

0 1 2 3 4 5 6 7 8 9

DWG ISS	CD ISS	DATE ISSD	DRN	APP
1	1 APX -	12-18-92		
2B	1 APX 1B	08-31-93		
3M	1 APX 2M	12-27-93		
4M	1 APX 3M	9-26-97		

CONTENTS	SHEET NO.	SHEET ISSUE NO.
SHEET INDEX SUPPORTING INFORMATION OPTION TABLE APPARATUS INDEX	A1	4
DESIGNATION MNEMONICS INDEX	A2	4
	A3	4
LEAD INDEX	A4	4
	A5	4
	A6	4
	A7	4
	A8	4
	A9	4
	A10	4
	A11	4
	A12	4
	A13	4
	A14	4
	A15	4
	A16	4
	A17	4
	A18	4
	A19	4
	A20	4
	A21	4
	A22	4
	A23	4
	A24	4
P/O FS 1 MESSAGE SWITCH CONTROL UNIT	B1	4
	B2	4
	B3	4
	B4	4
	B5	4
P/O FS 1 POWER AND GROUND LUGS	B6	4
P/O FS 2 MESSAGE SWITCH CONTROL UNIT	B7	4
	B8	4
	B9	4
	B10	4
	B11	4
	B12	4
	B13	4
	B14	4
	B15	4
	B16	4
P/O FS 2 POWER AND GROUND LUGS	B17	4

SHEET INDEX		
CONTENTS	SHEET NO.	SHEET ISSUE NO.
P/O FS 2 MESSAGE SWITCH CONTROL UNIT	B18	4
	B19	4
	B20	4
	B21	4
	B22	4
	B24	4
APPARATUS FIGURES 1, 2, 3, 4, & 5	C1	4
CIRCUIT NOTES	D1	4
EQUIPMENT NOTES	D2	4
INFORMATION NOTES	D3	4
UNIT SYMBOL TABLE OF CONTENTS	G1	4
CIRCUIT ACCESS REFERENCE DATA	G2	4
P/O CAD 1	G3	4
	G4	4
	G5	4
	G6	4
	G7	4
	G8	4
	G9	4
	G10	4
	G11	4
	G12	4
	G13	4

CONTENTS	SHEET NO.	SHEET ISSUE NO.
P/O CAD 1	G14	4
	G15	4
	G16	4
	G17	4
	G18	4
BD 1 INPUT/OUTPUT MICROPROCESSOR (IOMI)	H1	4
BD 2 MESSAGE SWITCH PERIPHERAL PROCESSOR (MSPP)	H2	4
BD 3 PUMP PERIPHERAL CONTROLLER (PPC)	H3	4
BD 4 FOUNDATION PERIPHERAL CONTROLLER (FPC)	H4	4
BD 5 IOP2/MSC3 BLOCK DIAGRAM (KBN10)	H5	4

OPTION INDEX			
APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
X	1	306	14/B4
W	1	306	14/B4
V	1	306	14/B4
T	2B	306	14/B4
S	2B	306, 307	14/B4
R	2B	306, 307	14/B4
Q	2B	306	14/B4
M	2B	306, 307	14/B4

DESIG	LOCATION		
	LOC	APP FIG	EQPT
FPCPPCCO	1E2	2	04-008
PWRCONV	1E7	2	04-024
MSPP-32	1E4	2	04-032
PPC	3D4	2	04-040
MSPP-42	4D4	2	04-048
FPC	5D4	2	04-056
C&D	8D4	2	04-066
PWRCONV2	9F4	2	04-082
IOP2/MSC3	16D4	2	04-155
IOMI-B	11D4	3	04-106
IOMI-C	12D4	4	04-120
IOMI-D	13E4	5	04-134

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AT13

5ESS[®] SWITCHING EQUIPMENT

**MESSAGE SWITCH CONTROL UNIT,
MODEL 3
CIRCUIT**

DWG SIZE C2	ISSUE 4M
Lucent Technologies SD-5D508-01	
SHEET A1 75	

SUPPORTING INFORMATION				SHEET INDEX NOTES
SYSTEM USED ON	DESIGN CONTROL	CATEGORY	NO.	
5ESS	IH			<ol style="list-style-type: none"> ONLY THE LATEST ISSUE, OR ISSUES IF CONCURRENT, ARE SHOWN IN THE INDEX. FOR REISSUES, A CHANGED OR NEW SHEET IS ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1. THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

0 1 2 3 4 5 6 7 8 9

DESIGNATION MNEMONICS INDEX

0 1 2 3 4 5 6 7 8 9

	<u>MNEMONIC</u>	<u>DEFINITION</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
	+CNTNSA	POWER CONVERTER CURRENT SENSE POSITIVE	ASCX3B1	FPC/PPC SCAN X LED FOR IOP 1	BRQIP3B	MSCU2 REQUEST IN PROGRESS SD
	-5PWR	5 VOLTS POWER FOR MSCU2	ASCX3B1R	FPC/PPC SCAN X RETURN FOR IOP 1	BRQIP3BR	MSCU2 REQUEST IN PROGRESS SD RETURN
	+5PWR01	5 VOLTS POWER FOR FPC/PPC	ASCY3BR0	FPC/PPC SCAN Y RETURN FOR IOP 0	BSCWR0	MSCU2 SCAN W RETURN FOR IOP 0
	-CNTNSA	POWER CONVERTER CURRENT SENSE NEGATIVE	ASCY3BR1	FPC/PPC SCAN Y RETURN FOR IOP 1	BSCWR1	MSCU2 SCAN W RETURN FOR IOP 1
	-48PWR	48 VOLT POWER	(A-B)SR0	PPC=A, FPC=B, SERVICE REQUEST	BSCW3B0	MSCU2 SCAN W FOR IOP 0
	-48RTN	48 VOLT RETURN	(A-B)XADDPH	PPC=A, FPC=B, EXTERNAL ADDRESS PARITY LOW	BSCW3B1	MSCU2 SCAN W FOR IOP 1
	(A-B)CSA0	PPC=A, FPC=B, CONTROL SIGNAL ACKNOWLEDGE	(A-B)XADDPL	PPC=A, FPC=B, EXTERNAL ADDRESS PARITY LOW	BSCX3B0	MSCU2 SCAN X FOR IOP 0
	ADGNRTN	FPC/PPC DIAGNOSTIC RETURN	(A-B)XADD(00-15)	PPC=A, FPC=B, EXTERNAL ADDRESS	BSCX3B0R	MSCU2 SCAN X RETURN FOR IOP 0
	ADGN3B	FPC/PPC DIAGNOSTIC SD	(A-B)XALWPGE	FPC=A, PPC=B, EXTERNAL ALLOW PROGRAMMING ERROR	BSCX3B1	MSCU2 SCAN X RETURN FOR IOP 1
	(A-D)DTAPER1	(A-D) INPUT/OUTPUT MICROPROCESSOR INTERFACE DATA PARITY ERROR	AXCLK86	FPC=A, PPC=B, EXTERNAL CLOCK 8086	BSCX3B1R	MSCU2 SCAN X RETURN FOR IOP 1
	(A-B)ENBYBYT	PPC=A, FPC=B, ENABLE BYTE BYTE	(A-B)XCSWIND	PPC=A, FPC=B, EXTERNAL CHIP SELECT WINDOW	BSCY3BR0	MSCU2 SCAN Y RETURN FOR IOP 0
	AENHIBYT	PPC=A, FPC=B, ENABLE HIGH BYTE	ACDATAFH	PPC=A, FPC=B, EXTERNAL DATA PARITY HIGH	BSCY3BR1	MSCU2 SCAN Y RETURN FOR IOP 1
	(A-B)ENLOBYT	PPC=A, FPC=B, ENABLE LO BYTE	(A-B)XDATAPL	PPC=A, FPC=B, EXTERNAL DATA PARITY LOW	BXC4MHZ	FPC EXTERNAL 4 MHZ CLOCK
	(A-B)ERR0	PPC=A, FPC=B, ERROR LEAD	(A-B)XDATA(00-15)	PPC=A, FPC=B, EXTERNAL DATA (00-15)	BXCLRESR	FPC EXTERNAL CLEAR ERROR DETECTION CIRCUIT
	AINT	FPC/PPC POWER CONVERTER INTERLOCK	(A-B)XINTACK	PPC=A, FPC=B, EXTERNAL INTERRUPT ACKNOWLEDGE	BXDATA0(0-7)	PPC=A, FPC=B, EXTERNAL DATA (0-7)
	AINTR	FPC/PPC POWER CONVERTER INTERLOCK RETURN	(A-B)XINTREQ	PPC=A, FPC=B, EXTERNAL INTERRUPT REQUEST	BXFUNC1	FPC EXTERNAL CONTINUOUS WAIT STATE
	(A-B)INTR0	PPC=A, FPC=B, INTERRUPT TO PIC2	(A-B)XIORD0	PPC=A, FPC=B, EXTERNAL INPUT/OUTPUT READ	BXPWRST	FPC EXTERNAL POWER RESTART
	(A-H)INTSUM0	(A-H) IOMI INTERRUPT SUMMARY	(A-B)XIOWT0	PPC=A, FPC=B, EXTERNAL INPUT/OUTPUT WRITE	CCLOCK1	CONTINUOUS SYSTEM CLOCK ONE
	ALMC(1-2)	ALARM CIRCUIT 1 OR 2 FOR FPC/PPC	(A-B)XLATCH0	PPC=A, FPC=B, EXTERNAL LATCH	CDS(1-3)	CONTROL AND DISPLAY SCAN POINT (1-3)
	ALMC2R	ALARM CIRCUIT 2R FOR FPC/PPC	AXMEMRD0	PPC=A EXTERNAL MEMORY READ	CINT(A-D)(0-3)0	COMMAND INTERRUPT IOM(A-D), COMMUNITY (0-3)
	ALRM(A-B)	ALARM CIRCUIT A FOR MSCU2	AXMEMWT0	PPC=A EXTERNAL MEMORY WRITE	CLK00(P,N)	SERIAL CHANNEL ZERO CLOCK OUT (POSITIVE, NEGATIVE)
	ALRMAR	ALARM CIRCUIT AR FOR MACU2	(A-B)XMEM110	PPC=A, FPC=B, EXTERNAL MEMORY INPUT/OUTPUT	CLK10(P,N)	SERIAL CHANNEL ONE CLOCK OUT (POSITIVE, NEGATIVE)
	AMPF0Y	FPC/PPC SCAN Y	(A-B)X10MINT	PPC=A, FPC=B, EXTERNAL 10 MILLISECOND INTERRUPT	CLOCKQH	SYSTEM CLOCK QH
	AMPF1Y	FPC/PPC SCAN Y RETURN	BADDZPE0	FPC ADDRESS PARITY	CLOCK1	SYSTEM CLOCK ONE
	AOSR	FPC/PPC OOS SD RETURN	BCMDINT0	FPC COMMAND INTERRUPT	CLRP(A-D)(0-3)	CLEAR PC, IOM(A-D), COMMUNITY (0-3)
	A00S3B	FPC/PPC OOS SD	BDATZPE0	FPC DATA PARITY	CMDINT0	COMMAND INTERRUPT
	APBHED	PPC=A, FPC=B, PERIPHERAL BUS ENABLE	BDGNRTN	MSCU2 DIAGNOSTIC SD RETURN	CSA(A-D)(0-3)(0-3)0	CONTROL SIGNAL ACKNOWLEDGE IOMI (A-D), COMMUNITY(0-3), PC(0-3)
	(A-B)PCSEL0	PPC=A, FPC=B, PC SELECT	BDGN3B	MSCU2 DIAGNOSTIC SD	CYCEND1	SYSTEM CLOCK CYCLE END
	APUMPCS0	PPC CHIP SELECT	BINT	FPC/PPC POWER CONVERTER INTERLOCK	DAH0B(P,N)	SERIAL CHANNEL ZERO DATA (POSITIVE, NEGATIVE)
	AP(1-2)IN	PPC=1, FPC=2 EQUIPPED APPLICATION PIN 1 OR 2	BINTR	MSCU2 POWER CONVERTER INTERLOCK	DAH1B(P,N)	SERIAL CHANNEL ONE DATA HIGH (POSITIVE, NEGATIVE)
	ARQIP3B	FPC/PPC REQUEST IN PROGRESS	BMPF0Y	MSCU2 SCAN Y FOR IOP 0	DAL0B(P,N)	SERIAL CHANNEL ZERO DATA (POSITIVE, NEGATIVE)
	ARQIP3BR	FPC/PPC REQUEST IN PROGRESS RETURN	BMPF1Y	MSCU2 SCAN Y FOR IOP 1	DAL1B(P,N)	SERIAL CHANNEL ONE DATA (POSITIVE, NEGATIVE)
	ASCWR0	FPC/PPC SCAN W RETURN FOR IOP 0	BOOSR	MSCU2 OOS SD RETURN	DBP(L,H)1	DATABUS PARITY (LOW,HIGH)
	ASCWR1	FPC/PPC SCAN W RETURN FOR IOP 1	BOOS3B	MSCU2 OOS SD	DB(00-15)1	DATA BUS (00-15)
	ASCW3B0	FPC/PPC SCAN W FOR IOP 0	BP2IN	PPC=1, FPC=2, EQUIPPED APPLICATION PIN 2	DMA(A-D)(00-15)1	DMA ADDRESS FOR FPC/PPC
	ASCW3B1	FPC/PPC SCAN W FOR IOP 1			DMA(A-D)(0-3)(00-15)1	DMA ADDRESS, IOMI (A-D), COMMUNITY (0-3), ADDRESS (00-15)
	ASCX3B0	FPC/PPC SCAN X FOR IOP 0			DMADAPI	DMA DATA PARITY
	ASCX3B0R	FPC/PPC SCAN X RETURN FOR IOP 0				

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MESSAGE SWITCH CONTROL UNIT, MODEL 3		DWG SIZE C2
		ISSUE 4M
Lucent Technologies	SD-5D508-01	SHEET A2

0 1 2 3 4 5 6 7 8 9

DESIGNATION MNEMONICS INDEX

0 1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G
H

A
B
C
D
E
F
G
H

<u>MNEMONIC</u>	<u>DEFINITION</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
DMAD(A-D)(0-3)(0-8)1	DMA DATA, IOMI (A-D), COMMUNITY (0-3), BIT (0-8)	P1CLK(P,N)	PUMP PERIPHERAL CONTROLLER SIDE 1 CLOCK (NEG, POS)	0STACDAL	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS	1TMSSEL(0-1)	SIDE 1, TMS SELECT (POS, INVERTED)
DMADA(0-7)1	DMA DATA FOR FPC/PPC	P1SYNC(P,N)	PUMP PERIPHERAL CONTROLLER SIDE 1 SYNC (POS, NEG)	0TMSIT1(0-1)	SIDE 0, TMS INTERRUPT (POS, INVERTED)	1TMSRR(0-1)	SIDE 1, TMS SERVICE REQUEST (POS, INVERTED)
DMAOC(A-D)(0-3)0	DMA OPERATION COMPLETE IOMI (A-D) COMMUNITY (0-3)	P1TDATA(P,N)	PUMP PERIPHERAL CONTROLLER SIDE 1 TRANSMIT DATA CLOCK (POS, NEG)	0TMSRDY(0-1)	SIDE 0, TMS READY (POS, INVERTED)	1TRCLK(0-1)	SIDE 1, TRANSMIT RECEIVE CLOCK (POS, INVERTED)
DMAOPC0	PERIPHERAL CONTROLLER DIRECT MEMORY ACCESS COMPLETED	REQ0B(P,N)	SERIAL CHANNEL ZERO REQUEST (POSITIVE, NEGATIVE)	0TMSSEL(0-1)	SIDE 0, TMS RESET (POS, INVERTED)	1TRMDAT(0-1)	SIDE 1, TRANSMIT DATA (POS, INVERTED)
DMARD(A-D)(0-3)0	DMA READ IOMI (A-D), COMMUNITY (0-3)	REQ1B(P,N)	SERIAL CHANNEL ONE REQUEST (POSITIVE, NEGATIVE)	0TMSSEL(0-1)	SIDE 0, TMS SELECT (POS, INVERTED)	48FEDA	-48 VOLT TEST FEED
DMARD0	FPC/PPC READ SIGNAL	RISL8(A-D)(0-3)0	RESET PC ISOLATE FLIP-FLOP IOMI (A-D), COMMUNITY (0-3)	0TMSRR(0-1)	SIDE 0, TMS SERVICE REQUEST (POS, INVERTED)	48GRDA	-48 VOLT TEST RETURN
DMAREQ0	DMA REQUEST FPC/PPC	RISOL0	RESET FPC/PPC ISOLATE FLIP FLOPS	0TRCLK(0-1)	SIDE 0, TRANSMIT RECEIVE CLOCK (POS, INVERTED)		
DMARQ(A-D)(0-3)0	DMA REQUEST IOMI (A-D), COMMUNITY (0-3)	RS(1-3)	FPC/PPC REMOTE START AND SHUTDOWN (1-3)	0TRMDAT(0-1)	SIDE 0, TRANSMIT DATA (POS, INVERTED)		
DMAWR(A-D)(0-3)0	DMA WRITE IOMI (A-D), COMMUNITY (0-3)	RVS	REMOTE VOLTAGE SENSE	01TVLOP(B,D)	01 TEST VECTOR LOOP (B-D)		
DMAWT0	DMA WRITE SIGNAL FOR FPC/PPC	SHRTA	CONVERTER CONTROL SIGNAL	03TVLOP(A,D)	03 TEST VECTOR LOOP (A-D)		
DST(0-4)1	DESTINATION FIELD (0-4)	SISL8(A-D)(0-3)0	SET ISOLATE FLIP FLOP IOMI (A-D), COMMUNITY (0-3)	05TVLOP(B,D)	05 TEST VECTOR LOOP (B-D)		
ER(A-D)(0-3)0	PC ERROR IOMI A-D, COMMUNITY (0-3)	SISOL0	SET ISOLATE	1ACCDALR	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN		
GRDLUG	GROUND LUG	SR(A-D)(0-3)(0-3)0	SERVICE REQUEST IOMI (A-D), COMMUNITY, (0-3), PC (0-3)	1ACTCDAL	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS		
GRD04(024-178)	GROUND TERMINAL	SRC(0-4)1	SOURCE FIELD (0-4)	1DATVAL(0-1)	SIDE 1, DATA VALID (POS, INVERTED)		
INITPC0	INITIALIZE PERIPHERAL CONTROLLERS	XCLK0(P,N)	TRANSMIT SERIAL CHANNEL ZERO CLOCK (POSITIVE, NEGATIVE)	1LIINT1(0-1)	SIDE 1, LINK INTERFACE (POS, INVERTED)		
INT(A-D)(0-3)(0-3)0	PC INTERRUPT IOMI (A-D), COMMUNITY (0-3), PC (0-3)	XCLK1(P,N)	TRANSMIT SERIAL CHANNEL ONE CLOCK (POSITIVE, NEGATIVE)	1LISEL(0-1)	SIDE 1, LINK INTERFACE SELECT (POS, INVERTED)		
IOMIP(A-D)1	IOMI PARITY INTERRUPT (A-D)	0ACCDALR	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN	1MIINT1(0-1)	SIDE 1, MESSAGE INTERFACE INTERRUPT (POS, INVERTED)		
MANOVR(0-1)	MANUAL OVER RIDE DIAGNOSTIC SCAN POINT FOR IOP(0-1)	0ACTCDAL	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS	1MISEL(0-1)	SIDE 1, MESSAGE INTERFACE SELECT (POS, INVERTED)		
MANRTN(0-1)	MANUAL OVER RIDE DIAGNOSTIC SCAN POINT RETURN FOR IOP (0-1)	0DATVAL(0-1)	SIDE 0, DATA VALID (POS, INVERTED)	1NCKIT1(0-1)	SIDE 1, NETWORK CLOCK INTERRUPT (POS, INVERTED)		
NCURPR	NEGATIVE CURRENT PROGRAMMING RESISTOR LEAD	0LIINT1(0,1)	SIDE 0, LINK INTERFACE INTERRUPT (POS, INVERTED)	1NCKSEL(0-1)	SIDE 1, NETWORK CLOCK SELECT (POS, INVERTED)		
OOL(A-D)(0-3)0	OUT OF LEVEL (IOMI A-D), PC COMMUNITY (0-3)	0LISEL(0,1)	SIDE 0, LINK INTERFACE SELECT (POS, INVERTED)	1RCVDAT(0-1)	SIDE 1, RECEIVE DATA (POS, INVERTED)		
OOS+I	MARK CONVERTER OUT OF SERVICE	0MIINT1(0-1)	SIDE 0, MESSAGE INTERFACE INTERRUPT (POS, INVERTED)	1SACDALR	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN		
OOS-I	-48 POWER OUT OF SERVICE	0MISEL(0-1)	SIDE 0, MESSAGE INTERFACE SELECT (POS, INVERTED)	1STACDAL	SIDE 1, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS		
OUTSRVC(1,2)	CONVERTER OUT OF SERVICE SIGNAL (1,2)	0MCKIT1(0-1)	SIDE 0, NETWORK CLOCK INTERRUPT (POS, INVERTED)	1TMSIT1(0-1)	SIDE 1, TMS INTERRUPT (POS, INVERTED)		
PCSL(A-D)(0-3)(0-3)0	PC SELECT IOMI(A-D), COMMUNITY (0-3) PC (0-3)	0NCKSEL(0-1)	SIDE 0, NETWORK CLOCK SELECT (POS, INVERTED)	1TMSRDY(0-1)	SIDE 1, TMS READY (POS, INVERTED)		
PCURPR	POSITIVE CURRENT PROGRAMMING RESISTOR LEAD	0RCVDAT(0-1)	SIDE 0, RECEIVE DATA (POS, INVERTED)	1TMSRST(0-1)	SIDE 1, TMS RESET (POS, INVERTED)		
P0CLK(P,N)	PUMP PERIPHERAL SIDE 0 CLOCK (NEG, POS)	0SACDALR	SIDE 0, CONTROL AND DIAGNOSTIC ACCESS LINK, ACTIVE FPC STATUS RETURN				
P0RDATAN(P,N)	PUMP PERIPHERAL CONTROLLER SIDE 0 RECEIVE DATA (NEG, POS)						
P0SYNC(P,N)	PUMP PERIPHERAL CONTROLLER SIDE 0 SYNC (NEG, POS)						
P0TDATA(P,N)	PUMP PERIPHERAL CONTROLLER SIDE 0 TRANSMIT DATA (NEG, POS)						

0 1 2 3 4 5 6 7 8 9

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MESSAGE SWITCH CONTROL UNIT, MODEL 3		DWG SIZE C2
		ISSUE 4M
Lucent Technologies	SD-5D508-01	SHEET A3

A
B
C
D
E
F
G
H

1 LEAD INDEX							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
+5PWR	PWRCONV2	04-082	045	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	046	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	047	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	048	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	049	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	050	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	051	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	052	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	053	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	054	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	055	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	056	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	118	IO SB (+)	B9/G3		
+5PWR	PWRCONV2	04-082	145	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	146	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	147	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	148	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	149	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	150	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	151	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	152	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	153	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	154	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	155	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	156	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	245	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	246	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	247	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	248	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	249	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	250	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	251	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	252	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	253	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	254	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	255	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	256	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	345	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	346	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	347	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	348	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	349	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	350	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	351	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	352	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	353	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	354	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	355	P VOUT. 1(+)	B9/G3		
+5PWR	PWRCONV2	04-082	356	P VOUT. 1(+)	B9/G3		
+5PWR	IOI-A	04-090	000	P VCC	B10/F3		
+5PWR	IOI-A	04-090	032	P VCC	B10/F3		
+5PWR	IOI-A	04-090	100	P VCC	B10/F3		
+5PWR	IOI-A	04-090	122	P VCC	B10/F3		
+5PWR	IOI-A	04-090	256	P VCC	B10/F3		
+5PWR	IOI-B	04-106	000	P VCC	B11/F3		
+5PWR	IOI-B	04-106	032	P VCC	B11/F3		
+5PWR	IOI-B	04-106	100	P VCC	B11/F3		
+5PWR	IOI-B	04-106	132	P VCC	B11/F3		
+5PWR	IOI-B	04-106	224	P VCC	B11/F3		
+5PWR	IOI-B	04-106	256	P VCC	B11/F3		
+5PWR	IOI-C	04-120	000	P VCC	B12/F3		
+5PWR	IOI-C	04-120	032	P VCC	B12/F3		
+5PWR	IOI-C	04-120	100	P VCC	B12/F3		
+5PWR	IOI-C	04-120	132	P VCC	B12/F3		
+5PWR	IOI-C	04-120	224	P VCC	B12/F3		
+5PWR	IOI-C	04-120	256	P VCC	B12/F3		
+5PWR	IOI-D	04-134	000	P VCC	B13/G3		
+5PWR	IOI-D	04-134	032	P VCC	B13/G3		
+5PWR	IOI-D	04-134	100	P VCC	B13/G3		
+5PWR	IOI-D	04-134	132	P VCC	B13/G3		
+5PWR	IOI-D	04-134	224	P VCC	B13/G3		
+5PWR	IOI-D	04-134	256	P VCC	B13/G3		
+5PWR	MSC3	04-155	005	P VCC	B16/G3		
+5PWR	MSC3	04-155	024	P VCC	B16/G3		
+5PWR	MSC3	04-155	032	P VCC	B16/G3		
+5PWR	MSC3	04-155	056	P VCC	B16/G3		
+5PWR	MSC3	04-155	205	P VCC	B16/G3		
+5PWR	MSC3	04-155	224	P VCC	B16/G3		
+5PWR	MSC3	04-155	256	P VCC	B16/G3		
+5PWR	MSC3	04-155	405	P VCC	B16/G3		
+5PWR	MSC3	04-155	424	P VCC	B16/G3		
+5PWR	MSC3	04-155	432	P VCC	B16/G3		
+5PWR	MSC3	04-155	456	P VCC	B16/G3		
+5PWR	MSC3	04-155	605	P VCC	B16/G3		
+5PWR	MSC3	04-155	624	P VCC	B16/G3		
+5PWR	MSC3	04-155	632	P VCC	B16/G3		
+5PWR	MSC3	04-155	656	P VCC	B16/G3		
+5PWR01	PWRCONV	04-024	019	IO SC (+)	B1/F5		
+5PWR01	PWRCONV	04-024	045	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	046	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	047	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	048	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	049	P VOUT. 1(+)	B1/F5		

2 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
+5PWR01	PWRCONV	04-024	050	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	051	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	052	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	053	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	054	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	055	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	056	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	145	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	146	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	147	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	148	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	149	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	150	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	151	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	152	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	153	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	154	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	155	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	156	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	245	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	246	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	247	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	248	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	249	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	250	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	251	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	252	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	253	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	254	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	255	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	256	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	345	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	346	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	347	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	348	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	349	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	350	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	351	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	352	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	353	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	354	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	355	P VOUT. 1(+)	B1/F5		
+5PWR01	PWRCONV	04-024	356	P VOUT. 1(+)	B1/F5		
+5PWR01	MSPP-032	04-032	000	P VCC	B2/F2		
+5PWR01	MSPP-032	04-032	001	P VCC	B2/F2		
+5PWR01	MSPP-032	04-032	100	P VCC	B2/F2		
+5PWR01	MSPP-032	04-032	101	P VCC	B2/F2		
+5PWR01	MSPP-032	04-032	210	I VCC	B2/F2		
+5PWR01	MSPP-032	04-032	310	I VCC	B2/F2		
+5PWR01	MSPP-032	04-032	315	I +5PWRI	B2/F2		
+5PWR01	MSPP-032	04-032	323	I VPP	B2/F2		
+5PWR01	04-036	04-036	006	P VCC	B7/B4	*	
+5PWR01	PPC	04-040	000	P +5	B3/G3		
+5PWR01	PPC	04-040	001	P +5	B3/G3		
+5PWR01	PPC	04-040	100	P +5	B3/G3		
+5PWR01	PPC	04-040	101	P +5	B3/G3		
+5PWR01	MSPP-048	04-048	000	P VCC	B4/F1		
+5PWR01	MSPP-048	04-048	001	P VCC	B4/F1		
+5PWR01	MSPP-048	04-048	100	P VCC	B4/F1		
+5PWR01	MSPP-048	04-048	101	P VCC	B4/F1		
+5PWR01	MSPP-048	04-048	210	I VCC	B4/F1		
+5PWR01	MSPP-048	04-048	310	I VCC	B4/F1		
+5PWR01	MSPP-048	04-048	315	I +5PWRI	B4/F1		
+5PWR01	FPC	04-056	000	P +5	B5/F3		
+5PWR01	FPC	04-056	001	P +5	B5/F3		
+5PWR01	FPC	04-056	100	P +5	B5/F3		
+5PWR01	FPC	04-056	101	P +5	B5/F3		
+CNTNSNSA	PWRCONV2	04-082	017	I CP (+)	B9/G3		
+CNTNSNSA	IOI-A	04-090	339	IO PCURPR	B10/F3		
+CNTNSNSA	IOI-B	04-106	339	IO PCURPR	B11/F3		
+CNTNSNSA	IOI-C	04-120	339	IO PCURPR	B12/F3		
+CNTNSNSA	IOI-D	04-134	339	IO PCURPR	B13/G3		
+CNTNSNSA	MSC3	04-155	512	IO PCURPR	B16/G3		
-48PWRA	02-013	02-013	004	P	B6/C1	*	
-48PWRA	E2	02-013-004	1	P PWR1	B6/C2		
-48PWRA	E2	02-013-004	2	P PWR2	B6/C2		
-48PWRA	E2	02-013-004	3	P PWR3	B6/C2		
-48PWRA	E2	02-013-004	4	P PWR4	B6/C2		
-48PWRA	FPCPPCCD	04-008	006	P -48V	B1/F0		
-48PWRA	FPCPPCCD	04-008	007	P -48V	B1/F0		
-48PWRA	FPCPPCCD	04-008	008	P -48V	B1/F0		
-48PWRA	FPCPPCCD	04-008	106	P -48V	B1/F0		
-48PWRA	FPCPPCCD	04-008	107	P -48V	B1/F0		
-48PWRA	FPCPPCCD	04-008	108	P -48V	B1/F0		
-48PWRA	PWRCONV	04-024	006	I VIN (-)	B1/F5		
-48PWRA	PWRCONV	04-024	007	I VIN (-)	B1/F5		
-48							

