GRD	140		MLTMR0	10	MLTMR0	123		1/1	MSD391	10	MSD39B1	052		1/1	
	I	BGBEN1B0	521		1/9			GRD	GRD	141		MPTC1	I	PRCLKIN	121		1/5	MSD401	10	MSD40B1	103		1/1	
BGBPP00	I	BGBPP0B0	509		1/9			GRD	GRD	151		MSA001	10	MSA00B1	301		1/1	MSD411	10	MSD41B1	010		1/1	
BGBPP10	I		510		1/9			GRD	GRD	153		MSA011	10	MSA01B1	302		1/1	MSD421	10	MSD42B1	111		1/1	
BGBPP20	I		511		1/9			GRD	GRD	155		MSA021	10	MSA02B1	303		1/1	MSD431	10	MSD43B1	019		1/1	
BGBRW0	I	BGBRW0B0	520		1/1			GRD	GRD	202		MSA031	10	MSA03B1	305		1/1	MSD441	10	MSD44B1	136		1/1	
BGB001	I	BGB001B1	253		1/1			GRD	GRD	205		MSA041	10	MSA04B1	306		1/1	MSD451	10	MSD45B1	142		1/1	
BGB011	I	BGB011B1	254		1/1			GRD	GRD	207		MSA051	10	MSA05B1	308		1/1	MSD461	10	MSD46B1	146		1/1	
BGB021	I	BGB021B1	255		1/1			GRD	GRD	209		MSA061	10	MSA06B1	309		1/1	MSD471	10	MSD47B1	053		1/1	
BGB031	I	BGB031B1	257		1/1			GRD	GRD	211		MSA071	10	MSA07B1	310		1/1	MSD481	10	MSD48B1	104		1/1	
BGB041	I	BGB041B1	258		1/1			GRD	GRD	212		MSA081	10	MSA08B1	311		1/1	MSD491	10	MSD49B1	106		1/1	
BGB051	I	BGB051B1	240		1/1			GRD	GRD	214		MSA091	10	MSA09B1	313		1/1	MSD501	10	MSD50B1	112		1/1	
BGB061	I	BGB061B1	241		1/1			GRD	GRD	218		MSA101	10	MSA10B1	315		1/1	MSD511	10	MSD51B1	020		1/1	
BGB071	I	BGB071B1	242		1/1			GRD	GRD	221		MSA111	10	MSA11B1	316		1/1	MSD521	10	MSD52B1	137		1/1	
BGB081	I	BGB081B1	244		1/1			GRD	GRD	222		MSA121	10	MSA12B1	318		1/1	MSD531	10	MSD53B1	143		1/1	
BGB091	I	BGB091B1	245		1/1			GRD	GRD	236		MSA131	10	MSA13B1	319		1/1	MSD541	10	MSD54B1	147		1/1	
BGB101	I	BGB101B1	246		1/1			GRD	GRD	239		MSA141	10	MSA14B1	320		1/1	MSD551	10	MSD55B1	054		1/1	
BGB111	I	BGB111B1	248		1/1			GRD	GRD	243		MSA151	10	MSA15B1	321		1/1	MSD561	10	MSD56B1	105		1/1	
BGB121	I	BGB121B1	249		1/1			GRD	GRD	247		MSA161	10	MSA16B1	323		1/1	MSD571	10	MSD57B1	108		1/1	
BGB131	I	BGB131B1	250		1/1			GRD	GRD	252		MSA171	10	MSA17B1	324		1/1	MSD581	10	MSD58B1	113		1/1	
BGB141	I	BGB141B1	251		1/1			GRD	GRD	300		MSD00	10	MSD00B0	023		1/1	MSD591	10	MSD59B1	021		1/1	
BGB151	I	BGB151B1	253		1/1			GRD	GRD	304		MSD001	10	MSD001B1	001		1/1	MSD601	10	MSD60B1	138		1/1	
BGB161	I	BGB161B1	333		1/1			GRD	GRD	307		MSD011	10	MSD011B1	005		1/1	MSD611	10	MSD61B1	144		1/1	
BGB171	I	BGB171B1	334		1/1			GRD	GRD	312		MSD021	10	MSD021B1	011		1/1	MSD621	10	MSD62B1	148		1/1	
BGB181	I	BGB181B1	336		1/1			GRD	GRD	314		MSD031	10	MSD031B1	115		1/1	MSD631	10	MSD63B1	055		1/1	
BGB191	I	BGB191B1	337		1/1			GRD	GRD	317		MSD041	10	MSD041B1	033		1/1	MTCEN00	10	MTCEN00B0	417		3/1	
BGB201	I	BGB201B1	338		1/1			GRD	GRD	322		MSD051	10	MSD051B1	039		1/1	MTCEN10	10	MTCEN10B0	422		3/1	
BGB211	I	BGB211B1	340		1/1			GRD	GRD	332		MSD061	10	MSD061B1	045		1/1	MTCENL01	10	MTCENL01B1	418		3/1	
BGB221	I	BGB221B1	341		1/1			GRD	GRD	335		MSD071	10	MSD071B1	149		1/1	MTCENL11	10	MTCENL11B1	420		3/1	
BGB231	I	BGB231B1	342		1/1			GRD	GRD	339		MSD081	10	MSD081B1	002		1/1	MTC001	10	MTC001B1	433		1/8	
BGB241	I	BGB241B1	343		1/1			GRD	GRD	344		MSD091	10	MSD091B1	006		1/1	MTC011	10	MTC011B1	434		1/8	
BGB251	I	BGB251B1	345		1/1			GRD	GRD	347		MSD101	10	MSD101B1	012		1/1	MTC021	10	MTC021B1	435		1/8	
BGB261	I	BGB261B1	346		1/1			GRD	GRD	351		MSD111	10	MSD111B1	116		1/1	MTC031	10	MTC031B1	437		1/8	
BGB271	I	BGB271B1	348		1/1			GRD	GRD	409		MSD121	10	MSD121B1	034		1/1	MTC041	10	MTC041B1	438		1/8	
BGB281	I	BGB281B1	349		1/1			GRD	GRD	419		MSD131	10	MSD131B1	040		1/1	MTC051	10	MTC051B1	440		1/8	
BGB291	I	BGB291B1	350		1/1			GRD	GRD	424		MSD141	10	MSD141B1	046		1/1	MTC061	10	MTC061B1	441		1/8	
BGB301	I	BGB301B1	352		1/1			GRD	GRD	436		MSD151	10	MSD151B1	150		1/1	MTC071	10	MTC071B1	442		1/8	
BGB311	I	BGB311B1	353		1/1			GRD	GRD	439		MSD161	10	MSD161B1	003		1/1	MTC081	10	MTC081B1	444		1/8	
BGB321	I	BGB321B1	254		1/1			GRD	GRD	443		MSD171	10	MSD171B1	007		1/1	MTC091	10	MTC091B1	445		1/8	
BGB331	I	BGB331B1	255		1/1			GRD	GRD	446		MSD181	10	MSD181B1	013		1/1	MTC101	10	MTC101B1	447		1/8	
BGB341	I	BGB341B1	354		1/1			GRD	GRD	453		MSD191	10	MSD191B1	118		1/1	MTC111	10	MTC111B1	448		1/8	
BGB351	I	BGB351B1	355		1/1			GRD	GRD	456		MSD201	10	MSD201B1	035		1/1	MTC121	10	MTC121B1	449		1/8	
CK1N0	I	CK1N0B0	154		1/8			GRD	GRD	524		MSD211	10	MSD211B1	041		1/1	MTC131	10	MTC131B1	450		1/8	
CLRER0	I	CLRER0B0	407		3/1			GRD	GRD	537		MSD221	10	MSD221B1	047		1/1	MTC141	10	MTC141B1	451		1/8	
OPMRLR0	I	OPMRLR0B0	523		1/8			GRD	GRD	541		MSD231	10	MSD231B1	050		1/1	MTC151	10	MTC151B1	452		1/8	
URD04020	I		004					GRD	GRD	548		MSD241	10	MSD241B1	101		1/1	MTC161	10	MTC161B1	533		1/9	
	I		016					GRD	GRD	552		MSD251	10	MSD251B1	008		1/1							
	I		038					GRD	GRD	556		MSD261	10	MSD261B1	014		1/1							
	I		044					GRD	GRD	217		MSD271	10	MSD271B1	017		1/1							
	I		049					GRD	GRD	216		MSD281	10	MSD281B1	036		1/1							
	I		107					GRD	GRD	416		MSD291	10	MSD291B1	042		1/1							
	I		109					GRD	GRD	522		MSD301	10	MSD301B1	048		1/1							
	I		110					GRD	GRD	514		MSD311	10	MSD311B1	051		1/1							
	I		114					GRD	GRD	122														

PART OF FS 4
UTILITY CIRCUIT

SYMBOL NO. 1 (CONT)
MICROLEVEL TEST SET INTERFACE
UN16

SYMBOL NO. 2 (CONT)
UTILITY CIRCUIT

SYMBOL NO. 2 (CONT)
UTILITY CIRCUIT

SYMBOL NO. 2 (CONT)
UTILITY CIRCUIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
MLTSI	04-020	UN16(NOTE 305)	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
UC	04-118	UN218	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
UC	04-118	UN218	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
UC	04-118	UN218	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
MTC171	10	MTC17B1	535		1/9	
MTC181	10	MTC18B1	536		1/9	
MTC191	10	MTC19B1	538		1/9	
MTC201	10	MTC20B1	539		1/9	
MTC211	10	MTC21B1	540		1/9	
MTC221	10	MTC22B1	542		1/9	
MTC231	10	MTC23B1	543		1/9	
MTC241	10	MTC24B1	544		1/9	
MTC251	10	MTC25B1	545		1/9	
MTC261	10	MTC26B1	546		1/9	
MTC271	10	MTC27B1	547		1/9	
MTC281	10	MTC28B1	549		1/9	
MTC291	10	MTC29B1	550		1/9	
MTC301	10	MTC30B1	551		1/9	
MTC311	10	MTC31B1	553		1/9	
MTC321	10	MTC32B1	454		1/6	
MTC331	10	MTC33B1	455		1/6	
MTC341	10	MTC34B1	554		1/6	
MTC351	10	MTC35B1	555		1/6	
PINTO	10	PINTB0	412		3/1	
PTSTO	10	PTSTB0	356		3/1	
PSVA	PWR		000		1/1	
	PWR		024		1/1	
	PWR		032		1/1	
	PWR		056		1/1	
	PWR		100		1/1	
	PWR		124		1/1	
	PWR		132		1/1	
	PWR		156		1/1	
	PWR		200		1/1	
	PWR		224		1/1	
	PWR		232		1/1	
	PWR		256		1/1	
STEP0	10	STEPB0	421		3/1	
STOPO	10	STOPB0	423		1/9	
STPCLR0	10	STPCLR0	532		1/8	
STPSET0	10	STPSETB0	133		3/1	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
BGBPP10	1	BGBPP110	202		1/9	
BGBPP20	1	BGBPP210	203		1/9	
BGBPP30	1	BGBPP310	204		1/9	
BGBRS00	1	BGBRS010	206		1/9	
BGBRS10	1	BGBRS110	207		1/9	
BGBRS20	1	BGBRS210	208		1/9	
BGBRW0	1	BGBRW10	211		1/1	
BGB001	10	BGB00B1	033		1/1	
BGB011	10	BGB01B1	034		1/1	
BGB021	10	BGB02B1	035		1/1	
BGB031	10	BGB03B1	037		1/1	
BGB041	10	BGB04B1	038		1/1	
BGB051	10	BGB05B1	040		1/1	
BGB061	10	BGB06B1	041		1/1	
BGB071	10	BGB07B1	042		1/1	
BGB081	10	BGB08B1	044		1/1	
BGB091	10	BGB09B1	045		1/1	
BGB101	10	BGB10B1	046		1/1	
BGB111	10	BGB11B1	048		1/1	
BGB121	10	BGB12B1	049		1/1	
BGB131	10	BGB13B1	050		1/1	
BGB141	10	BGB14B1	051		1/1	
BGB151	10	BGB15B1	053		1/1	
BGB161	10	BGB16B1	133		1/1	
BGB171	10	BGB17B1	134		1/1	
BGB181	10	BGB18B1	136		1/1	
BGB191	10	BGB19B1	137		1/1	
BGB201	10	BGB20B1	138		1/1	
BGB211	10	BGB21B1	140		1/1	
BGB221	10	BGB22B1	141		1/1	
BGB231	10	BGB23B1	142		1/1	
BGB241	10	BGB24B1	143		1/1	
BGB251	10	BGB25B1	145		1/1	
BGB261	10	BGB26B1	146		1/1	
BGB271	10	BGB27B1	148		1/1	
BGB281	10	BGB28B1	149		1/1	
BGB291	10	BGB29B1	150		1/1	
BGB301	10	BGB30B1	152		1/1	
BGB311	10	BGB31B1	154		1/1	
BRANCH0	1	BRANCH0	220		1/11	
CAA110	1	CAA1110	536		1/12	
CAA120	1	CAA1210	538		1/12	
CAA130	1	CAA1310	539		1/12	
CAA140	1	CAA1410	540		1/12	
CAA150	1	CAA1510	542		1/12	
CAA160	1	CAA1610	543		1/12	
CAA170	1	CAA1710	544		1/12	
CAA180	1	CAA1810	545		1/12	
CAA190	1	CAA1910	546		1/12	
CAA200	1	CAA2010	547		1/12	
CAA210	1	CAA2110	549		1/12	
CAA220	1	CAA2210	550		1/12	
CAA230	1	CAA2310	551		1/12	
CAB110	1	CAB1110	436		1/12	
CAB120	1	CAB1210	437		1/12	
CAB130	1	CAB1310	438		1/12	
CAB140	1	CAB1410	440		1/12	
CAB150	1	CAB1510	441		1/12	
CAB160	1	CAB1610	442		1/12	
CAB170	1	CAB1710	444		1/12	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
CAB180	1	CAB1810	445		1/12	
CAB190	1	CAB1910	447		1/12	
CAB200	1	CAB2010	448		1/12	
CAB210	1	CAB2110	449		1/12	
CAB220	1	CAB2210	450		1/12	
CAB230	1	CAB2310	451		1/12	
CA000	1	CA0010	335		1/11	
CA010	1	CA0110	334		1/11	
CA020	1	CA0210	336		1/11	
CA030	1	CA0310	337		1/11	
CA040	1	CA0410	338		1/11	
CA050	1	CA0510	340		1/11	
CA060	1	CA0610	341		1/11	
CA070	1	CA0710	342		1/11	
CA080	1	CA0810	533		1/12	
CA090	1	CA0910	534		1/12	
CA100	1	CA1010	535		1/12	
CD001	1	CD00B1	001		1/10	
CD011	1	CD01B1	002		1/10	
CD021	1	CD02B1	003		1/10	
CD031	1	CD03B1	004		1/10	
CD041	1	CD04B1	006		1/10	
CD051	1	CD05B1	007		1/10	
CD061	1	CD06B1	008		1/10	
CD071	1	CD07B1	010		1/10	
CD081	1	CD08B1	011		1/10	
CD091	1	CD09B1	013		1/10	
CD101	1	CD10B1	014		1/10	
CD111	1	CD11B1	015		1/10	
CD121	1	CD12B1	017		1/10	
CD131	1	CD13B1	018		1/10	
CD141	1	CD14B1	020		1/10	
CD151	1	CD15B1	021		1/10	
CD161	1	CD16B1	101		1/10	
CD171	1	CD17B1	103		1/10	
CD181	1	CD18B1	104		1/10	
CD191	1	CD19B1	105		1/10	
CD201	1	CD20B1	106		1/10	
CD211	1	CD21B1	107		1/10	
CD221	1	CD22B1	108		1/10	
CD231	1	CD23B1	110		1/10	
CD241	1	CD24B1	111		1/10	
CD251	1	CD25B1	113		1/10	
CD261	1	CD26B1	114		1/10	
CD271	1	CD27B1	116		1/10	
CD281	1	CD28B1	117		1/10	
CD291	1	CD29B1	118		1/10	
CD301	1	CD30B1	120		1/10	
CD311	1	CD31B1	121		1/10	
CPMB	10	PCPRA	222		1/10	
CPPB	10	PCPRB	022		1/10	
CPWCLR0	1	PZCLR10	245		1/8	
FTCHO	1	FTCHO	235		1/5	
GRD04118	GRD	GRD	005			
	GRD	GRD	009			
	GRD	GRD	012			
	GRD	GRD	016			
	GRD	GRD	019			
	GRD	GRD	036			
	GRD	GRD	039			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	0	BTF000	400			
	0	BTF100	401			
	0	BTF200	402			
	0	BTF300	403			
	1	MCNREL10	238			
	1	EXTIN10	405			
BGBEN30	GRD	GRD	304		1/9	
BGBPP00	1	BGBPP310	210		1/9	
	1	BGBPP010	201		1/9	

PART OF FS 4
SYMBOL(S) 1 2

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		C2	1
BELL LABORATORIES	SD-4C098-01	B#4CB	

PART OF FS 4
UTILITY CIRCUIT

SYMBOL NO. 2 (CONT)
UTILITY CIRCUIT

DESIG	EDPT	CODE	ELEM	OPT
UC	04-118	UN218	A	

LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE
	GRD	GRD	502		
	GRD	GRD	510		
	GRD	GRD	515		
	GRD	GRD	524		
	GRD	GRD	537		
	GRD	GRD	541		
	GRD	GRD	548		
MRFO	GRD	GRD	556		
OPCCAO	I	MRF10	219	3/1	
	I	OPCC10	244	1/10	
PSVB	PWR	VCC	000	1/8	
	PWR	VCC	024	1/8	
	PWR	VCC	032	1/8	
	PWR	VCC	056	1/8	
	PWR	VCC	100	1/8	
	PWR	VCC	124	1/8	
	PWR	VCC	132	1/8	
	PWR	VCC	156	1/8	
	PWR	VCC	200	1/8	
	PWR	VCC	224	1/8	
	PWR	VCC	232	1/8	
	PWR	VCC	256	1/8	
SAR111	I	SAR1111	505	1/11	
SAR121	I	SAR1211	506	1/11	
SAR131	I	SAR1311	507	1/11	
SAR141	I	SAR1411	508	1/11	
SAR151	I	SAR1511	509	1/11	
SAR161	I	SAR1611	511	1/11	
SAR171	I	SAR1711	512	1/11	
SAR181	I	SAR1811	513	1/11	
SAR191	I	SAR1911	514	1/11	
SAR201	I	SAR2011	516	1/11	
SAR211	I	SAR2111	517	1/11	
SAR221	I	SAR2211	518	1/11	
SAR231	I	SAR2311	519	1/11	
SCR111	I	BOHUS10	213	1/8	
SCR161	I	ACSE10	234	1/5	
SCR211	I	BYTE10	240	1/11	
SCR221	I	HALF10	242	1/11	
STPSW0	I	STPSW10	246	1/8	
TAA071	I	TAA0711	433	1/12	
TAA081	I	TAA0811	434	1/12	
TAA091	I	TAA0911	435	1/12	
THITA1	I	THITA11	255	1/12	
THITB1	I	THITB11	235	1/12	
UTLINT00	O	UTLINT00	217	1/8	
WRIT0	I	READ11	237	1/5	