4 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
-48RTNB	PWRCONV2	04-082	204	I	VIN(+)	B9/G3	
-48RTNB	PWRCONV2	04-082	205	I	VIN(+)	B9/G3	
-48RTNB	PWRCONV2	04-082	302	I	VIN(+)	B9/G3	
-48RTNB	PWRCONV2	04-082	303	I	VIN(+)	B9/G3	
-48RTNB	PWRCONV2	04-082	304	I	VIN(+)	B9/G3	
-CNTNSA	PWRCONV2	04-082	117	I	CP(-)	B9/G3	
-CNTNSA	IOMI-A	04-090	239	IO	NCURPR	B10/F3	
-CNTNSA	IOMI-B	04-106	239	IO	NCURPR	B11/F3	
-CNTNSA	IOMI-C	04-120	239	IO	NCURPR	B12/F3	
-CNTNSA	IOMI-D	04-134	239	IO	NCURPR	B13/G3	
-CNTNSA	MSC3	04-155	513	IO	NCURPR	B16/G3	
01TVLOPB	MSPP-032	04-032	216	IO	NC216	B2/F2	
01TVLOPB	MSPP-032	04-032	316	IO	NC316	B2/F2	
01TVLOPD	MSPP-032	04-032	214	IO	NC214	B2/F2	
01TVLOPD	MSPP-032	04-032	314	IO	NC314	B2/F2	
03TVLOPA	PPC	04-040	011	I	CKWDCTRI	B3/G3	
03TVLOPA	PPC	04-040	111	O	CKWDCTRO	B3/G3	
03TVLOPB	PPC	04-040	010	I	CLKSPSR1	B3/G3	
03TVLOPB	PPC	04-040	110	O	CLKSPSR0	B3/G3	
03TVLOPC	PPC	04-040	009	I	RDBUFMI	B3/G3	
03TVLOPC	PPC	04-040	109	O	RDBUFMO	B3/G3	
03TVLOPD	PPC	04-040	008	I	CLKFTBU1	B3/G3	
03TVLOPD	PPC	04-040	108	O	CLKFTBU0	B3/G3	
05TVLOPB	MSPP-048	04-048	216	IO	NC216	B4/F1	
05TVLOPB	MSPP-048	04-048	316	IO	NC316	B4/F1	
05TVLOPD	MSPP-048	04-048	214	IO	NC214	B4/F1	
05TVLOPD	MSPP-048	04-048	314	IO	NC314	B4/F1	
0ACCDALR	FPC	04-056	423	O	0ACCDALR	B5/F3	*
0ACTCDAL	FPC	04-056	523	O	0ACTCDAL	B5/F3	*
0DATVAL0	FPC	04-056	417	O	0DATVAL0	B5/F3	*
0DATVAL1	FPC	04-056	517	O	0DATVAL1	B5/F3	*
0LIINT10	FPC	04-056	521	I	0LIINT10	B5/F3	*
0LIINT11	FPC	04-056	421	I	0LIINT11	B5/F3	*
0LISELO	FPC	04-056	415	O	0LISELO	B5/F3	*
0LISEL1	FPC	04-056	515	O	0LISEL1	B5/F3	*
0MIINT10	FPC	04-056	533	I	0MIINT10	B5/F3	*
0MIINT11	FPC	04-056	433	I	0MIINT11	B5/F3	*
0MISELO	FPC	04-056	535	O	0MISELO	B5/F3	*
0MISEL1	FPC	04-056	435	O	0MISEL1	B5/F3	*
0NCKIT10	FPC	04-056	520	I	0NCKIT10	B5/F3	*
0NCKIT11	FPC	04-056	420	I	0NCKIT11	B5/F3	*
0NCKSELO	FPC	04-056	414	O	0NCKSELO	B5/F3	*
0NCKSEL1	FPC	04-056	514	O	0NCKSEL1	B5/F3	*
0RCVDAT0	FPC	04-056	418	I	0RCVDAT0	B5/F3	*
0RCVDAT1	FPC	04-056	518	I	0RCVDAT1	B5/F3	*
0SACDALR	FPC	04-056	422	I	0SACDALR	B5/F3	*
0STACDAL	FPC	04-056	522	I	0STACDAL	B5/F3	*
0TMSIT10	FPC	04-056	534	I	0TMSIT10	B5/F3	*
0TMSIT11	FPC	04-056	434	I	0TMSIT11	B5/F3	*
0TMSRDY0	FPC	04-056	437	I	0TMSRDY0	B5/F3	*
0TMSRDY1	FPC	04-056	537	I	0TMSRDY1	B5/F3	*
0TMSRST0	FPC	04-056	532	O	0TMSRST0	B5/F3	*
0TMSRST1	FPC	04-056	432	O	0TMSRST1	B5/F3	*
0TMSSELO	FPC	04-056	536	O	0TMSSELO	B5/F3	*
0TMSSEL1	FPC	04-056	436	O	0TMSSEL1	B5/F3	*
0TMSR0	FPC	04-056	524	I	0TMSR0	B5/F3	*

5 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
0TMSSR1	FPC	04-056	424	I	0TMSSR1	B5/F3	*
0TRCLK0	FPC	04-056	416	O	0TRCLK0	B5/F3	*
0TRCLK1	FPC	04-056	516	O	0TRCLK1	B5/F3	*
0TRMDAT0	FPC	04-056	419	O	0TRMDAT0	B5/F3	*
0TRMDAT1	FPC	04-056	519	O	0TRMDAT1	B5/F3	*
1ACCDALR	FPC	04-056	455	O	1ACCDALR	B5/F3	*
1ACTCDAL	FPC	04-056	555	O	1ACTCDAL	B5/F3	*
1DATVAL0	FPC	04-056	449	O	1DATVAL0	B5/F3	*
1DATVAL1	FPC	04-056	549	O	1DATVAL1	B5/F3	*
1LIINT10	FPC	04-056	553	I	1LIINT10	B5/F3	*
1LIINT11	FPC	04-056	453	I	1LIINT11	B5/F3	*
1LISELO	FPC	04-056	447	O	1LISELO	B5/F3	*
1LISEL1	FPC	04-056	547	O	1LISEL1	B5/F3	*
1MIINT10	FPC	04-056	539	I	1MIINT10	B5/F3	*
1MIINT11	FPC	04-056	439	I	1MIINT11	B5/F3	*
1MISELO	FPC	04-056	541	O	1MISELO	B5/F3	*
1MISEL1	FPC	04-056	441	O	1MISEL1	B5/F3	*
1NCKIT10	FPC	04-056	552	I	1NCKIT10	B5/F3	*
1NCKIT11	FPC	04-056	452	I	1NCKIT11	B5/F3	*
1NCKSELO	FPC	04-056	446	O	1NCKSELO	B5/F3	*
1NCKSEL1	FPC	04-056	546	O	1NCKSEL1	B5/F3	*
1RCVDAT0	FPC	04-056	450	I	1RCVDAT0	B5/F3	*
1RCVDAT1	FPC	04-056	550	I	1RCVDAT1	B5/F3	*
1SACDALR	FPC	04-056	454	I	1SACDALR	B5/F3	*
1STACDAL	FPC	04-056	554	I	1STACDAL	B5/F3	*
1TMSIT10	FPC	04-056	540	I	1TMSIT10	B5/F3	*
1TMSIT11	FPC	04-056	440	I	1TMSIT11	B5/F3	*
1TMSRDY0	FPC	04-056	443	I	1TMSRDY0	B5/F3	*
1TMSRDY1	FPC	04-056	543	I	1TMSRDY1	B5/F3	*
1TMSRST0	FPC	04-056	538	O	1TMSRST0	B5/F3	*
1TMSRST1	FPC	04-056	438	O	1TMSRST1	B5/F3	*
1TMSSELO	FPC	04-056	542	O	1TMSSELO	B5/F3	*
1TMSSEL1	FPC	04-056	442	O	1TMSSEL1	B5/F3	*
1TMSR0	FPC	04-056	556	I	1TMSR0	B5/F3	*
1TMSR1	FPC	04-056	456	I	1TMSR1	B5/F3	*
1TRCLK0	FPC	04-056	448	O	1TRCLK0	B5/F3	*
1TRCLK1	FPC	04-056	548	O	1TRCLK1	B5/F3	*
1TRMDAT0	FPC	04-056	451	O	1TRMDAT0	B5/F3	*
1TRMDAT1	FPC	04-056	551	O	1TRMDAT1	B5/F3	*
ACSA0	MSPP-032	04-032	202	O	CSA0	B2/F2	
ACSA0	04-036	04-036	016	O		B7/B4	*
ADGN3B	04-007	04-007	022	IO		B7/E1	*
ADGN3B	FPCPPCCD	04-008	137	IO	NC	B1/F0	
ADGN3B	FPCPPCCD	04-008	150	I	DGN3B	B1/F0	
ADGN3B	C&D	04-066	049	O	DGNFANR	B8/F3	
ADGNRTN	FPCPPCCD	04-008	037	IO	NC	B1/F0	
ADGNRTN	FPCPPCCD	04-008	048	O	DGNFANS	B1/F0	
ADGNRTN	FPCPPCCD	04-008	050	I	DGNRTN	B1/F0	
ADTAPER1	IOMI-A	04-090	400	O	DTAPER01	B10/F3	
ADTAPER1	MSC3	04-155	334	I	NC	B16/G3	
AENBYBYT	MSPP-032	04-032	134	I	ENBYBYTO	B2/F2	
AENBYBYT	PPC	04-040	134	O	ENBYBYTO	B3/G3	

6 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
AENHIBYT	MSPP-032	04-032	035	I	ENHIBYTO	B2/F2	
AENHIBYT	PPC	04-040	035	O	ENHIBYTO	B3/G3	
AENLOYBT	MSPP-032	04-032	034	I	ENLOYBYTO	B2/F2	
AENLOYBT	PPC	04-040	034	O	ENLOYBYTO	B3/G3	
AERRO	MSPP-032	04-032	102	O	ERR0	B2/F2	
AERRO	04-036	04-036	007	O		B7/B4	*
AINT	FPCPPCCD	04-008	116	O	INT	B1/F0	
AINT	PWRCONV	04-024	112	I	INT	B1/F5	
AINTR	FPCPPCCD	04-008	115	IO	INTR	B1/F0	
AINTR	PWRCONV	04-024	012	IO	INT	B1/F5	
AINTR0	MSPP-032	04-032	302	O	INTR0	B2/F2	
AINTR0	04-039	04-039	022	O		B7/E5	*
AINTSUM0	IOMI-A	04-090	552	O	INTSUM00	B10/F3	
AINTSUM0	MSC3	04-155	147	I	NC	B16/G3	
ALMC1	FPCPPCCD	04-008	123	O	CARD	B1/F0	
ALMC1	FPCPPCCD	04-008	148	I	PINT	B1/F0	
ALMC1	PWRCONV	04-024	113	O	ALM1	B1/F5	
ALMC2	FPCPPCCD	04-008	117	I	AD	B1/F0	
ALMC2	FPCPPCCD	04-008	145	IO	NC	B1/F0	*
ALMC2	PWRCONV	04-024	014	O	ALM2	B1/F5	
ALMC2R	FPCPPCCD	04-008	146	O	TSTA	B1/F0	*
ALRMA	C&D	04-066	117	I	AD	B8/F3	
ALRMA	C&D	04-066	145	IO	NC	B8/F3	*
ALRMA	PWRCONV2	04-082	014	O	ALM2	B9/G3	
ALRMAR	C&D	04-066	146	O	TSTA	B8/F3	*
ALRMB	C&D	04-066	123	O	CARD	B8/F3	
ALRMB	C&D	04-066	148	I	PINT	B8/F3	
ALRMB	PWRCONV2	04-082	113	O	ALM1	B9/G3	
AMPFOY	04-007	04-007	048	O		B7/F1	*
AMPFOY	FPCPPCCD	04-008	153	O	MPF01	B1/F0	
AMPFLY	04-007	04-007	035	O		B7/F1	*
AMPFLY	FPCPPCCD	04-008	140	O	MPF02	B1/F0	
AOOS3B	04-007	04-007	033	I		B7/F1	*
AOOS3B	04-007	04-007	046	I		B7/F1	*
AOOS3B	FPCPPCCD	04-008	138	IO	NC	B1/F0	
AOOS3B	FPCPPCCD	04-008	151	I	OOS3B	B1/F0	
AOOSR	04-006	04-006	033	I		B7/B1	*
AOOSR	04-006	04-006	046	I		B7/B1	*
AOOSR	FPCPPCCD	04-008	038	IO	NC	B1/F0	
AOOSR	FPCPPCCD	04-008	051	I	OOSR	B1/F0	
AP1IN	MSPP-032	04-032	037	I	P1IN	B2/F2	
AP1IN	PPC	04-040	037	G	GRD1	B3/G3	
AP2IN	MSPP-032	04-032	118	I	P2IN	B2/F2	
AP2IN	PPC	04-040	118	G	GRD2	B3/G3	
APBHE0	MSPP-032	04-032	018	IO	PBHE0	B2/F2	
APBHE0	PPC	04-040	018	I	PBHE0	B3/G3	
APCSELO	MSPP-032	04-032	305	I	PCSELO	B2/F2	
APCSELO	04-037	04-037	003	I		B7/E4	*
APUMPCSO	MSPP-032	04-032	119	O	PUMPCSO	B2/F2	
APUMPCSO	PPC	04-040	119	I	PUMPCSO	B3/G3	
ARQIP3B	04-007	04-007	034	I		B7/F1	*
ARQIP3B	04-007	04-007	047	I		B7/F1	*
ARQIP3B	FPCPPCCD	04-008	139	IO	NC	B1/F0	

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MESSAGE SWITCH CONTROL UNIT,
MODEL 3

DWG SIZE: C2
ISSUE: 4M

Lucent Technologies SD-5D508-01
SHEET A5

7 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	SYMLOC XT
ARQIP3B	FPCPPCCD	04-008		152	I	RQIP3B	B1/F0
ARQIP3BR	04-006	04-006	034	I		B7/B1	*
ARQIP3BR	04-006	04-006	047	I		B7/B1	*
ARQIP3BR	FPCPPCCD	04-008	039	IO	NC	B1/F0	
ARQIP3BR	FPCPPCCD	04-008	052	I	RQIP3BR	B1/F0	
ASCW3B0	04-007	04-007	052	O		B7/F1	*
ASCW3B0	FPCPPCCD	04-008	156	O	1SCW3B0	B1/F0	
ASCW3B1	04-007	04-007	039	O		B7/F1	*
ASCW3B1	FPCPPCCD	04-008	143	O	1SCW3B1	B1/F0	
ASCWRO	04-006	04-006	052	O		B7/C1	*
ASCWRO	FPCPPCCD	04-008	056	O	1SCWRO	B1/F0	
ASCWR1	04-006	04-006	039	O		B7/C1	*
ASCWR1	FPCPPCCD	04-008	043	O	1SCWR1	B1/F0	
ASCX3B0	04-007	04-007	049	O		B7/F1	*
ASCX3B0	FPCPPCCD	04-008	154	O	SCX3B0	B1/F0	
ASCX3BOR	04-006	04-006	049	O		B7/C1	*
ASCX3BOR	FPCPPCCD	04-008	054	O	SCX3BOR	B1/F0	
ASCX3B1	04-007	04-007	036	O		B7/F1	*
ASCX3B1	FPCPPCCD	04-008	141	O	SCX3B1	B1/F0	
ASCX3B1R	04-006	04-006	036	O		B7/C1	*
ASCX3B1R	FPCPPCCD	04-008	041	O	SCX3B1R	B1/F0	
ASCY3BRO	04-006	04-006	048	O		B7/C1	*
ASCY3BRO	FPCPPCCD	04-008	053	O	SCY3BR1	B1/F0	
ASCY3BR1	04-006	04-006	035	O		B7/C1	*
ASCY3BR1	FPCPPCCD	04-008	040	O	SCY3BR2	B1/F0	
ASRO	MSPP-032	04-032	002	O	SR0	B2/F2	
ASRO	04-037	04-037	022	O		B7/F4	*
AX10MINT	MSPP-032	04-032	033	O	X10MSINT	B2/F2	
AX10MINT	PPC	04-040	033	I	X10MSINT	B3/G3	
AXADD00	MSPP-032	04-032	046	IO	XADD00	B2/F2	
AXADD00	PPC	04-040	046	I	XADD00	B3/G3	
AXADD01	MSPP-032	04-032	146	IO	XADD01	B2/F2	
AXADD01	PPC	04-040	146	I	XADD01	B3/G3	
AXADD02	MSPP-032	04-032	047	IO	XADD02	B2/F2	
AXADD02	PPC	04-040	047	I	XADD02	B3/G3	
AXADD03	MSPP-032	04-032	147	IO	XADD03	B2/F2	
AXADD03	PPC	04-040	147	I	XADD03	B3/G3	
AXADD04	MSPP-032	04-032	048	IO	XADD04	B2/F2	
AXADD04	PPC	04-040	048	I	XADD04	B3/G3	
AXADD05	MSPP-032	04-032	148	IO	XADD05	B2/F2	
AXADD05	PPC	04-040	148	I	XADD05	B3/G3	
AXADD06	MSPP-032	04-032	049	IO	XADD06	B2/F2	
AXADD06	PPC	04-040	049	I	XADD06	B3/G3	
AXADD07	MSPP-032	04-032	149	IO	XADD07	B2/F2	
AXADD07	PPC	04-040	149	I	XADD07	B3/G3	
AXADD08	MSPP-032	04-032	050	IO	XADD08	B2/F2	
AXADD08	PPC	04-040	050	I	XADD08	B3/G3	
AXADD09	MSPP-032	04-032	150	IO	XADD09	B2/F2	
AXADD09	PPC	04-040	150	I	XADD09	B3/G3	
AXADD10	MSPP-032	04-032	051	IO	XADD10	B2/F2	
AXADD10	PPC	04-040	051	I	XADD10	B3/G3	
AXADD11	MSPP-032	04-032	151	IO	XADD11	B2/F2	
AXADD11	PPC	04-040	151	I	XADD11	B3/G3	
AXADD12	MSPP-032	04-032	052	IO	XADD12	B2/F2	
AXADD12	PPC	04-040	052	I	XADD12	B3/G3	
AXADD13	MSPP-032	04-032	152	IO	XADD13	B2/F2	
AXADD13	PPC	04-040	152	I	XADD13	B3/G3	
AXADD14	MSPP-032	04-032	053	IO	XADD14	B2/F2	
AXADD14	PPC	04-040	053	I	XADD14	B3/G3	
AXADD15	MSPP-032	04-032	153	IO	XADD15	B2/F2	
AXADD15	PPC	04-040	153	I	XADD15	B3/G3	
AXADDPH	MSPP-032	04-032	156	IO	XADDPH	B2/F2	
AXADDPH	PPC	04-040	156	I	XADDPH	B3/G3	
AXADDPL	MSPP-032	04-032	056	IO	XADDPL	B2/F2	

8 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	SYMLOC XT
AXADDPL	PPC	04-040		056	IO	XADDPL	B3/G3
AXALWPGE	MSPP-032	04-032	020	O	XALWPGE0	B2/F2	
AXALWPGE	PPC	04-040	020	I	XALWPCB0	B3/G3	
AXCLK86	MSPP-032	04-032	355	O	XCLK86	B2/F2	
AXCLK86	PPC	04-040	355	I	XCLK86	B3/G3	
AXCSWIND	MSPP-032	04-032	143	O	XCSWIND0	B2/F2	
AXCSWIND	PPC	04-040	143	I	XCSWIND0	B3/G3	
AXDATA00	MSPP-032	04-032	246	IO	BYDATA00	B2/F2	
AXDATA00	PPC	04-040	246	IO	BYDATA00	B3/G3	
AXDATA01	MSPP-032	04-032	346	IO	BYDATA01	B2/F2	
AXDATA01	PPC	04-040	346	IO	BYDATA01	B3/G3	
AXDATA02	MSPP-032	04-032	247	IO	BYDATA02	B2/F2	
AXDATA02	PPC	04-040	247	IO	BYDATA02	B3/G3	
AXDATA03	MSPP-032	04-032	347	IO	BYDATA03	B2/F2	
AXDATA03	PPC	04-040	347	IO	BYDATA03	B3/G3	
AXDATA04	MSPP-032	04-032	248	IO	BYDATA04	B2/F2	
AXDATA04	PPC	04-040	248	IO	BYDATA04	B3/G3	
AXDATA05	MSPP-032	04-032	348	IO	BYDATA05	B2/F2	
AXDATA05	PPC	04-040	348	IO	BYDATA05	B3/G3	
AXDATA06	MSPP-032	04-032	249	IO	BYDATA06	B2/F2	
AXDATA06	PPC	04-040	249	IO	BYDATA06	B3/G3	
AXDATA07	MSPP-032	04-032	349	IO	BYDATA07	B2/F2	
AXDATA07	PPC	04-040	349	IO	BYDATA07	B3/G3	
AXDATA08	MSPP-032	04-032	250	IO	WDDATA08	B2/F2	
AXDATA08	PPC	04-040	250	I	WDDATA08	B3/G3	
AXDATA09	MSPP-032	04-032	350	IO	WDDATA09	B2/F2	
AXDATA09	PPC	04-040	350	I	WDDATA09	B3/G3	
AXDATA10	MSPP-032	04-032	251	IO	WDDATA10	B2/F2	
AXDATA10	PPC	04-040	251	I	WDDATA10	B3/G3	
AXDATA11	MSPP-032	04-032	351	IO	WDDATA11	B2/F2	
AXDATA11	PPC	04-040	351	I	WDDATA11	B3/G3	
AXDATA12	MSPP-032	04-032	252	IO	WDDATA12	B2/F2	
AXDATA12	PPC	04-040	252	I	WDDATA12	B3/G3	
AXDATA13	MSPP-032	04-032	352	IO	WDDATA13	B2/F2	
AXDATA13	PPC	04-040	352	I	WDDATA13	B3/G3	
AXDATA14	MSPP-032	04-032	253	IO	WDDATA14	B2/F2	
AXDATA14	PPC	04-040	253	I	WDDATA14	B3/G3	
AXDATA15	MSPP-032	04-032	353	IO	WDDATA15	B2/F2	
AXDATA15	PPC	04-040	353	I	WDDATA15	B3/G3	
AXDATAPH	MSPP-032	04-032	354	IO	DATPARHI	B2/F2	
AXDATAPH	PPC	04-040	354	I	DATPARHI	B3/G3	
AXDATAPL	MSPP-032	04-032	254	I	DATPARLO	B2/F2	
AXDATAPL	PPC	04-040	254	I	DATPARLO	B3/G3	
AXINTACK	MSPP-032	04-032	138	O	XINTACK0	B2/F2	
AXINTACK	PPC	04-040	138	I	XINTACK0	B3/G3	
AXINTREQ	MSPP-032	04-032	038	I	XINTREQ0	B2/F2	
AXINTREQ	PPC	04-040	038	O	XINTREQ0	B3/G3	
AXIORDO	MSPP-032	04-032	041	O	XIORD0	B2/F2	
AXIORDO	PPC	04-040	041	I	XIORD0	B3/G3	
AXIOWTO	MSPP-032	04-032	141	O	XIOWTO	B2/F2	
AXIOWTO	PPC	04-040	141	I	XIOWTO	B3/G3	
AXLATCHO	MSPP-032	04-032	135	O	XLATCHO	B2/F2	
AXLATCHO	PPC	04-040	135	I	XLATCHO	B3/G3	
AXMEM1IO	MSPP-032	04-032	040	O	XMEM1IO0	B2/F2	
AXMEM1IO	PPC	04-040	040	I	XMEM1IO0	B3/G3	
AXMEMRDO	MSPP-032	04-032	042	IO	XMEMRD	B2/F2	
AXMEMRDO	PPC	04-040	042	I	XMEMRD	B3/G3	
AXMENWTO	MSPP-032	04-032	142	IO	XMEMWT	B2/F2	
AXMENWTO	PPC	04-040	142	I	XMEMWT	B3/G3	
BADD2PE0	MSPP-048	04-048	021	I	ADD2PE0	B4/F1	
BADD2PE0	FPC	04-056	021	O	ADD2PE0	B5/F3	
BCMDINT0	MSPP-048	04-048	120	O	CMDINT10	B4/F1	
BCMDINT0	FPC	04-056	120	I	CMDINT10	B5/F3	

9 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	SYMLOC XT
BCSA0	04-036	04-036	017	O		B7/B4	*
BCSA0	MSPP-048	04-048	202	O	CSA0	B4/F1	
BDAT2PE0	MSPP-048	04-048	121	I	DAT2PE0	B4/F1	
BDAT2PE0	FPC	04-056	121	O	DAT2PE0	B5/F3	
BDGN3B	04-007	04-007	017	I		B7/F1	*
BDGN3B	04-007	04-007	020	I		B7/G1	*
BDGN3B	C&D	04-066	137	IO	NC	B8/F3	
BDGN3B	C&D	04-066	150	I	DGN3B	B8/F3	
BDGNRTN	04-006	04-006	017	G		B7/C1	*
BDGNRTN	04-006	04-006	020	G		B7/C1	*
BDGNRTN	C&D	04-066	037	IO	NC	B8/F3	
BDGNRTN	C&D	04-066	050	I	DGNRTN	B8/F3	
BDTAPER1	IOMI-B	04-106	400	O	DTAPER01	B11/F3	
BDTAPER1	MSC3	04-155	233	O	BDTAPER1	B16/G3	
BENBYBYT	MSPP-048	04-048	134	I	ENBYBYT0	B4/F1	
BENBYBYT	FPC	04-056	134	O	ENBYBYT0	B5/F3	
BENLOYBT	MSPP-048	04-048	034	I	ENLOYBYT0	B4/F1	
BENLOYBT	FPC	04-056	034	O	ENLOYBYT0	B5/F3	
BERR0	04-036	04-036	008	O		B7/C4	*
BERR0	MSPP-048	04-048	102	O	ERR0	B4/F1	
BINT	C&D	04-066	116	O	INT	B8/F3	
BINT	PWRCONV2	04-082	112	I	INT	B9/G3	
BINTR	C&D	04-066	115	IO	INTR	B8/F3	
BINTR	PWRCONV2	04-082	012	IO	INT	B9/G3	
BINTRO	04-038	04-038	022	O		B7/B5	*
BINTRO	MSPP-048	04-048	302	O	INTRO	B4/F1	
BINTSUM0	IOMI-B	04-106	552	O	INTSUM00	B11/F3	
BINTSUM0	MSC3						

10 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
BSCW3B1	04-007	04-007	042	O		B7/G1	*
BSCW3B1	C&D	04-066	143	O	1SCW3B1	B8/F3	
BSCWRO	04-006	04-006	055	O		B7/D1	*
BSCWRO	C&D	04-066	056	O	1SCWRO	B8/F3	
BSCWR1	04-006	04-006	042	O		B7/D1	*
BSCWR1	C&D	04-066	043	O	1SCWR1	B8/F3	
BSCX3B0	04-007	04-007	054	O		B7/G1	*
BSCX3B0	C&D	04-066	154	O	SCX3B0	B8/F3	
BSCX3BOR	04-006	04-006	054	O		B7/D1	*
BSCX3BOR	C&D	04-066	054	O	SCX3BOR	B8/F3	
BSCX3B1	04-007	04-007	041	O		B7/G1	*
BSCX3B1	C&D	04-066	141	O	SCX3B1	B8/F3	
BSCX3B1R	04-006	04-006	041	O		B7/D1	*
BSCX3B1R	C&D	04-066	041	O	SCX3B1R	B8/F3	
BSCY3BRO	04-006	04-006	053	O		B7/D1	*
BSCY3BRO	C&D	04-066	053	O	SCY3BR1	B8/F3	
BSCY3BR1	04-006	04-006	040	O		B7/D1	*
BSCY3BR1	C&D	04-066	040	O	SCY3BR2	B8/F3	
BSRO	04-036	04-036	022	O		B7/C4	*
BSRO	MSPP-048	04-048	002	O	SRO	B4/F1	
BX10MINT	MSPP-048	04-048	033	O	X10MSINT	B4/F1	
BX10MINT	FPC	04-056	033	I	X10MINT	B5/F3	
BXADD00	MSPP-048	04-048	046	IO	XADD00	B4/F1	
BXADD00	FPC	04-056	046	I	XADD00	B5/F3	
BXADD01	MSPP-048	04-048	146	IO	XADD01	B4/F1	
BXADD01	FPC	04-056	146	I	XADD01	B5/F3	
BXADD02	MSPP-048	04-048	047	IO	XADD02	B4/F1	
BXADD02	FPC	04-056	047	I	XADD02	B5/F3	
BXADD03	MSPP-048	04-048	147	IO	XADD03	B4/F1	
BXADD03	FPC	04-056	147	I	XADD03	B5/F3	
BXADD04	MSPP-048	04-048	048	IO	XADD04	B4/F1	
BXADD04	FPC	04-056	048	I	XADD04	B5/F3	
BXADD05	MSPP-048	04-048	148	IO	XADD05	B4/F1	
BXADD05	FPC	04-056	148	I	XADD05	B5/F3	
BXADD06	MSPP-048	04-048	049	IO	XADD06	B4/F1	
BXADD06	FPC	04-056	049	I	XADD06	B5/F3	
BXADD07	MSPP-048	04-048	149	IO	XADD07	B4/F1	
BXADD07	FPC	04-056	149	I	XADD07	B5/F3	
BXADD08	MSPP-048	04-048	050	IO	XADD08	B4/F1	
BXADD08	FPC	04-056	050	I	XADD08	B5/F3	
BXADD09	MSPP-048	04-048	150	IO	XADD09	B4/F1	
BXADD09	FPC	04-056	150	I	XADD09	B5/F3	
BXADD10	MSPP-048	04-048	051	IO	XADD10	B4/F1	
BXADD10	FPC	04-056	051	I	XADD10	B5/F3	
BXADD11	MSPP-048	04-048	151	IO	XADD11	B4/F1	
BXADD11	FPC	04-056	151	I	XADD11	B5/F3	
BXADD12	MSPP-048	04-048	052	IO	XADD12	B4/F1	
BXADD12	FPC	04-056	052	I	XADD12	B5/F3	
BXADD13	MSPP-048	04-048	152	IO	XADD13	B4/F1	
BXADD13	FPC	04-056	152	I	XADD13	B5/F3	
BXADD14	MSPP-048	04-048	053	IO	XADD14	B4/F1	
BXADD14	FPC	04-056	053	I	XADD14	B5/F3	
BXADD15	MSPP-048	04-048	153	IO	XADD15	B4/F1	
BXADD15	FPC	04-056	153	I	XADD15	B5/F3	
BXADDPH	MSPP-048	04-048	156	IO	XADDPH	B4/F1	
BXADDPH	FPC	04-056	156	I	XADDPH	B5/F3	
BXADDPL	MSPP-048	04-048	056	IO	XADDPL	B4/F1	
BXADDPL	FPC	04-056	056	I	XADDPL	B5/F3	
BXALWPGE	MSPP-048	04-048	020	O	XALWPGE0	B4/F1	
BXALWPGE	FPC	04-056	020	I	XALWPGE0	B5/F3	
BXCK4MHZ	MSPP-048	04-048	043	O	XCLK4MHZ	B4/F1	
BXCK4MHZ	FPC	04-056	043	I	XCLK4MHZ	B5/F3	
BXCLRESR	MSPP-048	04-048	133	O	XCLRESR0	B4/F1	
BXCLRESR	FPC	04-056	133	I	XCLRESR0	B5/F3	

11 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
BXCWIND	MSPP-048	04-048	143	O	XCZWIND0	B4/F1	
BXCWIND	FPC	04-056	143	I	XCZWIND0	B5/F3	
BXDATA00	MSPP-048	04-048	246	IO	BYDATA00	B4/F1	
BXDATA00	FPC	04-056	246	IO	BYDATA00	B5/F3	
BXDATA01	MSPP-048	04-048	346	IO	BYDATA01	B4/F1	
BXDATA01	FPC	04-056	346	IO	BYDATA01	B5/F3	
BXDATA02	MSPP-048	04-048	247	IO	BYDATA02	B4/F1	
BXDATA02	FPC	04-056	247	IO	BYDATA02	B5/F3	
BXDATA03	MSPP-048	04-048	347	IO	BYDATA03	B4/F1	
BXDATA03	FPC	04-056	347	IO	BYDATA03	B5/F3	
BXDATA04	MSPP-048	04-048	248	IO	BYDATA04	B4/F1	
BXDATA04	FPC	04-056	248	IO	BYDATA04	B5/F3	
BXDATA05	MSPP-048	04-048	348	IO	BYDATA05	B4/F1	
BXDATA05	FPC	04-056	348	IO	BYDATA05	B5/F3	
BXDATA06	MSPP-048	04-048	249	IO	BYDATA06	B4/F1	
BXDATA06	FPC	04-056	249	IO	BYDATA06	B5/F3	
BXDATA07	MSPP-048	04-048	349	IO	BYDATA07	B4/F1	
BXDATA07	FPC	04-056	349	IO	BYDATA07	B5/F3	
BXDATAPL	MSPP-048	04-048	254	I	DATPARLO	B4/F1	
BXDATAPL	FPC	04-056	254	IO	DATPARLO	B5/F3	
BXFUNCN1	MSPP-048	04-048	122	O	XFUNCEN1	B4/F1	
BXFUNCN1	FPC	04-056	122	I	XFUNCEN1	B5/F3	
BXINTACK	MSPP-048	04-048	138	O	XINTACK0	B4/F1	
BXINTACK	FPC	04-056	138	I	XINTACK0	B5/F3	
BXINTREQ	MSPP-048	04-048	038	I	XINTREQ0	B4/F1	
BXINTREQ	FPC	04-056	038	O	XINTREQ0	B5/F3	
BXIORD0	MSPP-048	04-048	041	O	XIORD0	B4/F1	
BXIORD0	FPC	04-056	041	I	XIORD0	B5/F3	
BXIOWT0	MSPP-048	04-048	141	O	XIOWT0	B4/F1	
BXIOWT0	FPC	04-056	141	I	XIOWT0	B5/F3	
BXLATCHO	MSPP-048	04-048	135	O	XLATCHO	B4/F1	
BXLATCHO	FPC	04-056	135	I	XLATCHO	B5/F3	
BXMENLIO	MSPP-048	04-048	040	O	XMENLIO0	B4/F1	
BXMENLIO	FPC	04-056	040	I	XMENLIO0	B5/F3	
BXPWRRST	MSPP-048	04-048	022	O	XPWRRST0	B4/F1	
BXPWRRST	FPC	04-056	022	I	XPWRRST0	B5/F3	
CDS1	C&D	04-066	124	O	RS1	B8/F3	
CDS1	PWRCONV2	04-082	011	I	RS1	B9/G3	
CDS2	C&D	04-066	122	IO	RS2	B8/F3	
CDS2	PWRCONV2	04-082	110	I	RS2	B9/G3	
CDS3	C&D	04-066	009	O	RS3	B8/F3	
CDS3	PWRCONV2	04-082	109	I	RS3	B9/G3	
CDTAPER1	IOMI-C	04-120	400	O	DTAPER01	B12/F3	
CDTAPER1	MSC3	04-155	134	I	DTAPER1	B16/G3	
CINTA00	04-087	04-087	020	O		B18/B3	*
CINTA00	IOMI-A	04-090	118	O	CINT000	B10/F3	
CINTA00	MSC3	04-155	720	O	CINT000	B16/G3	
CINTA10	04-089	04-089	020	O		B18/B6	*
CINTA10	IOMI-A	04-090	318	O	CINT100	B10/F3	
CINTA10	MSC3	04-155	320	O	CINT100	B16/G3	
CINTA20	IOMI-A	04-090	418	O	CINT200	B10/F3	
CINTA20	04-099	04-099	020	O		B19/B0	*
CINTA20	MSC3	04-155	520	O	CINT200	B16/G3	
CINTA30	IOMI-A	04-090	518	O	CINT300	B10/F3	
CINTA30	04-101	04-101	020	O		B19/B4	*
CINTA30	MSC3	04-155	120	O	CINT300	B16/G3	
CINTB00	04-103	04-103	020	O		B19/B7	*
CINTB00	IOMI-B	04-106	118	O	CINT000	B11/F3	
CINTB10	04-105	04-105	020	O		B20/C2	*
CINTB10	IOMI-B	04-106	318	O	CINT100	B11/F3	
CINTB20	IOMI-B	04-106	418	O	CINT200	B11/F3	
CINTB20	04-113	04-113	020	O		B20/C6	*
CINTB30	IOMI-B	04-106	518	O	CINT300	B11/F3	
CINTB30	04-115	04-115	020	O		B21/C1	*
CINTC00	04-117	04-117	020	O		B21/C4	*
CINTC00	IOMI-C	04-120	118	O	CINT000	B12/F3	

12 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
CINTC10	04-119	04-119	020	O		B21/C7	*
CINTC10	IOMI-C	04-120	318	O	CINT100	B12/F3	
CINTC20	IOMI-C	04-120	418	O	CINT200	B12/F3	
CINTC20	04-127	04-127	020	O		B22/C2	*
CINTC30	IOMI-C	04-120	518	O	CINT300	B12/F3	
CINTC30	04-129	04-129	020	O		B22/C5	*
CINTD00	04-131	04-131	020	O		B23/B1	*
CINTD00	IOMI-D	04-134	118	O	CINT000	B13/G3	
CINTD10	04-133	04-133	020	O		B23/B4	*
CINTD10	IOMI-D	04-134	318	O	CINT100	B13/G3	
CINTD20	IOMI-D	04-134	418	O	CINT200	B13/G3	
CINTD20	04-143	04-143	020	O		B23/B7	*
CINTD30	IOMI-D	04-134	518	O	CINT300	B13/G3	
CINTD30	04-145	04-145	020	O		B23/C4	*
CINTSUM0	IOMI-C	04-120	552	O	INTSUM00	B12/F3	
CINTSUM0	MSC3	04-155	145	I	CINTSUM0	B16/G3	
CLK00N	MSC3	04-155	407	O	CLK00N	B16/G3	
CLK00N	DDSBS	04-178	007	O	CLK00N	B15/F3	*
CLK00P	MSC3	04-155	506	O	CLK00P	B16/G3	
CLK00P	DDSBS	04-178	106	O	CLK00P	B15/F3	*
CLK10N	MSC3	04-155	607	O	CLK10N	B16/G3	
CLK10N	DDSBS	04-178	207	O	CLK10N	B15/F3	*
CLK10P	MSC3	04-155	706	O	CLK10P	B16/G3	
CLK10P	DDSBS	04-178	306	O	CLK10P	B15/F3	*
CLOCK1	IOMI-A	04-090	350	I	CLOCK11	B10/F3	
CLOCK1	IOMI-B						

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13 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
CLRPCC00	04-116	04-116	020	O		B21/C3	*
CLRPCC00	IOMI-C	04-120	016	O	CLR000	B12/F3	
CLRPCC10	04-118	04-118	020	O		B21/C6	*
CLRPCC10	IOMI-C	04-120	116	O	CLR100	B12/F3	
CLRPCC20	IOMI-C	04-120	216	O	CLR200	B12/F3	*
CLRPCC20	04-126	04-126	020	O		B22/C1	*
CLRPCC30	IOMI-C	04-120	316	O	CLR300	B12/F3	*
CLRPCC30	04-128	04-128	020	O		B22/C4	*
CLRPCD00	04-130	04-130	020	O		B22/C7	*
CLRPCD00	IOMI-D	04-134	016	O	CLR000	B13/G3	
CLRPCD10	04-132	04-132	020	O		B23/B3	*
CLRPCD10	IOMI-D	04-134	116	O	CLR100	B13/G3	
CLRPCD20	IOMI-D	04-134	216	O	CLR200	B13/G3	*
CLRPCD20	04-142	04-142	020	O		B23/B6	*
CLRPCD30	IOMI-D	04-134	316	O	CLR300	B13/G3	*
CLRPCD30	04-144	04-144	020	O		B24/C3	*
CMDINT0	MSPP-032	04-032	303	I	CMDINT0	B2/F2	*
CMDINT0	04-037	04-037	020	I		B7/F4	*
CMDINT0	MSPP-048	04-048	303	I	CMDINT0	B4/F1	*
CSAA000	04-086	04-086	016	I		B18/C1	*
CSAA000	IOMI-A	04-090	113	I	CSA0010	B10/F3	
CSAA000	MSC3	04-155	616	I	CSA000	B16/G3	
CSAA010	04-086	04-086	017	I		B18/C1	*
CSAA010	IOMI-A	04-090	213	I	CSA0110	B10/F3	
CSAA010	MSC3	04-155	617	I	CSA010	B16/G3	
CSAA020	04-086	04-086	018	I		B18/C1	*
CSAA020	IOMI-A	04-090	313	I	CSA0210	B10/F3	
CSAA020	MSC3	04-155	618	I	CSA020	B16/G3	
CSAA030	04-086	04-086	019	I		B18/C1	*
CSAA030	IOMI-A	04-090	413	I	CSA0310	B10/F3	
CSAA030	MSC3	04-155	619	I	CSA030	B16/G3	
CSAA100	04-088	04-088	016	I		B18/C4	*
CSAA100	IOMI-A	04-090	513	I	CSA1010	B10/F3	
CSAA100	MSC3	04-155	216	I	CSA100	B16/G3	
CSAA110	04-088	04-088	017	I		B18/C4	*
CSAA110	IOMI-A	04-090	014	I	CSA1110	B10/F3	
CSAA110	MSC3	04-155	217	I	CSA110	B16/G3	
CSAA120	04-088	04-088	018	I		B18/C4	*
CSAA120	IOMI-A	04-090	114	I	CSA1210	B10/F3	
CSAA120	MSC3	04-155	218	I	CSA120	B16/G3	
CSAA130	04-088	04-088	019	I		B18/C4	*
CSAA130	IOMI-A	04-090	314	I	CSA1310	B10/F3	
CSAA130	MSC3	04-155	219	I	CSA130	B16/G3	
CSAA200	IOMI-A	04-090	414	I	CSA2010	B10/F3	*
CSAA200	04-098	04-098	016	I		B18/C7	*
CSAA200	MSC3	04-155	416	I	CSA200	B16/G3	
CSAA210	IOMI-A	04-090	514	I	CSA2110	B10/F3	*
CSAA210	04-098	04-098	017	I		B18/C7	*
CSAA210	MSC3	04-155	417	I	CSA210	B16/G3	
CSAA220	IOMI-A	04-090	015	I	CSA2210	B10/F3	*
CSAA220	04-098	04-098	018	I		B18/C7	*
CSAA220	MSC3	04-155	418	I	CSA220	B16/G3	
CSAA230	IOMI-A	04-090	115	I	CSA2310	B10/F3	*
CSAA230	04-098	04-098	019	I		B18/C7	*
CSAA230	MSC3	04-155	419	I	CSA230	B16/G3	
CSAA300	IOMI-A	04-090	215	I	CSA3010	B10/F3	*
CSAA300	04-100	04-100	016	I		B19/B2	*
CSAA300	MSC3	04-155	016	I	CSA300	B16/G3	
CSAA310	IOMI-A	04-090	315	I	CSA3110	B10/F3	*
CSAA310	04-100	04-100	017	I		B19/C2	*
CSAA310	MSC3	04-155	017	I	CSA310	B16/G3	
CSAA320	IOMI-A	04-090	415	I	CSA3210	B10/F3	*
CSAA320	04-100	04-100	018	I		B19/C2	*
CSAA320	MSC3	04-155	018	I	CSA320	B16/G3	
CSAA330	IOMI-A	04-090	515	I	CSA3310	B10/F3	*
CSAA330	04-100	04-100	019	I		B19/C2	*
CSAA330	MSC3	04-155	019	I	CSA330	B16/G3	
CSAB000	04-102	04-102	016	I		B19/B6	*
CSAB000	IOMI-B	04-106	113	I	CSA0010	B11/F3	

14 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
CSAB010	04-102	04-102	017	I		B19/C6	*
CSAB010	IOMI-B	04-106	213	I	CSA0110	B11/F3	
CSAB020	04-102	04-102	018	I		B19/C6	*
CSAB020	IOMI-B	04-106	313	I	CSA0210	B11/F3	
CSAB030	04-102	04-102	019	I		B19/C6	*
CSAB030	IOMI-B	04-106	413	I	CSA0310	B11/F3	
CSAB100	04-104	04-104	016	I		B20/C1	*
CSAB100	IOMI-B	04-106	513	I	CSA1010	B11/F3	
CSAB110	04-104	04-104	017	I		B20/C1	*
CSAB110	IOMI-B	04-106	014	I	CSA1110	B11/F3	
CSAB120	04-104	04-104	018	I		B20/C1	*
CSAB120	IOMI-B	04-106	114	I	CSA1210	B11/F3	
CSAB130	04-104	04-104	019	I		B20/C1	*
CSAB130	IOMI-B	04-106	314	I	CSA1310	B11/F3	
CSAB200	IOMI-B	04-106	414	I	CSA2010	B11/F3	*
CSAB200	04-112	04-112	016	I		B20/C4	*
CSAB210	IOMI-B	04-106	514	I	CSA2110	B11/F3	*
CSAB210	04-112	04-112	017	I		B20/C4	*
CSAB220	IOMI-B	04-106	015	I	CSA2210	B11/F3	*
CSAB220	04-112	04-112	018	I		B20/C4	*
CSAB230	IOMI-B	04-106	115	I	CSA2310	B11/F3	*
CSAB230	04-112	04-112	019	I		B20/C4	*
CSAB300	IOMI-B	04-106	215	I	CSA3010	B11/F3	*
CSAB300	04-114	04-114	016	I		B20/C7	*
CSAB310	IOMI-B	04-106	315	I	CSA3110	B11/F3	*
CSAB310	04-114	04-114	017	I		B20/C7	*
CSAB320	IOMI-B	04-106	415	I	CSA3210	B11/F3	*
CSAB320	04-114	04-114	018	I		B20/C7	*
CSAB330	IOMI-B	04-106	515	I	CSA3310	B11/F3	*
CSAB330	04-114	04-114	019	I		B20/C7	*
CSAC000	04-116	04-116	016	I		B21/C3	*
CSAC000	IOMI-C	04-120	113	I	CSA0010	B12/F3	
CSAC010	04-116	04-116	017	I		B21/C3	*
CSAC010	IOMI-C	04-120	213	I	CSA0110	B12/F3	
CSAC020	04-116	04-116	018	I		B21/C3	*
CSAC020	IOMI-C	04-120	313	I	CSA0210	B12/F3	
CSAC030	04-116	04-116	019	I		B21/C3	*
CSAC030	IOMI-C	04-120	413	I	CSA0310	B12/F3	
CSAC100	04-118	04-118	016	I		B21/C6	*
CSAC100	IOMI-C	04-120	513	I	CSA1010	B12/F3	
CSAC110	04-118	04-118	017	I		B21/C6	*
CSAC110	IOMI-C	04-120	014	I	CSA1110	B12/F3	
CSAC120	04-118	04-118	018	I		B21/C6	*
CSAC120	IOMI-C	04-120	114	I	CSA1210	B12/F3	
CSAC130	04-118	04-118	019	I		B21/C6	*
CSAC130	IOMI-C	04-120	314	I	CSA1310	B12/F3	
CSAC200	IOMI-C	04-120	414	I	CSA2010	B12/F3	*
CSAC200	04-126	04-126	016	I		B22/C1	*
CSAC210	IOMI-C	04-120	514	I	CSA2110	B12/F3	*
CSAC210	04-126	04-126	017	I		B22/C1	*
CSAC220	IOMI-C	04-120	015	I	CSA2210	B12/F3	*
CSAC220	04-126	04-126	018	I		B22/C1	*
CSAC230	IOMI-C	04-120	115	I	CSA2310	B12/F3	*
CSAC230	04-126	04-126	019	I		B22/C1	*
CSAC300	IOMI-C	04-120	215	I	CSA3010	B12/F3	*
CSAC300	04-128	04-128	016	I		B22/C4	*
CSAC310	IOMI-C	04-120	315	I	CSA3110	B12/F3	*
CSAC310	04-128	04-128	017	I		B22/C4	*
CSAC320	IOMI-C	04-120	415	I	CSA3210	B12/F3	*
CSAC320	04-128	04-128	018	I		B22/C4	*
CSAC330	IOMI-C	04-120	515	I	CSA3310	B12/F3	*
CSAC330	04-128	04-128	019	I		B22/C4	*
CSAD000	04-130	04-130	016	I		B22/C7	*
CSAD000	IOMI-D	04-134	113	I	CSA0010	B13/G3	

15 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
CSAD010	04-130	04-130	017	I		B22/C7	*
CSAD010	IOMI-D	04-134	213	I	CSA0110	B13/G3	
CSAD020	04-130	04-130	018	I		B22/C7	*
CSAD020	IOMI-D	04-134	313	I	CSA0210	B13/G3	
CSAD030	04-130	04-130	019	I		B22/C7	*
CSAD030	IOMI-D	04-134	413	I	CSA0310	B13/G3	
CSAD100	04-132	04-132	016	I		B23/B3	*
CSAD100	IOMI-D	04-134	513	I	CSA1010	B13/G3	
CSAD110	04-132	04-132	017	I		B23/C3	*
CSAD110	IOMI-D	04-134	014	I	CSA1110	B13/G3	
CSAD120	04-132	04-132	018	I		B23/C3	*
CSAD120	IOMI-D	04-134	114	I	CSA1210	B13/G3	
CSAD130	04-132	04-132	019	I		B23/C3	*
CSAD130	IOMI-D	04-134	314	I	CSA1310	B13/G3	
CSAD200	IOMI-D	04-134	414	I	CSA2010	B13/G3	*
CSAD200	04-142	04-142	016	I		B23/B6	*
CSAD210	IOMI-D	04-134	514	I	CSA2110	B13/G3	*
CSAD210	04-142	04-142	017	I		B23/C6	*
CSAD220	IOMI-D	04-134	015	I	CSA2210	B13/G3	*
CSAD220	04-142	04-142	018	I		B23/C6	*
CSAD230	IOMI-D	04-134	115	I	CSA2310	B13/G3	*
CSAD230	04-142	04-142	019	I		B23/C6	*
CSAD300	IOMI-D	04-134	215	I	CSA3010	B13/G3	*
CSAD300	04-144	04-144	016	I		B24/C3	*
CSAD310	IOMI-D	04-134	315	I	CSA3110	B13/G3	*
CSAD310	04-144	04-144	017	I		B24/C3	*
CSAD320	IOMI-D	04-134	415	I	CSA3210	B13/G3	*
CSAD320	04-144	04-144	018	I		B24/C3	*
CSAD330	IOMI-D	04-134	515	I	CSA3310	B13/G3	*
CSAD330	04-144	04-144	019	I		B24/C3	*
CYCEND1	IOMI-A	04-090	251	I	CYCEND11	B10/F3	
CYCEND1	IOMI-B	04-106	251	I	CYCEND11	B11/F3	
CYCEND1	IOMI-C	04-120	251	I	CYCEND11	B12/F3	
CYCEND1	IOMI-D	04-134	251	I	CYCEND11	B13/G3	
CYCEND1	MSC3	04-155	443	O	CYCEND11	B16/G3	
DAH0BN	MSC3	04-155	410	IO	DAH00BN	B16/G3	
DAH0BN	DDSB8	04-178	010	IO	DAH0BN	B15/F3	*
DAH0BP	MSC3	04-155	509	IO	DAH00BP	B16/G3	
DAH0BP	DDSB8	04-178	109	IO	DAH0BP	B15/F3	*

A
B
C
D
E
F
G
H

16 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
DB001	IOMI-A	04-090	500	IO DBBIT1	B10/F3		
DB001	IOMI-B	04-106	001	IO DB00B1	B11/F3		
DB001	IOMI-C	04-120	001	IO DB00B1	B12/F3		
DB001	IOMI-D	04-134	001	IO DB00B1	B13/G3		
DB001	MSC3	04-155	010	IO BDB001	B16/G3		
DB011	IOMI-A	04-090	101	IO DB01B1	B10/F3		
DB011	IOMI-B	04-106	101	IO DB01B1	B11/F3		
DB011	IOMI-C	04-106	500	IO DBBIT1	B11/F3		
DB011	IOMI-D	04-120	101	IO DB01B1	B12/F3		
DB011	IOMI-D	04-134	101	IO DB01B1	B13/G3		
DB011	MSC3	04-155	011	IO BDB011	B16/G3		
DB021	IOMI-A	04-090	201	IO DB02B1	B10/F3		
DB021	IOMI-B	04-106	201	IO DB02B1	B11/F3		
DB021	IOMI-C	04-120	201	IO DB02B1	B12/F3		
DB021	IOMI-C	04-120	500	IO DBBIT1	B12/F3		
DB021	IOMI-D	04-134	201	IO DB02B1	B13/G3		
DB021	MSC3	04-155	109	IO BDB021	B16/G3		
DB031	IOMI-A	04-090	301	IO DB03B1	B10/F3		
DB031	IOMI-B	04-106	301	IO DB03B1	B11/F3		
DB031	IOMI-C	04-120	301	IO DB03B1	B12/F3		
DB031	IOMI-D	04-134	301	IO DB03B1	B13/G3		
DB031	IOMI-D	04-134	500	IO DBBIT1	B13/G3		
DB031	MSC3	04-155	110	IO BDB031	B16/G3		
DB041	IOMI-A	04-090	401	IO DB04B1	B10/F3		
DB041	IOMI-B	04-106	401	IO DB04B1	B11/F3		
DB041	IOMI-C	04-120	401	IO DB04B1	B12/F3		
DB041	IOMI-D	04-134	401	IO DB04B1	B13/G3		
DB041	MSC3	04-155	210	IO BDB041	B16/G3		
DB051	IOMI-A	04-090	501	IO DB05B1	B10/F3		
DB051	IOMI-B	04-106	501	IO DB05B1	B11/F3		
DB051	IOMI-C	04-120	501	IO DB05B1	B12/F3		
DB051	IOMI-D	04-134	501	IO DB05B1	B13/G3		
DB051	MSC3	04-155	211	IO BDB051	B16/G3		
DB061	IOMI-A	04-090	002	IO DB06B1	B10/F3		
DB061	IOMI-B	04-106	002	IO DB06B1	B11/F3		
DB061	IOMI-C	04-120	002	IO DB06B1	B12/F3		
DB061	IOMI-D	04-134	002	IO DB06B1	B13/G3		
DB061	MSC3	04-155	309	IO BDB061	B16/G3		
DB071	IOMI-A	04-090	102	IO DB07B1	B10/F3		
DB071	IOMI-B	04-106	102	IO DB07B1	B11/F3		
DB071	IOMI-C	04-120	102	IO DB07B1	B12/F3		
DB071	IOMI-D	04-134	102	IO DB07B1	B13/G3		
DB071	MSC3	04-155	310	IO BDB071	B16/G3		
DB081	IOMI-A	04-090	202	IO DB08B1	B10/F3		
DB081	IOMI-B	04-106	202	IO DB08B1	B11/F3		
DB081	IOMI-C	04-120	202	IO DB08B1	B12/F3		
DB081	IOMI-D	04-134	202	IO DB08B1	B13/G3		
DB081	MSC3	04-155	013	IO BDB081	B16/G3		
DB091	IOMI-A	04-090	302	IO DB09B1	B10/F3		
DB091	IOMI-B	04-106	302	IO DB09B1	B11/F3		
DB091	IOMI-C	04-120	302	IO DB09B1	B12/F3		
DB091	IOMI-D	04-134	302	IO DB09B1	B13/G3		
DB091	MSC3	04-155	014	IO BDB091	B16/G3		
DB101	IOMI-A	04-090	402	IO DB10B1	B10/F3		
DB101	IOMI-B	04-106	402	IO DB10B1	B11/F3		
DB101	IOMI-C	04-120	402	IO DB10B1	B12/F3		
DB101	IOMI-D	04-134	402	IO DB10B1	B13/G3		
DB101	MSC3	04-155	112	IO BDB101	B16/G3		
DB111	IOMI-A	04-090	502	IO DB11B1	B10/F3		
DB111	IOMI-B	04-106	502	IO DB11B1	B11/F3		
DB111	IOMI-C	04-120	502	IO DB11B1	B12/F3		
DB111	IOMI-D	04-134	502	IO DB11B1	B13/G3		
DB111	MSC3	04-155	113	IO BDB111	B16/G3		
DB121	IOMI-A	04-090	003	IO DB12B1	B10/F3		
DB121	IOMI-B	04-106	003	IO DB12B1	B11/F3		
DB121	IOMI-C	04-120	003	IO DB12B1	B12/F3		
DB121	IOMI-D	04-134	003	IO DB12B1	B13/G3		
DB121	MSC3	04-155	213	IO BDB121	B16/G3		
DB131	IOMI-A	04-090	103	IO DB13B1	B10/F3		
DB131	IOMI-B	04-106	103	IO DB13B1	B11/F3		
DB131	IOMI-C	04-120	103	IO DB13B1	B12/F3		
DB131	IOMI-D	04-134	103	IO DB13B1	B13/G3		
DB131	MSC3	04-155	214	IO BDB131	B16/G3		
DB141	IOMI-A	04-090	203	IO DB14B1	B10/F3		
DB141	IOMI-B	04-106	203	IO DB14B1	B11/F3		
DB141	IOMI-C	04-120	203	IO DB14B1	B12/F3		
DB141	IOMI-D	04-134	203	IO DB14B1	B13/G3		
DB141	MSC3	04-155	312	IO BDB141	B16/G3		
DB151	IOMI-A	04-090	303	IO DB15B1	B10/F3		
DB151	IOMI-B	04-106	303	IO DB15B1	B11/F3		

17 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
DB151	IOMI-C	04-120	303	IO DB15B1	B12/F3		
DB151	IOMI-D	04-134	303	IO DB15B1	B13/G3		
DB151	MSC3	04-155	313	IO BDB151	B16/G3		
DBPH1	IOMI-A	04-090	503	IO DBPHB1	B10/F3		
DBPH1	IOMI-B	04-106	503	IO DBPHB1	B11/F3		
DBPH1	IOMI-C	04-120	503	IO DBPHB1	B12/F3		
DBPH1	IOMI-D	04-134	503	IO DBPHB1	B13/G3		
DBPH1	MSC3	04-155	414	IO BDBPHB1	B16/G3		
DBPL1	IOMI-A	04-090	403	IO DBPLB1	B10/F3		
DBPL1	IOMI-B	04-106	403	IO DBPLB1	B11/F3		
DBPL1	IOMI-C	04-120	403	IO DBPLB1	B12/F3		
DBPL1	IOMI-D	04-134	403	IO DBPLB1	B13/G3		
DBPL1	MSC3	04-155	413	IO BDBPLB1	B16/G3		
DDTAPER1	IOMI-D	04-134	400	IO DDTAPER1	B13/G3		
DDTAPER1	MSC3	04-155	033	I DDTAPER1	B16/G3		
DINTSUMO	IOMI-D	04-134	552	IO DINTSUMO	B13/G3		
DINTSUMO	MSC3	04-155	045	I DINTSUMO	B16/G3		
DMAA0001	04-087	04-087	035	0	B18/C3	*	
DMAA0001	IOMI-A	04-090	033	0	DMA00001	B10/F3	
DMAA0001	MSC3	04-155	635	0	DMA00001	B16/G3	
DMAA0011	04-086	04-086	035	0	B18/C1	*	
DMAA0011	IOMI-A	04-090	433	0	DMA00101	B10/F3	
DMAA0011	MSC3	04-155	735	0	DMA00101	B16/G3	
DMAA0021	04-087	04-087	036	0	B18/C3	*	
DMAA0021	IOMI-A	04-090	234	0	DMA00201	B10/F3	
DMAA0021	MSC3	04-155	636	0	DMA00201	B16/G3	
DMAA0031	04-086	04-086	036	0	B18/C1	*	
DMAA0031	IOMI-A	04-090	035	0	DMA00301	B10/F3	
DMAA0031	MSC3	04-155	736	0	DMA00301	B16/G3	
DMAA0041	04-087	04-087	037	0	B18/C3	*	
DMAA0041	IOMI-A	04-090	535	0	DMA00401	B10/F3	
DMAA0041	MSC3	04-155	637	0	DMA00401	B16/G3	
DMAA0051	04-086	04-086	037	0	B18/C1	*	
DMAA0051	IOMI-A	04-090	436	0	DMA00501	B10/F3	
DMAA0051	MSC3	04-155	737	0	DMA00501	B16/G3	
DMAA0061	04-087	04-087	038	0	B18/C3	*	
DMAA0061	IOMI-A	04-090	237	0	DMA00601	B10/F3	
DMAA0061	MSC3	04-155	638	0	DMA00601	B16/G3	
DMAA0071	04-086	04-086	038	0	B18/C1	*	
DMAA0071	IOMI-A	04-090	038	0	DMA00701	B10/F3	
DMAA0071	MSC3	04-155	738	0	DMA00701	B16/G3	
DMAA0081	04-087	04-087	039	0	B18/C3	*	
DMAA0081	IOMI-A	04-090	438	0	DMA00801	B10/F3	
DMAA0081	MSC3	04-155	639	0	DMA00801	B16/G3	
DMAA0091	04-086	04-086	039	0	B18/C1	*	
DMAA0091	IOMI-A	04-090	040	0	DMA00901	B10/F3	
DMAA0091	MSC3	04-155	739	0	DMA00901	B16/G3	
DMAA0101	04-087	04-087	040	0	B18/C3	*	
DMAA0101	IOMI-A	04-090	440	0	DMA01001	B10/F3	
DMAA0101	MSC3	04-155	640	0	DMA01001	B16/G3	
DMAA0111	04-086	04-086	040	0	B18/C1	*	
DMAA0111	IOMI-A	04-090	241	0	DMA01101	B10/F3	
DMAA0111	MSC3	04-155	740	0	DMA01101	B16/G3	
DMAA0121	04-087	04-087	041	0	B18/C3	*	
DMAA0121	IOMI-A	04-090	042	0	DMA01201	B10/F3	
DMAA0121	MSC3	04-155	641	0	DMA01201	B16/G3	
DMAA0131	04-086	04-086	041	0	B18/C1	*	
DMAA0131	IOMI-A	04-090	442	0	DMA01301	B10/F3	
DMAA0131	MSC3	04-155	741	0	DMA01301	B16/G3	
DMAA0141	04-087	04-087	042	0	B18/C3	*	
DMAA0141	IOMI-A	04-090	343	0	DMA01401	B10/F3	
DMAA0141	MSC3	04-155	642	0	DMA01401	B16/G3	
DMAA0151	04-086	04-086	042	0	B18/D1	*	
DMAA0151	IOMI-A	04-090	144	0	DMA01501	B10/F3	
DMAA0151	MSC3	04-155	742	0	DMA01501	B16/G3	
DMAA1001	04-089	04-089	035	0	B18/C6	*	
DMAA1001	IOMI-A	04-090	133	0	DMA10001	B10/F3	
DMAA1001	MSC3	04-155	235	0	DMA10001	B16/G3	
DMAA1011	04-088	04-088	035	0	B18/C4	*	
DMAA1011	IOMI-A	04-090	533	0	DMA10101	B10/F3	
DMAA1011	MSC3	04-155	335	0	DMA10101	B16/G3	
DMAA1021	04-089	04-089	036	0	B18/C6	*	
DMAA1021	IOMI-A	04-090	334	0	DMA10201	B10/F3	