PART OF FS 4
SYMBOL(S) 2

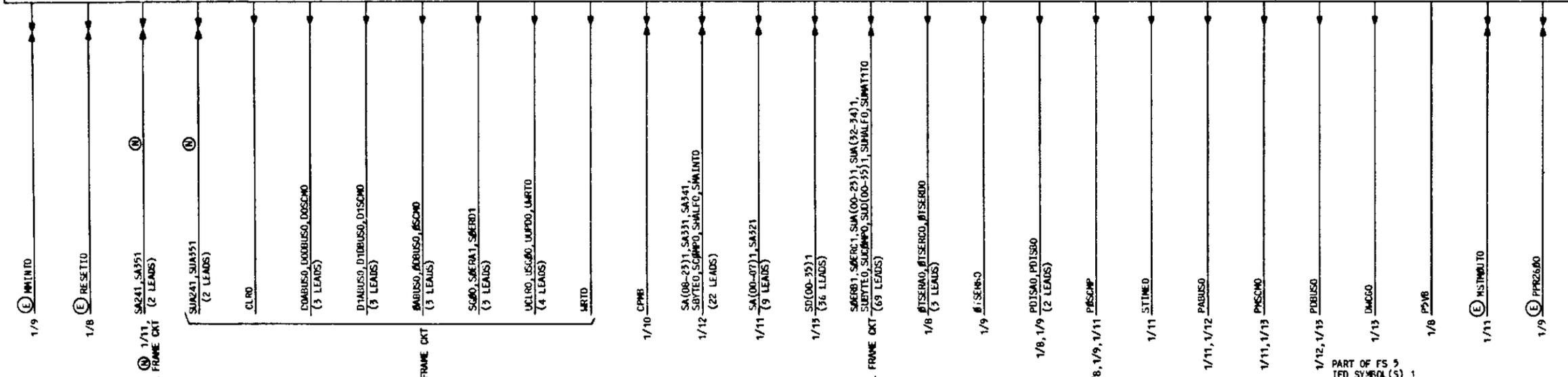
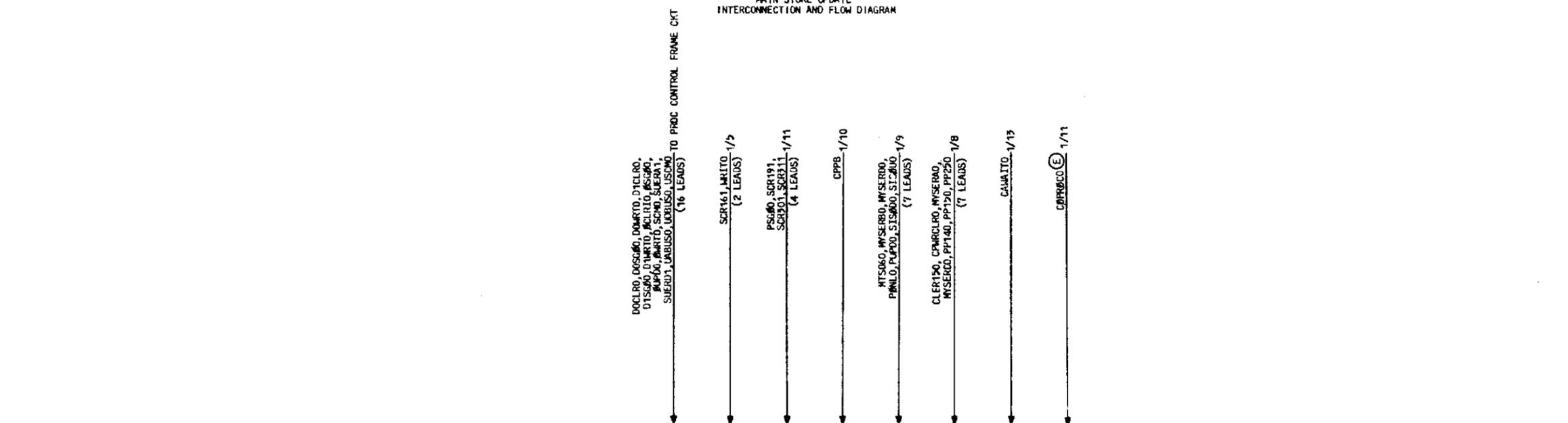
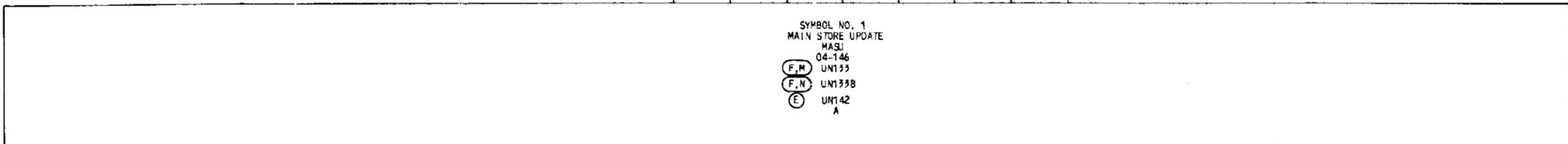
CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		c2	1
BELL LABORATORIES	SD-4C098-01	B#4CC	

PRINTED IN U. S. A.

07/16/62

PART OF FS 5

MAIN STORE UPDATE
INTERCONNECTION AND FLOW DIAGRAM



PART OF FS 5
IFD SYMBOL (S) 1

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		88	13B
AT&T BELL LABORATORIES		SD-4C098-01	B# 5AA

PART OF FS 5
MAIN STORE UPDATE

SYMBOL NO. 1 MAIN STORE UPDATE						SYMBOL NO. 1 (CONT) MAIN STORE UPDATE						SYMBOL NO. 1 (CONT) MAIN STORE UPDATE						SYMBOL NO. 1 (CONT) MAIN STORE UPDATE									
DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT		DESIG	EOPT LOC	CODE	ELEM IDENT	OPT					
MASU	04-146	UN133	A	(F,M)		MASU	04-146	UN133	A	(F,M)		MASU	04-146	UN133	A	(F,M)		MASU	04-146	UN133	A	(F,M)					
MASU	04-146	UN133B	A	(F,N)		MASU	04-146	UN133B	A	(F,N)		MASU	04-146	UN133B	A	(F,N)		MASU	04-146	UN133B	A	(F,N)					
MASU	04-146	UN142	A	(E)		MASU	04-146	UN142	A	(E)		MASU	04-146	UN142	A	(E)		MASU	04-146	UN142	A	(E)					
LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	0	GOTERA00	115				GRD	GRD	GRD	221				OTSERB00	0	OTSERB00	213		1/9		SA331	10	SA33B1	054		1/12	
	0	PODISA00	436				GRD	GRD	GRD	234				OTSERC00	0	OTSERC00	113		1/8		SA341	10	SA34B1	542		1/12	
	0	PODISB00	437				GRD	GRD	GRD	236				OTSERD00	0	OTSERD00	144		1/8		SA351	10	SA35B1	042	(N)	(N) 1/11	TO PROC CONTROL FRAME CKT
	I	UDNXT01	138				GRD	GRD	GRD	239				OUPD0	10	OUPD10	140			TO PROC CONTROL FRAME CKT	SBYTE0	10	SBYTE0	039		1/12	TO PROC CONTROL FRAME CKT
	I	ODNXT11	238				GRD	GRD	GRD	243			TO PROC CONTROL FRAME CKT	OVRT0	10	OVRT10	342			TO PROC CONTROL FRAME CKT	SCM0	I	SCM10	035		1/12	TO PROC CONTROL FRAME CKT
	I	OINT10	355				GRD	GRD	GRD	247				PABUS0	0	PABUS00	433		1/11, 1/12		SCOMP0	10	SCOMP0	041		1/12	
	I	PUDISA10	336				GRD	GRD	GRD	248				POBUS0	0	POBUS00	333		1/12, 1/13		SCR161	I	CG010	423		1/11	
	I	PUDISB10	337				GRD	GRD	GRD	252				POISA0	10	POISA00	444		1/8, 1/9		SCR191	I	PLCR10	212		1/11	
	I	OINT00	435				GRD	GRD	GRD	253				POISB0	10	POISB00	244		1/8, 1/9		SCR301	I	POST10	013		1/11	
CAWAIT0	I	CACHNT0	400		1/13		GRD	GRD	GRD	300				PHSCM0	10	PHSCM00	323		1/11, 1/13		SCR311	I	MAINT10	523		1/11	
CLER150	I	CLRTM10	255		1/8	TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	304				PONL0	I	PONL10	123		1/9		SD001	10	SD00B1	515		1/13	
CLRO	10	CLRO0	037		1/13	TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	307				POSCMP	0	POSCM00	223		1/8, 1/9		SD011	10	SD01B1	517		1/13	
COPROCO	I	COPROCO	514	(E)	(E) 1/11		GRD	GRD	GRD	312				PPR2600	10	PPR2610	011	(E)	(E) 1/9		SD021	10	SD02B1	519		1/13	
CPMB	10	PCPRA	455		1/10		GRD	GRD	GRD	314				PP140	10	PP1410	543		1/8		SD031	10	SD03B1	521		1/13	
CPPB	10	PCPRB	355		1/10		GRD	GRD	GRD	317				PP150	10	PP1510	545		1/8		SD041	10	SD04B1	501		1/13	
CPWRCLRO	I	XPWRCLRB	500		1/8		GRD	GRD	GRD	319				PP250	I	SEPCLKIN	133		1/9		SD051	10	SD05B1	503		1/13	
DWCGO	0	PWRCLRI0	533		1/8		GRD	GRD	GRD	322				PSG00	I	PSG010	324		1/11		SD061	10	SD06B1	505		1/13	
	0	DWCGOB	513		1/13		GRD	GRD	GRD	332				PUPD0	I	PUPD10	043		1/9		SD071	10	SD07B1	507		1/13	
DBABUS0	0	DBABUS00	219			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	334				PSVB	PWR	VCC	000		1/8		SD081	10	SD08B1	015		1/13	
DBCLRO	I	DBCLRI0	214			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	339					PWR	VCC	024		1/8		SD091	10	SD09B1	017		1/13	
DOBUS0	0	DOBUS00	217			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	343					PWR	VCC	032		1/8		SD101	10	SD10B1	019		1/13	
						TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	344					PWR	VCC	056		1/8		SD111	10	SD11B1	021		1/13	
DBSCM0	0	DBSCM00	220			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	346					PWR	VCC	100		1/8		SD121	10	SD12B1	001		1/13	
DBSG00	I	DBSG010	222			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	347					PWR	VCC	124		1/8		SD131	10	SD13B1	003		1/13	
DOWRT0	I	DOWRT10	215			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	351					PWR	VCC	132		1/8		SD141	10	SD14B1	005		1/13	
						TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	405					PWR	VCC	156		1/8		SD151	10	SD15B1	007		1/13	
D1ABUS0	0	D1ABUS00	120			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	409					PWR	VCC	200		1/8		SD161	10	SD16B1	516		1/13	
D1CLRO	I	D1CLRI0	116			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	416					PWR	VCC	224		1/8		SD171	10	SD17B1	518		1/13	
D1DBUS0	0	D1DBUS00	118			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	419					PWR	VCC	232		1/8		SD181	10	SD18B1	520		1/13	
						TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	421					PWR	VCC	256		1/8		SD191	10	SD19B1	522		1/13	
D1SCM0	0	D1SCM00	121			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	424				RESET10	10	RESET10	201	(E)	(E) 1/8		SD201	10	SD20B1	502		1/13	
D1SG00	I	D1SG010	122			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	424				SA0B1	10	SA00B1	546		1/11		SD211	10	SD21B1	504		1/13	
D1WRT0	I	D1WRT10	117			TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	434				SA011	10	SA01B1	547		1/11		SD221	10	SD22B1	506		1/13	
						TO PROC CONTROL FRAME CKT	GRD	GRD	GRD	439				SA021	10	SA02B1	548		1/11		SD231	10	SD23B1	508		1/13	
GR004146	GRD	GRD	044				SA031	10	SA03B1	549				SA041	10	SA04B1	550		1/11		SD241	10	SD24B1	016		1/13	
	GRD	GRD	104				SA061	10	SA06B1	552				SA051	10	SA05B1	551		1/11		SD251	10	SD25B1	018		1/13	
	GRD	GRD	107				SA071	10	SA07B1	553				SA061	10	SA06B1	552		1/11		SD261	10	SD26B1	020		1/13	
	GRD	GRD	109				MINT0	10	S150900	511	(E)	1/9		SA071	10	SA07B1	553		1/11		SD271	10	SD27B1	022		1/13	
	GRD	GRD	112				MSTHOUT0	10	MSTHOUT0	101	(E)	(E) 1/11		SA081	10	SA08B1	046		1/12		SD281	10	SD28B1	002		1/13	
	GRD	GRD	114				MYSERAD	I	MYSERAD10	555		1/8		SA091	10	SA09B1	047		1/12		SD291	10	SD29B1	004		1/13	
	GRD	GRD	119				MYSERB0	I	MYSERB10	055		1/9		SA101	10	SA10B1	048		1/12		SD301	10	SD30B1	006		1/13	
	GRD	GRD	134				MYSERC0	I	MYSERC10	023		1/8		SA111	10	SA11B1	049		1/12		SD311	10	SD31B1	008		1/13	
	GRD	GRD	136				MYSERD0	I	MYSERD10	014		1/9		SA121	10	SA12B1	050		1/12		SD321	10	SD32B1	509		1/13	
	GRD	GRD	139				OABUS0	10	OABUS00	242			TO PROC CONTROL FRAME CKT	SA131	10	SA13B1	051		1/12		SD331	10	SD33B1	009		1/13	
	GRD	GRD	143				OCLRI0	10	OCLRI0	341			TO PROC CONTROL FRAME CKT	SA141	10	SA14B1	052		1/12		SD341	10	SD34B1	510		1/13	
	GRD	GRD	146				OBUS0	10	OBUS00	241			TO PROC CONTROL FRAME CKT	SA151	10	SA15B1	053		1/12								
	GRD	GRD	151				OSCH0	10	OSCH00	137			TO PROC CONTROL FRAME CKT	SA161	10	SA16B1	534		1/12								
	GRD	GRD	153				OSG00	10	OSG010	135			TO PROC CONTROL FRAME CKT	SA171	10	SA17B1	535		1/12								
	GRD	GRD	205				OTSERAO	10	OTSERAO0	012			1/8	SA181	10	SA18B1	536		1/12								
	GRD	GRD	209											SA191	10	SA19B1	537		1/12								
	GRD	GRD	216											SA201	10	SA20B1	538		1/12								
	GRD	GRD	218											SA211	10	SA21B1	539		1/12								
														SA221	10	SA22B1	540		1/12								
														SA231	10	SA23B1	541		1/12								
														SA241	10	SA24B1	034	(N)	(N) 1/11	TO PROC CONTROL FRAME CKT							
														SA321	10	SA32B1	554		1/11								

PART OF FS 5
SYMBOL(S) 1

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		02	138
AT&T BELL LABORATORIES	SD-40098-01	B#5CA	

PRINTED IN U. S. A. 03/21/85

PART OF FS 5
MAIN STORE UPDATE

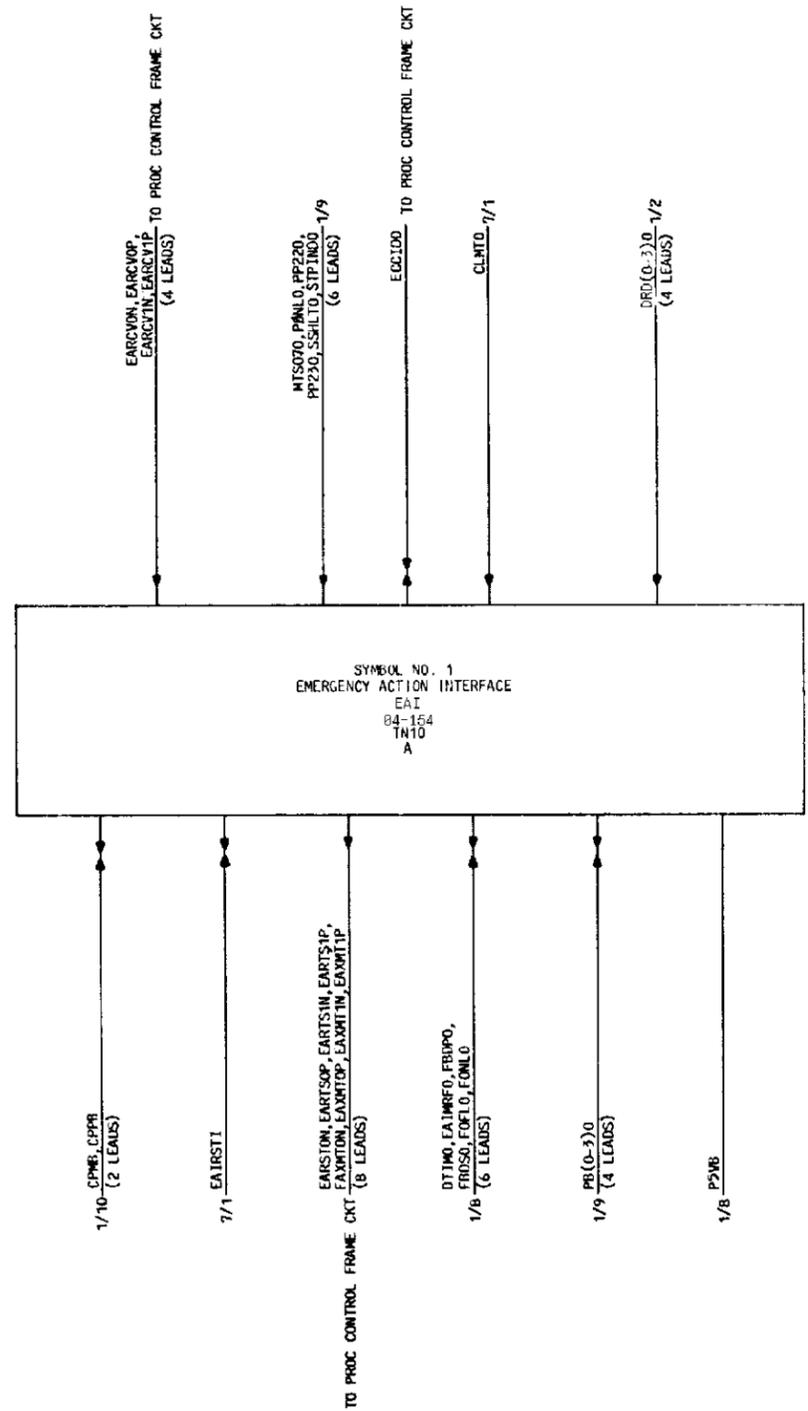
SYMBOL NO. 1 (CONT) MAIN STORE UPDATE							SYMBOL NO. 1 (CONT) MAIN STORE UPDATE							SYMBOL NO. 1 (CONT) MAIN STORE UPDATE										
DESIG	EQPT LOC	CODE	ELEM IDENT	OPT			DESIG	EQPT LOC	CODE	ELEM IDENT	OPT				DESIG	EQPT LOC	CODE	ELEM IDENT	OPT					
MASU	04-146	UN133	A	(F,M)			MASU	04-146	UN133	A	(F,M)				MASU	04-146	UN133	A	(F,M)					
MASU	04-146	UN133B	A	(F,N)			MASU	04-146	UN133B	A	(F,N)				MASU	04-146	UN133B	A	(F,N)					
MASU	04-146	UN142	A	(E)			MASU	04-146	UN142	A	(E)				MASU	04-146	UN142	A	(E)					

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE				
SG00	10	SG00C	033		TO PROC CONTROL FRAME CKT		SUA321	10	SUA32B1	254		TO PROC CONTROL FRAME CKT		SUD271	10	SUD27B1	313		TO PROC CONTROL FRAME CKT					
SHALFO	10	SHALFB0	038		1/12		SUA331	10	SUA33B1	250		TO PROC CONTROL FRAME CKT		SUD281	10	SUD28B1	202		TO PROC CONTROL FRAME CKT					
SIS000	I	SIS00I0	432		1/9		SUA341	10	SUA34B1	354		TO PROC CONTROL FRAME CKT		SUD291	10	SUD29B1	203		TO PROC CONTROL FRAME CKT					
SIS000	I	SIS00I0	532		1/9		SUA351	10	SUA35B1	316	(N)	TO PROC CONTROL FRAME CKT		SUD301	10	SUD30B1	204		TO PROC CONTROL FRAME CKT					
SMANT0	10	SMANTB0	040		1/12		SUBYTE0	10	SUBYTEB0	320		TO PROC CONTROL FRAME CKT		SUD311	10	SUD31B1	206		TO PROC CONTROL FRAME CKT					
SOERA1	10	SOERA01	440		TO PROC CONTROL FRAME CKT		SUCOMP0	10	SUCOMP00	318		TO PROC CONTROL FRAME CKT		SUD321	10	SUD32B1	413		TO PROC CONTROL FRAME CKT					
SOERB1	10	SOERB01	422		TO PROC CONTROL FRAME CKT		SUD001	10	SUD00B1	407		TO PROC CONTROL FRAME CKT		SUD331	10	SUD33B1	414		TO PROC CONTROL FRAME CKT					
SOERC1	10	SOERC01	321		TO PROC CONTROL FRAME CKT		SUD011	10	SUD01B1	408		TO PROC CONTROL FRAME CKT		SUD341	10	SUD34B1	415		TO PROC CONTROL FRAME CKT					
SOERD1	10	SOERD01	438		TO PROC CONTROL FRAME CKT		SUD021	10	SUD02B1	410		TO PROC CONTROL FRAME CKT		SUD351	10	SUD35B1	315		TO PROC CONTROL FRAME CKT					
STIME0	10	TIMOUT00	155		1/11		SUD031	10	SUD03B1	411		TO PROC CONTROL FRAME CKT		SUERA1	10	SUERA11	340		TO PROC CONTROL FRAME CKT					
SUA001	10	SUA00B1	146		TO PROC CONTROL FRAME CKT		SUD041	10	SUD04B1	302		TO PROC CONTROL FRAME CKT		SUERD1	10	SUERD11	338		TO PROC CONTROL FRAME CKT					
SUA011	10	SUA01B1	147		TO PROC CONTROL FRAME CKT		SUD051	10	SUD05B1	303		TO PROC CONTROL FRAME CKT		SUHALFO	10	SUHALFB0	418		TO PROC CONTROL FRAME CKT					
SUA021	10	SUA02B1	148		TO PROC CONTROL FRAME CKT		SUD061	10	SUD06B1	305		TO PROC CONTROL FRAME CKT		SUMANT0	10	SUMANTB0	420		TO PROC CONTROL FRAME CKT					
SUA031	10	SUA03B1	149		TO PROC CONTROL FRAME CKT		SUD071	10	SUD07B1	306		TO PROC CONTROL FRAME CKT		UABUS0	10	UABUS10	142		TO PROC CONTROL FRAME CKT					
SUA041	10	SUA04B1	150		TO PROC CONTROL FRAME CKT		SUD081	10	SUD08B1	207		TO PROC CONTROL FRAME CKT		UCLRO	10	UCLR00	441		TO PROC CONTROL FRAME CKT					
SUA051	10	SUA05B1	152		TO PROC CONTROL FRAME CKT		SUD091	10	SUD09B1	208		TO PROC CONTROL FRAME CKT		UDBUS0	10	UDBUS10	141		TO PROC CONTROL FRAME CKT					
SUA061	10	SUA06B1	154		TO PROC CONTROL FRAME CKT		SUD101	10	SUD10B1	210		TO PROC CONTROL FRAME CKT		USCH0	10	USCH10	237		TO PROC CONTROL FRAME CKT					
SUA071	10	SUA07B1	251		TO PROC CONTROL FRAME CKT		SUD111	10	SUD11B1	211		TO PROC CONTROL FRAME CKT		USG00	10	USG000	235		TO PROC CONTROL FRAME CKT					
SUA081	10	SUA08B1	345		TO PROC CONTROL FRAME CKT		SUD121	10	SUD12B1	102		TO PROC CONTROL FRAME CKT		UUPD0	10	UUPD00	240		TO PROC CONTROL FRAME CKT					
SUA091	10	SUA09B1	445		TO PROC CONTROL FRAME CKT		SUD131	10	SUD13B1	103		TO PROC CONTROL FRAME CKT		UWRTO	10	UWRTO0	442		TO PROC CONTROL FRAME CKT					
SUA101	10	SUA10B1	446		TO PROC CONTROL FRAME CKT		SUD141	10	SUD14B1	105		TO PROC CONTROL FRAME CKT		WRITO	I	PHRT10	412		1/11					
SUA111	10	SUA11B1	447		TO PROC CONTROL FRAME CKT		SUD151	10	SUD15B1	106		TO PROC CONTROL FRAME CKT		WRTO	10	WRTO0	036		TO PROC CONTROL FRAME CKT					
SUA121	10	SUA12B1	348		TO PROC CONTROL FRAME CKT		SUD161	10	SUD16B1	308		TO PROC CONTROL FRAME CKT												
SUA131	10	SUA13B1	349		TO PROC CONTROL FRAME CKT		SUD171	10	SUD17B1	309		TO PROC CONTROL FRAME CKT												
SUA141	10	SUA14B1	246		TO PROC CONTROL FRAME CKT		SUD181	10	SUD18B1	310		TO PROC CONTROL FRAME CKT												
SUA151	10	SUA15B1	249		TO PROC CONTROL FRAME CKT		SUD191	10	SUD19B1	311		TO PROC CONTROL FRAME CKT												
SUA161	10	SUA16B1	449		TO PROC CONTROL FRAME CKT		SUD201	10	SUD20B1	402		TO PROC CONTROL FRAME CKT												
SUA171	10	SUA17B1	350		TO PROC CONTROL FRAME CKT		SUD211	10	SUD21B1	403		TO PROC CONTROL FRAME CKT												
SUA181	10	SUA18B1	450		TO PROC CONTROL FRAME CKT		SUD221	10	SUD22B1	404		TO PROC CONTROL FRAME CKT												
SUA191	10	SUA19B1	451		TO PROC CONTROL FRAME CKT		SUD231	10	SUD23B1	406		TO PROC CONTROL FRAME CKT												
SUA201	10	SUA20B1	352		TO PROC CONTROL FRAME CKT		SUD241	10	SUD24B1	108		TO PROC CONTROL FRAME CKT												
SUA211	10	SUA21B1	452		TO PROC CONTROL FRAME CKT		SUD251	10	SUD25B1	110		TO PROC CONTROL FRAME CKT												
SUA221	10	SUA22B1	353		TO PROC CONTROL FRAME CKT		SUD261	10	SUD26B1	111		TO PROC CONTROL FRAME CKT												
SUA231	10	SUA23B1	454		TO PROC CONTROL FRAME CKT																			
SUA241	10	SUA24B1	417	(N)	TO PROC CONTROL FRAME CKT																			

PART OF FS 5
SYMBOL(S) 1

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		α	13B
AT&T BELL LABORATORIES		SD-4C098-01	B#5CB

PART OF FS 6
 EMERGENCY ACTION INTERFACE
 INTERCONNECTION AND FLOW DIAGRAM



PART OF FS 6
 IFO SYMBOL(S) 1

CENTRAL PROCESSING UNIT		OWB SIZE	ISSUE
		88	2A
BELL LABORATORIES	SD-4098-01	B# 6AA	

PART OF FS 6
EMERGENCY ACTION INTERFACE

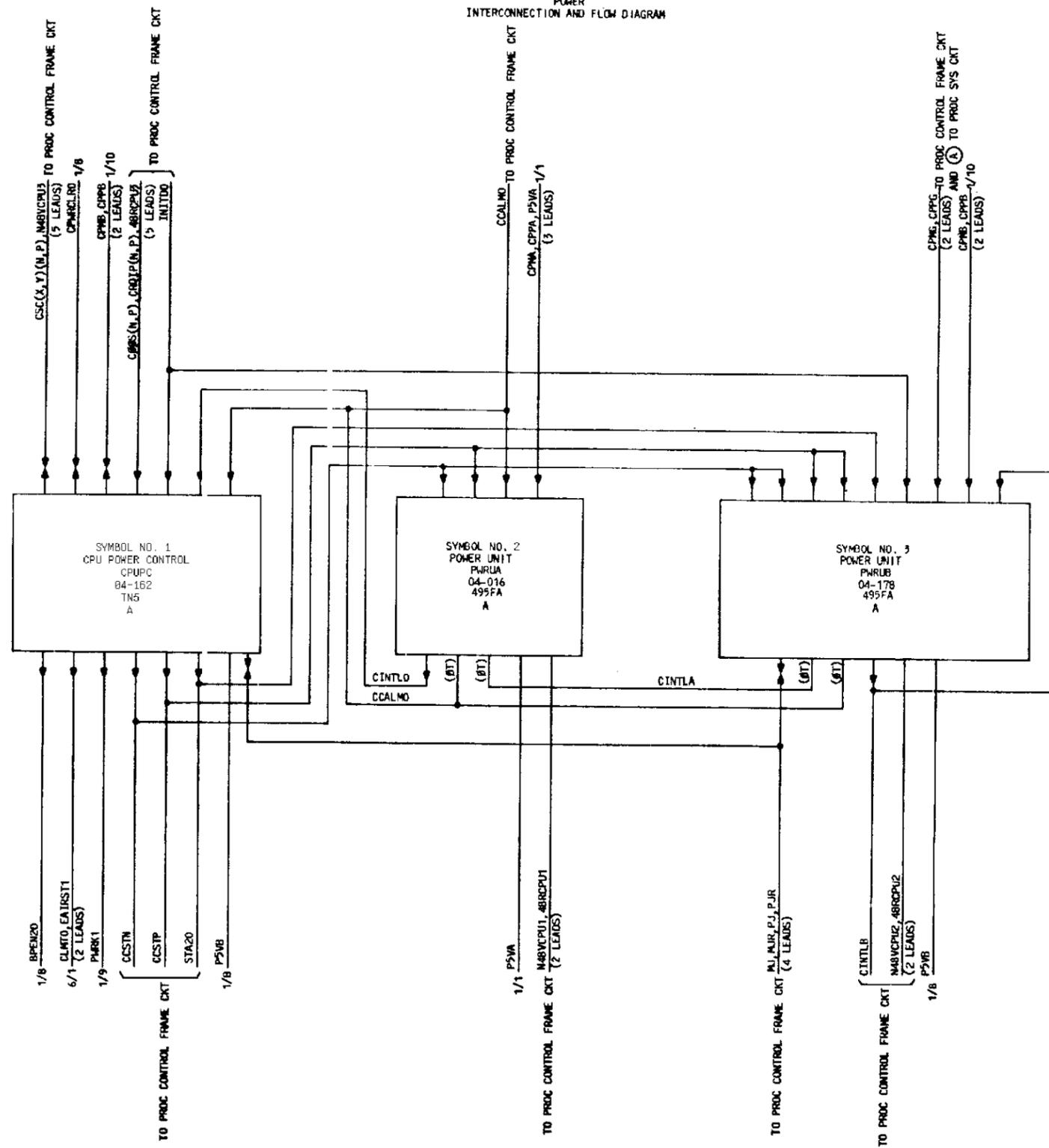
SYMBOL NO. 1 EMERGENCY ACTION INTERFACE							SYMBOL NO. 1 (CONT) EMERGENCY ACTION INTERFACE												
DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT	DESIG	EQPT LOC	CODE	ELEM IDENT	OPT					
EAI	04-154	TN10	A		EAI	04-154	TN10	A		EAI	04-154	TN10	A						
LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE	LEAD DESIG	FUNC	TERM. MOD	TERM. OPT	DESTINATION	NOTE		
NC	0	BPEN200	003				GRD	GRD	033				GRD	GRD	034				
	0	203ALM00	005				GRD	GRD	034				GRD	GRD	035				
	0	5NPM	007				GRD	GRD	036				GRD	GRD	037				
	0	5PA	008				GRD	GRD	038				GRD	GRD	039				
	0	12PPM	009				GRD	GRD	040				GRD	GRD	041				
	0	12PA	010				GRD	GRD	042				GRD	GRD	043				
	0	PWRDNO1	011				GRD	GRD	044				GRD	GRD	045				
	0	RUNDO	023				GRD	GRD	046				GRD	GRD	047				
	0	EAFN00	024				GRD	GRD	048				GRD	GRD	049				
	0	48R	102				GRD	GRD	050				GRD	GRD	051				
	0	0T00	104				GRD	GRD	052				GRD	GRD	053				
	0	5PPM	111				GRD	GRD	054				GRD	GRD	055				
	0	EALASH00	114				GRD	GRD	056				GRD	GRD	057				
	0	PWRCLRO	132				GRD	GRD	105				GRD	GRD	107				
	1	LPCLR1	001				GRD	GRD	109				GRD	GRD	112				
	1	FANRMV10	004				GRD	GRD	200				GRD	GRD	222				
	1	PWRSTRI	100				GRD	GRD	324				GRD	GRD	EA1MS10	156	1/9		
	1	INIT0	110				GRD	GRD	048				GRD	GRD	PB000	154	1/9		
	1	PWRDNO	133				GRD	GRD	051				GRD	GRD	PB100	155	1/9		
	1	PWRK1	134				GRD	GRD	052				GRD	GRD	PB200	141	1/9		
	1	BPEN0	135				GRD	GRD	053				GRD	GRD	PB300	145	1/9		
	1	BPEN0	345				GRD	GRD	054				GRD	GRD	PONL10	136	1/9		
ELMT0	1	LMT10	022		7/1		GRD	GRD	055				GRD	GRD	PP2210	149	1/9		
CPMB	10	PCPR8	106		1/10		GRD	GRD	056				GRD	GRD	PP2310	148	1/9		
CPPB	10	PCPRA	006		1/10		GRD	GRD	105				GRD	GRD	PSV8	PWR	VCC	000	1/8
DRD00	1	DRD010	143		1/12		GRD	GRD	107				GRD	GRD	PWR	VCC	124	1/8	
DRD10	1	DRD110	137		1/12		GRD	GRD	109				GRD	GRD	PWR	VCC	144	1/8	
DRD20	1	DRD210	138		1/12		GRD	GRD	112				GRD	GRD	PWR	VCC	344	1/8	
DRD30	1	DRD310	139		1/12		GRD	GRD	200				GRD	GRD	SSHLT10	140	1/9		
DTIM0	10	DTIM00	152		1/8		GRD	GRD	222				GRD	GRD	SSHLT10	142	1/9		
EAIMRFO	10	EAIMRFO0	153		1/8		GRD	GRD	324				GRD	GRD	STPJND0	1			
EAIRST1	10	EAIRST10	014		7/1		GRD	GRD	156				GRD	GRD					
EARCV0N	1	EARCV01N	020		TO PROC CONTROL FRAME CKT		GRD	GRD	154				GRD	GRD					
EARCV0P	1	EARCV01P	120		TO PROC CONTROL FRAME CKT		GRD	GRD	155				GRD	GRD					
EARCV1N	1	EARCV11N	017		TO PROC CONTROL FRAME CKT		GRD	GRD	141				GRD	GRD					
EARCV1P	1	EARCV11P	117		TO PROC CONTROL FRAME CKT		GRD	GRD	145				GRD	GRD					
EARTSON	0	EARTSO0N	019		TO PROC CONTROL FRAME CKT		GRD	GRD	136				GRD	GRD					
EARTSOP	0	EARTSO0P	119		TO PROC CONTROL FRAME CKT		GRD	GRD	149				GRD	GRD					
EARTS1N	0	EARTS10N	016		TO PROC CONTROL FRAME CKT		GRD	GRD	148				GRD	GRD					
EARTS1P	0	EARTS10P	116		TO PROC CONTROL FRAME CKT		GRD	GRD	148				GRD	GRD					
EAXMT0N	0	EAXMT00N	021		TO PROC CONTROL FRAME CKT		GRD	GRD	142				GRD	GRD					
EAXMT0P	0	EAXMT00P	121		TO PROC CONTROL FRAME CKT		GRD	GRD	142				GRD	GRD					
EAXMT1N	0	EAXMT10N	018		TO PROC CONTROL FRAME CKT		GRD	GRD	142				GRD	GRD					
EAXMT1P	0	EAXMT10P	118		TO PROC CONTROL FRAME CKT		GRD	GRD	142				GRD	GRD					
ECC100	10	CC100	122		TO PROC CONTROL FRAME CKT		GRD	GRD	142				GRD	GRD					
FBDP0	10	FBDP00	150		1/8		GRD	GRD	150				GRD	GRD					
FBD50	10	FBD500	151		1/8		GRD	GRD	151				GRD	GRD					
FOFLO	10	FOFLO0	146		1/8		GRD	GRD	146				GRD	GRD					
FONL0	10	FONL00	147		1/8		GRD	GRD	147				GRD	GRD					
GRD04154	GRD	GRD	012				GRD	GRD	012				GRD	GRD					
	GRD	GRD	032				GRD	GRD	032				GRD	GRD					

PART OF FS 6
SYMBOL(S) 1

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		C2	2A
BELL LABORATORIES	SD-4C098-01	B#6CA	

PART OF FS 7

POWER INTERCONNECTION AND FLOW DIAGRAM



PART OF FS 7
IFD SYMBOL(S) 1, 2, 3

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		88	128
BELL LABORATORIES		SD-4C098-01	B#7AA