18 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
DMAA1021	MSC3	04-155	236	0	DMA10201	B16/G3	
DMAA1031	04-088	04-088	036	0	B18/C4	*	
DMAA1031	IOMI-A	04-090	135	0	DMA10301	B10/F3	
DMAA1031	MSC3	04-155	336	0	DMA10301	B16/G3	
DMAA1041	04-089	04-089	037	0	B18/C6	*	
DMAA1041	IOMI-A	04-090	036	0	DMA10401	B10/F3	
DMAA1041	MSC3	04-155	237	0	DMA10401	B16/G3	
DMAA1051	04-088	04-088	037	0	B18/C4	*	
DMAA1051	IOMI-A	04-090	536	0	DMA10501	B10/F3	
DMAA1051	MSC3	04-155	337	0	DMA10501	B16/G3	
DMAA1061	04-089	04-089	038	0	B18/C6	*	
DMAA1061	IOMI-A	04-090	337	0	DMA10601	B10/F3	
DMAA1061	MSC3	04-155	238	0	DMA10601	B16/G3	
DMAA1071	04-088	04-088	038	0	B18/C4	*	
DMAA1071	IOMI-A	04-090	138	0	DMA10701	B10/F3	
DMAA1071	MSC3	04-155	338	0	DMA10701	B16/G3	
DMAA1081	04-089	04-089	039	0	B1		

19 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	SYMLOC XT
DMAA2051	04-098	04-098	037	0			B18/C7 *
DMAA2051	MSC3	04-155	537	0	DMA20501		B16/G3
DMAA2061	IOMI-A	04-090	437	0	DMA20601		B10/F3
DMAA2061	04-099	04-099	038	0			B19/C0 *
DMAA2061	MSC3	04-155	438	0	DMA20601		B16/G3
DMAA2071	IOMI-A	04-090	238	0	DMA20701		B10/F3
DMAA2071	04-098	04-098	038	0			B18/C7 *
DMAA2071	MSC3	04-155	538	0	DMA20701		B16/G3
DMAA2081	IOMI-A	04-090	039	0	DMA20801		B10/F3
DMAA2081	04-099	04-099	039	0			B19/C0 *
DMAA2081	MSC3	04-155	439	0	DMA20801		B16/G3
DMAA2091	IOMI-A	04-090	240	0	DMA20901		B10/F3
DMAA2091	04-098	04-098	039	0			B18/C7 *
DMAA2091	MSC3	04-155	539	0	DMA20901		B16/G3
DMAA2101	IOMI-A	04-090	041	0	DMA21001		B10/F3
DMAA2101	04-099	04-099	040	0			B19/C0 *
DMAA2101	MSC3	04-155	440	0	DMA21001		B16/G3
DMAA2111	IOMI-A	04-090	441	0	DMA21101		B10/F3
DMAA2111	04-098	04-098	040	0			B18/C7 *
DMAA2111	MSC3	04-155	540	0	DMA21101		B16/G3
DMAA2121	IOMI-A	04-090	242	0	DMA21201		B10/F3
DMAA2121	04-099	04-099	041	0			B19/C0 *
DMAA2121	MSC3	04-155	441	0	DMA21201		B16/G3
DMAA2131	IOMI-A	04-090	043	0	DMA21301		B10/F3
DMAA2131	04-098	04-098	041	0			B18/C7 *
DMAA2131	MSC3	04-155	541	0	DMA21301		B16/G3
DMAA2141	IOMI-A	04-090	543	0	DMA21401		B10/F3
DMAA2141	04-099	04-099	042	0			B19/C0 *
DMAA2141	MSC3	04-155	442	0	DMA21401		B16/G3
DMAA2151	IOMI-A	04-090	444	0	DMA21501		B10/F3
DMAA2151	04-098	04-098	042	0			B18/D7 *
DMAA2151	MSC3	04-155	542	0	DMA21501		B16/G3
DMAA3001	IOMI-A	04-090	333	0	DMA30001		B10/F3
DMAA3001	04-101	04-101	035	0			B19/B4 *
DMAA3001	MSC3	04-155	035	0	DMA30001		B16/G3
DMAA3011	IOMI-A	04-090	134	0	DMA30101		B10/F3
DMAA3011	04-100	04-100	035	0			B19/C2 *
DMAA3011	MSC3	04-155	135	0	DMA30101		B16/G3
DMAA3021	IOMI-A	04-090	534	0	DMA30201		B10/F3
DMAA3021	04-101	04-101	036	0			B19/C4 *
DMAA3021	MSC3	04-155	036	0	DMA30201		B16/G3
DMAA3031	IOMI-A	04-090	435	0	DMA30301		B10/F3
DMAA3031	04-100	04-100	036	0			B19/C2 *
DMAA3031	MSC3	04-155	136	0	DMA30301		B16/G3
DMAA3041	IOMI-A	04-090	336	0	DMA30401		B10/F3
DMAA3041	04-101	04-101	037	0			B19/C4 *
DMAA3041	MSC3	04-155	037	0	DMA30401		B16/G3
DMAA3051	IOMI-A	04-090	137	0	DMA30501		B10/F3
DMAA3051	04-100	04-100	037	0			B19/C2 *
DMAA3051	MSC3	04-155	137	0	DMA30501		B16/G3
DMAA3061	IOMI-A	04-090	537	0	DMA30601		B10/F3
DMAA3061	04-101	04-101	038	0			B19/C4 *
DMAA3061	MSC3	04-155	038	0	DMA30601		B16/G3
DMAA3071	IOMI-A	04-090	338	0	DMA30701		B10/F3
DMAA3071	04-100	04-100	038	0			B19/C2 *
DMAA3071	MSC3	04-155	138	0	DMA30701		B16/G3
DMAA3081	IOMI-A	04-090	539	0	DMA30801		B10/F3
DMAA3081	04-101	04-101	039	0			B19/C4 *
DMAA3081	MSC3	04-155	039	0	DMA30801		B16/G3
DMAA3091	IOMI-A	04-090	340	0	DMA30901		B10/F3
DMAA3091	04-100	04-100	039	0			B19/C2 *
DMAA3091	MSC3	04-155	139	0	DMA30901		B16/G3
DMAA3101	IOMI-A	04-090	141	0	DMA31001		B10/F3
DMAA3101	04-101	04-101	040	0			B19/C4 *
DMAA3101	MSC3	04-155	040	0	DMA31001		B16/G3
DMAA3111	IOMI-A	04-090	541	0	DMA31101		B10/F3
DMAA3111	04-100	04-100	040	0			B19/C2 *
DMAA3111	MSC3	04-155	140	0	DMA31101		B16/G3
DMAA3121	IOMI-A	04-090	342	0	DMA31201		B10/F3
DMAA3121	04-101	04-101	041	0			B19/C4 *
DMAA3121	MSC3	04-155	041	0	DMA31201		B16/G3
DMAA3131	IOMI-A	04-090	143	0	DMA31301		B10/F3

20 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	SYMLOC XT
DMAA3131	04-100	04-100	041	0			B19/C2 *
DMAA3131	MSC3	04-155	141	0	DMA31301		B16/G3
DMAA3141	IOMI-A	04-090	044	0	DMA31401		B10/F3
DMAA3141	04-101	04-101	042	0			B19/C4 *
DMAA3141	MSC3	04-155	042	0	DMA31401		B16/G3
DMAA3151	IOMI-A	04-090	544	0	DMA31501		B10/F3
DMAA3151	04-100	04-100	042	0			B19/C2 *
DMAA3151	MSC3	04-155	142	0	DMA31501		B16/G3
DMAAD001	MSPP-032	04-032	009	I	DMAAD001		B2/F2
DMAAD001	04-039	04-039	003	I			B7/F5 *
DMAAD001	MSPP-048	04-048	009	I	DMAAD001		B4/F1
DMAAD011	MSPP-032	04-032	109	I	DMAAD011		B2/F2
DMAAD011	04-038	04-038	003	I			B7/B5 *
DMAAD011	MSPP-048	04-048	109	I	DMAAD011		B4/F1
DMAAD021	MSPP-032	04-032	010	I	DMAAD021		B2/F2
DMAAD021	04-039	04-039	004	I			B7/F5 *
DMAAD021	MSPP-048	04-048	010	I	DMAAD021		B4/F1
DMAAD031	MSPP-032	04-032	110	I	DMAAD031		B2/F2
DMAAD031	04-038	04-038	004	I			B7/B5 *
DMAAD031	MSPP-048	04-048	110	I	DMAAD031		B4/F1
DMAAD041	MSPP-032	04-032	011	I	DMAAD041		B2/F2
DMAAD041	04-039	04-039	005	I			B7/F5 *
DMAAD041	MSPP-048	04-048	011	I	DMAAD041		B4/F1
DMAAD051	MSPP-032	04-032	111	I	DMAAD051		B2/F2
DMAAD051	04-038	04-038	005	I			B7/B5 *
DMAAD051	MSPP-048	04-048	111	I	DMAAD051		B4/F1
DMAAD061	MSPP-032	04-032	013	I	DMAAD061		B2/F2
DMAAD061	04-039	04-039	006	I			B7/F5 *
DMAAD061	MSPP-048	04-048	013	I	DMAAD061		B4/F1
DMAAD071	MSPP-032	04-032	113	I	DMAAD071		B2/F2
DMAAD071	04-038	04-038	006	I			B7/C5 *
DMAAD071	MSPP-048	04-048	113	I	DMAAD071		B4/F1
DMAAD081	MSPP-032	04-032	014	I	DMAAD081		B2/F2
DMAAD081	04-039	04-039	007	I			B7/F5 *
DMAAD081	MSPP-048	04-048	014	I	DMAAD081		B4/F1
DMAAD091	MSPP-032	04-032	114	I	DMAAD091		B2/F2
DMAAD091	04-038	04-038	007	I			B7/C5 *
DMAAD091	MSPP-048	04-048	114	I	DMAAD091		B4/F1
DMAAD101	MSPP-032	04-032	015	I	DMAAD101		B2/F2
DMAAD101	04-039	04-039	008	I			B7/F5 *
DMAAD101	MSPP-048	04-048	015	I	DMAAD101		B4/F1
DMAAD111	MSPP-032	04-032	115	I	DMAAD111		B2/F2
DMAAD111	04-038	04-038	008	I			B7/C5 *
DMAAD111	MSPP-048	04-048	115	I	DMAAD111		B4/F1
DMAAD121	MSPP-032	04-032	016	I	DMAAD121		B2/F2
DMAAD121	04-039	04-039	009	I			B7/F5 *
DMAAD121	MSPP-048	04-048	016	I	DMAAD121		B4/F1
DMAAD131	MSPP-032	04-032	116	I	DMAAD131		B2/F2
DMAAD131	04-038	04-038	009	I			B7/C5 *
DMAAD131	MSPP-048	04-048	116	I	DMAAD131		B4/F1
DMAAD141	MSPP-032	04-032	017	I	DMAAD141		B2/F2
DMAAD141	04-039	04-039	010	I			B7/F5 *
DMAAD141	MSPP-048	04-048	017	I	DMAAD141		B4/F1
DMAAD151	MSPP-032	04-032	117	I	DMAAD151		B2/F2
DMAAD151	04-038	04-038	010	I			B7/C5 *
DMAAD151	MSPP-048	04-048	117	I	DMAAD151		B4/F1
DNAB0001	04-103	04-103	035	0			B19/B7 *
DNAB0001	IOMI-B	04-106	033	0	DMA00001		B11/F3
DNAB0011	04-102	04-102	035	0			B19/C6 *
DNAB0011	IOMI-B	04-106	433	0	DMA00101		B11/F3
DNAB0021	04-103	04-103	036	0			B19/C7 *
DNAB0021	IOMI-B	04-106	234	0	DMA00201		B11/F3
DNAB0031	04-102	04-102	036	0			B19/C6 *
DNAB0031	IOMI-B	04-106	035	0	DMA00301		B11/F3
DNAB0041	04-103	04-103	037	0			B19/C7 *
DNAB0041	IOMI-B	04-106	535	0	DMA00401		B11/F3
DNAB0051	04-102	04-102	037	0			B19/C6 *
DNAB0051	IOMI-B	04-106	436	0	DMA00501		B11/F3
DNAB0061	04-103	04-103	038	0			B19/C7 *
DNAB0061	IOMI-B	04-106	237	0	DMA00601		B11/F3

21 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	SYMLOC XT
DNAB0071	04-102	04-102	038	0			B19/C6 *
DNAB0071	IOMI-B	04-106	038	0	DMA00701		B11/F3
DNAB0081	04-103	04-103	039	0			B19/C7 *
DNAB0081	IOMI-B	04-106	438	0	DMA00801		B11/F3
DNAB0091	04-102	04-102	039	0			B19/C6 *
DNAB0091	IOMI-B	04-106	040	0	DMA00901		B11/F3
DNAB0101	04-103	04-103	040	0			B19/C7 *
DNAB0101	IOMI-B	04-106	440	0	DMA01001		B11/F3
DNAB0111	04-102	04-102	040	0			B19/C6 *
DNAB0111	IOMI-B	04-106	241	0	DMA01101		B11/F3
DNAB0121	04-103	04-103	041	0			B19/C7 *
DNAB0121	IOMI-B	04-106	042	0	DMA01201		B11/F3
DNAB0131	04-102	04-102	041	0			B19/C6 *
DNAB0131	IOMI-B	04-106	442	0	DMA01301		B11/F3
DNAB0141	04-103	04-103	042	0			B19/C7 *
DNAB0141	IOMI-B	04-106	343	0	DMA01401		B11/F3
DNAB0151	04-102	04-102	042	0			B19/C6 *
DNAB0151	IOMI-B	04-106	144	0	DMA01501		B11/F3
DNAB1001	04-105	04-105	035	0			B20/C2 *
DNAB1001	IOMI-B	04-106	133	0	DMA10001		B11/F3
DNAB1011	04-104	04-104	035	0			B20/C1 *
DNAB1011	IOMI-B	04-106	533	0	DMA10101		B11/F3
DNAB1021	04-105	04-105	036	0			B20/C2 *
DNAB1021	IOMI-B	04-106	334	0	DMA10201		B11/F3
DNAB1031	04-104	04-104	036	0			B20/C1 *
DNAB1031	IOMI-B	04-106	135	0	DMA10		

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22 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	XT
DMAB2001	04-113		04-113	035	0		B20/C6 *
DMAB2011	IOMI-B		04-106	034	0	DMA20101	B11/F3
DMAB2011	04-112		04-112	035	0		B20/C4 *
DMAB2021	IOMI-B		04-106	434	0	DMA20201	B11/F3
DMAB2021	04-113		04-113	036	0		B20/C6 *
DMAB2031	IOMI-B		04-106	235	0	DMA20301	B11/F3
DMAB2031	04-112		04-112	036	0		B20/C4 *
DMAB2041	IOMI-B		04-106	136	0	DMA20401	B11/F3
DMAB2041	04-113		04-113	037	0		B20/C6 *
DMAB2051	IOMI-B		04-106	037	0	DMA20501	B11/F3
DMAB2051	04-112		04-112	037	0		B20/C4 *
DMAB2061	IOMI-B		04-106	437	0	DMA20601	B11/F3
DMAB2061	04-113		04-113	038	0		B20/C6 *
DMAB2071	IOMI-B		04-106	238	0	DMA20701	B11/F3
DMAB2071	04-112		04-112	038	0		B20/C4 *
DMAB2081	IOMI-B		04-106	039	0	DMA20801	B11/F3
DMAB2081	04-113		04-113	039	0		B20/C6 *
DMAB2091	IOMI-B		04-106	240	0	DMA20901	B11/F3
DMAB2091	04-112		04-112	039	0		B20/C4 *
DMAB2101	IOMI-B		04-106	041	0	DMA21001	B11/F3
DMAB2101	04-113		04-113	040	0		B20/C6 *
DMAB2111	IOMI-B		04-106	441	0	DMA21101	B11/F3
DMAB2111	04-112		04-112	040	0		B20/D4 *
DMAB2121	IOMI-B		04-106	242	0	DMA21201	B11/F3
DMAB2121	04-113		04-113	041	0		B20/C6 *
DMAB2131	IOMI-B		04-106	043	0	DMA21301	B11/F3
DMAB2131	04-112		04-112	041	0		B20/D4 *
DMAB2141	IOMI-B		04-106	543	0	DMA21401	B11/F3
DMAB2141	04-113		04-113	042	0		B20/C6 *
DMAB2151	IOMI-B		04-106	444	0	DMA21501	B11/F3
DMAB2151	04-112		04-112	042	0		B20/D4 *
DMAB3001	IOMI-B		04-106	333	0	DMA30001	B11/F3
DMAB3001	04-115		04-115	035	0		B21/C1 *
DMAB3011	IOMI-B		04-106	134	0	DMA30101	B11/F3
DMAB3011	04-114		04-114	035	0		B20/C7 *
DMAB3021	IOMI-B		04-106	534	0	DMA30201	B11/F3
DMAB3021	04-115		04-115	036	0		B21/C1 *
DMAB3031	IOMI-B		04-106	435	0	DMA30301	B11/F3
DMAB3031	04-114		04-114	036	0		B20/C7 *
DMAB3041	IOMI-B		04-106	336	0	DMA30401	B11/F3
DMAB3041	04-115		04-115	037	0		B21/C1 *
DMAB3051	IOMI-B		04-106	137	0	DMA30501	B11/F3
DMAB3051	04-114		04-114	037	0		B20/C7 *
DMAB3061	IOMI-B		04-106	537	0	DMA30601	B11/F3
DMAB3061	04-115		04-115	038	0		B21/C1 *
DMAB3071	IOMI-B		04-106	338	0	DMA30701	B11/F3
DMAB3071	04-114		04-114	038	0		B20/C7 *
DMAB3081	IOMI-B		04-106	539	0	DMA30801	B11/F3
DMAB3081	04-115		04-115	039	0		B21/C1 *
DMAB3091	IOMI-B		04-106	340	0	DMA30901	B11/F3
DMAB3091	04-114		04-114	039	0		B20/C7 *
DMAB3101	IOMI-B		04-106	141	0	DMA31001	B11/F3
DMAB3101	04-115		04-115	040	0		B21/C1 *
DMAB3111	IOMI-B		04-106	541	0	DMA31101	B11/F3
DMAB3111	04-114		04-114	040	0		B20/D7 *
DMAB3121	IOMI-B		04-106	342	0	DMA31201	B11/F3
DMAB3121	04-115		04-115	041	0		B21/C1 *
DMAB3131	IOMI-B		04-106	143	0	DMA31301	B11/F3
DMAB3131	04-114		04-114	041	0		B20/D7 *
DMAB3141	IOMI-B		04-106	044	0	DMA31401	B11/F3
DMAB3141	04-115		04-115	042	0		B21/C1 *
DMAB3151	IOMI-B		04-106	544	0	DMA31501	B11/F3
DMAB3151	04-114		04-114	042	0		B20/D7 *

23 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	XT
DNAC0001	04-117		04-117	035	0		B21/C4 *
DNAC0001	IOMI-C		04-120	033	0	DMA00001	B12/F3
DNAC0011	04-116		04-116	035	0		B21/C3 *
DNAC0011	IOMI-C		04-120	433	0	DMA00101	B12/F3
DNAC0021	04-117		04-117	036	0		B21/C4 *
DNAC0021	IOMI-C		04-120	234	0	DMA00201	B12/F3
DNAC0031	04-116		04-116	036	0		B21/C3 *
DNAC0031	IOMI-C		04-120	035	0	DMA00301	B12/F3
DNAC0041	04-117		04-117	037	0		B21/C4 *
DNAC0041	IOMI-C		04-120	535	0	DMA00401	B12/F3
DNAC0051	04-116		04-116	037	0		B21/C3 *
DNAC0051	IOMI-C		04-120	436	0	DMA00501	B12/F3
DNAC0061	04-117		04-117	038	0		B21/C4 *
DNAC0061	IOMI-C		04-120	237	0	DMA00601	B12/F3
DNAC0071	04-116		04-116	038	0		B21/C3 *
DNAC0071	IOMI-C		04-120	038	0	DMA00701	B12/F3
DNAC0081	04-117		04-117	039	0		B21/C4 *
DNAC0081	IOMI-C		04-120	438	0	DMA00801	B12/F3
DNAC0091	04-116		04-116	039	0		B21/C3 *
DNAC0091	IOMI-C		04-120	040	0	DMA00901	B12/F3
DNAC0101	04-117		04-117	040	0		B21/C4 *
DNAC0101	IOMI-C		04-120	440	0	DMA01001	B12/F3
DNAC0111	04-116		04-116	040	0		B21/C3 *
DNAC0111	IOMI-C		04-120	241	0	DMA01101	B12/F3
DNAC0121	04-117		04-117	041	0		B21/C4 *
DNAC0121	IOMI-C		04-120	042	0	DMA01201	B12/F3
DNAC0131	04-116		04-116	041	0		B21/D3 *
DNAC0131	IOMI-C		04-120	442	0	DMA01301	B12/F3
DNAC0141	04-117		04-117	042	0		B21/C4 *
DNAC0141	IOMI-C		04-120	343	0	DMA01401	B12/F3
DNAC0151	04-116		04-116	042	0		B21/D3 *
DNAC0151	IOMI-C		04-120	144	0	DMA01501	B12/F3
DNAC1001	04-119		04-119	035	0		B21/C7 *
DNAC1001	IOMI-C		04-120	133	0	DMA10001	B12/F3
DNAC1011	04-118		04-118	035	0		B21/C6 *
DNAC1011	IOMI-C		04-120	533	0	DMA10101	B12/F3
DNAC1021	04-119		04-119	036	0		B21/C7 *
DNAC1021	IOMI-C		04-120	334	0	DMA10201	B12/F3
DNAC1031	04-118		04-118	036	0		B21/C6 *
DNAC1031	IOMI-C		04-120	135	0	DMA10301	B12/F3
DNAC1041	04-119		04-119	037	0		B21/C7 *
DNAC1041	IOMI-C		04-120	036	0	DMA10401	B12/F3
DNAC1051	04-118		04-118	037	0		B21/C6 *
DNAC1051	IOMI-C		04-120	536	0	DMA10501	B12/F3
DNAC1061	04-119		04-119	038	0		B21/C7 *
DNAC1061	IOMI-C		04-120	337	0	DMA10601	B12/F3
DNAC1071	04-118		04-118	038	0		B21/C6 *
DNAC1071	IOMI-C		04-120	138	0	DMA10701	B12/F3
DNAC1081	04-119		04-119	039	0		B21/C7 *
DNAC1081	IOMI-C		04-120	538	0	DMA10801	B12/F3
DNAC1091	04-118		04-118	039	0		B21/C6 *
DNAC1091	IOMI-C		04-120	140	0	DMA10901	B12/F3
DNAC1101	04-119		04-119	040	0		B21/C7 *
DNAC1101	IOMI-C		04-120	540	0	DMA11001	B12/F3
DNAC1111	04-118		04-118	040	0		B21/C6 *
DNAC1111	IOMI-C		04-120	341	0	DMA11101	B12/F3
DNAC1121	04-119		04-119	041	0		B21/C7 *
DNAC1121	IOMI-C		04-120	142	0	DMA11201	B12/F3
DNAC1131	04-118		04-118	041	0		B21/D6 *
DNAC1131	IOMI-C		04-120	542	0	DMA11301	B12/F3
DNAC1141	04-119		04-119	042	0		B21/C7 *
DNAC1141	IOMI-C		04-120	443	0	DMA11401	B12/F3
DNAC1151	04-118		04-118	042	0		B21/D6 *
DNAC1151	IOMI-C		04-120	244	0	DMA11501	B12/F3

24 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	XT
DNAC2001	IOMI-C		04-120	233	0	DMA20001	B12/F3
DNAC2001	04-127		04-127	035	0		B22/C2 *
DNAC2011	IOMI-C		04-120	034	0	DMA20101	B12/F3
DNAC2011	04-126		04-126	035	0		B22/C1 *
DNAC2021	IOMI-C		04-120	434	0	DMA20201	B12/F3
DNAC2021	04-127		04-127	036	0		B22/C2 *
DNAC2031	IOMI-C		04-120	235	0	DMA20301	B12/F3
DNAC2031	04-126		04-126	036	0		B22/C1 *
DNAC2041	IOMI-C		04-120	136	0	DMA20401	B12/F3
DNAC2041	04-127		04-127	037	0		B22/C2 *
DNAC2051	IOMI-C		04-120	037	0	DMA20501	B12/F3
DNAC2051	04-126		04-126	037	0		B22/C1 *
DNAC2061	IOMI-C		04-120	437	0	DMA20601	B12/F3
DNAC2061	04-127		04-127	038	0		B22/C2 *
DNAC2071	IOMI-C		04-120	238	0	DMA20701	B12/F3
DNAC2071	04-126		04-126	038	0		B22/C1 *
DNAC2081	IOMI-C		04-120	039	0	DMA20801	B12/F3
DNAC2081	04-127		04-127	039	0		B22/C2 *
DNAC2091	IOMI-C		04-120	240	0	DMA20901	B12/F3
DNAC2091	04-126		04-126	039	0		B22/C1 *
DNAC2101	IOMI-C		04-120	041	0	DMA21001	B12/F3
DNAC2101	04-127		04-127	040	0		B22/C2 *
DNAC2111	IOMI-C		04-120	441	0	DMA21101	B12/F3
DNAC2111	04-126		04-126	040	0		B22/C1 *
DNAC2121	IOMI-C		04-120	242	0	DMA21201	B12/F3
DNAC2121	04-127		04-127	041	0		B22/C2 *
DNAC2131	IOMI-C		04-120	043	0	DMA21301	B12/F3
DNAC2131	04-126		04-126	041	0		B22/D1 *
DNAC2141	IOMI-C		04-120	543	0	DMA21401	B12/F3
DNAC2141	04-127		04-127	042	0		B22/C2 *
DNAC2151	IOMI-C		04-120	444	0	DMA21501	B12/F3
DNAC2151	04-126		04-126	042	0		B22/D1 *
DNAC3001	IOMI-C		04-120	333	0	DMA30001	B12/F3
DNAC3001	04-129		04-129	035	0		B22/C5 *
DNAC3011	IOMI-C		04-120	134	0	DMA30101	B12/F3
DNAC3011	04-128		04-128	035	0		B22/C4 *
DNAC3021	IOMI-C		04-120	534	0	DMA30201	B12/F3
DNAC3021	04-129		04-129	036	0		B22/C5 *
DNAC3031	IOMI-C		04-120	435	0	DMA30301	B12/F3
DNAC3031	04-128		04-128	036			

25 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	XT
DMAC3091	04-128		04-128	039		O	B22/C4 *
DMAC3101	IOMI-C		04-120	141		O DMA31001	B12/F3
DMAC3101	04-129		04-129	040		O	B22/C5 *
DMAC3111	IOMI-C		04-120	541		O DMA31101	B12/F3
DMAC3111	04-128		04-128	040		O	B22/C4 *
DMAC3121	IOMI-C		04-120	342		O DMA31201	B12/F3
DMAC3121	04-129		04-129	041		O	B22/C5 *
DMAC3131	IOMI-C		04-120	143		O DMA31301	B12/F3
DMAC3131	04-128		04-128	041		O	B22/D4 *
DMAC3141	IOMI-C		04-120	044		O DMA31401	B12/F3
DMAC3141	04-129		04-129	042		O	B22/C5 *
DMAC3151	IOMI-C		04-120	544		O DMA31501	B12/F3
DMAC3151	04-128		04-128	042		O	B22/D4 *
DMAD0001	04-131		04-131	035		O	B23/C1 *
DMAD0001	IOMI-D		04-134	033		O DMA00001	B13/G3
DMAD0011	04-130		04-130	035		O	B22/C7 *
DMAD0011	IOMI-D		04-134	433		O DMA00101	B13/G3
DMAD0021	04-131		04-131	036		O	B23/C1 *
DMAD0021	IOMI-D		04-134	234		O DMA00201	B13/G3
DMAD0031	04-130		04-130	036		O	B22/C7 *
DMAD0031	IOMI-D		04-134	035		O DMA00301	B13/G3
DMAD0041	04-131		04-131	037		O	B23/C1 *
DMAD0041	IOMI-D		04-134	535		O DMA00401	B13/G3
DMAD0051	04-130		04-130	037		O	B22/D7 *
DMAD0051	IOMI-D		04-134	436		O DMA00501	B13/G3
DMAD0061	04-131		04-131	038		O	B23/C1 *
DMAD0061	IOMI-D		04-134	237		O DMA00601	B13/G3
DMAD0071	04-130		04-130	038		O	B22/D7 *
DMAD0071	IOMI-D		04-134	038		O DMA00701	B13/G3
DMAD0081	04-131		04-131	039		O	B23/C1 *
DMAD0081	IOMI-D		04-134	438		O DMA00801	B13/G3
DMAD0091	04-130		04-130	039		O	B22/D7 *
DMAD0091	IOMI-D		04-134	040		O DMA00901	B13/G3
DMAD0101	04-131		04-131	040		O	B23/C1 *
DMAD0101	IOMI-D		04-134	440		O DMA01001	B13/G3
DMAD0111	04-130		04-130	040		O	B22/D7 *
DMAD0111	IOMI-D		04-134	241		O DMA01101	B13/G3
DMAD0121	04-131		04-131	041		O	B23/C1 *
DMAD0121	IOMI-D		04-134	042		O DMA01201	B13/G3
DMAD0131	04-130		04-130	041		O	B22/D7 *
DMAD0131	IOMI-D		04-134	442		O DMA01301	B13/G3
DMAD0141	04-131		04-131	042		O	B23/D1 *
DMAD0141	IOMI-D		04-134	343		O DMA01401	B13/G3
DMAD0151	04-130		04-130	042		O	B22/D7 *
DMAD0151	IOMI-D		04-134	144		O DMA01501	B13/G3
DMAD1001	04-133		04-133	035		O	B23/C4 *
DMAD1001	IOMI-D		04-134	133		O DMA10001	B13/G3
DMAD1011	04-132		04-132	035		O	B23/C3 *
DMAD1011	IOMI-D		04-134	533		O DMA10101	B13/G3
DMAD1021	04-133		04-133	036		O	B23/C4 *
DMAD1021	IOMI-D		04-134	334		O DMA10201	B13/G3
DMAD1031	04-132		04-132	036		O	B23/C3 *
DMAD1031	IOMI-D		04-134	135		O DMA10301	B13/G3
DMAD1041	04-133		04-133	037		O	B23/C4 *
DMAD1041	IOMI-D		04-134	036		O DMA10401	B13/G3
DMAD1051	04-132		04-132	037		O	B23/C3 *
DMAD1051	IOMI-D		04-134	536		O DMA10501	B13/G3
DMAD1061	04-133		04-133	038		O	B23/C4 *
DMAD1061	IOMI-D		04-134	337		O DMA10601	B13/G3
DMAD1071	04-132		04-132	038		O	B23/C3 *
DMAD1071	IOMI-D		04-134	138		O DMA10701	B13/G3
DMAD1081	04-133		04-133	039		O	B23/C4 *
DMAD1081	IOMI-D		04-134	538		O DMA10801	B13/G3