PART OF FS 7
POWER

SYMBOL NO. 1
CPU POWER CONTROL

SYMBOL NO. 1 (CONT)
CPU POWER CONTROL

SYMBOL NO. 2 (CONT)
POWER UNIT

SYMBOL NO. 2 (CONT)
POWER UNIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CPWRCTRL	04-162	TN5	A	(2A)
CPWRCTRL	04-162	TN5B(NOTE 317)	A	(2B)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CPWRCTRL	04-162	TN5	A	(2A)
CPWRCTRL	04-162	TN5B(NOTE 317)	A	(2B)

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PHRUA	04-016	495FA(NOTE 308)	A	

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PHRUA	04-016	495FA(NOTE 308)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	PWR	PHRSWRHM	205			
	PWR	PHRSWRHM	305			
	0	STA500	006			
	0	STA400	007			
	0	INIT00	114			
	0	CPPALM0	201			
	0	TP300	223			
	0	TP400	301			
	0	RMTST	303			
	0	ROS00	313			
	0	TP200	323			
	1	PAEF10	009			
	1	PAEF10	010			
	1	PACD10	015			
	1	TPAD0	023			
	1	STB100	106			
	1	PACD10	115			
	1	TP310	123			
	1	BPPN	210			
	1	INHAP10	214			
	1	INHBP10	215			
	1	BPPP	310			
	1	PAAB10	317			
	0	STC00	021			
BPE0	0	BRCN200	211		1/8	
CCALM0	1	PAAB10	110		7/2	
CCSTN	0	STAN0	008		7/2,7/3	TO PROC CONTROL FRAME CKT
CCSTP	0	STA10P	108		7/2,7/3	TO PROC CONTROL FRAME CKT
CINTL0	1	CPP10	014		7/2	
CLMT0	0	LMT00	117		6/1	
COOSN	1	OOSN	206			TO PROC CONTROL FRAME CKT
COOSP	1	COSP	306			TO PROC CONTROL FRAME CKT
CPMB	10	PCPRA	118			1/10
CPPB	10	PCPRB	018		1/10	
CPWRCLRO	10	PHRCLRO0	311		1/8	
CRQ1PN	1	RO1PN	207			TO PROC CONTROL FRAME CKT
CRQ1PP	1	RO1PP	307			TO PROC CONTROL FRAME CKT
CSCXN	10	SCXYN	209			TO PROC CONTROL FRAME CKT
CSCXP	10	SCXP	309			TO PROC CONTROL FRAME CKT
CSCYN	10	SCXYN	208			TO PROC CONTROL FRAME CKT
CSCYP	10	SCYP	308			TO PROC CONTROL FRAME CKT
EAI1ST1	0	TPB00	022		6/1	
GRD04162	GRD	GRD	012			
	GRD	GRD	024			
	GRD	GRD	100			
	GRD	GRD	112			
	GRD	GRD	209			
	GRD	GRD	212			
	GRD	GRD	224			
	GRD	GRD	300			
	GRD	GRD	312			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
INIT00	GRD	GRD	314			
	GRD	GRD	324			
	1	INIT000	113		7/3	TO PROC CONTROL FRAME CKT
IP5VALM0	0	P5VALM0	315			
MJ	10	MJ	321		7/3	TO PROC CONTROL FRAME CKT
MJR	10	MJR	221		7/3	TO PROC CONTROL FRAME CKT
N48VCPU3	10	N48VJ	003			
	10	N48VJ	004			TO PROC CONTROL FRAME CKT
PA	10	PA	519		7/3	TO PROC CONTROL FRAME CKT
PAR	10	PAR	219		7/3	TO PROC CONTROL FRAME CKT
PHR1	0	PHR01	016		1/9	
PSVB	PWR	VCC	000		1/8	
STA20	0	STA300	107		7/3	TO PROC CONTROL FRAME CKT
48RCPU3	1	N48R	103			TO PROC CONTROL FRAME CKT
	1	N48R	104			TO PROC CONTROL FRAME CKT

SYMBOL NO. 2
POWER UNIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PHRUA	04-016	495FA(NOTE 308)	A	

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
NC	1	RS4	010			
	1	SC	019			
	1	RS3	109			
	1	+SB	118			
	1	+SYNC	120			
	1	-SYNC	121			
CCALM0	0T	ALM2	014		7/3	
	1				7/1	TO PROC CONTROL FRAME CKT
CCSTN	1	RS2	110		7/1	
CCSTP	1	RS1	011		7/1	
CINTLA	0T	INT	012		7/3	
CINTL0	0	INT	112		7/1	
CPMA	1	-CP	117		1/1	
CPPA	1	-CP	017		1/1	
GRD04016	GRD	FG	000			TO PROC CONTROL FRAME CKT
	GRD	FG	001			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	GRD	-E01	032			
	GRD	-E01	033			
	GRD	-E01	034			
	GRD	-E01	035			
	GRD	-E01	036			
	GRD	-E01	037			
	GRD	-E01	038			
	GRD	-E01	039			
	GRD	-E01	040			
	GRD	-E01	041			
	GRD	-E01	042			
	GRD	-E01	043			
	GRD	FG	100			
	GRD	FG	101			
	GRD	ALM1	113			
	GRD	-S	119			
	GRD	-E01	132			
	GRD	-E01	133			
	GRD	-E01	134			
	GRD	-E01	135			
	GRD	-E01	136			
	GRD	-E01	137			
	GRD	-E01	138			
	GRD	-E01	139			
	GRD	-E01	140			
	GRD	-E01	141			
	GRD	-E01	142			
	GRD	-E01	143			
	GRD	FG	200			
	GRD	FG	201			
	GRD	-E01	232			
	GRD	-E01	233			
	GRD	-E01	234			
	GRD	-E01	235			
	GRD	-E01	236			
	GRD	-E01	237			
	GRD	-E01	238			
	GRD	-E01	239			
	GRD	-E01	240			
	GRD	-E01	241			
	GRD	-E01	242			
	GRD	-E01	243			
	GRD	FG	300			
	GRD	FG	301			
	GRD	-E01	332			
	GRD	-E01	333			
	GRD	-E01	334			
	GRD	-E01	335			
	GRD	-E01	336			
	GRD	-E01	337			
	GRD	-E01	338			
	GRD	-E01	339			
	GRD	-E01	340			
	GRD	-E01	341			
	GRD	-E01	342			
	GRD	-E01	343			
N48VCPU1	PWR	-VIN	006			
	PWR	-VIN	007			TO PROC CONTROL FRAME CKT
	PWR	-VIN	008			
	PWR	-VIN	106			

LEAD DESIG	FUNC	TERM. MOD	TERM.	TERM. OPT	DESTINATION	NOTE
	PWR	-VIN	107			
	PWR	-VIN	108			
	PWR	-VIN	206			
	PWR	-VIN	207			
	PWR	-VIN	208			
	PWR	-VIN	306			
P5VA	PWR	-VIN	307			
	PWR	-VIN	308			
	PWR	+E01	045		1/1	
	PWR	+E01	046		1/1	
	PWR	+E01	047		1/1	
	PWR	+E01	048		1/1	
	PWR	+E01	049		1/1	
	PWR	+E01	050		1/1	
	PWR	+E01	051		1/1	
	PWR	+E01	052		1/1	
	PWR	+E01	053		1/1	
	PWR	+E01	054		1/1	
	PWR	+E01	055		1/1	
	PWR	+E01	056		1/1	
	PWR	+E01	145		1/1	
	PWR	+E01	146		1/1	
	PWR	+E01	147		1/1	
	PWR	+E01	148		1/1	
	PWR	+E01	149		1/1	
	PWR	+E01	150		1/1	
	PWR	+E01	151		1/1	
	PWR	+E01	152		1/1	
	PWR	+E01	153		1/1	
	PWR	+E01	154		1/1	
	PWR	+E01	155		1/1	
	PWR	+E01	156		1/1	
	PWR	+E01	245		1/1	
	PWR	+E01	246		1/1	
	PWR	+E01	247		1/1	
	PWR	+E01	248		1/1	
	PWR	+E01	249		1/1	
	PWR	+E01	250		1/1	
	PWR	+E01	251		1/1	
	PWR	+E01	252		1/1	
	PWR	+E01	253		1/1	
	PWR	+E01	254		1/1	
	PWR	+E01	255		1/1	
	PWR	+E01	256		1/1	
	PWR	+E01	345		1/1	
	PWR	+E01	346		1/1	
	PWR	+E01	347		1/1	
	PWR	+E01	348		1/1	
	PWR	+E01	349		1/1	
	PWR	+E01	350		1/1	

</

0 1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G
H

A
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H

CIRCUIT NOTES

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
BATTERY SYMBOL		VOLTAGE RANGE	

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		66	1
BELL LABORATORIES	SD-4C098-01	SHEET D1	

0 1 2 3 4 5 6 7 8 9

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS
CAPACITANCE VALUES ARE IN MICROFARADS
VALUES PRECEDED BY THE SYMBOLS + (PLUS)
OR - (MINUS) ARE IN VOLTS.

FEATURE OR OPTION	SEE NOTE	PROVIDE	
		APP FIG	APP OR WRG QUANTITY
CENTRAL PROCESSING UNIT (CPU) ARRANGED FOR 4 POS OF 4K WRITABLE MICROSTORE (WMS) OR 4K PROM MICROSTORE (PMS), MAIN-TENANCE CHANNEL, POWER & E/A, 4K PROM PMS, 4K WMS, RTCE CH, AND POWER FOR GENERIC 2.	305, 307, 308, AND 309	1	Z, Y, U, S, M, L, B, ZA 1 PER CKT
4K PROM PMS ALWAYS REQUIRED FOR GENERIC 3	NOTE 307	(1)	OMIT 1 PER CKT
4K WRITABLE MICROSTORE	SEE NOTE 306 AND 307	2	X MAX 2 PER CKT
4K USER CONTROLLED PROM MICROSTORE			W
FLOATING POINT UNIT			V 1 PER CKT
CACHE CONTROL AND MEMORY OPTION	307	3	OMIT Z 1 PER CKT
UTILITY CIRCUIT OPTION			4 1 PER CKT
STORE ADDRESS TRANSLATOR	(1)	R OMIT S 1 PER CKT	
DC POWER DISTRIBUTION & PROGRAMMING RESISTOR (MODEL 3)	CP PWR ARR 2 (CACHE MEMORY)	(3)	Q 1 PER CKT
	CP PWR ARR 3 (CONTROL STORE)	(2)	P 1 PER CKT
	CP PWR ARR 7 (FLOATING POINT)	(2)	D 1 PER CKT
	CP PWR ARR 11 (CONTROL STORE POS Q2 & Q3)	(2)	A 1 PER CKT
MEMORY EXPANSION (UNIX RTR RELEASE 1) (SEE NOTE 307)	(1) (3)	N OMIT M, Y 1 PER CKT	
SPECIAL REGISTER 1 WITH IMPROVED REAL TIME CLOCK (SEE NOTE 311)	(1)	K OMIT L 1 PER CKT	
4K PROM PMS ALWAYS REQUIRED FOR FAST BACK-UP TAPE UNIT FEATURE	SEE NOTE 312	(1)	J OMIT T, U 1 PER CKT
UNIX RTR RELEASE 2 (SEE NOTE 306 & 313)	(1)	G OMIT H & U, T OR J 1 PER CKT	
COPROCESSING (UNIX RTR RELEASE 2 REQUIRED)	(1)	E OMIT F, L 1 PER CKT	
BACKPLANE WIRING FOR IMPROVED OPERATING SYSTEM PERFORMANCE (UNIX RTR RELEASE 1)	SEE NOTE 314	(1)	C 1 PER CKT
ADDITIONAL INRUSH PROTECTION	(1)	ZB 1 PER CKT	

CHANGED ON ISSUE	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN.	SEE NOTE	USE IN CIRCUIT		
				STD	A&M	MD
8B	K OR L	NONE	310	K, L		
	G OR H	NONE		G, H		
	E OR F	NONE		E, F		
9A	C	R	314	C		
10B	D	NONE				
11B	A & B OR P, Q & D	NONE	315	A & B		P, Q & D
12B	ZA OR ZB	NONE	318	ZA, ZB		

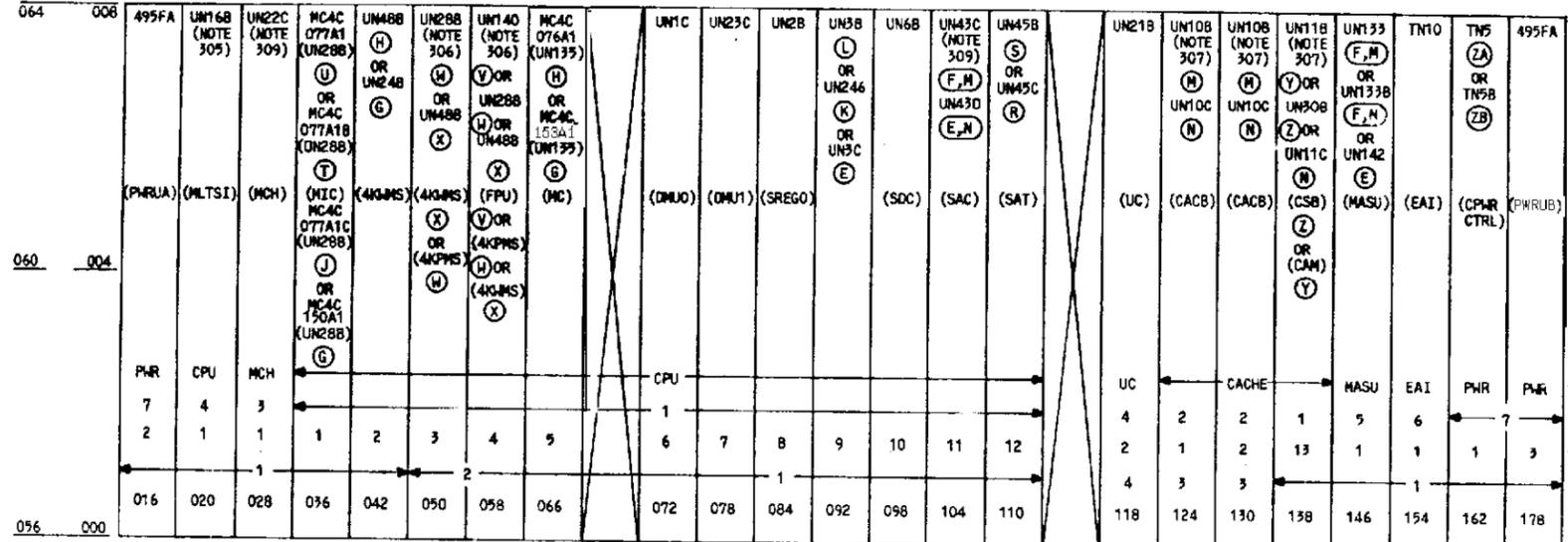
CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		00	12B
AT&T BELL LABORATORIES		30-4C098-01	D-#1

0 1 2 3 4 5 6 7 8 9

INFORMATION NOTES: (CONT)
304. UNIT ARRANGEMENT

EQL

FR UNIT



FS. DESIG

FS. TITLE
FS. NO.
SYMBOL NO.
APP FIG.
CP EQL

- 305. EQL POSITION 04-020 IS WIRED FOR A UN16B CIRCUIT PACK (MICRO-LEVEL TEST SET INTERFACE) THAT IS PROVIDED WITH THE MICROSTORE TEST SET (ED-4C199-30).
- 306. EQL POSITIONS 04-036, 042, 050 AND 058 ARE WIRED FOR 4K PROM PMS OR 4K WMS. APP FIG 2 DOCUMENTS 2 EQL POSITIONS THAT MAY BE EQUIPPED WITH EITHER UN48B, UN28B OR UN140 (EQL 058 ONLY) AS REQUIRED BY APPLICATION USER (SEE NOTE 304).
- 307. OPTIONAL APPARATUS (CKT PACKS) SUCH AS CACH (UN10 & UN11), 4K WMS (UN48B), UTILITY CIRCUIT (UN21B), ETC. IS PROVIDED ON SYSTEM LEVEL DRAWINGS.
- 308. THE 499F1 POWER UNIT HAS BEEN CHANGED TO A 499FA POWER UNIT ON A LINE OUT BASIS ON ISSUE 3D.
- 309. THE UN22B (MCH) AND UN43B (SAC) CIRCUIT PACKS HAVE BEEN CHANGED TO UN22C AND UN43C ON A LINE OUT BASIS ON ISS 3D.

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		08	9A
AT&T BELL LABORATORIES		SD-4C098-01	D#2

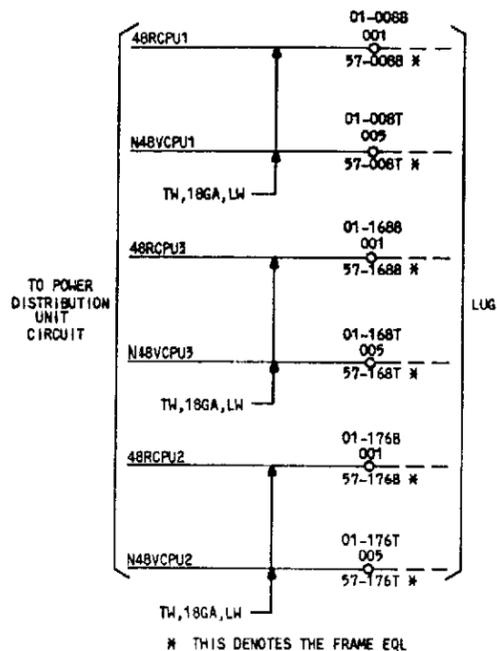
0 1 2 3 4 5 6 7 8 9

INFORMATION NOTES: (CONT)

310. GRAPHICAL CADS

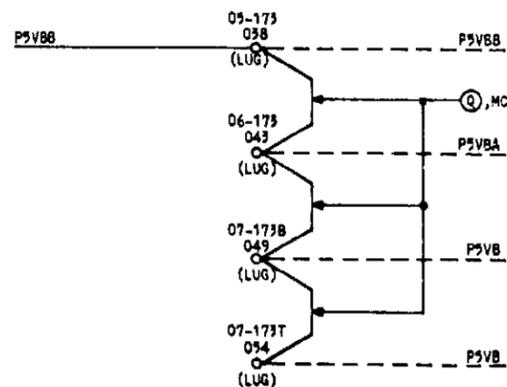
THE FOLLOWING NOTE SHOWS GRAPHICAL EQUIVALENT FOR CAD 051.