26 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	XT
DMAD1091	04-132		04-132	039		O	B23/D3 *
DMAD1091	IOMI-D		04-134	140		O DMA10901	B13/G3
DMAD1101	04-133		04-133	040		O	B23/C4 *
DMAD1101	IOMI-D		04-134	540		O DMA11001	B13/G3
DMAD1111	04-132		04-132	040		O	B23/D3 *
DMAD1111	IOMI-D		04-134	341		O DMA11101	B13/G3
DMAD1121	04-133		04-133	041		O	B23/C4 *
DMAD1121	IOMI-D		04-134	142		O DMA11201	B13/G3
DMAD1131	04-132		04-132	041		O	B23/D3 *
DMAD1131	IOMI-D		04-134	542		O DMA11301	B13/G3
DMAD1141	04-133		04-133	042		O	B23/D4 *
DMAD1141	IOMI-D		04-134	443		O DMA11401	B13/G3
DMAD1151	04-132		04-132	042		O	B23/D3 *
DMAD1151	IOMI-D		04-134	244		O DMA11501	B13/G3
DMAD2001	IOMI-D		04-134	233		O DMA20001	B13/G3
DMAD2001	04-143		04-143	035		O	B23/C7 *
DMAD2011	IOMI-D		04-134	034		O DMA20101	B13/G3
DMAD2011	04-142		04-142	035		O	B23/C6 *
DMAD2021	IOMI-D		04-134	434		O DMA20201	B13/G3
DMAD2021	04-143		04-143	036		O	B23/C7 *
DMAD2031	IOMI-D		04-134	235		O DMA20301	B13/G3
DMAD2031	04-142		04-142	036		O	B23/C6 *
DMAD2041	IOMI-D		04-134	136		O DMA20401	B13/G3
DMAD2041	04-143		04-143	037		O	B23/C7 *
DMAD2051	IOMI-D		04-134	037		O	B13/G3
DMAD2051	04-142		04-142	037		O	B23/C6 *
DMAD2061	IOMI-D		04-134	437		O DMA20601	B13/G3
DMAD2061	04-143		04-143	038		O	B23/C7 *
DMAD2071	IOMI-D		04-134	238		O DMA20701	B13/G3
DMAD2071	04-142		04-142	038		O	B23/C6 *
DMAD2081	IOMI-D		04-134	039		O DMA20801	B13/G3
DMAD2081	04-143		04-143	039		O	B23/C7 *
DMAD2091	IOMI-D		04-134	240		O DMA20901	B13/G3
DMAD2091	04-142		04-142	039		O	B23/D6 *
DMAD2101	IOMI-D		04-134	041		O DMA21001	B13/G3
DMAD2101	04-143		04-143	040		O	B23/C7 *
DMAD2111	IOMI-D		04-134	441		O DMA21101	B13/G3
DMAD2111	04-142		04-142	040		O	B23/D6 *
DMAD2121	IOMI-D		04-134	242		O DMA21201	B13/G3
DMAD2121	04-143		04-143	041		O	B23/C7 *
DMAD2131	IOMI-D		04-134	043		O DMA21301	B13/G3
DMAD2131	04-142		04-142	041		O	B23/D6 *
DMAD2141	IOMI-D		04-134	543		O DMA21401	B13/G3
DMAD2141	04-143		04-143	042		O	B23/D7 *
DMAD2151	IOMI-D		04-134	444		O DMA21501	B13/G3
DMAD2151	04-142		04-142	042		O	B23/D6 *
DMAD3001	IOMI-D		04-134	333		O DMA30001	B13/G3
DMAD3001	04-145		04-145	035		O	B24/C4 *
DMAD3011	IOMI-D		04-134	134		O DMA30101	B13/G3
DMAD3011	04-144		04-144	035		O	B24/D3 *
DMAD3021	IOMI-D		04-134	534		O DMA30201	B13/G3
DMAD3021	04-145		04-145	036		O	B24/C4 *
DMAD3031	IOMI-D		04-134	435		O DMA30301	B13/G3
DMAD3031	04-144		04-144	036		O	B24/D3 *
DMAD3041	IOMI-D		04-134	336		O DMA30401	B13/G3
DMAD3041	04-145		04-145	037		O	B24/D4 *
DMAD3051	IOMI-D		04-134	137		O DMA30501	B13/G3
DMAD3051	04-144		04-144	037		O	B24/D3 *
DMAD3061	IOMI-D		04-134	537		O DMA30601	B13/G3
DMAD3061	04-145		04-145	038		O	B24/D4 *
DMAD3071	IOMI-D		04-134	338		O DMA30701	B13/G3
DMAD3071	04-144		04-144	038		O	B24/D3 *
DMAD3081	IOMI-D		04-134	539		O DMA30801	B13/G3
DMAD3081	04-145		04-145	039		O	B24/D4 *

27 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMMOD	XT
DMAD3091	IOMI-D		04-134	340		O DMA30901	B13/G3
DMAD3091	04-144		04-144	039		O	B24/D3 *
DMAD3101	IOMI-D		04-134	141		O DMA31001	B13/G3
DMAD3101	04-145		04-145	040		O	B24/D4 *
DMAD3111	IOMI-D		04-134	541		O DMA31101	B13/G3
DMAD3111	04-144		04-144	040		O	B24/D3 *
DMAD3121	IOMI-D		04-134	342		O DMA31201	B13/G3
DMAD3121	04-145		04-145	041		O	B24/D4 *
DMAD3131	IOMI-D		04-134	143		O DMA31301	B13/G3
DMAD3131	04-144		04-144	041		O	B24/D3 *
DMAD3141	IOMI-D		04-134	044		O DMA31401	B13/G3
DMAD3141	04-145		04-145	042		O	B24/D4 *
DMAD3151	IOMI-D		04-134	544		O DMA31501	B13/G3
DMAD3151	04-144		04-144	042		O	B24/D3 *
DMADA001	04-087		04-087	048		IO	B18/C3 *
DMADA001	IOMI-A		04-090	145		IO DMAD00B1	B10/F3
DMADA001	MSC3		04-155	748		IO DMAD001	B16/G3
DMADA01	MSPP-032		04-032	005		I DMADA001	B2/F2
DMADA01	04-039		04-039	016		I	B7/F5 *
DMADA01	MSPP-048		04-048	005		I DMADA001	B4/F1
DMADA011	04-086		04-086	048		IO	B18/D1 *
DMADA011	IOMI-A		04-090	545		IO DMAD01B1	B10/F3
DMADA011	MSC3		04-155	648		IO DMAD011	B16/G3
DMADA021	04-087		04-087	049		IO	B18/C3 *
DMADA021	IOMI-A		04-090	346		IO DMAD02B1	B10/F3
DMADA021	MSC3		04-155	749		IO DMAD021	B16/G3
DMADA031	04-086		04-086	049		IO	B18/D1 *
DMADA031	IOMI-A		04-090	147		IO DMAD03B1	B10/F3
DMADA031	MSC3		04-155	649		IO DMAD031	B16/G3
DMADA041	04-087		04-087	050		IO	B18/C3 *
DMADA041	IOMI-A		04-090	148		IO DMAD04B1	B10/F3
DMADA041	MSC3		04-155	750		IO DMAD041	B16/G3
DMADA051	04-086		04-086	050		IO	B18/D1 *
DMADA051	IOMI-A		04-090	548		IO DMAD05B1	B10/F3
DMADA051	MSC3		04-155	650		IO DMAD051	B16/G3
DMADA061	04-087		04-087	051		IO	B18/D3 *
DMADA061	IOMI-A		04-090	349		IO DMAD06B1	B10/F3
DMADA061	MSC3		04-155	751		IO DMAD061	B16/G3
DMADA071	04-086		04-086	051		IO	B18/D1 *
DMADA071	IOMI-A		04-090	150		IO DMAD07B1	B10/F3
DMADA071	MSC3		04-155	651		IO DMAD071	B16/G3
DMADA081	04-087		04-087	052		IO	B18/D3 *
DMADA081	IOMI-A		04-090	551		IO DMAD08B1	B10/F3
DMADA081	MSC3		04-155	752		IO DMAD081	B16/G3
DMADA101	04-089						

28 LEAD INDEX (CONTINUED)								
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMOD	SYMLOC	XT
DMADA121	MSC3		04-155	349	IO	DMAD121	B16/G3	
DMADA131	04-088		04-088	049	IO		B18/D4	*
DMADA131	IOMI-A		04-090	447	IO	DMAD13B1	B10/F3	
DMADA131	MSC3		04-155	249	IO	DMAD131	B16/G3	
DMADA141	04-089		04-089	050	IO		B18/C6	*
DMADA141	IOMI-A		04-090	248	IO	DMAD14B1	B10/F3	
DMADA141	MSC3		04-155	350	IO	DMAD141	B16/G3	
DMADA151	04-088		04-088	050	IO		B18/D4	*
DMADA151	IOMI-A		04-090	049	IO	DMAD15B1	B10/F3	
DMADA151	MSC3		04-155	250	IO	DMAD151	B16/G3	
DMADA161	04-089		04-089	051	IO		B18/D6	*
DMADA161	IOMI-A		04-090	449	IO	DMAD16B1	B10/F3	
DMADA161	MSC3		04-155	351	IO	DMAD161	B16/G3	
DMADA171	04-088		04-088	051	IO		B18/D4	*
DMADA171	IOMI-A		04-090	250	IO	DMAD17B1	B10/F3	
DMADA171	MSC3		04-155	251	IO	DMAD171	B16/G3	
DMADA181	04-089		04-089	052	IO		B18/D6	*
DMADA181	IOMI-A		04-090	451	IO	DMAD18B1	B10/F3	
DMADA181	MSC3		04-155	352	IO	DMAD1P1	B16/G3	
DMADA201	IOMI-A		04-090	345	IO	DMAD20B1	B10/F3	
DMADA201	04-099		04-099	048	IO		B19/C0	*
DMADA201	MSC3		04-155	548	IO	DMAD201	B16/G3	
DMADA21	MSPP-032		04-032	006	I	DMADA021	B2/F2	
DMADA21	04-039		04-039	017	I		B7/F5	*
DMADA21	MSPP-048		04-048	006	I	DMADA021	B4/F1	
DMADA211	IOMI-A		04-090	146	IO	DMAD21B1	B10/F3	
DMADA211	04-098		04-098	048	IO		B18/D7	*
DMADA211	MSC3		04-155	448	IO	DMAD211	B16/G3	
DMADA221	IOMI-A		04-090	546	IO	DMAD22B1	B10/F3	
DMADA221	04-099		04-099	049	IO		B19/C0	*
DMADA221	MSC3		04-155	549	IO	DMAD221	B16/G3	
DMADA231	IOMI-A		04-090	547	IO	DMAD23B1	B10/F3	
DMADA231	04-098		04-098	049	IO		B18/D7	*
DMADA231	MSC3		04-155	449	IO	DMAD231	B16/G3	
DMADA241	IOMI-A		04-090	348	IO	DMAD24B1	B10/F3	
DMADA241	04-099		04-099	050	IO		B19/C0	*
DMADA241	MSC3		04-155	550	IO	DMAD241	B16/G3	
DMADA251	IOMI-A		04-090	149	IO	DMAD25B1	B10/F3	
DMADA251	04-098		04-098	050	IO		B18/D7	*
DMADA251	MSC3		04-155	450	IO	DMAD251	B16/G3	
DMADA261	IOMI-A		04-090	549	IO	DMAD26B1	B10/F3	
DMADA261	04-099		04-099	051	IO		B19/D0	*
DMADA261	MSC3		04-155	551	IO	DMAD261	B16/G3	
DMADA271	IOMI-A		04-090	450	IO	DMAD27B1	B10/F3	
DMADA271	04-098		04-098	051	IO		B18/D7	*
DMADA271	MSC3		04-155	451	IO	DMAD271	B16/G3	
DMADA281	IOMI-A		04-090	151	IO	DMAD28B1	B10/F3	
DMADA281	04-099		04-099	052	IO		B19/D0	*
DMADA281	MSC3		04-155	552	IO	DMAD2P1	B16/G3	
DMADA301	IOMI-A		04-090	445	IO	DMAD30B1	B10/F3	
DMADA301	04-101		04-101	048	IO		B19/C4	*
DMADA301	MSC3		04-155	148	IO	DMAD301	B16/G3	
DMADA31	MSPP-032		04-032	106	I	DMADA031	B2/F2	
DMADA31	04-038		04-038	017	IO		B7/C5	*
DMADA31	MSPP-048		04-048	106	I	DMADA031	B4/F1	
DMADA311	IOMI-A		04-090	246	IO	DMAD31B1	B10/F3	
DMADA311	04-100		04-100	048	IO		B19/D2	*
DMADA311	MSC3		04-155	048	IO	DMAD311	B16/G3	
DMADA321	IOMI-A		04-090	047	IO	DMAD32B1	B10/F3	
DMADA321	04-101		04-101	049	IO		B19/C4	*
DMADA321	MSC3		04-155	149	IO	DMAD321	B16/G3	
DMADA331	IOMI-A		04-090	048	IO	DMAD33B1	B10/F3	
DMADA331	04-100		04-100	049	IO		B19/D2	*
DMADA331	MSC3		04-155	049	IO	DMAD331	B16/G3	
DMADA341	IOMI-A		04-090	448	IO	DMAD34B1	B10/F3	
DMADA341	04-101		04-101	050	IO		B19/C4	*
DMADA341	MSC3		04-155	150	IO	DMAD341	B16/G3	
DMADA351	IOMI-A		04-090	249	IO	DMAD35B1	B10/F3	
DMADA351	04-100		04-100	050	IO		B19/D2	*
DMADA351	MSC3		04-155	050	IO	DMAD351	B16/G3	
DMADA361	IOMI-A		04-090	050	IO	DMAD36B1	B10/F3	

29 LEAD INDEX (CONTINUED)								
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMOD	SYMLOC	XT
DMADA361	04-101		04-101	051	IO		B19/C4	*
DMADA361	MSC3		04-155	151	IO	DMAD361	B16/G3	
DMADA371	IOMI-A		04-090	550	IO	DMAD37B1	B10/F3	
DMADA371	04-100		04-100	051	IO		B19/D2	*
DMADA371	MSC3		04-155	051	IO	DMAD371	B16/G3	
DMADA381	IOMI-A		04-090	051	IO	DMAD38B1	B10/F3	
DMADA381	04-101		04-101	052	IO		B19/D4	*
DMADA381	MSC3		04-155	152	IO	DMAD3P1	B16/G3	
DMADA41	MSPP-032		04-032	007	I	DMADA041	B2/F2	
DMADA41	04-039		04-039	018	I		B7/G5	*
DMADA41	MSPP-048		04-048	007	I	DMADA041	B4/F1	
DMADA51	MSPP-032		04-032	107	I	DMADA051	B2/F2	
DMADA51	04-038		04-038	018	IO		B7/C5	*
DMADA51	MSPP-048		04-048	107	I	DMADA051	B4/F1	
DMADA61	MSPP-032		04-032	008	I	DMADA061	B2/F2	
DMADA61	04-039		04-039	019	I		B7/G5	*
DMADA61	MSPP-048		04-048	008	I	DMADA061	B4/F1	
DMADA71	MSPP-032		04-032	108	I	DMADA071	B2/F2	
DMADA71	04-038		04-038	019	IO		B7/C5	*
DMADA71	MSPP-048		04-048	108	I	DMADA071	B4/F1	
DMADAP1	MSPP-032		04-032	205	I	DMADAP1	B2/F2	
DMADAP1	04-039		04-039	020	I		B7/F5	*
DMADAP1	MSPP-048		04-048	205	I	DMADAP1	B4/F1	
DMADB001	04-103		04-103	048	IO		B19/C7	*
DMADB001	IOMI-B		04-106	145	IO	DMAD00B1	B11/F3	
DMADB011	04-102		04-102	048	IO		B19/D6	*
DMADB011	IOMI-B		04-106	545	IO	DMAD01B1	B11/F3	
DMADB021	04-103		04-103	049	IO		B19/C7	*
DMADB021	IOMI-B		04-106	346	IO	DMAD02B1	B11/F3	
DMADB031	04-102		04-102	049	IO		B19/D6	*
DMADB031	IOMI-B		04-106	147	IO	DMAD03B1	B11/F3	
DMADB041	04-103		04-103	050	IO		B19/C7	*
DMADB041	IOMI-B		04-106	148	IO	DMAD04B1	B11/F3	
DMADB051	04-102		04-102	050	IO		B19/D6	*
DMADB051	IOMI-B		04-106	548	IO	DMAD05B1	B11/F3	
DMADB061	04-103		04-103	051	IO		B19/C7	*
DMADB061	IOMI-B		04-106	349	IO	DMAD06B1	B11/F3	
DMADB071	04-102		04-102	051	IO		B19/D6	*
DMADB071	IOMI-B		04-106	150	IO	DMAD07B1	B11/F3	
DMADB081	04-103		04-103	052	IO		B19/D7	*
DMADB081	IOMI-B		04-106	551	IO	DMAD08B1	B11/F3	
DMADB101	04-105		04-105	048	IO		B20/C2	*
DMADB101	IOMI-B		04-106	245	IO	DMAD10B1	B11/F3	
DMADB111	04-104		04-104	048	IO		B20/D1	*
DMADB111	IOMI-B		04-106	046	IO	DMAD11B1	B11/F3	
DMADB121	04-105		04-105	049	IO		B20/D2	*
DMADB121	IOMI-B		04-106	446	IO	DMAD12B1	B11/F3	
DMADB131	04-104		04-104	049	IO		B20/D1	*
DMADB131	IOMI-B		04-106	447	IO	DMAD13B1	B11/F3	
DMADB141	04-105		04-105	050	IO		B20/D2	*
DMADB141	IOMI-B		04-106	248	IO	DMAD14B1	B11/F3	
DMADB151	04-104		04-104	050	IO		B20/D1	*
DMADB151	IOMI-B		04-106	049	IO	DMAD15B1	B11/F3	
DMADB161	04-105		04-105	051	IO		B20/D2	*
DMADB161	IOMI-B		04-106	449	IO	DMAD16B1	B11/F3	
DMADB171	04-104		04-104	051	IO		B20/D1	*
DMADB171	IOMI-B		04-106	250	IO	DMAD17B1	B11/F3	
DMADB181	04-105		04-105	052	IO		B20/D2	*
DMADB181	IOMI-B		04-106	451	IO	DMAD18B1	B11/F3	
DMADB201	IOMI-B		04-106	345	IO	DMAD20B1	B11/F3	
DMADB201	04-113		04-113	048	IO		B20/C6	*
DMADB211	IOMI-B		04-106	146	IO	DMAD21B1	B11/F3	
DMADB211	04-112		04-112	048	IO		B20/D4	*
DMADB221	IOMI-B		04-106	546	IO	DMAD22B1	B11/F3	
DMADB221	04-113		04-113	049	IO		B20/D6	*
DMADB231	IOMI-B		04-106	547	IO	DMAD23B1	B11/F3	

30 LEAD INDEX (CONTINUED)								
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMOD	SYMLOC	XT
DMADB231	04-112		04-112	049	IO		B20/D4	*
DMADB241	IOMI-B		04-106	348	IO	DMAD24B1	B11/F3	
DMADB241	04-113		04-113	050	IO		B20/D6	*
DMADB251	IOMI-B		04-106	149	IO	DMAD25B1	B11/F3	
DMADB251	04-112		04-112	050	IO		B20/D4	*
DMADB261	IOMI-B		04-106	549	IO	DMAD26B1	B11/F3	
DMADB261	04-113		04-113	051	IO		B20/D6	*
DMADB271	IOMI-B		04-106	450	IO	DMAD27B1	B11/F3	
DMADB271	04-112		04-112	051	IO		B20/D4	*
DMADB281	IOMI-B		04-106	151	IO	DMAD28B1	B11/F3	
DMADB281	04-113		04-113	052	IO		B20/D6	*
DMADB301	IOMI-B		04-106	445	IO	DMAD30B1	B11/F3	
DMADB301	04-115		04-115	048	IO		B21/C1	*
DMADB311	IOMI-B		04-106	246	IO	DMAD31B1	B11/F3	
DMADB311	04-114		04-114	048	IO		B20/D7	*
DMADB321	IOMI-B		04-106	047	IO	DMAD32B1	B11/F3	
DMADB321	04-115		04-115	049	IO		B21/C1	*
DMADB331	IOMI-B		04-106	048	IO	DMAD33B1	B11/F3	
DMADB331	04-114		04-114	049	IO		B20/D7	*
DMADB341	IOMI-B		04-106	448	IO	DMAD34B1	B11/F3	
DMADB341	04-115		04-115	050	IO		B21/D1	*
DMADB351	IOMI-B		04-106	249	IO	DMAD35B1	B11/F3	
DMADB351	04-114		04-114	050	IO		B20/D7	*
DMADB361	IOMI-B		04-106	050	IO			

31 LEAD INDEX (CONTINUED)								32 LEAD INDEX (CONTINUED)								33 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMOD	XT	LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMOD	XT	LDESIG	FDESIG	ELI	EQL	TRMNO	FN	TRMOD	XT
DMADC121	04-119		04-119	049	IO		*	DMADD071	04-130		04-130	051	IO		*	DMAOCA20	04-099		04-099	018	O		*
DMADC121	IOMI-C		04-120	446	IO	DMAD12B1	B21/C7	DMADD071	IOMI-D		04-134	150	IO	DMAD07B1	B22/C7	DMAOCA20	MSC3		04-155	518	O	DMAOC200	B19/D0
DMADC131	04-118		04-118	049	IO		*	DMADD081	04-131		04-131	052	IO		B23/C1	DMAOCA30	IOMI-A		04-090	121	O	DMAOC300	B10/F3
DMADC131	IOMI-C		04-120	447	IO	DMAD13B1	B21/D6	DMADD081	IOMI-D		04-134	551	IO	DMAD08B1	B13/G3	DMAOCA30	04-101		04-101	018	O		B19/D4
DMADC141	04-119		04-119	050	IO		*	DMADD101	04-133		04-133	048	IO		B23/B4	DMAOCA30	MSC3		04-155	118	O	DMAOC300	B16/G3
DMADC141	IOMI-C		04-120	248	IO	DMAD14B1	B21/D7	DMADD101	IOMI-D		04-134	245	IO	DMAD10B1	B13/G3	DMAOCB00	04-103		04-103	018	O		B19/D7
DMADC151	04-118		04-118	050	IO		*	DMADD111	04-132		04-132	048	IO		B23/C3	DMAOCB00	IOMI-B		04-106	420	O	DMAOC000	B11/F3
DMADC151	IOMI-C		04-120	049	IO	DMAD15B1	B21/D6	DMADD111	IOMI-D		04-134	046	IO	DMAD11B1	B13/G3	DMAOCB10	04-105		04-105	018	O		B20/D2
DMADC161	04-119		04-119	051	IO		*	DMADD121	04-133		04-133	049	IO		B23/C4	DMAOCB10	IOMI-B		04-106	520	O	DMAOC100	B11/F3
DMADC161	IOMI-C		04-120	449	IO	DMAD16B1	B21/D7	DMADD121	IOMI-D		04-134	446	IO	DMAD12B1	B13/G3	DMAOCB20	IOMI-B		04-106	021	O	DMAOC200	B11/F3
DMADC171	04-118		04-118	051	IO		*	DMADD131	04-132		04-132	049	IO		B23/C3	DMAOCB20	04-113		04-113	018	O		B20/D6
DMADC171	IOMI-C		04-120	250	IO	DMAD17B1	B21/D6	DMADD131	IOMI-D		04-134	447	IO	DMAD13B1	B13/G3	DMAOCB30	IOMI-B		04-106	121	O	DMAOC300	B11/F3
DMADC181	04-119		04-119	052	IO		*	DMADD141	04-133		04-133	050	IO		B23/C4	DMAOCB30	04-115		04-115	018	O		B21/D1
DMADC181	IOMI-C		04-120	451	IO	DMAD18B1	B21/D7	DMADD141	IOMI-D		04-134	248	IO	DMAD14B1	B13/G3	DMAOCC00	04-117		04-117	018	O		B21/D4
DMADC201	IOMI-C		04-120	345	IO	DMAD20B1	B21/F3	DMADD151	04-132		04-132	050	IO		B23/C3	DMAOCC00	IOMI-C		04-120	420	O	DMAOC000	B12/F3
DMADC201	04-127		04-127	048	IO		*	DMADD151	IOMI-D		04-134	049	IO	DMAD15B1	B13/G3	DMAOCC10	04-119		04-119	018	O		B21/D7
DMADC211	IOMI-C		04-120	146	IO	DMAD21B1	B21/F3	DMADD161	04-133		04-133	051	IO		B23/C4	DMAOCC10	IOMI-C		04-120	520	O	DMAOC100	B12/F3
DMADC211	04-126		04-126	048	IO		*	DMADD161	IOMI-D		04-134	449	IO	DMAD16B1	B13/G3	DMAOCC20	IOMI-C		04-120	021	O	DMAOC200	B12/F3
DMADC221	IOMI-C		04-120	546	IO	DMAD22B1	B21/F3	DMADD171	04-132		04-132	051	IO		B23/C3	DMAOCC20	04-127		04-127	018	O		B22/D2
DMADC221	04-127		04-127	049	IO		*	DMADD171	IOMI-D		04-134	250	IO	DMAD17B1	B13/G3	DMAOCC30	IOMI-C		04-120	121	O	DMAOC300	B12/F3
DMADC231	IOMI-C		04-120	547	IO	DMAD23B1	B21/F3	DMADD181	04-133		04-133	052	IO		B23/C4	DMAOCC30	04-129		04-129	018	O		B22/D5
DMADC231	04-126		04-126	049	IO		*	DMADD181	IOMI-D		04-134	451	IO	DMAD18B1	B13/G3	DMAOCCD00	04-131		04-131	018	O		B23/D1
DMADC241	IOMI-C		04-120	348	IO	DMAD24B1	B21/F3	DMADD201	IOMI-D		04-134	345	IO		B13/G3	DMAOCCD00	IOMI-D		04-134	420	O	DMAOC000	B13/G3
DMADC241	04-127		04-127	050	IO		*	DMADD201	04-143		04-143	048	IO	DMAD20B1	B23/B7	DMAOCCD10	04-133		04-133	018	O		B23/D4
DMADC251	IOMI-C		04-120	149	IO	DMAD25B1	B21/F3	DMADD211	IOMI-D		04-134	146	IO		B13/G3	DMAOCCD10	IOMI-D		04-134	520	O	DMAOC100	B13/G3
DMADC251	04-126		04-126	050	IO		*	DMADD211	04-142		04-142	048	IO	DMAD21B1	B23/C6	DMAOCCD20	IOMI-D		04-134	021	O	DMAOC200	B13/G3
DMADC261	IOMI-C		04-120	549	IO	DMAD26B1	B21/F3	DMADD221	IOMI-D		04-134	546	IO		B13/G3	DMAOCCD20	04-143		04-143	018	O		B23/D7
DMADC261	04-127		04-127	051	IO		*	DMADD221	04-143		04-143	049	IO	DMAD22B1	B23/C7	DMAOCCD30	IOMI-D		04-134	121	O	DMAOC300	B13/G3
DMADC271	IOMI-C		04-120	450	IO	DMAD27B1	B21/F3	DMADD231	IOMI-D		04-134	547	IO		B13/G3	DMAOCCD30	04-145		04-145	018	O		B24/D4
DMADC271	04-126		04-126	051	IO		*	DMADD231	04-142		04-142	049	IO	DMAD23B1	B23/C6	DMAOPC0	MSPP-032		04-032	104	I	DMAOPC0	B2/F2
DMADC281	IOMI-C		04-120	151	IO	DMAD28B1	B21/F3	DMADD241	IOMI-D		04-134	348	IO		B13/G3	DMAOPC0	04-037		04-037	018	I		B7/F4
DMADC281	04-127		04-127	052	IO		*	DMADD241	04-143		04-143	050	IO	DMAD24B1	B23/C7	DMAOPC0	MSPP-048		04-048	104	I	DMAOPC0	B4/F1
DMADC301	IOMI-C		04-120	445	IO	DMAD30B1	B21/F3	DMADD251	IOMI-D		04-134	149	IO		B13/G3	DMARD0	MSPP-032		04-032	204	I	DMARD0	B2/F2
DMADC301	04-129		04-129	048	IO		*	DMADD251	04-142		04-142	050	IO	DMAD25B1	B23/C6	DMARD0	04-037		04-037	017	I		B7/F4
DMADC311	IOMI-C		04-120	246	IO	DMAD31B1	B21/F3	DMADD261	IOMI-D		04-134	549	IO		B13/G3	DMARD0	MSPP-048		04-048	204	I	DMARD0	B4/F1
DMADC311	04-128		04-128	048	IO		*	DMADD261	04-143		04-143	051	IO	DMAD26B1	B23/C7	DMARDA00	04-087		04-087	017	O		B18/D3
DMADC321	IOMI-C		04-120	047	IO	DMAD32B1	B21/F3	DMADD271	IOMI-D		04-134	450	IO		B13/G3	DMARDA00	IOMI-A		04-090	020	O	DMARD000	B10/F3
DMADC321	04-129		04-129	049	IO		*	DMADD271	04-142		04-142	051	IO	DMAD27B1	B23/C6	DMARDA00	MSC3		04-155	717	O	DMARD000	B16/G3
DMADC331	IOMI-C		04-120	048	IO	DMAD33B1	B21/F3	DMADD281	IOMI-D		04-134	151	IO		B13/G3	DMARDA10	04-089		04-089	017	O		B18/D6
DMADC331	04-128		04-128	049	IO		*	DMADD281	04-143		04-143	052	IO	DMAD28B1	B23/C7	DMARDA10	IOMI-A		04-090	120	O	DMARD100	B10/F3
DMADC341	IOMI-C		04-120	448	IO	DMAD34B1	B21/F3	DMADD301	IOMI-D		04-134	445	IO		B13/G3	DMARDA10	MSC3		04-155	317	O	DMARD100	B16/G3
DMADC341	04-129		04-129	050	IO		*	DMADD301	04-145		04-145	048	IO	DMAD30B1	B24/C4	DMARDA20	IOMI-A		04-090	220	O	DMARD200	B10/F3
DMADC351	IOMI-C		04-120	249	IO	DMAD35B1	B21/F3	DMADD311	IOMI-D		04-134	246	IO		B13/G3	DMARDA20	04-099		04-099	017	O		B19/D0
DMADC351	04-128		04-128	050	IO		*	DMADD311	04-144		04-144	048	IO	DMAD31B1	B24/C3	DMARDA20	MSC3		04-155	517	O	DMARD200	B16/G3
DMADC361	IOMI-C		04-120	050	IO	DMAD36B1	B21/F3	DMADD321	IOMI-D		04-134	047	IO		B13/G3	DMARDA30	IOMI-A		04-090	320	O	DMARD300	B10/F3
DMADC361	04-129		04-129	051	IO		*	DMADD321	04-145		04-145	049	IO	DMAD32B1	B24/C4	DMARDA30	04-101		04-101	017	O		B19/D4
DMADC371	IOMI-C		04-120	550	IO	DMAD37B1	B21/F3	DMADD331	IOMI-D		04-134	048	IO		B13/G3	DMARDA30	MSC3		04-155	117	O	DMARD300	B16/G3
DMADC371	04-128		04-128	051	IO		*	DMADD331	04-144		04-144	049	IO	DMAD33B1	B24/C3	DMARDB00	04-103		04-103	017	O		B19/D7
DMADC381	IOMI-C		04-120	051	IO	DMAD38B1	B21/F3	DMADD341	IOMI-D		04-134	448	IO		B13/G3	DMARDB00	IOMI-B		04-106	020	O	DMARD000	B11/F3
DMADC381	04-129		04-129	052	IO		*	DMADD341	04-145		04-145	050	IO	DMAD34B1	B24/C4	DMARDB10	04-105		04-105	017	O		B20/D2
DMADD001	04-131		04-131	048	IO		*	DMADD351	IOMI-D		04-134	249	IO		B13/G3	DMARDB10	IOMI-B		04-106	120	O	DMARD100	B11/F3
DMADD001	IOMI-D		04-134	145	IO	DMAD00B1	B23/B1	DMADD351	04-144		04-144	050	IO	DMAD35B1	B24/C3	DMARDB20	IOMI-B		04-106	220	O	DMARD200	B11/F3
DMADD011	04-130		04-130	048	IO		*	DMADD361	IOMI-D		04-134	050	IO		B13/G3	DMARDB20	04-113		04-113	017	O		B20/D6
DMADD011	IOMI-D		04-134	545	IO	DMAD01B1	B22/C7	DMADD361	04-145		04-145	051	IO	DMAD36B1	B24/C4								
DMADD021	04-131		04-131	049	IO		*	DMADD371	IOMI-D		04-134	550	IO		B13/G3								
DMADD021	IOMI-D		04-134	346	IO	DMAD02B1	B23/C1	DMADD371	04-144		04-144	051	IO	DMAD37B1	B24/D3								
DMADD031	04-130		04-130	049	IO		*	DMADD381	IOMI-D		04-134	051	IO		B13/G3								
DMADD031	IOMI-D		04-134	147	IO	DMAD03B1	B22/C7	DMADD381	04-145		04-145	052	IO	DMAD38B1	B24/C4								
DMADD041	04-131		04-131	050	IO		*	DMAOCA00	04-087		04-087	018	O		B18/D3								
DMADD041	IOMI-D		04-134	148	IO	DMAD04B1	B23/C1	DMAOCA00	IOMI-A		04-090	420	O	DMAOCC000	B10/F3								
DMADD051	04-130		04-130	050	IO		*	DMAOCA00	MSC3		04-155	718	O	DMAOCC000	B16/G3								
DMADD051	IOMI-D		04-134	548	IO	DMAD05B1	B22/C7	DMAOCA10	04-089		04-089	018	O		B18/D6								
DMADD061	04-131		04-131	051	IO		*	DMAOCA10	IOMI-A		04-090	520	O	DMAOC100	B10/F3								
DMADD061	IOMI-D		04-134	349																			