-48V PWR DISTRN FOR 3B200 MODEL 3



THE FOLLOWING NOTE SHOWS GRAPHICAL EQUIVALENT FOR CAD 052

CP PWR ARR 2 (CACHE MEMORY) FOR 3B200 MODEL 3

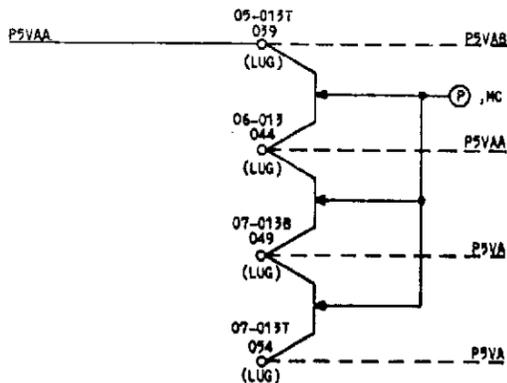
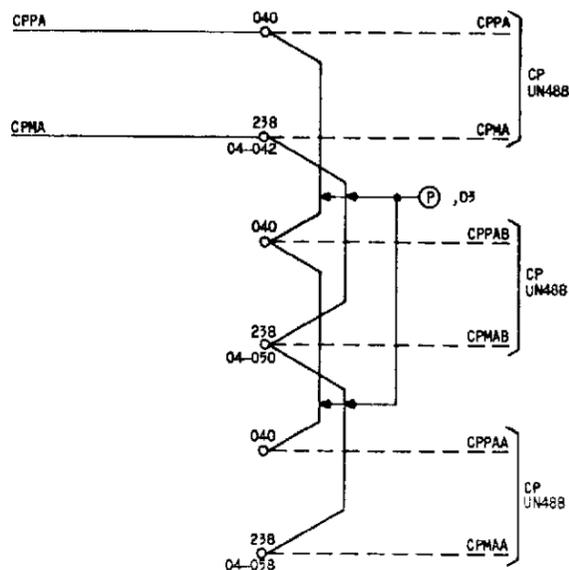


(MFR DISC)
(SEE NOTE 319)

310. (CONT)

THE FOLLOWING NOTE SHOWS GRAPHICAL EQUIVALENT FOR CAD 053

CP PWR ARR 3 (CONTROL STORE) FOR 3B200 MODEL 3

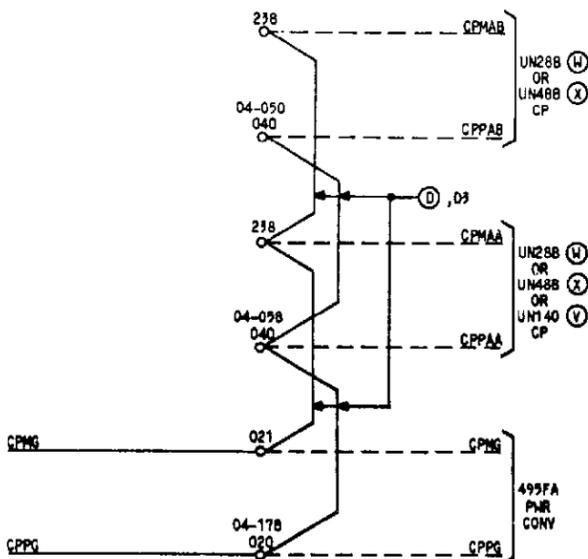
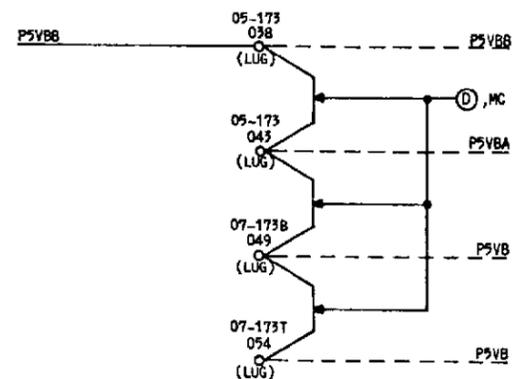


(MFR DISC)
(SEE NOTE 319)

310. (CONT)

THE FOLLOWING NOTE SHOWS GRAPHICAL EQUIVALENT FOR CAD 054

CP PWR ARR 7 (FLOATING POINT) FOR 3B200 MODEL 3



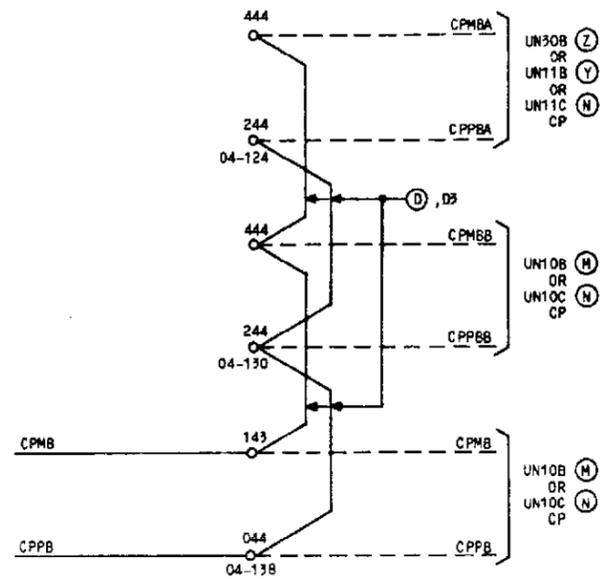
(MFR DISC)
(SEE NOTE 319)

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		11	11B
AT&T BELL LABORATORIES		SD-4C098-01	DWG 3

INFORMATION NOTES: (CONT)

310. GRAPHICAL CADS (CONT)

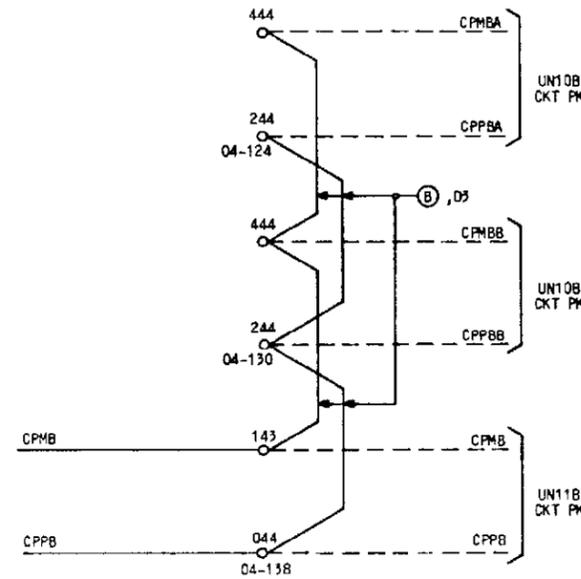
THE FOLLOWING NOTE SHOWS GRAPHICAL EQUIVALENT FOR CAD 054 (CONT)
 CP PWR ARR 7 (FLOATING POINT) FOR 3B200 MODEL 3



(MFR DISC)
 (SEE NOTE 315)

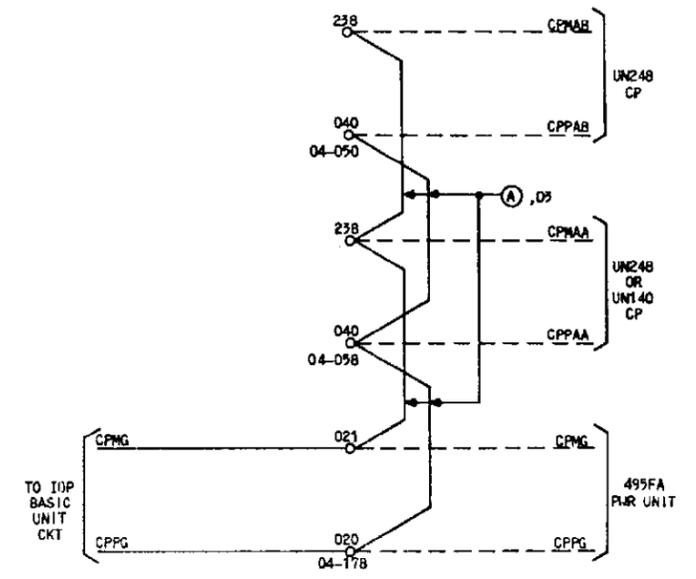
316. THE FOLLOWING NOTE SHOWS THE GRAPHICAL EQUIVALENT FOR CAD 055

CP PWR ARR 10 (BASIC CPU WITH OR WITHOUT CACHE) FOR 3B200 MODEL 3

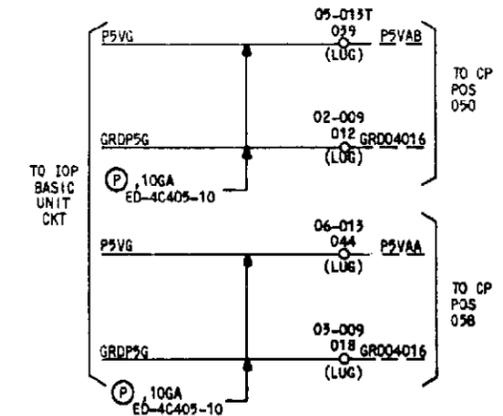
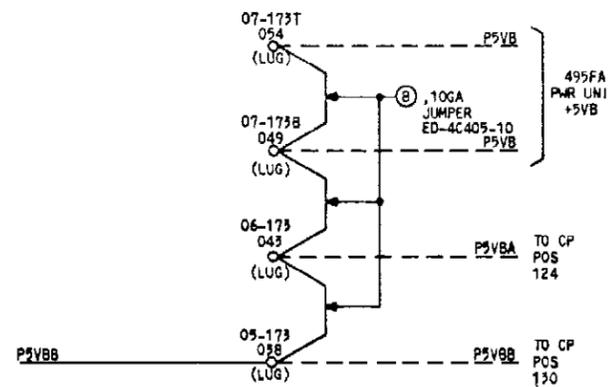


317. THE FOLLOWING NOTE SHOWS THE GRAPHICAL EQUIVALENT FOR CAD 056

CP PWR ARR 11 (CONT ST, POS 02 & 03) FOR 3B200 MODEL 3



- 311. THE UN246 CIRCUIT PACK IS APPLICABLE TO THE APX-10 SYSTEM ONLY.
- 312. MC4077A1C (UN236) ALWAYS REQUIRED WITH FAST BACK-UP TAPE UNIT, KS-23113.
- 313. OPTIONS (V), (H) OR (X) MAY NOT BE APPLIED WITH OPTION (G).
- 314. BACKPLANE WIRING OPTION (C) FOR IMPROVED SYSTEM PERFORMANCE IS NOT DOWNWARD COMPATIBLE WITH GENERIC 1 OR GENERIC 2 SOFTWARE RELEASES, UNIX RTR RELEASE 1 OR LATER IS REQUIRED.
- 315. OPTIONS (1) (CP PWR ARR 2) (P) (CP PWR ARR 5) AND (D) (CP PWR ARR 7) PER SD-4C127-01 AND THIS DRAWING ARE RATED MANUFACTURE DISCONTINUED ON ISS 118, THESE POWER ARRANGEMENTS HAVE BEEN REPLACED BY OPTIONS (A) AND (B) ON AN AFTER DATE BASIS.



318. TN56 CIRCUIT PACK PROVIDES ADDITIONAL INPUSH PROTECTION.

CENTRAL PROCESSING UNIT		OWN SIZE	ISSUE
		08	12B
AT&T BELL LABORATORIES		SD-4C098-01	D#4

NOTES:

1. CAD REPRESENTS LEADS FROM BAY 081 OF SD-4C127-01 FOR 3B200 MODEL S AS FOLLOWS:

CAD	UNIT EOL	CABINET EOL
004	04-178	060-178
005	04-178	160-178
006	04-178	060-178
007	04-178	160-178
050,054,056	04-178	CO, 1160-178
051	01-008B	CO, 1157-008B
051	01-008T	CO, 1157-008T
051	01-168B	CO, 1157-168B
051	01-168T	CO, 1157-168T
051	01-176B	CO, 1157-176B
051	01-176T	CO, 1157-176T
052,054,055	05-173	CO, 1161-173
052,054,055	06-173	CO, 1162-173
052,054,055	07-173B	CO, 1163-173B
052,054,055	07-173T	CO, 1163-173T
053	04-042	CO, 1160-042
053,054,056	04-050	CO, 1160-050
053,054,056	04-058	CO, 1160-058
053,056	06-013	CO, 1162-013
053,056	06-013	CO, 1162-013
057	07-013B	CO, 1163-013B
073	07-013T	CO, 1163-013T
055	04-124	CO, 1160-124
055	04-130	CO, 1160-130
055	04-138	CO, 1160-138
056	02-009	CO, 1158-009
056	03-009	CO, 1159-009
100	04-145	CO, 1160-145
100	04-146	CO, 1160-146
100	04-152	CO, 1160-152
101	04-064	CO, 1160-064
101	04-065	CO, 1160-065
101	04-090	CO, 1160-090
101	04-091	CO, 1160-091
102,103	04-146	CO, 1160-146
104,107	04-154	CO, 1160-154
108,109	04-162	CO, 1160-162
110	04-028	060-128
111	04-028	160-128
112	04-178	CO, 1160-178

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		12	118
AT&T BELL LABORATORIES	SD-4C098-01	G81	
MOUNTAIN VIEW, CALIF.		03/21/65	

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER

A

MAS BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
CLRO	IO	04-146-037	04-146-037	5/1	
CPWRCLRO	I	04-146-533	04-084-222	1/8	
GRD04145	GZ	04-145-041			
GRD04145	GZ	04-145-042			
GRD04145	GZ	04-145-046			
GRD04145	GZ	04-145-047			
GRD04145	GZ	04-145-048			
GRD04145	GZ	04-145-049			
GRD04145	GZ	04-145-050			
GRD04145	GZ	04-145-051			
GRD04145	GZ	04-145-052			
GRD04145	GZ	04-145-053			
GRD04145	GZ	04-145-054			
GRD04145	GZ	04-145-055			
GRD04145	GZ	04-145-001			
GRD04145	GZ	04-145-002			
GRD04145	GZ	04-145-003			
GRD04145	GZ	04-145-004			
GRD04145	GZ	04-145-005			
GRD04145	GZ	04-145-006			
GRD04145	GZ	04-145-007			
GRD04145	GZ	04-145-008			
GRD04145	GZ	04-145-009			
GRD04145	GZ	04-145-010			
GRD04145	GZ	04-145-014			
GRD04145	GZ	04-145-015			
GRD04145	GZ	04-145-016			
GRD04145	GZ	04-145-017			
GRD04145	GZ	04-145-018			
GRD04145	GZ	04-145-019			
GRD04145	GZ	04-145-020			
GRD04145	GZ	04-145-021			
GRD04145	GZ	04-145-022			
GRD04145	GZ	04-145-023			
GRD04145	GZ	04-145-033			
GRD04145	GZ	04-145-034			
GRD04145	GZ	04-145-035			
GRD04145	GZ	04-145-036			
GRD04145	GZ	04-145-038			
GRD04145	GZ	04-145-039			
GRD04145	GZ	04-145-040			
GRD04145	GZ	04-145-041			
GRD04145	GZ	04-145-042			
GRD04145	GZ	04-145-043			
GRD04145	GZ	04-145-044			
GRD04145	GZ	04-145-045			
GRD04145	GZ	04-145-046			
GRD04145	GZ	04-145-047			
GRD04145	GZ	04-145-048			
GRD04145	GZ	04-145-049			
GRD04145	GZ	04-145-050			
GRD04145	GZ	04-145-051			
GRD04145	GZ	04-145-052			
GRD04145	GZ	04-145-053			
GRD04145	GZ	04-145-054			
GRD04145	GZ	04-145-055			
GRD04145	GZ	04-145-001			
GRD04145	GZ	04-145-002			
GRD04145	GZ	04-145-003			
GRD04145	GZ	04-145-004			
GRD04145	GZ	04-145-005			
GRD04145	GZ	04-145-006			
GRD04145	GZ	04-145-007			
GRD04145	GZ	04-145-008			
GRD04145	GZ	04-145-009			
GRD04145	GZ	04-145-010			
GRD04145	GZ	04-145-014			
GRD04145	GZ	04-145-015			
GRD04145	GZ	04-145-016			
GRD04145	GZ	04-145-017			
GRD04145	GZ	04-145-018			
GRD04145	GZ	04-145-019			
GRD04145	GZ	04-145-020			
GRD04145	GZ	04-145-021			
GRD04145	GZ	04-145-022			
GRD04145	GZ	04-145-023			
GRD04145	GZ	04-145-033			
GRD04145	GZ	04-145-034			
GRD04145	GZ	04-145-035			
GRD04145	GZ	04-145-036			
GRD04145	GZ	04-145-038			
GRD04145	GZ	04-145-039			
GRD04145	GZ	04-145-040			
GRD04145	GZ	04-145-041			
GRD04145	GZ	04-145-042			
GRD04145	GZ	04-145-043			
GRD04145	GZ	04-145-044			
GRD04145	GZ	04-145-045			
GRD04145	GZ	04-145-046			
GRD04145	GZ	04-145-047			
GRD04145	GZ	04-145-048			
GRD04145	GZ	04-145-049			
GRD04145	GZ	04-145-050			
GRD04145	GZ	04-145-051			
GRD04145	GZ	04-145-052			
GRD04145	GZ	04-145-053			
GRD04145	GZ	04-145-054			
GRD04145	GZ	04-145-055			
GRD04145	GZ	04-145-001			
GRD04145	GZ	04-145-002			
GRD04145	GZ	04-145-003			
GRD04145	GZ	04-145-004			
GRD04145	GZ	04-145-005			
GRD04145	GZ	04-145-006			
GRD04145	GZ	04-145-007			
GRD04145	GZ	04-145-008			
GRD04145	GZ	04-145-009			
GRD04145	GZ	04-145-010			
GRD04145	GZ	04-145-014			
GRD04145	GZ	04-145-015			
GRD04145	GZ	04-145-016			
GRD04145	GZ	04-145-017			
GRD04145	GZ	04-145-018			

ELEMENT IDENTIFIER (CONT)