34 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMOD	SYMLOC	XT
DMARDB30	IOMI-B	04-106	320	0	DMARD300	B11/F3	*
DMARDB30	MSC3	04-115	017	0		B21/D1	
DMARDC00	IOMI-C	04-117	017	0	DMARD000	B21/D4	*
DMARDC00	IOMI-C	04-120	020	0		B12/F3	
DMARDC10	IOMI-C	04-119	017	0	DMARD100	B21/D7	*
DMARDC10	IOMI-C	04-120	120	0		B12/F3	
DMARDC20	IOMI-C	04-120	220	0	DMARD200	B12/F3	*
DMARDC20	IOMI-C	04-127	017	0		B22/D2	
DMARDC30	IOMI-C	04-120	320	0	DMARD300	B12/F3	*
DMARDC30	MSC3	04-129	017	0		B22/D5	
DMARDD00	IOMI-D	04-131	017	0	DMARD000	B23/D1	*
DMARDD00	IOMI-D	04-134	020	0		B13/G3	
DMARDD10	IOMI-D	04-133	017	0	DMARD100	B23/D4	*
DMARDD10	IOMI-D	04-134	120	0		B13/G3	
DMARDD20	IOMI-D	04-134	220	0	DMARD200	B13/G3	*
DMARDD20	IOMI-D	04-143	017	0		B23/D7	
DMARDD30	IOMI-D	04-134	320	0	DMARD300	B13/G3	*
DMARDD30	MSC3	04-145	017	0		B24/D4	
DMAREQ0	MSPP-032	04-032	004	I	DMAREQ0	B2/F2	*
DMAREQ0	04-037	04-037	019	I		B7/F4	
DMAREQ0	MSC3	04-048	004	I	DMAREQ0	B4/F1	*
DMARQA00	IOMI-A	04-087	019	0	DMARQ000	B18/D3	*
DMARQA00	IOMI-A	04-090	321	0		B10/F3	
DMARQA00	MSC3	04-155	719	0	DMARQ000	B16/G3	*
DMARQA10	IOMI-A	04-089	019	0	DMARQ100	B18/D6	*
DMARQA10	IOMI-A	04-090	421	0		B10/F3	
DMARQA10	MSC3	04-155	319	0	DMARQ100	B16/G3	*
DMARQA20	IOMI-A	04-090	521	0	DMARQ200	B10/F3	*
DMARQA20	IOMI-A	04-099	019	0		B19/D0	
DMARQA20	MSC3	04-155	519	0	DMARQ200	B16/G3	*
DMARQA30	IOMI-A	04-090	022	0	DMARQ300	B10/F3	*
DMARQA30	IOMI-A	04-101	019	0		B19/D4	
DMARQA30	MSC3	04-155	119	0	DMARQ300	B16/G3	*
DMARQB00	IOMI-B	04-103	019	0	DMARQ000	B19/D7	*
DMARQB00	IOMI-B	04-106	321	0		B11/F3	
DMARQB10	IOMI-B	04-105	019	0	DMARQ100	B20/D2	*
DMARQB10	IOMI-B	04-106	421	0		B11/F3	
DMARQB20	IOMI-B	04-106	521	0	DMARQ200	B11/F3	*
DMARQB20	IOMI-B	04-113	019	0		B20/D6	
DMARQB30	IOMI-B	04-106	022	0	DMARQ300	B11/F3	*
DMARQB30	IOMI-B	04-115	019	0		B21/D1	
DMARQC00	IOMI-C	04-117	019	0	DMARQ000	B21/D4	*
DMARQC00	IOMI-C	04-120	321	0		B12/F3	
DMARQC10	IOMI-C	04-119	019	0	DMARQ100	B21/D7	*
DMARQC10	IOMI-C	04-120	421	0		B12/F3	
DMARQC20	IOMI-C	04-120	521	0	DMARQ200	B12/F3	*
DMARQC20	IOMI-C	04-127	019	0		B22/D2	
DMARQC30	IOMI-C	04-120	022	0	DMARQ300	B12/F3	*
DMARQC30	IOMI-C	04-129	019	0		B22/D5	
DMARQD00	IOMI-D	04-131	019	0	DMARQ000	B23/D1	*
DMARQD00	IOMI-D	04-134	321	0		B13/G3	
DMARQD10	IOMI-D	04-133	019	0	DMARQ100	B23/D4	*
DMARQD10	IOMI-D	04-134	421	0		B13/G3	
DMARQD20	IOMI-D	04-134	521	0	DMARQ200	B13/G3	*
DMARQD20	IOMI-D	04-143	019	0		B23/D7	
DMARQD30	IOMI-D	04-134	022	0	DMARQ300	B13/G3	*
DMARQD30	IOMI-D	04-145	019	0		B24/D4	
DMAWRA00	IOMI-A	04-087	016	0	DMAWR000	B18/D3	*
DMAWRA00	IOMI-A	04-090	019	0		B10/F3	
DMAWRA00	MSC3	04-155	716	0	DMAWR000	B16/G3	*
DMAWRA10	IOMI-A	04-089	016	0	DMAWR100	B18/D6	*
DMAWRA10	IOMI-A	04-090	219	0		B10/F3	
DMAWRA10	MSC3	04-155	316	0	DMAWR100	B16/G3	*
DMAWRA20	IOMI-A	04-090	319	0	DMAWR200	B10/F3	*
DMAWRA20	IOMI-A	04-099	016	0		B19/D0	
DMAWRA20	MSC3	04-155	516	0	DMAWR200	B16/G3	*
DMAWRA30	IOMI-A	04-090	519	0	DMAWR300	B10/F3	*

35 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMOD	SYMLOC	XT
DMAWRA30	IOMI-A	04-101	016	0	DMAWR300	B19/D4	*
DMAWRA30	MSC3	04-155	116	0		B16/G3	
DMAWRB00	IOMI-B	04-103	016	0	DMAWR000	B19/D7	*
DMAWRB00	IOMI-B	04-106	019	0		B11/F3	
DMAWRB10	IOMI-B	04-105	016	0	DMAWR100	B20/D2	*
DMAWRB10	IOMI-B	04-106	219	0		B11/F3	
DMAWRB20	IOMI-B	04-106	319	0	DMAWR200	B11/F3	*
DMAWRB20	IOMI-B	04-113	016	0		B20/D6	
DMAWRB30	IOMI-B	04-106	519	0	DMAWR300	B11/F3	*
DMAWRB30	MSC3	04-115	016	0		B21/D1	
DMAWRC00	IOMI-C	04-117	016	0	DMAWR000	B21/D4	*
DMAWRC00	IOMI-C	04-120	019	0		B12/F3	
DMAWRC10	IOMI-C	04-119	016	0	DMAWR100	B21/D7	*
DMAWRC10	IOMI-C	04-120	219	0		B12/F3	
DMAWRC20	IOMI-C	04-120	319	0	DMAWR200	B12/F3	*
DMAWRC20	IOMI-C	04-127	016	0		B22/D2	
DMAWRC30	IOMI-C	04-120	519	0	DMAWR300	B12/F3	*
DMAWRC30	MSC3	04-129	016	0		B22/D5	
DMAWRD00	IOMI-D	04-131	016	0	DMAWR000	B23/D1	*
DMAWRD00	IOMI-D	04-134	019	0		B13/G3	
DMAWRD10	IOMI-D	04-133	016	0	DMAWR100	B23/D4	*
DMAWRD10	IOMI-D	04-134	219	0		B13/G3	
DMAWRD20	IOMI-D	04-134	319	0	DMAWR200	B13/G3	*
DMAWRD20	IOMI-D	04-143	016	0		B23/D7	
DMAWRD30	IOMI-D	04-134	519	0	DMAWR300	B13/G3	*
DMAWRD30	MSC3	04-145	016	0		B24/D4	
DMAWT0	MSPP-032	04-032	304	I	DMAWT0	B2/F2	*
DMAWT0	04-037	04-037	016	I		B7/F4	
DMAWT0	MSC3	04-048	304	I	DMAWT0	B4/F1	*
DST01	IOMI-A	04-090	508	I	DST011	B10/F3	*
DST01	IOMI-B	04-106	508	I		B11/F3	
DST01	IOMI-C	04-120	508	I	DST011	B12/F3	*
DST01	IOMI-D	04-134	508	I		B13/G3	
DST01	MSC3	04-155	544	0	BDST011	B16/G3	*
DST11	IOMI-A	04-090	009	I	DST111	B10/F3	*
DST11	IOMI-B	04-106	009	I		B11/F3	
DST11	IOMI-C	04-120	009	I	DST111	B12/F3	*
DST11	IOMI-D	04-134	009	I		B13/G3	
DST11	MSC3	04-155	445	0	BDST111	B16/G3	*
DST21	IOMI-A	04-090	309	I	DST211	B10/F3	*
DST21	IOMI-B	04-106	309	I		B11/F3	
DST21	IOMI-C	04-120	309	I	DST211	B12/F3	*
DST21	IOMI-D	04-134	309	I		B13/G3	
DST21	MSC3	04-155	545	0	BDST211	B16/G3	*
DST31	IOMI-A	04-090	509	I	DST311	B10/F3	*
DST31	IOMI-B	04-106	509	I		B11/F3	
DST31	IOMI-C	04-120	509	I	DST311	B12/F3	*
DST31	IOMI-D	04-134	509	I		B13/G3	
DST31	MSC3	04-155	446	0	BDST311	B16/G3	*
DST41	IOMI-A	04-090	010	I	DST411	B10/F3	*
DST41	IOMI-B	04-106	010	I		B11/F3	
DST41	IOMI-C	04-120	010	I	DST411	B12/F3	*
DST41	IOMI-D	04-134	010	I		B13/G3	
DST41	MSC3	04-155	547	0	BDST411	B16/G3	*
ERA000	IOMI-A	04-086	007	I	ER000	B18/D1	*
ERA000	IOMI-A	04-090	504	I		B10/F3	
ERA000	MSC3	04-155	601	I	ER000	B16/G3	*
ERA010	IOMI-A	04-086	008	I	ER010	B18/D1	*
ERA010	IOMI-A	04-090	005	I		B10/F3	
ERA010	MSC3	04-155	602	I	ER010	B16/G3	*
ERA020	IOMI-A	04-086	009	I	ER020	B18/D1	*
ERA020	IOMI-A	04-090	105	I		B10/F3	
ERA020	MSC3	04-155	603	I	ER020	B16/G3	*
ERA030	IOMI-A	04-086	010	I	ER030	B18/D1	*
ERA030	IOMI-A	04-090	305	I		B10/F3	
ERA030	MSC3	04-155	604	I	ER030	B16/G3	*
ERA100	IOMI-A	04-088	007	I	ER100	B18/D4	*
ERA100	IOMI-A	04-090	405	I		B10/F3	
ERA100	MSC3	04-155	201	I	ER100	B16/G3	*
ERA110	IOMI-A	04-088	008	I	ER110	B18/D4	*
ERA110	IOMI-A	04-090	505	I		B10/F3	

36 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMOD	SYMLOC	XT
ERA110	MSC3	04-155	202	I	ER110	B16/G3	*
ERA120	IOMI-A	04-088	009	I	ER120	B18/D4	*
ERA120	IOMI-A	04-090	006	I		B10/F3	
ERA120	MSC3	04-155	203	I	ER120	B16/G3	*
ERA130	IOMI-A	04-088	010	I	ER130	B18/D4	*
ERA130	IOMI-A	04-090	106	I		B10/F3	
ERA130	MSC3	04-155	204	I	ER130	B16/G3	*
ERA200	IOMI-A	04-090	206	I	ER200	B10/F3	*
ERA200	IOMI-A	04-098	007	I		B18/D7	
ERA200	MSC3	04-155	401	I	ER200	B16/G3	*
ERA210	IOMI-A	04-090	306	I	ER210	B10/F3	*
ERA210	IOMI-A	04-098	008	I		B18/D7	
ERA210	MSC3	04-155	402	I	ER210	B16/G3	*
ERA220	IOMI-A	04-090	406	I	ER220	B10/F3	*
ERA220	IOMI-A	04-098	009	I		B18/D7	
ERA220	MSC3	04-155	403	I	ER220	B16/G3	*
ERA230	IOMI-A	04-090					

37 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
ERB230	04-112	04-112	010	I	B20/E4	*	
ERB300	IOMI-B	04-106	007	I	ER30I0	B11/F3	
ERB300	04-114	04-114	007	I	B20/D7	*	
ERB310	IOMI-B	04-106	107	I	ER31I0	B11/F3	
ERB310	04-114	04-114	008	I	B20/D7	*	
ERB320	IOMI-B	04-106	207	I	ER32I0	B11/F3	
ERB320	04-114	04-114	009	I	B20/D7	*	
ERB330	IOMI-B	04-106	407	I	ER33I0	B11/F3	
ERB330	04-114	04-114	010	I	B20/E7	*	
ERC000	04-116	04-116	007	I	B21/D3	*	
ERC000	IOMI-C	04-120	504	I	ER00I0	B12/F3	
ERC010	04-116	04-116	008	I	B21/D3	*	
ERC010	IOMI-C	04-120	005	I	ER01I0	B12/F3	
ERC020	04-116	04-116	009	I	B21/D3	*	
ERC020	IOMI-C	04-120	105	I	ER02I0	B12/F3	
ERC030	04-116	04-116	010	I	B21/D3	*	
ERC030	IOMI-C	04-120	305	I	ER03I0	B12/F3	
ERC100	04-118	04-118	007	I	B21/D6	*	
ERC100	IOMI-C	04-120	405	I	ER10I0	B12/F3	
ERC110	04-118	04-118	008	I	B21/D6	*	
ERC110	IOMI-C	04-120	505	I	ER11I0	B12/F3	
ERC120	04-118	04-118	009	I	B21/D6	*	
ERC120	IOMI-C	04-120	006	I	ER12I0	B12/F3	
ERC130	04-118	04-118	010	I	B21/D6	*	
ERC130	IOMI-C	04-120	106	I	ER13I0	B12/F3	
ERC200	IOMI-C	04-120	206	I	ER20I0	B12/F3	
ERC200	04-126	04-126	007	I	B22/D1	*	
ERC210	IOMI-C	04-120	306	I	ER21I0	B12/F3	
ERC210	04-126	04-126	008	I	B22/D1	*	
ERC220	IOMI-C	04-120	406	I	ER22I0	B12/F3	
ERC220	04-126	04-126	009	I	B22/D1	*	
ERC230	IOMI-C	04-120	506	I	ER23I0	B12/F3	
ERC230	04-126	04-126	010	I	B22/D1	*	
ERC300	IOMI-C	04-120	007	I	ER30I0	B12/F3	
ERC300	04-128	04-128	007	I	B22/D4	*	
ERC310	IOMI-C	04-120	107	I	ER31I0	B12/F3	
ERC310	04-128	04-128	008	I	B22/D4	*	
ERC320	IOMI-C	04-120	207	I	ER32I0	B12/F3	
ERC320	04-128	04-128	009	I	B22/D4	*	
ERC330	IOMI-C	04-120	407	I	ER33I0	B12/F3	
ERC330	04-128	04-128	010	I	B22/D4	*	
ERD000	04-130	04-130	007	I	B22/D7	*	
ERD000	IOMI-D	04-134	504	I	ER00I0	B13/G3	
ERD010	04-130	04-130	008	I	B22/D7	*	
ERD010	IOMI-D	04-134	005	I	ER01I0	B13/G3	
ERD020	04-130	04-130	009	I	B22/D7	*	
ERD020	IOMI-D	04-134	105	I	ER02I0	B13/G3	
ERD030	04-130	04-130	010	I	B22/D7	*	
ERD030	IOMI-D	04-134	305	I	ER03I0	B13/G3	
ERD100	04-132	04-132	007	I	B23/D3	*	
ERD100	IOMI-D	04-134	405	I	ER10I0	B13/G3	
ERD110	04-132	04-132	008	I	B23/D3	*	
ERD110	IOMI-D	04-134	505	I	ER11I0	B13/G3	
ERD120	04-132	04-132	009	I	B23/D3	*	
ERD120	IOMI-D	04-134	006	I	ER12I0	B13/G3	
ERD130	04-132	04-132	010	I	B23/D3	*	
ERD130	IOMI-D	04-134	106	I	ER13I0	B13/G3	
ERD200	IOMI-D	04-134	206	I	B13/G3		
ERD200	04-142	04-142	007	I	B23/D6	*	
ERD210	IOMI-D	04-134	306	I	B13/G3		
ERD210	04-142	04-142	008	I	B23/D6	*	
ERD220	IOMI-D	04-134	406	I	B13/G3		
ERD220	04-142	04-142	009	I	B23/D6	*	
ERD230	IOMI-D	04-134	506	I	B13/G3		

38 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
ERD230	04-142	04-142	010	I	B23/D6	*	
ERD300	IOMI-D	04-134	007	I	ER30I0	B13/G3	
ERD300	04-144	04-144	007	I	B24/D3	*	
ERD310	IOMI-D	04-134	107	I	ER31I0	B13/G3	
ERD310	04-144	04-144	008	I	B24/E3	*	
ERD320	IOMI-D	04-134	207	I	ER32I0	B13/G3	
ERD320	04-144	04-144	009	I	B24/E3	*	
ERD330	IOMI-D	04-134	407	I	ER33I0	B13/G3	
ERD330	04-144	04-144	010	I	B24/E3	*	
GRD	01-017	01-017	0B0	G	B6/D1	*	
GRD	E3	01-017-0B0	1	G	GRD1	B6/D2	
GRD	E3	01-017-0B0	2	G	GRD2	B6/D2	
GRD	E3	01-017-0B0	3	G	GRD3	B6/D2	
GRD	E3	01-017-0B0	4	G	GRD4	B6/D2	
GRD	01-037	01-037	0B0	G	B6/E1	*	
GRD	E5	01-037-0B0	1	G	GRD1	B6/E2	
GRD	E5	01-037-0B0	2	G	GRD2	B6/E2	
GRD	E5	01-037-0B0	3	G	GRD3	B6/E2	
GRD	E5	01-037-0B0	4	G	GRD4	B6/E2	
GRD	01-056	01-056	5B0	G	B6/F1	*	
GRD	E7	01-056-5B0	1	G	GRD1	B6/F2	
GRD	E7	01-056-5B0	2	G	GRD2	B6/F2	
GRD	E7	01-056-5B0	3	G	GRD3	B6/F2	
GRD	E7	01-056-5B0	4	G	GRD4	B6/F2	
GRD	01-082	01-082	3B0	G	B17/B5	*	
GRD	E11	01-082-3B0	1	G	GRD1	B17/B6	
GRD	E11	01-082-3B0	2	G	GRD2	B17/B6	
GRD	E11	01-082-3B0	3	G	GRD3	B17/B6	
GRD	E11	01-082-3B0	4	G	GRD4	B17/B6	
GRD	01-106	01-106	1B0	G	B17/C5	*	
GRD	E14	01-106-157	1	G	GRD1	B17/D6	
GRD	E14	01-106-157	2	G	GRD2	B17/D6	
GRD	E14	01-106-157	3	G	GRD3	B17/D6	
GRD	E14	01-106-157	4	G	GRD4	B17/D6	
GRD	E13	01-106-1B0	1	G	GRD1	B17/C6	
GRD	E13	01-106-1B0	2	G	GRD2	B17/C6	
GRD	E13	01-106-1B0	3	G	GRD3	B17/C6	
GRD	E13	01-106-1B0	4	G	GRD4	B17/C6	
GRD	01-130	01-130	0B0	G	B17/D5	*	
GRD	E15	01-130-0B0	1	G	GRD1	B17/D6	
GRD	E15	01-130-0B0	2	G	GRD2	B17/D6	
GRD	E15	01-130-0B0	3	G	GRD3	B17/D6	
GRD	E15	01-130-0B0	4	G	GRD4	B17/D6	
GRD	01-152	01-152	0B0	G	B17/E5	*	
GRD	E17	01-152-0B0	1	G	GRD1	B17/E6	
GRD	E17	01-152-0B0	2	G	GRD2	B17/E6	
GRD	E17	01-152-0B0	3	G	GRD3	B17/E6	
GRD	E17	01-152-0B0	4	G	GRD4	B17/E6	
GRD	01-170	01-170	3B0	G	B17/F5	*	
GRD	E19	01-170-3B0	1	G	GRD1	B17/F6	
GRD	E19	01-170-3B0	2	G	GRD2	B17/F6	
GRD	E19	01-170-3B0	3	G	GRD3	B17/F6	
GRD	E19	01-170-3B0	4	G	GRD4	B17/F6	
GRD	PWRCONV	04-024	000	I	BYPASS1	B1/F5	
GRD	PWRCONV	04-024	001	I	BYPASS2	B1/F5	
GRD	PWRCONV	04-024	032	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	033	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	034	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	035	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	036	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	037	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	038	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	039	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	040	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	041	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	042	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	043	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	100	I	BYPASS3	B1/F5	
GRD	PWRCONV	04-024	101	I	BYPASS4	B1/F5	
GRD	PWRCONV	04-024	119	I	S(-)	B1/F5	
GRD	PWRCONV	04-024	132	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	133	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	134	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	135	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	136	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	137	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	138	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	139	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	140	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	141	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	142	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	143	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	200	I	BYPASS5	B1/F5	
GRD	PWRCONV	04-024	201	I	BYPASS6	B1/F5	
GRD	PWRCONV	04-024	232	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	233	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	234	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	235	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	236	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	237	G	VOUT.1(-)	B1/F5	

39 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
GRD	PWRCONV	04-024	238	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	239	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	240	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	241	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	242	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	243	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	300	I	BYPASS7	B1/F5	
GRD	PWRCONV	04-024	301	I	BYPASS8	B1/F5	
GRD	PWRCONV	04-024	332	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	333	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	334	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	335	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	336	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	337	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	338	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	339	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	340	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	341	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	342	G	VOUT.1(-)	B1/F5	
GRD	PWRCONV	04-024	343	G	VOUT.1(-)	B1/F5	
GRD	MSPP-032	04-032	023	G	GRD	B2/F2	
GRD	MSPP-032	04-032	024	G	GRD	B2/F2	
GRD	MSPP-032	04-032	032	G	GRD	B2/F2	
GRD	MSPP-032	04-032	044	G	GRD	B2/F2	
GRD	MSPP-032	04-032	045	G	GRD	B2/F2	
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40 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMOD	SYMLOC	XT	
GRD	04-037	04-037	023	G	B7/G4	*	
GRD	04-037	04-037	024	G	B7/G4	*	
GRD	04-038	04-038	000	G	B7/C5	*	
GRD	04-038	04-038	001	G	B7/C5	*	
GRD	04-038	04-038	002	G	B7/D5	*	
GRD	04-038	04-038	011	G	B7/D5	*	
GRD	04-038	04-038	013	G	B7/D5	*	
GRD	04-038	04-038	014	G	B7/D5	*	
GRD	04-038	04-038	015	G	B7/D5	*	
GRD	04-038	04-038	020	G	B7/D5	*	
GRD	04-038	04-038	021	G	B7/D5	*	
GRD	04-038	04-038	023	G	B7/D5	*	
GRD	04-038	04-038	024	G	B7/D5	*	
GRD	04-039	04-039	000	G	B7/G5	*	
GRD	04-039	04-039	001	G	B7/G5	*	
GRD	04-039	04-039	002	G	B7/G5	*	
GRD	04-039	04-039	011	G	B7/G5	*	
GRD	04-039	04-039	013	G	B7/G5	*	
GRD	04-039	04-039	014	G	B7/G5	*	
GRD	04-039	04-039	015	G	B7/G5	*	
GRD	04-039	04-039	021	G	B7/G5	*	
GRD	04-039	04-039	023	G	B7/G5	*	
GRD	04-039	04-039	024	G	B7/H5	*	
GRD	PPC	04-040	007	G	NC007		
GRD	PPC	04-040	023	G	B3/G3		
GRD	PPC	04-040	024	G	B3/G3		
GRD	PPC	04-040	032	G	B3/G3		
GRD	PPC	04-040	044	G	B3/G3		
GRD	PPC	04-040	045	G	B3/G3		
GRD	PPC	04-040	107	G	NC107		
GRD	PPC	04-040	123	G	B3/G3		
GRD	PPC	04-040	124	G	B3/G3		
GRD	PPC	04-040	132	G	B3/G3		
GRD	PPC	04-040	144	G	B3/G3		
GRD	PPC	04-040	145	G	B3/G3		
GRD	PPC	04-040	200	G	B3/G3		
GRD	PPC	04-040	201	G	B3/G3		
GRD	PPC	04-040	211	G	B3/G3		
GRD	PPC	04-040	212	G	B3/G3		
GRD	PPC	04-040	244	G	B3/G3		
GRD	PPC	04-040	245	G	B3/G3		
GRD	PPC	04-040	256	G	B3/G3		
GRD	PPC	04-040	300	G	B3/G3		
GRD	PPC	04-040	301	G	B3/G3		
GRD	PPC	04-040	311	G	B3/G3		
GRD	PPC	04-040	312	G	B3/G3		
GRD	PPC	04-040	344	G	B3/G3		
GRD	PPC	04-040	345	G	B3/G3		
GRD	PPC	04-040	356	G	B3/G3		
GRD	MSPP-048	04-048	023	G	B4/F1		
GRD	MSPP-048	04-048	024	G	B4/F1		
GRD	MSPP-048	04-048	032	G	B4/F1		
GRD	MSPP-048	04-048	044	G	B4/F1		
GRD	MSPP-048	04-048	045	G	B4/F1		
GRD	MSPP-048	04-048	123	G	B4/F1		
GRD	MSPP-048	04-048	124	G	B4/F1		
GRD	MSPP-048	04-048	132	G	B4/F1		
GRD	MSPP-048	04-048	144	G	B4/F1		
GRD	MSPP-048	04-048	145	G	B4/F1		
GRD	MSPP-048	04-048	200	G	B4/F1		
GRD	MSPP-048	04-048	201	G	B4/F1		
GRD	MSPP-048	04-048	211	G	B4/F1		
GRD	MSPP-048	04-048	212	G	B4/F1		
GRD	MSPP-048	04-048	213	G	NC213		
GRD	MSPP-048	04-048	217	G	NC217		
GRD	MSPP-048	04-048	224	G	NC224		
GRD	MSPP-048	04-048	244	G	B4/F1		
GRD	MSPP-048	04-048	245	G	B4/F1		
GRD	MSPP-048	04-048	256	G	B4/F1		
GRD	MSPP-048	04-048	300	G	B4/F1		
GRD	MSPP-048	04-048	301	G	B4/F1		
GRD	MSPP-048	04-048	311	G	B4/F1		
GRD	MSPP-048	04-048	312	G	B4/F1		
GRD	MSPP-048	04-048	324	I	XPGM64E		
GRD	MSPP-048	04-048	344	G	B4/F1		
GRD	MSPP-048	04-048	345	G	B4/F1		
GRD	MSPP-048	04-048	356	G	B4/F1		
GRD	FPC	04-056	007	G	B5/F3		
GRD	FPC	04-056	023	G	B5/F3		
GRD	FPC	04-056	024	G	B5/F3		
GRD	FPC	04-056	032	G	B5/F3		
GRD	FPC	04-056	044	G	B5/F3		
GRD	FPC	04-056	045	G	B5/F3		
GRD	FPC	04-056	107	G	B5/F3		
GRD	FPC	04-056	123	G	B5/F3		
GRD	FPC	04-056	124	G	B5/F3		
GRD	FPC	04-056	132	G	B5/F3		
GRD	FPC	04-056	144	G	B5/F3		
GRD	FPC	04-056	145	G	B5/F3		
GRD	FPC	04-056	200	G	B5/F3		
GRD	FPC	04-056	201	G	B5/F3		
GRD	FPC	04-056	211	G	B5/F3		
GRD	FPC	04-056	212	G	B5/F3		
GRD	FPC	04-056	244	G	B5/F3		
GRD	FPC	04-056	245	G	B5/F3		