A

MAS BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04152	GZ	04-152-019			
GRD04152	GZ	04-152-020			
GRD04152	GZ	04-152-021			
GRD04152	GZ	04-152-022			
GRD04152	GZ	04-152-023			
GRD04152	GZ	04-152-033			
GRD04152	GZ	04-152-034			
GRD04152	GZ	04-152-035			
GRD04152	GZ	04-152-036			
GRD04152	GZ	04-152-037			
GRD04152	GZ	04-152-038			
GRD04152	GZ	04-152-039			
GRD04152	GZ	04-152-040			
GRD04152	GZ	04-152-041			
GRD04152	GZ	04-152-042			
GRD04152	GZ	04-152-046			
MYSERAD	IO	04-146-555	04-084-316	1/8	
MYSERBO	I	04-146-055	04-092-215	1/9	
MYSERCO	I	04-146-023	04-084-009	1/8	
MYSERDO	I	04-146-014	04-092-245	1/9	
SA001	O	04-146-546	04-104-433	1/11	
SA011	O	04-146-547	04-104-434	1/11	
SA021	O	04-146-548	04-104-435	1/11	
SA031	O	04-146-549	04-104-437	1/11	
SA041	O	04-146-550	04-104-438	1/11	
SA051	O	04-146-551	04-104-440	1/11	
SA061	O	04-146-552	04-104-441	1/11	
SA071	O	04-146-553	04-104-442	1/11	
SA081	O	04-146-046	04-110-245	1/12	
SA091	O	04-146-047	04-110-246	1/12	
SA101	O	04-146-048	04-110-248	1/12	
SA111	O	04-146-049	04-110-249	1/12	
SA121	O	04-146-050	04-110-250	1/12	
SA131	O	04-146-051	04-110-251	1/12	
SA141	O	04-146-052	04-110-253	1/12	
SA151	O	04-146-053	04-110-254	1/12	
SA161	O	04-146-534	04-110-233	1/12	
SA171	O	04-146-535	04-110-234	1/12	
SA181	O	04-146-536	04-110-235	1/12	
SA191	O	04-146-537	04-110-237	1/12	
SA201	O	04-146-538	04-110-238	1/12	
SA211	O	04-146-539	04-110-240	1/12	
SA221	O	04-146-540	04-110-241	1/12	
SA231	O	04-146-541	04-110-242	1/12	
SA241	IO	04-146-034	04-146-034	5/1	(N)
SA321	O	04-146-554	04-104-443	1/11	
SA331	O	04-146-054	04-110-255	1/12	
SA341	O	04-146-542	04-110-244	1/12	
SA351	IO	04-146-042	04-146-042	5/1	(N)
SBYTE0	O	04-146-039	04-110-248	1/12	
SCM0	I	04-146-035	04-146-035	5/1	
SCOMP0	O	04-146-041	04-110-355	1/12	
SCR311	IO	04-146-523	04-104-152	1/11	
SD001	IO	04-146-515	04-138-515	1/13	
SD011	IO	04-146-517	04-138-517	1/13	
SD021	IO	04-146-519	04-138-519	1/13	
SD031	IO	04-146-521	04-138-521	1/13	
SD041	IO	04-146-501	04-138-501	1/13	
SD051	IO	04-146-503	04-138-503	1/13	
SD061	IO	04-146-505	04-138-505	1/13	
SD071	IO	04-146-507	04-138-507	1/13	
SD081	IO	04-146-015	04-138-414	1/13	
SD091	IO	04-146-017	04-138-416	1/13	
SD101	IO	04-146-019	04-138-418	1/13	
SD111	IO	04-146-021	04-138-421	1/13	
SD121	IO	04-146-001	04-138-401	1/13	

ELEMENT IDENTIFIER (CONT)

A

MAS BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
SD131	IO	04-146-003	04-138-403	1/13	
SD141	IO	04-146-005	04-138-405	1/13	
SD151	IO	04-146-007	04-138-407	1/13	
SD161	IO	04-146-516	04-138-516	1/13	
SD171	IO	04-146-518	04-138-518	1/13	
SD181	IO	04-146-520	04-138-520	1/13	
SD191	IO	04-146-522	04-138-522	1/13	
SD201	IO	04-146-502	04-138-502	1/13	
SD211	IO	04-146-504	04-138-504	1/13	
SD221	IO	04-146-506	04-138-506	1/13	
SD231	IO	04-146-508	04-138-508	1/13	
SD241	IO	04-146-016	04-138-415	1/13	
SD251	IO	04-146-018	04-138-417	1/13	
SD261	IO	04-146-020	04-138-420	1/13	
SD271	IO	04-146-022	04-138-422	1/13	
SD281	IO	04-146-002	04-138-402	1/13	
SD291	IO	04-146-004	04-138-404	1/13	
SD301	IO	04-146-006	04-138-406	1/13	
SD311	IO	04-146-008	04-138-408	1/13	
SD321	IO	04-146-509	04-138-509	1/13	
SD331	IO	04-146-009	04-138-410	1/13	
SD341	IO	04-146-510	04-138-510	1/13	
SD351	IO	04-146-010	04-138-411	1/13	
SG00	IO	04-146-033	04-146-033	5/1	
SHALFO	O	04-146-038	04-110-349	1/12	
SHALINT0	O	04-146-040	04-110-350	1/12	
SUA241	IO	04-146-417	04-146-417	5/1	(N)
SUA351	IO	04-146-316	04-146-316	5/1	(N)
WRT0	IO	04-146-036	04-146-036	5/1	

ELEMENT IDENTIFIER

B

CCID BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
CLOAD000	O	04-0			

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER (CONT)

B
CCIO BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04064	GZ	04-064-007			
GRD04064	GZ	04-064-008			
GRD04064	GZ	04-064-020			
GRD04064	GZ	04-064-019			
GRD04064	GZ	04-064-018			
GRD04064	GZ	04-064-017			
GRD04064	GZ	04-064-016			
GRD04064	GZ	04-064-015			
GRD04064	GZ	04-064-014			
GRD04064	GZ	04-064-013			
GRD04064	GZ	04-064-011			
GRD04064	GZ	04-064-010			
GRD04064	GZ	04-064-039			
GRD04064	GZ	04-064-038			
GRD04064	GZ	04-064-053			
GRD04064	GZ	04-064-052			
GRD04064	GZ	04-064-051			
GRD04064	GZ	04-064-050			
GRD04064	GZ	04-064-049			
GRD04064	GZ	04-064-048			
GRD04064	GZ	04-064-045			
GRD04064	GZ	04-064-046			
GRD04064	GZ	04-064-047			
GRD04064	GZ	04-064-043			
GRD04064	GZ	04-064-056			
GRD04064	GZ	04-064-042			
GRD04064	GZ	04-064-037			
GRD04064	GZ	04-064-036			
GRD04064	GZ	04-064-035			
GRD04064	GZ	04-064-034			
GRD04064	GZ	04-064-033			
GRD04064	GZ	04-064-032			
GRD04064	GZ	04-064-024			
GRD04064	GZ	04-064-023			
GRD04064	GZ	04-064-040			
GRD04064	GZ	04-064-041			
GRD04090	GZ	04-090-021			
GRD04090	GZ	04-090-036			
GRD04090	GZ	04-090-009			
GRD04090	GZ	04-090-016			
GRD04090	GZ	04-090-015			
GRD04090	GZ	04-090-014			
GRD04090	SZ	04-090-037			
GRD04090	SZ	04-090-038			
GRD04090	SZ	04-090-039			
GRD04090	GZ	04-090-056			
GRD04090	GZ	04-090-055			
GRD04090	GZ	04-090-054			
GRD04090	GZ	04-090-053			
GRD04090	GZ	04-090-017			
GRD04090	GZ	04-090-018			
GRD04090	GZ	04-090-035			
GRD04090	GZ	04-090-034			
GRD04090	GZ	04-090-033			
GRD04090	GZ	04-090-032			
GRD04090	GZ	04-090-024			
GRD04090	GZ	04-090-023			
GRD04090	GZ	04-090-022			
GRD04090	GZ	04-090-021			
GRD04090	GZ	04-090-020			
GRD04090	GZ	04-090-019			
GRD04090	GZ	04-090-052			
GRD04090	GZ	04-090-051			
GRD04090	GZ	04-090-010			
GRD04090	GZ	04-090-000			
GRD04090	GZ	04-090-001			

ELEMENT IDENTIFIER (CONT)

B
CCIO BUS

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
GRD04090	GZ	04-090-002			
GRD04090	GZ	04-090-003			
GRD04090	GZ	04-090-004			
GRD04090	GZ	04-090-005			
GRD04090	GZ	04-090-006			
GRD04090	GZ	04-090-007			
GRD04090	GZ	04-090-008			
GRD04090	GZ	04-090-011			
GRD04090	GZ	04-090-013			
GRD04090	GZ	04-090-050			
GRD04090	GZ	04-090-049			
GRD04090	GZ	04-090-048			
GRD04090	GZ	04-090-047			
GRD04090	GZ	04-090-043			
GRD04090	GZ	04-090-042			
GRD04090	GZ	04-090-041			
GRD04090	GZ	04-090-040			
INT000	I	04-091-050			
INT010	I	04-091-052			
INT020	I	04-091-054			
INT030	I	04-065-045			
INT100	I	04-065-047			
INT120	I	04-065-048			
INT150	I	04-065-049			
INT160	I	04-065-050			
INT170	I	04-065-051			
SER000	I	04-091-051			
SER010	I	04-091-053			
SER020	I	04-091-055			
SER030	I	04-065-046			
SIS040	I	04-084-435	04-084-435	1/8	
SIS060	I	04-084-438	04-084-438	1/8	
SIS070	I	04-084-440	04-084-440	1/8	
SIS090	I	04-084-442	04-084-442	1/8	
SIS100	I	04-091-049	04-084-443	1/8	
SIS110	I	04-084-444	04-084-444	1/8	
SIS120	I	04-084-445	04-084-445	1/8	
SIS130	I	04-084-446	04-084-446	1/8	
SIS140	I	04-084-447	04-084-447	1/8	
SIS150	I	04-084-448	04-084-448	1/8	

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		C2	3D
BELL LABORATORIES	SD-4C098-01	GB3	

CAD 1
UNIT SYMBOL

ELEMENT IDENTIFIER

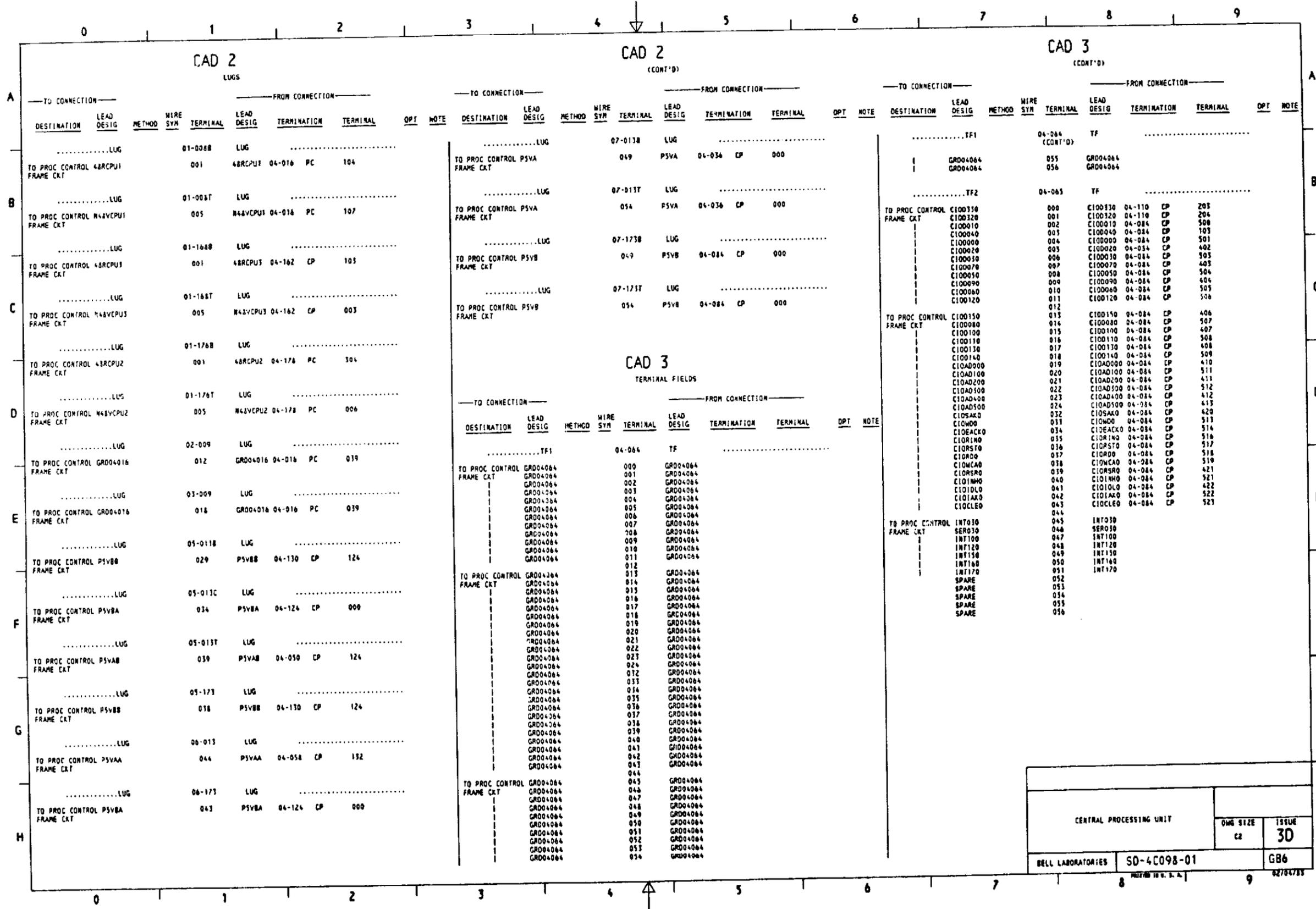
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SCANNER/SIGNAL DISTRIBUTOR

TERM. MODIFIER	FUNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
COOSN	I	04-162-206	04-162-206	7/1	
COOSP	I	04-162-306	04-162-306	7/1	
CRQIPN	I	04-162-207	04-162-207	7/1	
CRQIPP	I	04-162-307	04-162-307	7/1	
CSCXN	IO	04-162-209	04-162-209	7/1	
CSCXP	IO	04-162-309	04-162-309	7/1	
CSCYN	IO	04-162-208	04-162-208	7/1	
CSCYP	IO	04-162-308	04-162-308	7/1	

CENTRAL PROCESSING UNIT		DWG SIZE C2	ISSUE 30
BELL LABORATORIES	SD-4C098-01	G85	

APPROVED BY: E. A. 02/04/53



CAD 2

CAD 2 (CONT'D)

CAD 3 (CONT'D)

TO CONNECTION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	FROM CONNECTION	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....LUG					01-008B LUG					
TO PROC CONTROL 48RCPU1 FRAME CKT					001 48RCPU1 04-016 PC 104					
.....LUG					01-008T LUG					
TO PROC CONTROL N48VCPUI FRAME CKT					005 N48VCPUI 04-018 PC 107					
.....LUG					01-166B LUG					
TO PROC CONTROL 48RCPU3 FRAME CKT					001 48RCPU3 04-162 CP 103					
.....LUG					01-166T LUG					
TO PROC CONTROL N48VCPUI FRAME CKT					005 N48VCPUI 04-162 CP 003					
.....LUG					01-176B LUG					
TO PROC CONTROL 48RCPU2 FRAME CKT					001 48RCPU2 04-176 PC 304					
.....LUG					01-176T LUG					
TO PROC CONTROL N48VCPUI FRAME CKT					005 N48VCPUI 04-176 PC 006					
.....LUG					02-009 LUG					
TO PROC CONTROL GR004016 FRAME CKT					012 GR004016 04-016 PC 039					
.....LUG					03-009 LUG					
TO PROC CONTROL GR004016 FRAME CKT					016 GR004016 04-016 PC 039					
.....LUG					05-011B LUG					
TO PROC CONTROL PSVBB FRAME CKT					029 PSVBB 04-130 CP 124					
.....LUG					05-013C LUG					
TO PROC CONTROL PSVBA FRAME CKT					034 PSVBA 04-126 CP 000					
.....LUG					05-013T LUG					
TO PROC CONTROL PSVAB FRAME CKT					039 PSVAB 04-050 CP 124					
.....LUG					05-173 LUG					
TO PROC CONTROL PSVBB FRAME CKT					018 PSVBB 04-130 CP 124					
.....LUG					06-013 LUG					
TO PROC CONTROL PSVAA FRAME CKT					044 PSVAA 04-058 CP 132					
.....LUG					06-173 LUG					
TO PROC CONTROL PSVBA FRAME CKT					043 PSVBA 04-126 CP 000					

TO CONNECTION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	FROM CONNECTION	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....LUG					07-013B LUG					
TO PROC CONTROL PSVA FRAME CKT					049 PSVA 04-036 CP 000					
.....LUG					07-013T LUG					
TO PROC CONTROL PSVA FRAME CKT					054 PSVA 04-036 CP 000					
.....LUG					07-173B LUG					
TO PROC CONTROL PSVB FRAME CKT					049 PSVB 04-084 CP 000					
.....LUG					07-173T LUG					
TO PROC CONTROL PSVB FRAME CKT					054 PSVB 04-084 CP 000					

TO CONNECTION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	FROM CONNECTION	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....TF1					04-064 TF					
TO PROC CONTROL GR004064 FRAME CKT	GR004064				000 GR004064					
	GR004064				001 GR004064					
	GR004064				002 GR004064					
	GR004064				003 GR004064					
	GR004064				004 GR004064					
	GR004064				005 GR004064					
	GR004064				006 GR004064					
	GR004064				007 GR004064					
	GR004064				008 GR004064					
	GR004064				009 GR004064					
	GR004064				010 GR004064					
	GR004064				011 GR004064					
	GR004064				012 GR004064					
TO PROC CONTROL GR004064 FRAME CKT	GR004064				013 GR004064					
	GR004064				014 GR004064					
	GR004064				015 GR004064					
	GR004064				016 GR004064					
	GR004064				017 GR004064					
	GR004064				018 GR004064					
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	GR004064				041 GR004064					
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	GR004064				051 GR004064					
	GR004064				052 GR004064					
	GR004064				053 GR004064					
	GR004064				054 GR004064					

TO CONNECTION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	FROM CONNECTION	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....TF1					04-064 TF					
	GR004064				055 GR004064					
	GR004064				056 GR004064					
.....TF2					04-065 TF					
TO PROC CONTROL C100350 FRAME CKT	C100350				000 C100350 04-110 CP 203					
	C100320				001 C100320 04-110 CP 204					
	C100010				002 C100010 04-084 CP 500					
	C100040				003 C100040 04-084 CP 103					
	C100000				004 C100000 04-084 CP 501					
	C100020				005 C100020 04-084 CP 402					
	C100020				006 C100020 04-084 CP 303					
	C100030				007 C100030 04-084 CP 403					
	C100050				008 C100050 04-084 CP 504					
	C100050				009 C100050 04-084 CP 404					
	C100090				010 C100090 04-084 CP 505					
	C100060				011 C100060 04-084 CP 506					
	C100120				012 C100120 04-084 CP 406					
	C100150				013 C100150 04-084 CP 507					
	C100080				014 C100080 04-084 CP 407					
	C100100				015 C100100 04-084 CP 508					
	C100110				016 C100110 04-084 CP 408					
	C100130				017 C100130 04-084 CP 509					
	C100140				018 C100140 04-084 CP 410					
	C10AD000				019 C10AD000 04-084 CP 511					
	C10AD100				020 C10AD100 04-084 CP 411					
	C10AD200				021 C10AD200 04-084 CP 512					
	C10AD300				022 C10AD300 04-084 CP 412					
	C10AD400				023 C10AD400 04-084 CP 513					
	C10AD500				024 C10AD500 04-084 CP 413					
	C10SA00				025 C10SA00 04-084 CP 514					
	C10SA00				026 C10SA00 04-084 CP 414					
	C10W00				027 C10W00 04-084 CP 515					
	C10EACK0				028 C10EACK0 04-084 CP 415					
	C10R100				029 C10R100 04-084 CP 516					
	C10R100				030 C10R100 04-084 CP 416					
	C10R200				031 C10R200 04-084 CP 517					
	C10R200				032 C10R200 04-084 CP 417					
	C10R300				033 C10R300 04-084 CP 518					
	C10R300				034 C10R300 04-084 CP 418					
	C10R400				035 C10R400 04-084 CP 519					
	C10R400				036 C10R400 04-084 CP 419					
	C10R500				037 C10R500 04-084 CP 520					

		CAD 005										CAD 050										(Q) CAD 052									
		MJ & MN INTERFRAME OA (SUCCEEDING) FOR 3B20D MOD 3										(CONT'D)										(CONT'D)									
		TO CONNECTION					FROM CONNECTION					TO CONNECTION					FROM CONNECTION					TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE		
.....J2							04-178 JACK/UNIT (982AA,NOTE 1).....																								
TO PROC SYS DKT PAR	CA		216	PAR																											
TO PROC SYS DKT MJR	CA		217	MJR																											
TO PROC SYS DKT PA	CA		218	PA																											
TO PROC SYS DKT MJ	CA		316	MJ																											
			317																												
			318																												
.....J3							04-178 JACK/UNIT (982AA,NOTE 1).....																								
TO CAD 007	PAR	CA94	216	PAR																											
TO CAD 007	MJR	CA94	217	MJR																											
TO CAD 007	PA	CA94	218	PA																											
TO CAD 007	MJ	CA94	316	MJ																											
			317																												
			318																												
.....J4							04-178 JACK/UNIT (982AA,NOTE 1).....																								
TO CAD 006	PAR	CA94	219	PAR																											
TO CAD 006	MJR	CA94	220	MJR																											
TO CAD 006	PA	CA94	221	PA																											
TO CAD 006	MJ	CA94	319	MJ																											
			320																												
			321																												
.....J6							04-178 JACK/UNIT (982AE,NOTE 1).....																								
TO MS/IO AND DFC UNIT DKT	CCINTLB	CA77	013	CINTLB																											
	CCALMO	CA77	014	CCALMO																											
	SPARE	CA77	015																												
	CCSTP	CA77	016	CCSTP																											
	SPARE	CA77	017																												
	SPARE	CA77	018																												
	SPARE	CA77	019																												
	CPPG	CA77	020	CPPG																											
	CPMG	CA77	021	CPMG																											
	SPARE	CA77	022																												
	SPARE	CA77	023																												
	SPARE	CA77	024																												
	SPARE	CA77	113																												
	CCSTN	CA77	114	CCSTN																											
	SPARE	CA77	115																												
.....LUG							01-008B LUG (NOTE 1,310).....																								
TO POWER DISTN UNIT CKT							48RCPU1 001 48RCPU1																								
.....LUG							01-008T LUG (NOTE 1,310).....																								
TO POWER DISTN UNIT CKT							N48VCPU1 005 N48VCPU1																								
.....LUG							01-168B LUG (NOTE 1,310).....																								
TO POWER DISTN UNIT CKT							48RCPU3 001 48RCPU3																								
.....LUG							01-168T LUG (NOTE 1,310).....																								
TO POWER DISTN UNIT CKT							N48VCPU3 005 N48VCPU3																								
.....LUG							01-176B LUG (NOTE 1,310).....																								
TO POWER DISTN UNIT CKT							48RCPU2 001 48RCPU2																								
.....LUG							01-176T LUG (NOTE 1,310).....																								
TO POWER DISTN UNIT CKT							N48VCPU2 005 N48VCPU2																								
.....LUG							05-173 LUG (NOTE 1,310).....																								
(Q) 05-173-043							PSVBB MC 038 PSVBB																								
.....LUG							06-173 LUG (NOTE 1,310).....																								
07-173B-049							PSVBB MC 043 PSVBB (Q)																								
05-173-038							PSVBB MC 043 PSVBB (Q)																								
.....J7							04-042 JACK/CP (NOTE 1,310).....																								
(P) 04-050-040							CPPA D3 040 CPPA																								
(P) 04-050-238							CPMA D3 238 CPMA																								
.....J8							04-050 JACK/CP (NOTE 1,310).....																								
04-058-040							CPPA D3 040 CPPA (P)																								
04-042-040							CPPA D3 040 CPPA (P)																								
04-058-238							CPMA D3 238 CPMA (P)																								
04-042-238							CPMA D3 238 CPMA (P)																								
.....J9							04-058 JACK/CP (NOTE 1,310).....																								
04-050-040							CPPA D3 040 CPPA (P)																								
04-050-238							CPMA D3 238 CPMA (P)																								
.....LUG							05-013T LUG (NOTE 1,310).....																								
06-013-044							PSVAA MC 039 PSVAA (P)																								
.....LUG							06-013 LUG (NOTE 1,310).....																								
(P) 05-013T-039							PSVAA MC 044 PSVAA																								
(P) 07-013B-049							PSVAA MC 044 PSVAA																								
.....LUG							07-013B LUG (NOTE 1,310).....																								
07-013T-054							PSVAA MC 049 PSVAA (P)																								
06-013-044							PSVAA MC 049 PSVAA (P)																								
.....LUG							07-013T LUG (NOTE 1,310).....																								
07-013B-049							PSVAA MC 054 PSVAA (P)																								

SEE PROPRIETARY NOTICE ON COVER SHEET

CENTRAL PROCESSING UNIT		DRG SIZE	ISSUE
		C2	7B
AT&T BELL LABORATORIES	SD-4C098-01	GB8	

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(D, NOTE 315) CAD 054

CP PWR ARR 7(FLOATING POINT/CACHE MEMORY) MODEL 3

(B) CAD 055

(CONT'D)

CAD 100

STORE CONTROL CABLES FOR 3B20D MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J49									
04-130-244	CPPB	D3		244	JACK/CP	(NOTE 1,310)			
04-130-444	CPMB	D3		444	CPMB	04-092 CP	037	D	
.....J50									
04-124-244	CPPB	D3		244	JACK/CP	(NOTE 1,310)			
04-138-044	CPPB	D3		244	CPMB	04-092 CP	037	D	
04-124-444	CPMB	D3		444	CPMB	04-092 CP	039	D	
04-138-143									
.....J51									
04-130-244	CPPB	D3		044	JACK/CP	(NOTE 1,310)			
04-130-444	CPMB	D3		143	CPMB	04-092 CP	037	D	
.....J52									
04-058-040	CPPG	D3		040	JACK/CP	(NOTE 1,310)			
04-058-238	CPMG	D3		238	CPMG	04-178 CP	020	D	
.....J53									
04-050-040	CPPG	D3		040	JACK/CP	(NOTE 1,310)			
04-178-020	CPPG	D3		040	CPMG	04-178 CP	021	D	
04-050-238	CPMG	D3		238	CPMG	04-178 CP	021	D	
04-178-021									
.....J54									
04-058-040	CPPG	D3		020	JACK/CP	(NOTE 1,310)			
04-058-238	CPMG	D3		021	CPMG	04-178 CP	021		
.....LUG									
06-173-043	PSVBB	MC		038	LUG	(NOTE 1,310)			
.....LUG									
05-173-038	PSVBB	MC		043	LUG	(NOTE 1,310)			
07-173B-049									
.....LUG									
06-173-043	PSVBB	MC		049	LUG	(NOTE 1,310)			
07-173T-054									
.....LUG									
07-173B-049	PSVBB	MC		054	LUG	(NOTE 1,310)			

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J57									
04-130-244	CPPB	D3		044	JACK/CP	(NOTE 1,316)			
04-130-444	CPMB	D3		143	CPMB	04-092 CP	037	D	
.....LUG									
06-173-043	PSVBB	LW		038	LUG	(NOTE 1,316)			
.....LUG									
05-173-038	PSVBB	LW		043	LUG	(NOTE 1,316)		B	
07-173B-049									
.....LUG									
06-173-043	PSVBB	LW		049	LUG	(NOTE 1,316)		B	
07-173T-054									
.....LUG									
07-173B-049	PSVBB	LW		054	LUG	(NOTE 1,316)		B	

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J10									
04-146	JACK/CP				JACK/CP	(982BA, NOTE 1)			
TO MS/IO AND DFC UNIT CKT	PHRCLRO	CA10		532	PHRCLRO	04-020 CP	523		
	SA161	CA10		533	SA161	04-110 CP	233		
	SA171	CA10		534	SA171	04-110 CP	234		
	SA181	CA10		535	SA181	04-110 CP	235		
	SA191	CA10		536	SA191	04-110 CP	236		
	SA201	CA10		537	SA201	04-110 CP	237		
	SA211	CA10		538	SA211	04-110 CP	238		
	SA221	CA10		539	SA221	04-110 CP	240		
	SA231	CA10		540	SA231	04-110 CP	241		
	SA341	CA10		541	SA341	04-110 CP	242		
				542			243		
				543			244		
.....TF152(A)									
04-152	JACK/TF				JACK/TF	(982BA, NOTE 1)			
TO MS/IO AND DFC UNIT CKT	GRD04152	CA10		032	GRD04152				
	GRD04152	CA10		033	GRD04152				
	GRD04152	CA10		034	GRD04152				
	GRD04152	CA10		035	GRD04152				
	GRD04152	CA10		036	GRD04152				
	GRD04152	CA10		037	GRD04152				
	GRD04152	CA10		038	GRD04152				
	GRD04152	CA10		039	GRD04152				
	GRD04152	CA10		040	GRD04152				
	GRD04152	CA10		041	GRD04152				
	GRD04152	CA10		042	GRD04152				
				043					
.....J11									
04-146	JACK/CP				JACK/CP	(982BA, NOTE 1)			
TO MS/IO AND DFC UNIT CKT	SA001	CA11		545	SA001	04-104 CP	433		
	SA011	CA11		546	SA011	04-104 CP	434		
	SA021	CA11		547	SA021	04-104 CP	435		
	SA031	CA11		548	SA031	04-104 CP	436		
	SA041	CA11		549	SA041	04-104 CP	437		
	SA051	CA11		550	SA051	04-104 CP	438		
	SA061	CA11		551	SA061	04-104 CP	440		
	SA071	CA11		552	SA061	04-104 CP	441		
	SA071	CA11		553	SA071	04-104 CP	442		
	SA321	CA11		554	SA321	04-104 CP	443		
	MYSERAO	CA11		555	MYSERAO	04-084 CP	316		
				556					
.....TF152(B)									
04-152	JACK/TF				JACK/TF	(982BA, NOTE 1)			
TO MS/IO AND DFC UNIT CKT	GRD04152	CA11		045	GRD04152				
	GRD04152	CA11		046	GRD04152				
	GRD04152	CA11		047	GRD04152				
	GRD04152	CA11		048	GRD04152				
	GRD04152	CA11		049	GRD04152				
	GRD04152	CA11		050	GRD04152				
	GRD04152	CA11		051	GRD04152				
	GRD04152	CA11		052	GRD04152				
	GRD04152	CA11		053	GRD04152				
	GRD04152	CA11		054	GRD04152				
	GRD04152	CA11		055	GRD04152				
				056					

(A) CAD 056

CP PWR ARR 11(CNTL STORE POS. 2&3) FOR 3B20D MOD 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J58									
04-058-040	CPPG	D3		040	JACK/CP	(NOTE 1,317)			
04-058-238	CPMG	D3		238	CPMG	04-178 CP	020	A	
.....J59									
04-050-040	CPPG	D3		040	JACK/CP	(NOTE 1,317)			
04-178-020	CPPG	D3		040	CPMG	04-178 CP	021	A	
04-053-238	CPMG	D3		238	CPMG	04-178 CP	021	A	
04-178-021									
.....J60									
04-058-040	CPPG	D3		020	JACK/CP	(NOTE 1,317)			
04-058-238	CPMG	D3		021	CPMG	04-178 CP	021		
.....LUG									
TO IOP BASIC UNIT CKT	PSVG	LW	P1	039	LUG	(NOTE 1,317)			
.....LUG									
TO IOP BASIC UNIT CKT	GRDPSG	LW	P1	012	LUG	(NOTE 1,317)			
.....LUG									
TO IOP BASIC UNIT CKT	PSVG	LW	P2	044	LUG	(NOTE 1,317)			
.....LUG									
TO IOP BASIC UNIT CKT	GRDPSG	LW	P2	018	LUG	(NOTE 1,317)			

(B) CAD 055

CP PWR ARR 10(BASIC CPU) FOR 3B20D MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J55									
04-130-244	CPPB	D3		244	JACK/CP	(NOTE 1,316)			
04-130-444	CPMB	D3		444	CPMB	04-092 CP	037	B	
.....J56									
04-124-244	CPPB	D3		244	JACK/CP	(NOTE 1,316)			
04-138-044	CPPB	D3		244	CPMB	04-092 CP	037	B	
04-124-444	CPMB	D3		444	CPMB	04-092 CP	039	B	
04-138-143									

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		C2	11B
AT&T BELL LABORATORIES	SD-4C098-01	G89	

CAD 100
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CAD 100
(CONT'D)

CAD 100
(CONT'D)

TO CONNECTION		FROM CONNECTION					TO CONNECTION		FROM CONNECTION					TO CONNECTION		FROM CONNECTION														
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	
.....J12		04-146 JACK/CP (982BA, NOTE 1).....					.....TF145(A)		04-145 JACK/TF (982AH, NOTE 1).....					.....J17		04-146 JACK/CP (982AH, NOTE 1).....													
TO MS/10 AND DFC UNIT CKT	SD041 CA12			500	SD041 04-138 CP	501					GRD04145 CA14			005	GRD04145 CA14						SCOMP0 CA17			041	SCOMP0 04-110 CP	355				
	SD201 CA12			501	SD201 04-138 CP	502					GRD04145 CA14			006	GRD04145 CA14						SA351 CA17			042	SA351 04-146 CP	042			N	
	SD051 CA12			502	SD051 04-138 CP	503					GRD04145 CA14			007	GRD04145 CA14									043						
	SD211 CA12			503	SD211 04-138 CP	504					GRD04145 CA14			008	GRD04145 CA14															
	SD061 CA12			504	SD061 04-138 CP	505					GRD04145 CA14			009	GRD04145 CA14															
	SD221 CA12			505	SD221 04-138 CP	506					GRD04145 CA14			010	GRD04145 CA14															
	SD071 CA12			506	SD071 04-138 CP	507								011																
	SD231 CA12			507	SD231 04-138 CP	508																								
	SD031 CA12			508	SD031 04-138 CP	509																								
	SD321 CA12			509	SD321 04-138 CP	510																								
	SD341 CA12			510	SD341 04-138 CP	511																								
				511																										
.....TF152(C)		04-152 JACK/TF (982BA, NOTE 1).....					.....J15		04-146 JACK/CP (982AH, NOTE 1).....					.....TF145(D)		04-145 JACK/TF (982AH, NOTE 1).....													
TO MS/10 AND DFC UNIT CKT	GRD04152 CA12			000	GRD04152						SA081 CA15			045	SA081 04-110 CP	245					GRD04145 CA17			032	GRD04145					
	GRD04152 CA12			001	GRD04152						SA091 CA15			046	SA091 04-110 CP	246						GRD04145 CA17			033	GRD04145				
	GRD04152 CA12			002	GRD04152						SA101 CA15			047	SA101 04-110 CP	247						GRD04145 CA17			034	GRD04145				
	GRD04152 CA12			003	GRD04152						SA111 CA15			048	SA111 04-110 CP	248						GRD04145 CA17			035	GRD04145				
	GRD04152 CA12			004	GRD04152						SA121 CA15			049	SA121 04-110 CP	249						GRD04145 CA17			036	GRD04145				
	GRD04152 CA12			005	GRD04152						SA131 CA15			050	SA131 04-110 CP	250						GRD04145 CA17			037	GRD04145				
	GRD04152 CA12			006	GRD04152						SA141 CA15			051	SA141 04-110 CP	251						GRD04145 CA17			038	GRD04145				
	GRD04152 CA12			007	GRD04152						SA151 CA15			052	SA151 04-110 CP	252						GRD04145 CA17			039	GRD04145				
	GRD04152 CA12			008	GRD04152						SA331 CA15			053	SA331 04-110 CP	253						GRD04145 CA17			040	GRD04145				
	GRD04152 CA12			009	GRD04152						MYSERB0 CA15			054	MYSERB0 04-092 CP	254						GRD04145 CA17			041	GRD04145				
	GRD04152 CA12			010	GRD04152									055								GRD04145 CA17			042	GRD04145				
	GRD04152 CA12			011	GRD04152									056								GRD04145 CA17			043	GRD04145				
.....J13		04-146 JACK/CP (982BB, NOTE 1).....					.....TF145(B)		04-145 JACK/TF (982AH, NOTE 1).....					.....TF065(A)		04-065 JACK/TF (982AR, NOTE 1).....													
TO MS/10 AND DFC UNIT CKT	SPARE CA13			513							GRD04145 CA15			045	GRD04145						C100330 CA18			000	C100330 04-110 CP	203				
	SD001 CA13			514	SD001 04-138 CP	515					GRD04145 CA15			046	GRD04145						C100320 CA18			001	C100320 04-110 CP	204				
	SD161 CA13			515	SD161 04-138 CP	516					GRD04145 CA15			047	GRD04145						C100010 CA18			002	C100010 04-084 CP	500				
	SD011 CA13			516	SD011 04-138 CP	517					GRD04145 CA15			048	GRD04145						C100040 CA18			003	C100040 04-084 CP	400				
	SD171 CA13			517	SD171 04-138 CP	518					GRD04145 CA15			049	GRD04145						C100000 CA18			004	C100000 04-084 CP	501				
	SD021 CA13			518	SD021 04-138 CP	519					GRD04145 CA15			050	GRD04145						C100020 CA18			005	C100020 04-084 CP	402				
	SD181 CA13			519	SD181 04-138 CP	520					GRD04145 CA15			051	GRD04145						C100030 CA18			006	C100030 04-084 CP	503				
	SD031 CA13			520	SD031 04-138 CP	521					GRD04145 CA15			052	GRD04145						C100070 CA18			007	C100070 04-084 CP	403				
	SD191 CA13			521	SD191 04-138 CP	522					GRD04145 CA15			053	GRD04145						C100050 CA18			008	C100050 04-084 CP	504				
	SD191 CA13			522	SD191 04-138 CP	523					GRD04145 CA15			054	GRD04145						C100090 CA18			009	C100090 04-084 CP	404				
	SCR311 CA13			523	SCR311 04-104 CP	524					GRD04145 CA15			055	GRD04145						C100060 CA18			010	C100060 04-084 CP	505				
				524							GRD04145 CA15			056	GRD04145						C100120 CA18			011	C100120 04-084 CP	506				
.....TF152(D)		04-152 JACK/TF (982BB, NOTE 1).....					.....J16		04-146 JACK/CP (982AY, NOTE 1).....					.....TF064(A)		04-064 JACK/TF (982AR, NOTE 1).....													
TO MS/10 AND DFC UNIT CKT	GRD04152 CA13			013	GRD04152						MYSERD0 CA16			013	MYSERD0 04-092 CP	245					GRD04064 CA18			000	GRD04064					
	GRD04152 CA13			014	GRD04152						SD081 CA16			014	SD081 04-138 CP	414						GRD04064 CA18			001	GRD04064				
	GRD04152 CA13			015	GRD04152						SD241 CA16			015	SD241 04-138 CP	415						GRD04064 CA18			002	GRD04064				
	GRD04152 CA13			016	GRD04152						SD091 CA16			016	SD091 04-138 CP	416						GRD04064 CA18			003	GRD04064				
	GRD04152 CA13			017	GRD04152						SD251 CA16			017	SD251 04-138 CP	417						GRD04064 CA18			004	GRD04064				
	GRD04152 CA13			018	GRD04152						SD101 CA16			018	SD101 04-138 CP	418						GRD04064 CA18			005	GRD04064				
	GRD04152 CA13			019	GRD04152						SD261 CA16			019	SD261 04-138 CP	420						GRD04064 CA18			006	GRD04064				
	GRD04152 CA13			020	GRD04152						SD111 CA16			020	SD111 04-138 CP	421						GRD04064 CA18			007	GRD04064				
	GRD04152 CA13			021	GRD04152						SD271 CA16			021	SD271 04-138 CP	422						GRD04064 CA18			008	GRD04064				
	GRD04152 CA13			022	GRD04152						MYSERCO CA16			022	MYSERCO 04-084 CP	009						GRD04064 CA18			009	GRD04064				
	GRD04152 CA13			023	GRD04152									023								GRD04064 CA18			010	GRD04064				
	GRD04152 CA13			024	GRD04152									024								GRD04064 CA18			011	GRD04064				
.....J14		04-146 JACK/CP (982AH, NOTE 1).....					.....TF145(C)		04-145 JACK/TF (982AY, NOTE 1).....					.....TF065(B)		04-065 JACK/TF (982AR, NOTE 1).....													
TO MS/10 AND DFC UNIT CKT	SD121 CA14			000	SD121 04-138 CP	401					GRD04145 CA16			013	GRD04145						GRD04064 CA18			000	GR					