41 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMOD	SYMLOC	XT	
GRD	FPC	04-056	256	G	B5/F3	*	
GRD	FPC	04-056	300	G	B5/F3	*	
GRD	FPC	04-056	301	G	B5/F3	*	
GRD	FPC	04-056	311	G	B5/F3	*	
GRD	FPC	04-056	312	G	B5/F3	*	
GRD	FPC	04-056	344	G	B5/F3	*	
GRD	FPC	04-056	345	G	B5/F3	*	
GRD	FPC	04-056	356	G	B5/F3	*	
GRD	FPC	04-056	400	G	B5/F3	*	
GRD	FPC	04-056	401	G	B5/F3	*	
GRD	FPC	04-056	410	G	B5/F3	*	
GRD	FPC	04-056	411	G	B5/F3	*	
GRD	FPC	04-056	412	G	B5/F3	*	
GRD	FPC	04-056	444	G	B5/F3	*	
GRD	FPC	04-056	500	G	B5/F3	*	
GRD	FPC	04-056	501	G	B5/F3	*	
GRD	FPC	04-056	510	G	B5/F3	*	
GRD	FPC	04-056	511	G	B5/F3	*	
GRD	FPC	04-056	512	G	B5/F3	*	
GRD	FPC	04-056	544	G	B5/F3	*	
GRD	PWRCONV2	04-082	000	I	BYPASS1	B9/G3	
GRD	PWRCONV2	04-082	001	I	BYPASS2	B9/G3	
GRD	PWRCONV2	04-082	032	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	033	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	034	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	035	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	036	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	037	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	038	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	039	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	040	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	041	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	042	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	043	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	100	I	BYPASS3	B9/G3	
GRD	PWRCONV2	04-082	101	I	BYPASS4	B9/G3	
GRD	PWRCONV2	04-082	119	I	S(-)	B9/G3	
GRD	PWRCONV2	04-082	132	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	133	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	134	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	135	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	136	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	137	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	138	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	139	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	140	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	141	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	142	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	143	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	200	I	BYPASS5	B9/G3	
GRD	PWRCONV2	04-082	201	I	BYPASS6	B9/G3	
GRD	PWRCONV2	04-082	232	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	233	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	234	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	235	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	236	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	237	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	238	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	239	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	240	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	241	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	242	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	243	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	300	I	BYPASS7	B9/G3	
GRD	PWRCONV2	04-082	301	I	BYPASS8	B9/G3	
GRD	PWRCONV2	04-082	332	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	333	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	334	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	335	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	336	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	337	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	338	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	339	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	340	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	341	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	342	G	VOUT.1(-)	B9/G3	
GRD	PWRCONV2	04-082	343	G	VOUT.1(-)	B9/G3	
GRD		04-086	000	G	B18/D1	*	
GRD		04-086	001	G	B18/D1	*	
GRD		04-086	002	G	B18/E1	*	
GRD		04-086	003	G	B18/E1	*	
GRD		04-086	004	G	B18/E1	*	
GRD		04-086	005	G	B18/E1	*	
GRD		04-086	011	G	B18/E1	*	
GRD		04-086	013	G	B18/E1	*	
GRD		04-086	014	G	B18/E1	*	
GRD		04-086	015	G	B18/E1	*	
GRD		04-086	024	G	B18/E1	*	
GRD		04-086	032	G	B18/E1	*	
GRD		04-086	033	G	B18/F1	*	
GRD		04-086	034	G	B18/F1	*	
GRD		04-086	043	G	B18/F1	*	
GRD		04-086	045	G	B18/F1	*	
GRD		04-086	046	G	B18/F1	*	
GRD		04-086	047	G	B18/F1	*	

42 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMOD	SYMLOC	XT	

52 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
GRD	MSC3	04-155	724	G GRD	B16/G3		
GRD	MSC3	04-155	732	G GRD	B16/G3		
GRD	MSC3	04-155	733	G GRD	B16/G3		
GRD	MSC3	04-155	743	G GRD	B16/G3		
GRD	MSC3	04-155	746	G GRD	B16/G3		
GRD	MSC3	04-155	753	G GRD	B16/G3		
GRD	MSC3	04-155	756	G GRD	B16/G3		
GRD	ID_CODE	04-169	010	IO 010	B14/C4		
GRD	ID_CODE	04-169	011	IO 011	B14/C4		
GRD	ID_CODE	04-169	012	IO 012	B14/C4		
GRD	ID_CODE	04-169	013	IO 013	B14/C4		
GRD	DDSBS	04-178	006	G GRD1	B15/F3	*	
GRD	DDSBS	04-178	101	G GRD	B15/F3		
GRD	DDSBS	04-178	103	G GRD	B15/F3		
GRD	DDSBS	04-178	111	G GRD2	B15/F3	*	
GRD	DDSBS	04-178	113	G GRD	B15/F3		
GRD	DDSBS	04-178	117	G GRD	B15/F3		
GRD	DDSBS	04-178	119	G GRD	B15/F3		
GRD	DDSBS	04-178	121	G GRD	B15/F3		
GRD	DDSBS	04-178	135	G GRD	B15/F3		
GRD	DDSBS	04-178	137	G GRD	B15/F3		
GRD	DDSBS	04-178	139	G GRD	B15/F3		
GRD	DDSBS	04-178	141	G GRD	B15/F3		
GRD	DDSBS	04-178	143	G GRD	B15/F3		
GRD	DDSBS	04-178	145	G GRD	B15/F3		
GRD	DDSBS	04-178	147	G GRD	B15/F3		
GRD	DDSBS	04-178	149	G GRD	B15/F3		
GRD	DDSBS	04-178	151	G GRD	B15/F3		
GRD	DDSBS	04-178	153	G GRD	B15/F3		
GRD	DDSBS	04-178	155	G GRD	B15/F3		
GRD	DDSBS	04-178	200	G GRD	B15/F3		
GRD	DDSBS	04-178	202	G GRD	B15/F3		
GRD	DDSBS	04-178	204	G GRD	B15/F3		
GRD	DDSBS	04-178	206	G GRD3	B15/F3	*	
GRD	DDSBS	04-178	212	G GRD	B15/F3		
GRD	DDSBS	04-178	214	G GRD	B15/F3		
GRD	DDSBS	04-178	216	G GRD	B15/F3		
GRD	DDSBS	04-178	218	G GRD	B15/F3		
GRD	DDSBS	04-178	220	G GRD	B15/F3		
GRD	DDSBS	04-178	222	G GRD	B15/F3		
GRD	DDSBS	04-178	224	G GRD	B15/F3		
GRD	DDSBS	04-178	232	G GRD	B15/F3		
GRD	DDSBS	04-178	234	G GRD	B15/F3		
GRD	DDSBS	04-178	236	G GRD	B15/F3		
GRD	DDSBS	04-178	238	G GRD	B15/F3		
GRD	DDSBS	04-178	240	G GRD	B15/F3		
GRD	DDSBS	04-178	242	G GRD	B15/F3		
GRD	DDSBS	04-178	244	G GRD	B15/F3		
GRD	DDSBS	04-178	246	G GRD	B15/F3		
GRD	DDSBS	04-178	248	G GRD	B15/F3		
GRD	DDSBS	04-178	250	G GRD	B15/F3		
GRD	DDSBS	04-178	252	G GRD	B15/F3		
GRD	DDSBS	04-178	254	G GRD	B15/F3		
GRD	DDSBS	04-178	311	G GRD4	B15/F3	*	
GRD	DDSBS	04-178	324	G GRD	B15/F3		
GRD	DDSBS	04-178	332	G GRD	B15/F3		
GRD	DDSBS	04-178	356	G GRD	B15/F3		
GRD	07-017	07-017	057	G	B6/D1	*	
GRD	E4	07-017-057	1	G GRD1	B6/D2		
GRD	E4	07-017-057	2	G GRD2	B6/D2		
GRD	E4	07-017-057	3	G GRD3	B6/D2		
GRD	E4	07-017-057	4	G GRD4	B6/D2		
GRD	07-037	07-037	057	G	B6/E1	*	
GRD	E6	07-037-057	1	G GRD1	B6/E2		
GRD	E6	07-037-057	2	G GRD2	B6/E2		
GRD	E6	07-037-057	3	G GRD3	B6/E2		
GRD	E6	07-037-057	4	G GRD4	B6/E2		
GRD	07-056	07-056	557	G	B6/F1	*	
GRD	E8	07-056-557	1	G GRD1	B6/F2		
GRD	E8	07-056-557	2	G GRD2	B6/F2		
GRD	E8	07-056-557	3	G GRD3	B6/F2		
GRD	E8	07-056-557	4	G GRD4	B6/F2		
GRD	07-082	07-082	357	G	B17/C5	*	
GRD	E12	07-082-357	1	G GRD1	B17/C6		
GRD	E12	07-082-357	2	G GRD2	B17/C6		
GRD	E12	07-082-357	3	G GRD3	B17/C6		
GRD	E12	07-082-357	4	G GRD4	B17/C6		
GRD	07-106	07-106	157	G	B17/D5	*	
GRD	07-130	07-130	057	G	B17/E5	*	
GRD	E16	07-130-057	1	G GRD1	B17/E6		
GRD	E16	07-130-057	2	G GRD2	B17/E6		
GRD	E16	07-130-057	3	G GRD3	B17/E6		
GRD	E16	07-130-057	4	G GRD4	B17/E6		
GRD	07-152	07-152	057	G	B17/F5	*	
GRD	E18	07-152-057	1	G GRD1	B17/F6		
GRD	E18	07-152-057	2	G GRD2	B17/F6		
GRD	E18	07-152-057	3	G GRD3	B17/F6		
GRD	E18	07-152-057	4	G GRD4	B17/F6		
GRD	07-170	07-170	357	G	B17/G5	*	
GRD	E20	07-170-357	1	G GRD1	B17/G6		
GRD	E20	07-170-357	2	G GRD2	B17/G6		
GRD	E20	07-170-357	3	G GRD3	B17/G6		
GRD	E20	07-170-357	4	G GRD4	B17/G6		
INITPCO	MSPP-032	04-032	203	I INITPCO	B2/F2		

53 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
INITPCO	04-036	04-036	020	I	B7/D4	*	
INITPCO	MSPP-048	04-048	203	I INITPCO	B4/F1		
INTRA000	04-087	04-087	054	I	B18/F3	*	
INTRA000	IOMI-A	04-090	053	I INT00IO	B10/F3		
INTRA000	MSC3	04-155	754	I INT000	B16/G3		
INTRA010	04-086	04-086	054	I	B18/F1	*	
INTRA010	IOMI-A	04-090	253	I INT01IO	B10/F3		
INTRA010	MSC3	04-155	654	I INT010	B16/G3		
INTRA020	04-087	04-087	055	I	B18/F3	*	
INTRA020	IOMI-A	04-090	353	I INT02IO	B10/F3		
INTRA020	MSC3	04-155	755	I INT020	B16/G3		
INTRA030	04-086	04-086	055	I	B18/F1	*	
INTRA030	IOMI-A	04-090	553	I INT03IO	B10/F3		
INTRA030	MSC3	04-155	655	I INT030	B16/G3		
INTRA100	04-089	04-089	054	I	B18/F6	*	
INTRA100	IOMI-A	04-090	354	I INT10IO	B10/F3		
INTRA100	MSC3	04-155	054	I INT100	B16/G3		
INTRA110	04-088	04-088	054	I	B18/F4	*	
INTRA110	IOMI-A	04-090	154	I INT11IO	B10/F3		
INTRA110	MSC3	04-155	254	I INT110	B16/G3		
INTRA120	04-089	04-089	055	I	B18/F6	*	
INTRA120	IOMI-A	04-090	254	I INT12IO	B10/F3		
INTRA120	MSC3	04-155	355	I INT120	B16/G3		
INTRA130	04-088	04-088	055	I	B18/F4	*	
INTRA130	IOMI-A	04-090	354	I INT13IO	B10/F3		
INTRA130	MSC3	04-155	255	I INT130	B16/G3		
INTRA200	IOMI-A	04-090	454	I INT20IO	B10/F3		
INTRA200	04-099	04-099	554	I	B19/F0	*	
INTRA200	MSC3	04-155	054	I INT200	B16/G3		
INTRA210	IOMI-A	04-090	554	I INT21IO	B10/F3		
INTRA210	04-098	04-098	054	I	B18/F7	*	
INTRA210	MSC3	04-155	454	I INT210	B16/G3		
INTRA220	IOMI-A	04-090	055	I INT22IO	B10/F3		
INTRA220	04-099	04-099	055	I	B19/F0	*	
INTRA220	MSC3	04-155	555	I INT220	B16/G3		
INTRA230	IOMI-A	04-090	155	I INT23IO	B10/F3		
INTRA230	04-098	04-098	055	I	B18/F7	*	
INTRA230	MSC3	04-155	455	I INT230	B16/G3		
INTRA300	IOMI-A	04-090	255	I INT30IO	B10/F3		
INTRA300	04-101	04-101	054	I	B19/F4	*	
INTRA300	MSC3	04-155	154	I INT300	B16/G3		
INTRA310	IOMI-A	04-090	355	I INT31IO	B10/F3		
INTRA310	04-100	04-100	054	I	B19/F2	*	
INTRA310	MSC3	04-155	054	I INT310	B16/G3		
INTRA320	IOMI-A	04-090	455	I INT32IO	B10/F3		
INTRA320	04-101	04-101	055	I	B19/F4	*	
INTRA320	MSC3	04-155	155	I INT320	B16/G3		
INTRA330	IOMI-A	04-090	555	I INT33IO	B10/F3		
INTRA330	04-100	04-100	055	I	B19/F2	*	
INTRA330	MSC3	04-155	055	I INT330	B16/G3		
INTB000	04-103	04-103	054	I	B19/F7	*	
INTB000	IOMI-B	04-106	053	I INT00IO	B11/F3		
INTB010	04-102	04-102	054	I	B19/F6	*	
INTB010	IOMI-B	04-106	253	I INT01IO	B11/F3		
INTB020	04-103	04-103	055	I	B19/F7	*	
INTB020	IOMI-B	04-106	353	I INT02IO	B11/F3		
INTB030	04-102	04-102	055	I	B19/F6	*	
INTB030	IOMI-B	04-106	553	I INT03IO	B11/F3		
INTB100	04-105	04-105	054	I	B20/F2	*	
INTB100	IOMI-B	04-106	054	I INT10IO	B11/F3		
INTB110	04-104	04-104	054	I	B20/G1	*	
INTB110	IOMI-B	04-106	154	I INT11IO	B11/F3		
INTB120	04-105	04-105	055	I	B20/F2	*	
INTB120	IOMI-B	04-106	254	I INT12IO	B11/F3		
INTB130	04-104	04-104	055	I	B20/G1	*	
INTB130	IOMI-B	04-106	354	I INT13IO	B11/F3		
INTB200	IOMI-B	04-106	454	I INT20IO	B11/F3		
INTB200	04-113	04-113	054	I	B20/F6	*	
INTB210	IOMI-B	04-106	554	I INT21IO	B11/F3		

54 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
INTB210	04-112	04-112	054	I	B20/G4	*	
INTB220	IOMI-B	04-106	055	I INT22IO	B11/F3		
INTB220	04-113	04-113	055	I	B20/F6	*	
INTB230	IOMI-B	04-106	155	I INT23IO	B11/F3		
INTB230	04-112	04-112	055	I	B20/G4	*	
INTB300	IOMI-B	04-106	255	I INT30IO	B11/F3		
INTB300	04-115	04-115	054	I	B21/F1	*	
INTB310	IOMI-B	04-106	355	I INT31IO	B11/F3		
INTB310	04-114	04-114	054	I	B20/G7	*	
INTB320	IOMI-B	04-106	455	I INT32IO	B11/F3		
INTB320	04-115	04-115	055	I	B21/F1	*	
INTB330	IOMI-B	04-106	555	I INT33IO	B11/F3		
INTB330	04-114	04-114	055	I	B20/G7	*	
INTC000	04-117	04-117	054	I	B21/F4	*	
INTC000	IOMI-C	04-120	053	I INT00IO	B12/F3		
INTC010	04-116	04-116	054	I	B21/F3	*	
INTC010	IOMI-C	04-120	253	I INT01IO	B12/F3		
INTC020	04-117	04-117	055	I	B21/F4	*	
INTC020	IOMI-C	04-120	353	I INT02IO	B12/F3		
INTC030	04-116	04-116	0				

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55 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
INTD030	04-130	04-130	055	I		B22/G7	*
INTD030	IOMI-D	04-134	553	I	INT03IO	B13/G3	
INTD100	04-133	04-133	054	I		B23/F4	*
INTD100	IOMI-D	04-134	054	I	INT10IO	B13/G3	
INTD110	04-132	04-132	054	I		B23/F3	*
INTD110	IOMI-D	04-134	154	I	INT11IO	B13/G3	
INTD120	04-133	04-133	055	I		B23/F4	*
INTD120	IOMI-D	04-134	254	I	INT12IO	B13/G3	
INTD130	04-132	04-132	055	I		B23/F3	*
INTD130	IOMI-D	04-134	354	I	INT13IO	B13/G3	
INTD200	IOMI-D	04-134	454	I	INT20IO	B13/G3	
INTD200	04-143	04-143	054	I		B23/F7	*
INTD210	IOMI-D	04-134	554	I	INT21IO	B13/G3	
INTD210	04-142	04-142	054	I		B23/F6	*
INTD220	IOMI-D	04-134	055	I	INT22IO	B13/G3	
INTD220	04-143	04-143	055	I		B23/F7	*
INTD230	IOMI-D	04-134	155	I	INT23IO	B13/G3	
INTD230	04-142	04-142	055	I		B23/F6	*
INTD300	IOMI-D	04-134	255	I	INT30IO	B13/G3	
INTD300	04-145	04-145	054	I		B24/F4	*
INTD310	IOMI-D	04-134	355	I	INT31IO	B13/G3	
INTD310	04-144	04-144	054	I		B24/G3	*
INTD320	IOMI-D	04-134	455	I	INT32IO	B13/G3	
INTD320	04-145	04-145	055	I		B24/G4	*
INTD330	IOMI-D	04-134	555	I	INT33IO	B13/G3	
INTD330	04-144	04-144	055	I		B24/G3	*
IOMIPA1	IOMI-A	04-090	045	O	P5S01	B10/F3	
IOMIPA1	MSC3	04-155	734	I	NC	B16/G3	
IOMIPB1	IOMI-B	04-106	045	O	P5S01	B11/F3	
IOMIPB1	MSC3	04-155	633	I	IOMIPB1	B16/G3	
IOMIPC1	IOMI-C	04-120	045	O	P5S01	B12/F3	
IOMIPC1	MSC3	04-155	534	I	IOMIPC1	B16/G3	
IOMIPD1	IOMI-D	04-134	045	O	P5S01	B13/G3	
IOMIPD1	MSC3	04-155	433	I	IOMIPD1	B16/G3	
MANOVRO	04-007	04-007	019	O		B7/H1	*
MANOVRO	04-007	04-007	024	O		B7/H1	*
MANOVRO	FPCPPCCD	04-008	135	O	SCV0	B1/F0	
MANOVRO	C&D	04-066	135	O	SCV0	B8/F3	
MANOVR1	04-007	04-007	016	O		B7/H1	*
MANOVR1	04-007	04-007	023	O		B7/H1	*
MANOVR1	FPCPPCCD	04-008	136	O	SCV1	B1/F0	
MANOVR1	C&D	04-066	136	O	SCV1	B8/F3	
MANRTNO	04-006	04-006	019	G		B7/D1	*
MANRTNO	04-006	04-006	024	G		B7/D1	*
MANRTNO	FPCPPCCD	04-008	035	O	SCVRTNO	B1/F0	
MANRTNO	C&D	04-066	035	O	SCVRTNO	B8/F3	
MANRTN1	04-006	04-006	016	G		B7/D1	*
MANRTN1	04-006	04-006	023	G		B7/D1	*
MANRTN1	FPCPPCCD	04-008	036	O	SCVRTN1	B1/F0	
MANRTN1	C&D	04-066	036	O	SCVRTN1	B8/F3	
MYADD0I1	MSC3	04-155	247	I	MYADD0I1	B16/G3	
MYADD0I1	04-170	04-170	010	I		B14/F4	*
MYADD1I1	MSC3	04-155	246	I	MYADD1I1	B16/G3	
MYADD1I1	04-170	04-170	011	I		B14/F4	*
MYADD2I1	MSC3	04-155	245	I	MYADD2I1	B16/G3	
MYADD2I1	04-170	04-170	012	I		B14/F4	*
MYADD3I1	MSC3	04-155	244	I	MYADD3I1	B16/G3	
MYADD3I1	04-170	04-170	013	I		B14/F4	*
NCURPR	PWRCONV	04-024	017	I	CP(+)	B1/F5	
NCURPR	MSPP-032	04-032	012	IO	NCURPR	B2/F2	
NCURPR	PPC	04-040	012	O	NCURPR	B3/G3	
NCURPR	MSPP-048	04-048	012	IO	NCURPR	B4/F1	
NCURPR	FPC	04-056	012	O	-CURPR	B5/F3	
OOLA00	04-086	04-086	006	I		B18/G1	*
OOLA00	IOMI-A	04-090	004	I	OOL0IO	B10/F3	
OOLA00	MSC3	04-155	600	I	OOL00	B16/G3	
OOLA10	04-088	04-088	006	I		B18/G4	*
OOLA10	IOMI-A	04-090	104	I	OOL1IO	B10/F3	

56 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
OOLA10	MSC3	04-155	200	I	OOL10	B16/G3	
OOLA20	IOMI-A	04-090	204	I	OOL2IO	B10/F3	
OOLA20	04-098	04-098	006	I		B18/G7	*
OOLA20	MSC3	04-155	400	I	OOL20	B16/G3	
OOLA30	IOMI-A	04-090	404	I	OOL3IO	B10/F3	
OOLA30	04-100	04-100	006	I		B19/F2	*
OOLA30	MSC3	04-155	000	I	OOL30	B16/G3	
OOLB00	04-102	04-102	006	I		B19/F6	*
OOLB00	IOMI-B	04-106	004	I	OOL0IO	B11/F3	
OOLB10	04-104	04-104	006	I		B20/G1	*
OOLB10	IOMI-B	04-106	104	I	OOL1IO	B11/F3	
OOLB20	IOMI-B	04-106	204	I	OOL2IO	B11/F3	
OOLB20	04-112	04-112	006	I		B20/G4	*
OOLB30	IOMI-B	04-106	404	I	OOL3IO	B11/F3	
OOLB30	04-114	04-114	006	I		B20/G7	*
OOLC00	04-116	04-116	006	I		B21/G3	*
OOLC00	IOMI-C	04-120	004	I	OOL0IO	B12/F3	
OOLC10	04-118	04-118	006	I		B21/G6	*
OOLC10	IOMI-C	04-120	104	I	OOL1IO	B12/F3	
OOLC20	IOMI-C	04-120	204	I	OOL2IO	B12/F3	
OOLC20	04-126	04-126	006	I		B22/G1	*
OOLC30	IOMI-C	04-120	404	I	OOL3IO	B12/F3	
OOLC30	04-128	04-128	006	I		B22/G4	*
OOLD00	04-130	04-130	006	I		B22/G7	*
OOLD00	IOMI-D	04-134	004	I	OOL0IO	B13/G3	
OOLD10	04-132	04-132	006	I		B23/F3	*
OOLD10	IOMI-D	04-134	104	I	OOL1IO	B13/G3	
OOLD20	IOMI-D	04-134	204	I	OOL2IO	B13/G3	
OOLD20	04-142	04-142	006	I		B23/F6	*
OOLD30	IOMI-D	04-134	404	I	OOL3IO	B13/G3	
OOLD30	04-144	04-144	006	I		B24/G3	*
OOS+I	FPCPPCCD	04-008	111	IO	OOSCONV	B1/F0	
OOS+I	PWRCONV	04-024	015	IO	OOS(+)	B1/F5	
OOS-I	FPCPPCCD	04-008	109	O	OOSTST	B1/F0	
OOS-I	PWRCONV	04-024	115	I	OOS(-)	B1/F5	
OUTSRVC1	C&D	04-066	109	O	OOSTST	B8/F3	
OUTSRVC1	PWRCONV2	04-082	115	I	OOS(-)	B9/G3	
OUTSRVC2	C&D	04-066	111	IO	OOSCONV	B8/F3	
OUTSRVC2	PWRCONV2	04-082	015	IO	OOS(+)	B9/G3	
POCLKN	PPC	04-040	235	I	OCLKN	B3/G3	*
POCLKP	PPC	04-040	335	I	OCLKP	B3/G3	*
PORDATAN	PPC	04-040	237	I	ORDATAN	B3/G3	*
PORDATAP	PPC	04-040	337	I	ORDATAP	B3/G3	*
POSYNCR	PPC	04-040	234	I	OSYNCR	B3/G3	*
POSYNCP	PPC	04-040	334	I	OSYNCP	B3/G3	*
POTDATAN	PPC	04-040	236	O	OTDATAN	B3/G3	*
POTDATAP	PPC	04-040	336	O	OTDATAP	B3/G3	*
P1CLKN	PPC	04-040	240	I	1CLKN	B3/G3	*
P1CLKP	PPC	04-040	340	I	1CLKP	B3/G3	*
PIRDATAN	PPC	04-040	242	I	1RDATAN	B3/G3	*
PIRDATAP	PPC	04-040	342	I	1RDATAP	B3/G3	*
P1SYNCR	PPC	04-040	239	I	1SYNCR	B3/G3	*
P1SYNCP	PPC	04-040	339	I	1SYNCP	B3/G3	*
P1TDATAN	PPC	04-040	241	O	1TDATAN	B3/G3	*
P1TDATAP	PPC	04-040	341	O	1TDATAP	B3/G3	*
PCSLA000	04-087	04-087	003	O		B18/F3	*
PCSLA000	IOMI-A	04-090	110	O	SEL0000	B10/F3	
PCSLA000	MSC3	04-155	701	O	SEL0000	B16/G3	
PCSLA010	04-087	04-087	004	O		B18/F3	*
PCSLA010	IOMI-A	04-090	210	O	SEL0100	B10/F3	

57 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
PCSLA010	MSC3	04-155	702	O	SEL0100	B16/G3	
PCSLA020	04-087	04-087	005	O		B18/F3	*
PCSLA020	IOMI-A	04-090	310	O	SEL0200	B10/F3	
PCSLA020	MSC3	04-155	703	O	SEL0200	B16/G3	
PCSLA030	04-087	04-087	006	O		B18/G3	*
PCSLA030	IOMI-A	04-090	410	O	SEL0300	B10/F3	
PCSLA030	MSC3	04-155	704	O	SEL0300	B16/G3	
PCSLA100	04-089	04-089	003	O		B18/F6	*
PCSLA100	IOMI-A	04-090	510	O	SEL1000	B10/F3	
PCSLA100	MSC3	04-155	301	O	SEL1000	B16/G3	
PCSLA110	04-089	04-089	004	O		B18/F6	*
PCSLA110	IOMI-A	04-090	011	O	SEL1100	B10/F3	
PCSLA110	MSC3	04-155	302	O	SEL1100	B16/G3	
PCSLA120	04-089	04-089	005	O		B18/F6	*
PCSLA120	IOMI-A	04-090	111	O	SEL1200	B10/F3	
PCSLA120	MSC3	04-155	303	O	SEL1200	B16/G3	
PCSLA130	04-089	04-089	006	O		B18/G6	*
PCSLA130	IOMI-A	04-090	211	O	SEL1300	B10/F3	
PCSLA130	MSC3	04-155	304	O	SEL1300	B16/G3	
PCSLA200	IOMI-A	04-090	311	O	SEL2000	B10/F3	
PCSLA200	04-099	04-099	003	O		B19/F0	*
PCSLA200	MSC3	04-155	501	O	SEL2000	B16/G3	
PCSLA210	IOMI-A	04-090	411	O	SEL2100	B10/F3	
PCSLA210	04-099	04-099	004	O		B19/F0	*
PCSLA210	MSC3	04-155	502	O	SEL2100	B16/G3	
PCSLA220	IOMI-A	04-090	511	O	SEL2200	B10/F3	

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58 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
PCSLB120	04-105	04-105	005	O	B20/G2	*	
PCSLB120	IOMI-B	04-106	111	O SEL1200	B11/F3		
PCSLB130	04-105	04-105	006	O	B20/G2	*	
PCSLB130	IOMI-B	04-106	211	O SEL1300	B11/F3		
PCSLB200	IOMI-B	04-106	311	O SEL2000	B11/F3	*	
PCSLB200	04-113	04-113	003	O	B20/F6	*	
PCSLB210	IOMI-B	04-106	411	O SEL2100	B11/F3	*	
PCSLB210	04-113	04-113	004	O	B20/G6	*	
PCSLB220	IOMI-B	04-106	511	O SEL2200	B11/F3	*	
PCSLB220	04-113	04-113	005	O	B20/G6	*	
PCSLB230	IOMI-B	04-106	012	O SEL2300	B11/F3	*	
PCSLB230	04-113	04-113	006	O	B20/G6	*	
PCSLB300	IOMI-B	04-106	112	O SEL3000	B11/F3	*	
PCSLB300	04-115	04-115	003	O	B21/F1	*	
PCSLB310	IOMI-B	04-106	212	O SEL3100	B11/F3	*	
PCSLB310	04-115	04-115	004	O	B21/F1	*	
PCSLB320	IOMI-B	04-106	412	O SEL3200	B11/F3	*	
PCSLB320	04-115	04-115	005	O	B21/G1	*	
PCSLB330	IOMI-B	04-106	512	O SEL3300	B11/F3	*	
PCSLB330	04-115	04-115	006	O	B21/G1	*	
PCSLC000	04-117	04-117	003	O	B21/F4	*	
PCSLC000	IOMI-C	04-120	110	O SEL0000	B12/F3	*	
PCSLC010	04-117	04-117	004	O	B21/F4	*	
PCSLC010	IOMI-C	04-120	210	O SEL0100	B12/F3	*	
PCSLC020	04-117	04-117	005	O	B21/G4	*	
PCSLC020	IOMI-C	04-120	310	O SEL0200	B12/F3	*	
PCSLC030	04-117	04-117	006	O	B21/G4	*	
PCSLC030	IOMI-C	04-120	410	O SEL0300	B12/F3	*	
PCSLC100	04-119	04-119	003	O	B21/F7	*	
PCSLC100	IOMI-C	04-120	510	O SEL1000	B12/F3	*	
PCSLC110	04-119	04-119	004	O	B21/F7	*	
PCSLC110	IOMI-C	04-120	011	O SEL1100	B12/F3	*	
PCSLC120	04-119	04-119	005	O	B21/G7	*	
PCSLC120	IOMI-C	04-120	111	O SEL1200	B12/F3	*	
PCSLC130	04-119	04-119	006	O	B21/G7	*	
PCSLC130	IOMI-C	04-120	211	O SEL1300	B12/F3	*	
PCSLC200	IOMI-C	04-120	311	O SEL2000	B12/F3	*	
PCSLC200	04-127	04-127	003	O	B22/F2	*	
PCSLC210	IOMI-C	04-120	411	O SEL2100	B12/F3	*	
PCSLC210	04-127	04-127	004	O	B22/F2	*	
PCSLC220	IOMI-C	04-120	511	O SEL2200	B12/F3	*	
PCSLC220	04-127	04-127	005	O	B22/G2	*	
PCSLC230	IOMI-C	04-120	012	O SEL2300	B12/F3	*	
PCSLC230	04-127	04-127	006	O	B22/G2	*	
PCSLC300	IOMI-C	04-120	112	O SEL3000	B12/F3	*	
PCSLC300	04-129	04-129	003	O	B22/F5	*	
PCSLC310	IOMI-C	04-120	212	O SEL3100	B12/F3	*	
PCSLC310	04-129	04-129	004	O	B22/F5	*	
PCSLC320	IOMI-C	04-120	412	O SEL3200	B12/F3	*	
PCSLC320	04-129	04-129	005	O	B22/G5	*	
PCSLC330	IOMI-C	04-120	512	O SEL3300	B12/F3	*	
PCSLC330	04-129	04-129	006	O	B22/G5	*	
PCSLD000	04-131	04-131	003	O	B23/F1	*	
PCSLD000	IOMI-D	04-134	110	O SEL0000	B13/G3	*	
PCSLD010	04-131	04-131	004	O	B23/F1	*	
PCSLD010	IOMI-D	04-134	210	O SEL0100	B13/G3	*	
PCSLD020	04-131	04-131	005	O	B23/F1	*	
PCSLD020	IOMI-D	04-134	310	O SEL0200	B13/G3	*	
PCSLD030	04-131	04-131	006	O	B23/F1	*	
PCSLD030	IOMI-D	04-134	410	O SEL0300	B13/G3	*	
PCSLD100	04-133	04-133	003	O	B23/F4	*	
PCSLD100	IOMI-D	04-134	510	O SEL1000	B13/G3	*	
PCSLD110	04-133	04-133	004	O	B23/F4	*	
PCSLD110	IOMI-D	04-134	011	O SEL1100	B13/G3	*	