CAD 101
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TO CONNECTION		FROM CONNECTION			TO CONNECTION		FROM CONNECTION			TO CONNECTION		FROM CONNECTION																				
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE			
.....TF065(B)		04-065			JACK/TF		(982AR,NOTE 1).....			.....TF064(D)		04-064			JACK/TF		(982AR,NOTE 1).....			.....TF091(C)		04-091			JACK/TF		(982AR,NOTE 1).....				
TO MS/IO AND DFC UNIT CKT	C100150	CA19		013	C100150	04-084	CP		406		GRD04064	CA21		050	GRD04064						D08BUS0	CA24			041	D08BUS0	04-146	CP	219			
	C100080	CA19		014	C100080	04-084	CP		507		GRD04064	CA21		051	GRD04064						D15CH0	CA24			042	D15CH0	04-146	CP	121			
	C100100	CA19		015	C100100	04-084	CP		407		GRD04064	CA21		052	GRD04064						D05CH0	CA24			043	D05CH0	04-146	CP	220			
	C100110	CA19		016	C100110	04-084	CP		508		GRD04064	CA21		053	GRD04064																	
	C100130	CA19		017	C100130	04-084	CP		408		GRD04064	CA21		054	GRD04064																	
	C100140	CA19		018	C100140	04-084	CP		509		GRD04064	CA21		055	GRD04064																	
	C100150	CA19		019	C100150	04-084	CP		410		GRD04064	CA21		056	GRD04064																	
	C10AD000	CA19		020	C10AD000	04-084	CP		511																							
	C10AD100	CA19		021	C10AD100	04-084	CP		411																							
	C10AD200	CA19		022	C10AD200	04-084	CP		512																							
	C10AD300	CA19		023	C10AD300	04-084	CP		412																							
	C10AD400	CA19		023	C10AD400	04-084	CP		412																							
	C10AD500	CA19		024	C10AD500	04-084	CP		413																							
.....TF064(B)		04-064			JACK/TF		(982AR,NOTE 1).....			TO MS/IO AND DFC UNIT CKT		C10AK000	CA22		000	C10AK000	04-092	CP		500												
	GRD04064	CA19		013	GRD04064						C10AK100	CA22		001	C10AK100	04-092	CP		501													
	GRD04064	CA19		014	GRD04064						C10AK200	CA22		002	C10AK200	04-092	CP		402													
	GRD04064	CA19		015	GRD04064						C10AK300	CA22		003	C10AK300	04-092	CP		503													
	GRD04064	CA19		016	GRD04064						C10AK400	CA22		004	C10AK400	04-092	CP		403													
	GRD04064	CA19		017	GRD04064						C10AK500	CA22		005	C10AK500	04-092	CP		504													
	GRD04064	CA19		018	GRD04064						C10D160	CA22		006	C10D160	04-092	CP		404													
	GRD04064	CA19		019	GRD04064						C10D170	CA22		007	C10D170	04-092	CP		505													
	GRD04064	CA19		020	GRD04064						C10D190	CA22		008	C10D190	04-092	CP		506													
	GRD04064	CA19		021	GRD04064						C10D180	CA22		009	C10D180	04-092	CP		406													
	GRD04064	CA19		022	GRD04064						C10D210	CA22		010	C10D210	04-092	CP		507													
	GRD04064	CA19		023	GRD04064						C10D200	CA22		011	C10D200	04-092	CP		407													
	GRD04064	CA19		024	GRD04064																											
.....TF065(C)		04-065			JACK/TF		(982AR,NOTE 1).....			TO MS/IO AND DFC UNIT CKT		D15G00	CA25		045	D15G00	04-146	CP		122												
	C10SAK0	CA20		032	C10SAK0	04-084	CP		420		D05G00	CA25		046	D05G00	04-146	CP		222													
	C10H00	CA20		033	C10H00	04-084	CP		513		D1DBUS0	CA25		047	D1DBUS0	04-146	CP		118													
	C10EACK0	CA20		034	C10EACK0	04-084	CP		514		D08BUS0	CA25		048	D08BUS0	04-146	CP		217													
	C10R1N0	CA20		035	C10R1N0	04-084	CP		516		INT110	CA25		049	INT110	04-084	CP		443													
	C10CR5T0	CA20		036	C10CR5T0	04-084	CP		517		INT000	CA25		050	INT000																	
	C10ORD0	CA20		037	C10ORD0	04-084	CP		518		SER000	CA25		051	SER000																	
	C10WCA0	CA20		038	C10WCA0	04-084	CP		519		INT010	CA25		052	INT010																	
	C10RSR0	CA20		039	C10RSR0	04-084	CP		421		SER010	CA25		053	SER010																	
	C10INH0	CA20		040	C10INH0	04-084	CP		521		INT020	CA25		054	INT020																	
	C10IDL0	CA20		041	C10IDL0	04-084	CP		422		SER020	CA25		055	SER020																	
	C10IAK0	CA20		042	C10IAK0	04-084	CP		522		SPARE	CA25		056	SPARE																	
	C10CLE0	CA20		043	C10CLE0	04-084	CP		523																							
.....TF064(C)		04-064			JACK/TF		(982AR,NOTE 1).....			TO MS/IO AND DFC UNIT CKT		C10D230	CA23		013	C10D230	04-092	CP		508												
	GRD04064	CA20		032	GRD04064						C10D220	CA23		014	C10D220	04-092	CP		408													
	GRD04064	CA20		033	GRD04064						C10D240	CA23		015	C10D240	04-092	CP		509													
	GRD04064	CA20		034	GRD04064						C10D250	CA23		016	C10D250	04-092	CP		410													
	GRD04064	CA20		035	GRD04064						C10D260	CA23		017	C10D260	04-092	CP		511													
	GRD04064	CA20		036	GRD04064						C10D270	CA23		018	C10D270	04-092	CP		411													
	GRD04064	CA20		037	GRD04064						C10D280	CA23		019	C10D280	04-092	CP		512													
	GRD04064	CA20		038	GRD04064						C10D290	CA23		020	C10D290	04-092	CP		412													
	GRD04064	CA20		039	GRD04064						C10D300	CA23		021	C10D300	04-092	CP		513													
	GRD04064	CA20		040	GRD04064						C10D310	CA23		022	C10D310	04-092	CP		413													
	GRD04064	CA20		041	GRD04064						C10D350	CA23		023	C10D350	04-110	CP		201													
	GRD04064	CA20		042	GRD04064						C10D340	CA23		024	C10D340	04-110	CP		202													
	GRD04064	CA20		043	GRD04064																											
.....TF091(B)		04-091			JACK/TF		(982AR,NOTE 1).....			TO MS/IO AND DFC UNIT CKT		GRD04090																				

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CAD 102

STORE UPDATE CABLES FOR 3620D MODEL 3

CAD 102
(CONT'D)

CAD 102
(CONT'D)

TO CONNECTION		FROM CONNECTION				TO CONNECTION		FROM CONNECTION				TO CONNECTION		FROM CONNECTION																
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE	
.....J26		04-146 JACK/CP (982AP, NOTE 1).....				.....J29		04-146 JACK/CP (982AM, NOTE 1).....				.....J32		04-146 JACK/CP (982AN, NOTE 1).....															
TO CAD 103	SUD121 CA40			100	SUD121 04-146 CP		102			TO CAD 103	GRD04146 CA43			132	GRD04146 04-146 CP		044			TO CAD 103	SUA081 CA46			345	SUA081 04-146 CP		345			
	SUD131 CA40			101	SUD131 04-146 CP		103				OSG00 CA43			133	OSG00 04-146 CP		135				GRD04146 CA46			346	GRD04146 04-146 CP		044			
	GRD04146 CA40			102	GRD04146 04-146 CP		044				OSCM0 CA43			134	OSCM0 04-146 CP		044					GRD04146 CA46			347	GRD04146 04-146 CP		044		
	SUD141 CA40			103	SUD141 04-146 CP		105				SPARE CA43			135	SPARE 04-146 CP		137					SUA121 CA46			348	SUA121 04-146 CP		348		
	SUD151 CA40			104	SUD151 04-146 CP		106				GRD04146 CA43			136	GRD04146 04-146 CP		044					SUA131 CA46			349	SUA131 04-146 CP		349		
	GRD04146 CA40			105	GRD04146 04-146 CP		044				OSCM0 CA43			137	OSCM0 04-146 CP		137					SUA171 CA46			350	SUA171 04-146 CP		350		
	SUD241 CA40			106	SUD241 04-146 CP		108				SPARE CA43			138	SPARE 04-146 CP		044					GRD04146 CA46			351	GRD04146 04-146 CP		044		
	GRD04146 CA40			107	GRD04146 04-146 CP		044				GRD04146 CA43			139	GRD04146 04-146 CP		044					SUA201 CA46			352	SUA201 04-146 CP		352		
	SUD251 CA40			108	SUD251 04-146 CP		110				UDBUS0 CA43			140	UDBUS0 04-146 CP		140					SUA221 CA46			353	SUA221 04-146 CP		353		
	GRD04146 CA40			109	GRD04146 04-146 CP		044				UABUS0 CA43			141	UABUS0 04-146 CP		141					SUA341 CA46			354	SUA341 04-146 CP		354		
	SUD261 CA40			110	SUD261 04-146 CP		111				GRD04146 CA43			142	GRD04146 04-146 CP		044							355						
				111										143										356						
				200										232										445						
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CAD 103

(CONT'D)

CAD 103

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CAD 104

EAI CABLE (BAY 0) FOR 38200 MODEL 3

TO CONNECTION				FROM CONNECTION				TO CONNECTION				FROM CONNECTION				TO CONNECTION				FROM CONNECTION														
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	DPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	DPT	NOTE	DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	DPT	NOTE					
.....J34				04-146 JACK/CP (982AP,NOTE 1).....				.....J37				04-146 JACK/CP (982AN,NOTE 1).....				.....J40				04-154 JACK/CP (982AA,NOTE 1).....														
TO CAD 102	SUD041 CA41			300	SUD041 04-146	CP	302			TO CAD 102	GRD04146 CA44			332	GRD04146 04-146	CP	044			TO IOP BASIC	0EARTSON CA64			019	EARTSON 04-154	CP	019							
	SUD051 CA41			301	SUD051 04-146	CP	303				SPARE CA44			333						UNIT CKT	0EARCVON CA64			020	EARCVON 04-154	CP	020							
	GRD04146 CA41			302	GRD04146 04-146	CP	044				SPARE CA44			334							0EAXMTON CA64			021	EAXMTON 04-154	CP	021							
	SUD061 CA41			303	SUD061 04-146	CP	305				SPARE CA44			335								0EARTSOP CA64			119	EARTSOP 04-154	CP	119						
	SUD071 CA41			304	SUD071 04-146	CP	306				SUERD1 CA44			336	SUERD1 04-146	CP	338					0EARCVOP CA64			120	EARCVOP 04-154	CP	120						
	GRD04146 CA41			305	GRD04146 04-146	CP	044				GRD04146 CA44			337								0EAXMTOP CA64			121	EAXMTOP 04-154	CP	121						
	SUD161 CA41			306	SUD161 04-146	CP	308				SPARE CA44			338																				
	SUD171 CA41			307	SUD171 04-146	CP	309				SUERD1 CA44			339	SUERD1 04-146	CP	044																	
	SUD181 CA41			308	SUD181 04-146	CP	310				SUERA1 CA44			340	SUERA1 04-146	CP	340																	
	SUD191 CA41			309	SUD191 04-146	CP	311				OCLR10 CA44			341	OCLR10 04-146	CP	341																	
				310							OWRTO CA44			342	OWRTO 04-146	CP	342																	
				311							GRD04146 CA44			343	GRD04146 04-146	CP	044																	
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CAD 105

EAI CABLE (BAY 1) FOR 38200 MODEL 3

CAD 106

EAI CABLE (BAY 1) FOR 38200 MODEL 3

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		C2	11B
AT&T BELL LABORATORIES		SD-4C098-01	GB13

0 1 2 3 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

CAD 107

EAT CABLE (BAY 0) FOR 3B200 MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J43				04-154	JACK/CP	(982AA,NOTE 1)			
TO IOP BASIC	0EARTS1N	CA65		016	EARTS1N	04-154	CP	016	
UNIT CKT	0EARCV1N	CA65		017	EARCV1N	04-154	CP	017	
	0EAXNT1N	CA65		018	EAXNT1N	04-154	CP	018	
	0EARTS1P	CA65		116	EARTS1P	04-154	CP	116	
	0EARCV1P	CA65		117	EARCV1P	04-154	CP	117	
	0EAXNT1P	CA65		118	EAXNT1P	04-154	CP	118	

CAD 110

(CONT'D)

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J46				04-028	JACK/CP	(982AC,NOTE 1)			
				(CONT'D)					
				518					

CAD 108

SCSD (TNS) CABLE (BAY 0) FOR 3B200 MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J44				04-162	JACK/CP	(982AB,NOTE 1)			
TO IOP BASIC	0SD02N	CA85		206	COOSN	04-162	CP	206	
UNIT CKT	0SD03N	CA85		207	CFQ1PN	04-162	CP	207	
	0SC02N	CA85		208	CSCYN	04-162	CP	208	
	0SC03N	CA85		209	CSDXN	04-162	CP	209	
	0SD02P	CA85		306	COOSP	04-162	CP	306	
	0SD03P	CA85		307	CRD1PP	04-162	CP	307	
	0SC02P	CA85		308	CSCYP	04-162	CP	308	
	0SC03P	CA85		309	CSCXP	04-162	CP	309	

CAD 111

MAINT. CH. CABLES (BAY 1) FOR 3B200 MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J47				04-028	JACK/CP	(982AC,NOTE 1)			
TO CAD 110	CLKAN	CA84		413	CLKAN	04-028	CP	414	
	XCKAN	CA84		414	XCKAN	04-028	CP	415	
	DALAN	CA84		415	DALAN	04-028	CP	416	
	DAHAN	CA84		416	DAHAN	04-028	CP	417	
	REGAN	CA84		417	REGAN	04-028	CP	418	
	CLKAP	CA84		418	CLKAP	04-028	CP	419	
	XCKAP	CA84		419	XCKAP	04-028	CP	420	
	DALAP	CA84		420	DALAP	04-028	CP	421	
	DAHAP	CA84		421	DAHAP	04-028	CP	422	
	REGAP	CA84		422	REGAP	04-028	CP	423	
				518					

CAD 109

SCSD (TNS) CABLE (BAY 1) FOR 3B200 MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J45				04-162	JACK/CP	(982AB,NOTE 1)			
TO IOP BASIC	1SD10N	CA88		206	COOSN	04-162	CP	206	
UNIT CKT	1SD11N	CA88		207	CRD1PN	04-162	CP	207	
	1SC10N	CA88		208	CSCYN	04-162	CP	208	
	1SC11N	CA88		209	CSDXN	04-162	CP	209	
	1SD10P	CA88		306	COOSP	04-162	CP	306	
	1SD11P	CA88		307	CRD1PP	04-162	CP	307	
	1SC10P	CA88		308	CSCYP	04-162	CP	308	
	1SC11P	CA88		309	CSCXP	04-162	CP	309	

CAD 112

AIM & COOLING UNIT START FOR 3B200 MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J48				04-178	JACK/UNIT	(982AA,NOTE 1)			
TO MS/IO AND	PAR	CA82		209	PAR	04-162	CP	219	
DFC UNIT CKT	MJR	CA82		210	MJR	04-162	CP	221	
	STAZO	CA82		211	STAZO	04-162	CP	107	
	PA	CA82		309	PA	04-162	CP	319	
	MJ	CA82		310	MJ	04-162	CP	321	
	INITDO	CA82		311	INITDO	04-162	CP	113	

CAD 110

MAINT. CH. CABLES (BAY 0) FOR 3B200 MODEL 3

TO CONNECTION				FROM CONNECTION				OPT	NOTE
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL		
.....J46				04-028	JACK/CP	(982AC,NOTE 1)			
TO CAD 111	CLKAN	CA84		413	CLKAN	04-028	CP	414	
	XCKAN	CA84		414	XCKAN	04-028	CP	415	
	DALAN	CA84		415	DALAN	04-028	CP	416	
	DAHAN	CA84		416	DAHAN	04-028	CP	417	
	REGAN	CA84		417	REGAN	04-028	CP	418	
	CLKAP	CA84		418	CLKAP	04-028	CP	419	
	XCKAP	CA84		419	XCKAP	04-028	CP	420	
	DALAP	CA84		420	DALAP	04-028	CP	421	
	DAHAP	CA84		421	DAHAP	04-028	CP	422	
	REGAP	CA84		422	REGAP	04-028	CP	423	

CENTRAL PROCESSING UNIT		DWG SIZE	ISSUE
		c2	11B
AT&T BELL LABORATORIES	SD-4C098-01	GB14	