59 LEAD INDEX (CONTINUED)								
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT		
PCSLD120	04-133	04-133	005	O	B23/F4	*		
PCSLD120	IOMI-D	04-134	111	O SEL1200	B13/G3	*		
PCSLD130	04-133	04-133	006	O	B23/F4	*		
PCSLD130	IOMI-D	04-134	211	O SEL1300	B13/G3	*		
PCSLD200	IOMI-D	04-134	311	O SEL2000	B13/G3	*		
PCSLD200	04-143	04-143	003	O	B23/F7	*		
PCSLD210	IOMI-D	04-134	411	O SEL2100	B13/G3	*		
PCSLD210	04-143	04-143	004	O	B23/F7	*		
PCSLD220	IOMI-D	04-134	511	O SEL2200	B13/G3	*		
PCSLD220	04-143	04-143	005	O	B23/F7	*		
PCSLD230	IOMI-D	04-134	012	O SEL2300	B13/G3	*		
PCSLD230	04-143	04-143	006	O	B23/F7	*		
PCSLD300	IOMI-D	04-134	112	O SEL3000	B13/G3	*		
PCSLD300	04-145	04-145	003	O	B24/G4	*		
PCSLD310	IOMI-D	04-134	212	O SEL3100	B13/G3	*		
PCSLD310	04-145	04-145	004	O	B24/G4	*		
PCSLD320	IOMI-D	04-134	412	O SEL3200	B13/G3	*		
PCSLD320	04-145	04-145	005	O	B24/G4	*		
PCSLD330	IOMI-D	04-134	512	O SEL3300	B13/G3	*		
PCSLD330	04-145	04-145	006	O	B24/G4	*		
PCURPR	PWRCONV	04-024	117	I CP(-)	B1/F5			
PCURPR	MSPP-032	04-032	112	IO PCURPR	B2/F2			
PCURPR	PPC	04-040	112	O PCURPR	B3/G3			
PCURPR	MSPP-048	04-048	112	IO PCURPR	B4/F1			
PCURPR	FPC	04-056	112	O +CURPR	B5/F3			
REQ0BN	MSC3	04-155	411	O RE2000N	B16/G3	*		
REQ0BN	DDSB8	04-178	011	IO REQ0BN	B15/F3	*		
REQ0BP	MSC3	04-155	510	O RE2000P	B16/G3	*		
REQ0BP	DDSB8	04-178	110	IO REQ0BP	B15/F3	*		
REQ1BN	MSC3	04-155	611	O RE2010N	B16/G3	*		
REQ1BN	DDSB8	04-178	211	IO REQ1BN	B15/F3	*		
REQ1BP	MSC3	04-155	710	O RE2010P	B16/G3	*		
REQ1BP	DDSB8	04-178	310	IO REQ1BP	B15/F3	*		
RISL8A00	04-087	04-087	021	O	B18/G3	*		
RISL8A00	IOMI-A	04-090	416	O RISL8000	B10/F3	*		
RISL8A00	MSC3	04-155	721	O RISL8000	B16/G3	*		
RISL8A10	04-089	04-089	021	O	B18/G6	*		
RISL8A10	IOMI-A	04-090	516	O RISL8100	B10/F3	*		
RISL8A10	MSC3	04-155	321	O RISL8100	B16/G3	*		
RISL8A20	IOMI-A	04-090	017	O RISL8200	B10/F3	*		
RISL8A20	04-099	04-099	021	O	B19/G0	*		
RISL8A20	MSC3	04-155	521	O RISL8200	B16/G3	*		
RISL8A30	IOMI-A	04-090	117	O RISL8300	B10/F3	*		
RISL8A30	04-101	04-101	021	O	B19/G4	*		
RISL8A30	MSC3	04-155	121	O RISL8300	B16/G3	*		
RISL8B00	04-103	04-103	021	O	B19/G7	*		
RISL8B00	IOMI-B	04-106	416	O RISL8000	B11/F3	*		
RISL8B10	04-105	04-105	021	O	B20/G2	*		
RISL8B10	IOMI-B	04-106	516	O RISL8100	B11/F3	*		
RISL8B20	IOMI-B	04-106	017	O RISL8200	B11/F3	*		
RISL8B20	04-113	04-113	021	O	B20/G6	*		
RISL8B30	IOMI-B	04-106	117	O RISL8300	B11/F3	*		
RISL8B30	04-115	04-115	021	O	B21/G1	*		
RISL8C00	04-117	04-117	021	O	B21/G4	*		
RISL8C00	IOMI-C	04-120	416	O RISL8000	B12/F3	*		
RISL8C10	04-119	04-119	021	O	B21/G7	*		
RISL8C10	IOMI-C	04-120	516	O RISL8100	B12/F3	*		
RISL8C20	IOMI-C	04-120	017	O RISL8200	B12/F3	*		
RISL8C20	04-127	04-127	021	O	B22/G2	*		
RISL8C30	IOMI-C	04-120	117	O RISL8300	B12/F3	*		
RISL8C30	04-129	04-129	021	O	B22/G5	*		
RISL8D00	04-131	04-131	021	O	B23/G1	*		
RISL8D00	IOMI-D	04-134	416	O RISL8000	B13/G3	*		
RISL8D10	04-133	04-133	021	O	B23/G4	*		
RISL8D10	IOMI-D	04-134	516	O RISL8100	B13/G3	*		
RISL8D20	IOMI-D	04-134	017	O RISL8200	B13/G3	*		

60 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN TRMMOD	SYMLOC	XT	
RISL8D20	04-143	04-143	021	O	B23/G7	*	
RISL8D30	IOMI-D	04-134	117	O RISL8300	B13/G3	*	
RISL8D30	04-145	04-145	021	O	B24/G4	*	
RISOL0	MSPP-032	04-032	103	I RISOL0	B2/F2	*	
RISOL0	04-037	04-037	021	I	B7/G4	*	
RISOL0	MSPP-048	04-048	103	I RISOL0	B4/F1	*	
RS1	FPCPPCCD	04-008	124	O RS1	B1/F0		
RS1	PWRCONV	04-024	011	I RS1	B1/F5		
RS2	FPCPPCCD	04-008	122	IO RS2	B1/F0		
RS2	PWRCONV	04-024	110	I RS2	B1/F5		
RS3	FPCPPCCD	04-008	009	O RS3	B1/F0		
RS3	PWRCONV	04-024	109	I RS3	B1/F5		
RVS	PWRCONV	04-024	018	IO SA(+)	B1/F5		
RVS	PWRCONV	04-024	118	IO SB(+)	B1/F5		
SHRTA	PWRCONV2	04-082	018	IO SA(+)	B9/G3		
SHRTA	PWRCONV2	04-082	019	IO SC(+)	B9/G3		
SISL8A00	04-086	04-086	021	O	B18/G1	*	
SISL8A00	IOMI-A	04-090	217	O SISL8000	B10/F3	*	
SISL8A00	MSC3	04-155	621	O SISL8000	B16/G3	*	
SISL8A10	04-088	04-088	021	O	B18/G4	*	
SISL8A10	IOMI-A	04-090	417	O SISL8100	B10/F3	*	
SISL8A10	MSC3	04-155	221	O SISL8100	B16/G3	*	
SISL8A20	IOMI-A	04-090	517	O SISL8200	B10/F3	*	
SISL8A20	04-098	04-098	021	O	B18/G7	*	
SISL8A20	MSC3	04-155	421	O SISL8200	B16/G3	*	
SISL8A30	IOMI-A	04-090	018	O SISL8300	B10/F3	*	
SISL8A30	04-100	04-100	021	O	B19/G2	*	
SISL8A30	MSC3	04-155	021	O SISL8300	B16/G3	*	
SISL8B00	04-102	04-102	021	O	B19/G6	*	
SISL8B00	IOMI-B	04-106	217	O SISL8000	B11/F3	*	
SISL8B10	04-104	04-104	021	O	B20/G1	*	
SISL8B10	IOMI-B	04-106	417	O SISL8100	B11/F3	*	
SISL8B20	IOMI-B	04-106	517	O SISL8200	B11/F3	*	
SISL8B20	04-112	04-112	021	O	B20/G4	*	
SISL8B30	IOMI-B	04-106	018	O SISL8300	B11/F3	*	
SISL8B30	04-114	04-114	021	O	B20/G7	*	
SISL8C00	04-116	04-116	021	O	B21/G3	*	
SISL8C00	IOMI-C	04-120	217	O SISL8000	B12/F3	*	
SISL8C10	04-118	04-118	021	O	B21/G6	*	
SISL8C10	IOMI-C	04-120	417	O SISL8100	B12/F3	*	
SISL8C20	IOMI-C	04-120	517	O SISL8200	B12/F3	*	
SISL8C20	04-126	04-126	021	O	B22/G1	*	
SISL8C30	IOMI-C	04-120</					

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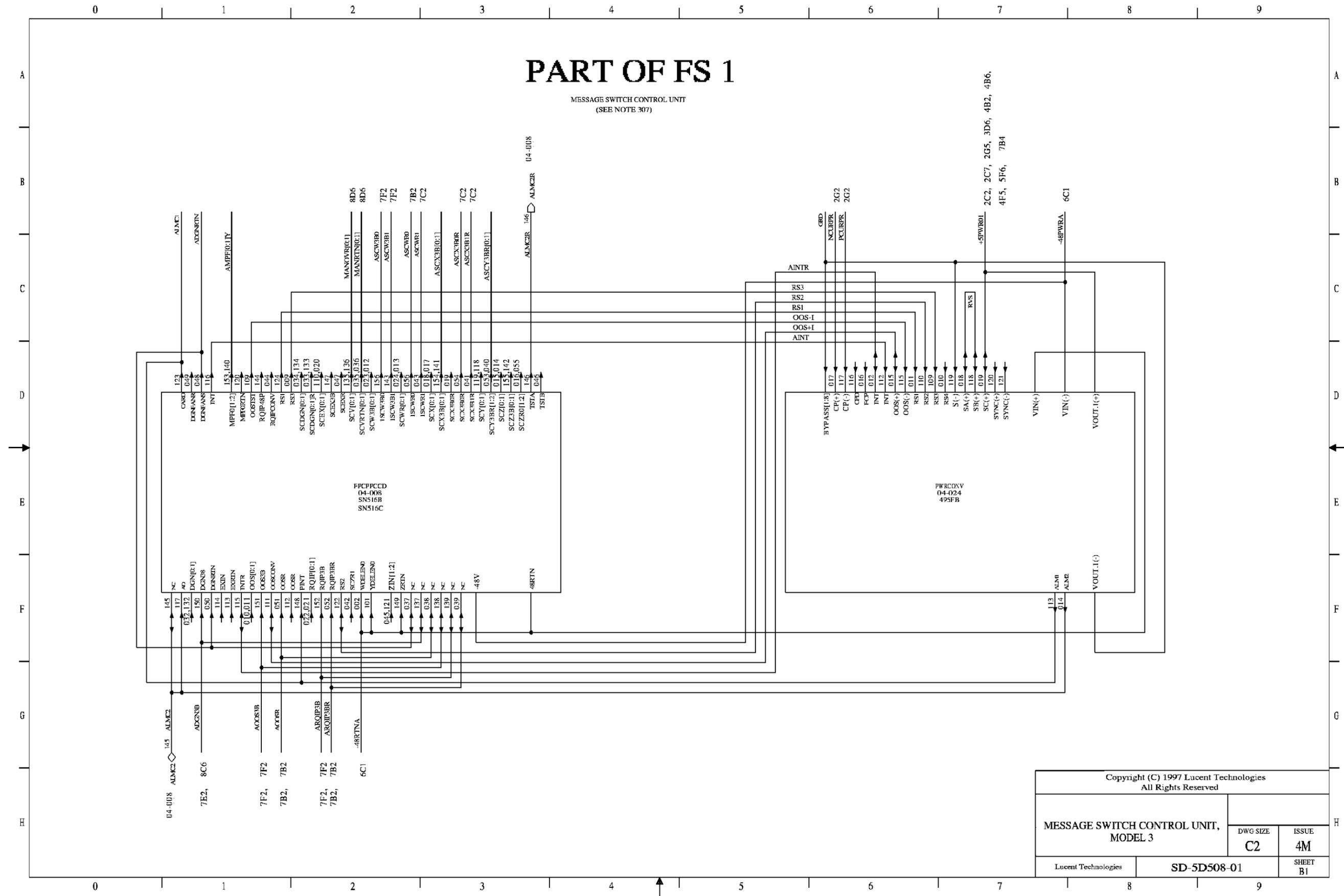
61 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
SISOL0	MSPP-032	04-032	003	I	SISOL0	B2/F2	
SISOL0	04-036	04-036	021	I		B7/D4	*
SISOL0	MSPP-048	04-048	003	I	SISOL0	B4/F1	
SRA000	04-087	04-087	022	I		B18/G3	*
SRA000	IOMI-A	04-090	122	I	SR0010	B10/F3	
SRA000	MSC3	04-155	722	I	SR000	B16/G3	
SRA010	04-086	04-086	022	I		B18/G1	*
SRA010	IOMI-A	04-090	222	I	SR0110	B10/F3	
SRA010	MSC3	04-155	622	I	SR010	B16/G3	
SRA020	04-087	04-087	023	I		B18/G3	*
SRA020	IOMI-A	04-090	422	I	SR0210	B10/F3	
SRA020	MSC3	04-155	723	I	SR020	B16/G3	
SRA030	04-086	04-086	023	I		B18/G1	*
SRA030	IOMI-A	04-090	522	I	SR0310	B10/F3	
SRA030	MSC3	04-155	623	I	SR030	B16/G3	
SRA100	04-089	04-089	022	I		B18/G6	*
SRA100	IOMI-A	04-090	023	I	SR1010	B10/F3	
SRA100	MSC3	04-155	322	I	SR100	B16/G3	
SRA110	04-088	04-088	022	I		B18/G4	*
SRA110	IOMI-A	04-090	123	I	SR1110	B10/F3	
SRA110	MSC3	04-155	222	I	SR110	B16/G3	
SRA120	04-089	04-089	023	I		B18/G6	*
SRA120	IOMI-A	04-090	223	I	SR1210	B10/F3	
SRA120	MSC3	04-155	323	I	SR120	B16/G3	
SRA130	04-088	04-088	023	I		B18/G4	*
SRA130	IOMI-A	04-090	323	I	SR1310	B10/F3	
SRA130	MSC3	04-155	223	I	SR130	B16/G3	
SRA200	IOMI-A	04-090	423	I	SR2010	B10/F3	
SRA200	04-099	04-099	022	I		B19/G0	*
SRA200	MSC3	04-155	522	I	SR200	B16/G3	
SRA210	IOMI-A	04-090	523	I	SR2110	B10/F3	
SRA210	04-098	04-098	022	I		B18/G7	*
SRA210	MSC3	04-155	422	I	SR210	B16/G3	
SRA220	IOMI-A	04-090	024	I	SR2210	B10/F3	
SRA220	04-099	04-099	023	I		B19/G0	*
SRA220	MSC3	04-155	523	I	SR220	B16/G3	
SRA230	IOMI-A	04-090	124	I	SR2310	B10/F3	
SRA230	04-098	04-098	023	I		B18/G7	*
SRA230	MSC3	04-155	423	I	SR230	B16/G3	
SRA300	IOMI-A	04-090	324	I	SR3010	B10/F3	
SRA300	04-101	04-101	022	I		B19/G4	*
SRA300	MSC3	04-155	122	I	SR300	B16/G3	
SRA310	IOMI-A	04-090	232	I	SR3110	B10/F3	
SRA310	04-100	04-100	022	I		B19/G2	*
SRA310	MSC3	04-155	022	I	SR310	B16/G3	
SRA320	IOMI-A	04-090	432	I	SR3210	B10/F3	
SRA320	04-101	04-101	023	I		B19/G4	*
SRA320	MSC3	04-155	123	I	SR320	B16/G3	
SRA330	IOMI-A	04-090	532	I	SR3310	B10/F3	
SRA330	04-100	04-100	023	I		B19/G2	*
SRA330	MSC3	04-155	023	I	SR330	B16/G3	
SRB000	04-103	04-103	022	I		B19/G7	*
SRB000	IOMI-B	04-106	122	I	SR0010	B11/F3	
SRB010	04-102	04-102	022	I		B19/G6	*
SRB010	IOMI-B	04-106	222	I	SR0110	B11/F3	
SRB020	04-103	04-103	023	I		B19/G7	*
SRB020	IOMI-B	04-106	422	I	SR0210	B11/F3	
SRB030	04-102	04-102	023	I		B19/G6	*
SRB030	IOMI-B	04-106	522	I	SR0310	B11/F3	
SRB100	04-105	04-105	022	I		B20/G2	*
SRB100	IOMI-B	04-106	023	I	SR1010	B11/F3	
SRB110	04-104	04-104	022	I		B20/G1	*
SRB110	IOMI-B	04-106	123	I	SR1110	B11/F3	
SRB120	04-105	04-105	023	I		B20/G2	*
SRB120	IOMI-B	04-106	223	I	SR1210	B11/F3	
SRB130	04-104	04-104	023	I		B20/G1	*
SRB130	IOMI-B	04-106	323	I	SR1310	B11/F3	
SRB200	IOMI-B	04-106	423	I	SR2010	B11/F3	
SRB200	04-113	04-113	022	I		B20/G6	*
SRB210	IOMI-B	04-106	523	I	SR2110	B11/F3	

62 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
SRB210	04-112	04-112	022	I		B20/G4	*
SRB220	IOMI-B	04-106	024	I	SR2210	B11/F3	
SRB220	04-113	04-113	023	I		B20/G6	*
SRB230	IOMI-B	04-106	124	I	SR2310	B11/F3	
SRB230	04-112	04-112	023	I		B20/G4	*
SRB300	IOMI-B	04-106	324	I	SR3010	B11/F3	
SRB300	04-115	04-115	022	I		B21/G1	*
SRB310	IOMI-B	04-106	232	I	SR3110	B11/F3	
SRB310	04-114	04-114	022	I		B20/G7	*
SRB320	IOMI-B	04-106	432	I	SR3210	B11/F3	
SRB320	04-115	04-115	023	I		B21/G1	*
SRB330	IOMI-B	04-106	532	I	SR3310	B11/F3	
SRB330	04-114	04-114	023	I		B20/G7	*
SRC000	04-117	04-117	022	I		B21/G4	*
SRC000	IOMI-C	04-120	122	I	SR0010	B12/F3	
SRC01	IOMI-A	04-090	008	I	SRC011	B10/F3	
SRC01	IOMI-B	04-106	008	I	SRC011	B11/F3	
SRC01	IOMI-C	04-120	008	I	SRC011	B12/F3	
SRC01	IOMI-D	04-134	008	I	SRC011	B13/G3	
SRC01	MSC3	04-155	744	O	B\$SRC01	B16/G3	
SRC010	04-116	04-116	022	I		B21/G3	*
SRC010	IOMI-C	04-120	222	I	SR0110	B12/F3	
SRC020	04-117	04-117	023	I		B21/G4	*
SRC020	IOMI-C	04-120	422	I	SR0210	B12/F3	
SRC030	04-116	04-116	023	I		B21/G3	*
SRC030	IOMI-C	04-120	522	I	SR0310	B12/F3	
SRC100	04-119	04-119	022	I		B21/G7	*
SRC100	IOMI-C	04-120	023	I	SR1010	B12/F3	
SRC11	IOMI-A	04-090	108	I	SRC111	B10/F3	
SRC11	IOMI-B	04-106	108	I	SRC111	B11/F3	
SRC11	IOMI-C	04-120	108	I	SRC111	B12/F3	
SRC11	IOMI-D	04-134	108	I	SRC111	B13/G3	
SRC11	MSC3	04-155	645	O	B\$SRC11	B16/G3	
SRC110	04-118	04-118	022	I		B21/G6	*
SRC110	IOMI-C	04-120	123	I	SR1110	B12/F3	
SRC120	04-119	04-119	023	I		B21/G7	*
SRC120	IOMI-C	04-120	223	I	SR1210	B12/F3	
SRC130	04-118	04-118	023	I		B21/G6	*
SRC130	IOMI-C	04-120	323	I	SR1310	B12/F3	
SRC200	IOMI-C	04-120	423	I	SR2010	B12/F3	
SRC200	04-127	04-127	022	I		B22/G2	*
SRC21	IOMI-A	04-090	208	I	SRC211	B10/F3	
SRC21	IOMI-B	04-106	208	I	SRC211	B11/F3	
SRC21	IOMI-C	04-120	208	I	SRC211	B12/F3	
SRC21	IOMI-D	04-134	208	I	SRC211	B13/G3	
SRC21	MSC3	04-155	745	O	B\$SRC21	B16/G3	
SRC210	IOMI-C	04-120	523	I	SR2110	B12/F3	
SRC210	04-126	04-126	022	I		B22/G1	*
SRC220	IOMI-C	04-120	024	I	SR2210	B12/F3	
SRC220	04-127	04-127	023	I		B22/G2	*
SRC230	IOMI-C	04-120	124	I	SR2310	B12/F3	
SRC230	04-126	04-126	023	I		B22/G1	*
SRC300	IOMI-C	04-120	324	I	SR3010	B12/F3	
SRC300	04-129	04-129	022	I		B22/G5	*
SRC31	IOMI-A	04-090	308	I	SRC311	B10/F3	
SRC31	IOMI-B	04-106	308	I	SRC311	B11/F3	
SRC31	IOMI-C	04-120	308	I	SRC311	B12/F3	
SRC31	IOMI-D	04-134	308	I	SRC311	B13/G3	
SRC31	MSC3	04-155	646	O	B\$SRC31	B16/G3	
SRC310	IOMI-C	04-120	232	I	SR3110	B12/F3	
SRC310	04-128	04-128	022	I		B22/G4	*
SRC320	IOMI-C	04-120	432	I	SR3210	B12/F3	
SRC320	04-129	04-129	023	I		B22/G5	*
SRC330	IOMI-C	04-120	532	I	SR3310	B12/F3	
SRC330	04-128	04-128	023	I		B22/G4	*
SRC41	IOMI-A	04-090	408	I	SRC411	B10/F3	
SRC41	IOMI-B	04-106	408	I	SRC411	B11/F3	
SRC41	IOMI-C	04-120	408	I	SRC411	B12/F3	

63 LEAD INDEX (CONTINUED)							
LDESIG	FDESIG	ELI EQL	TRMNO	FN	TRMMOD	SYMLOC	XT
SRC41	IOMI-D	04-134	408	I	SRC411	B13/G3	
SRC41	MSC3	04-155	747	O	B\$SRC41	B16/G3	
SRD000	04-131	04-131	022	I		B23/G1	*
SRD000	IOMI-D	04-134	122	I	SR0010	B13/G3	
SRD010	04-130	04-130	022	I		B22/G7	*
SRD010	IOMI-D	04-134	222	I	SR0110	B13/G3	
SRD020	04-131	04-131	023	I		B23/G1	*
SRD020	IOMI-D	04-134	422	I	SR0210	B13/G3	
SRD030	04-130	04-130	023	I		B22/G7	*
SRD030	IOMI-D	04-134	522	I	SR0310	B13/G3	
SRD100	04-133	04-133	022	I		B23/G4	*
SRD100	IOMI-D	04-134	023</				

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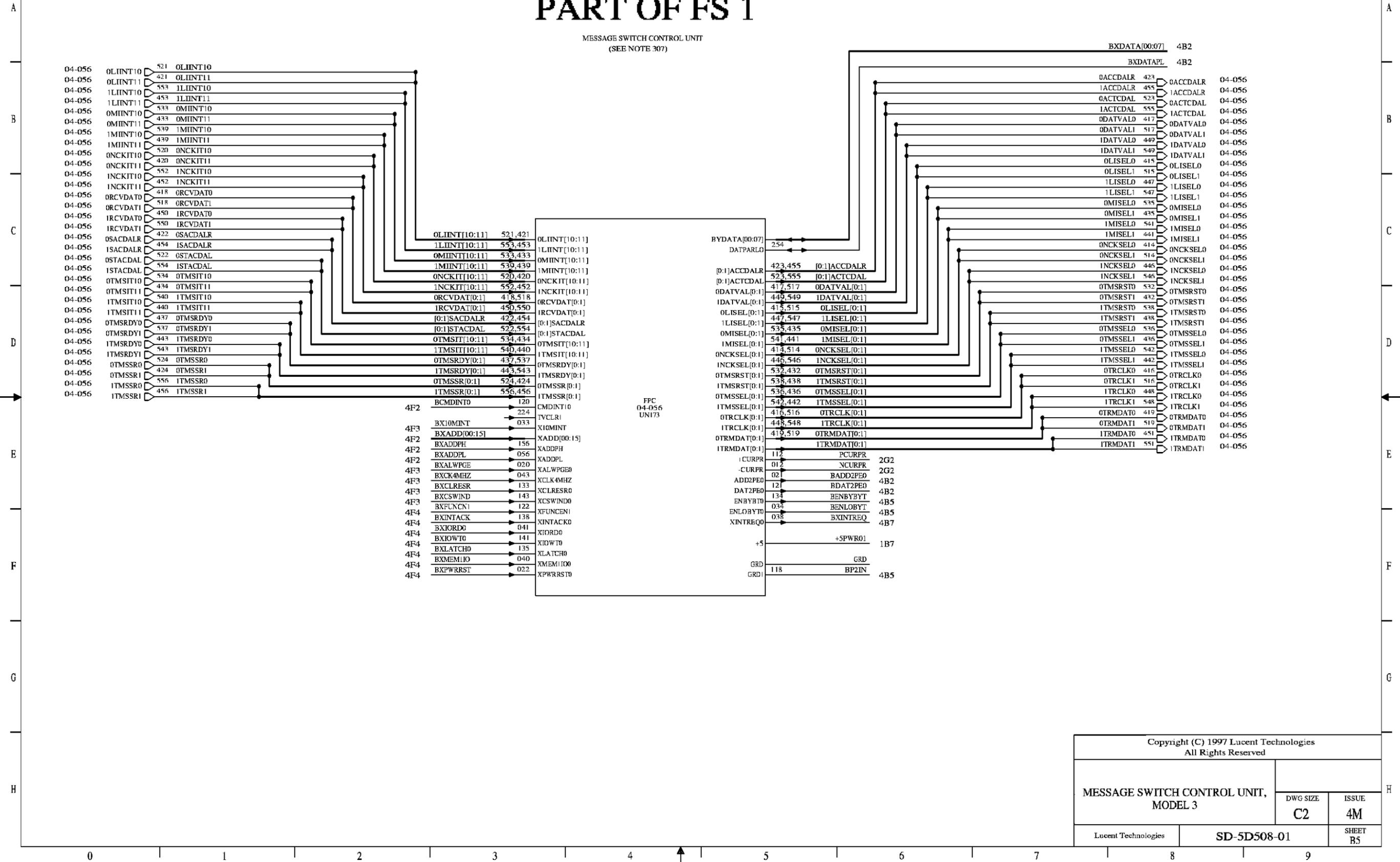
MESSAGE SWITCH CONTROL UNIT
(SEE NOTE 307)



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET B1

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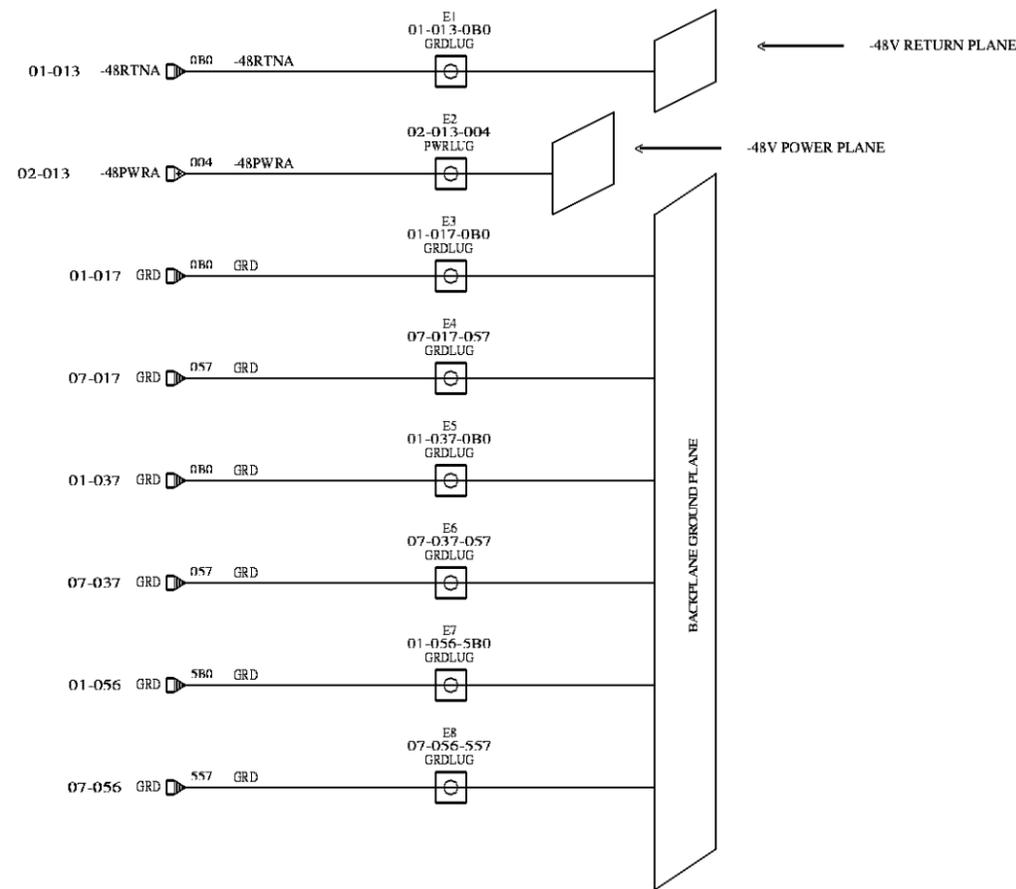
MESSAGE SWITCH CONTROL UNIT
(SEE NOTE 307)



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MESSAGE SWITCH CONTROL UNIT, MODEL 3		DWG SIZE C2
Lucent Technologies		ISSUE 4M
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POWER AND GROUND LUGS



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
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PART OF FS 1

MESSAGE SWITCH CONTROL UNIT

IOMI A
COMMUNITY 1

SCAN / DISTRIBUTE

04-006

AOOSR 033 AOOSR
 AOOSR 046 AOOSR
 ARQIP3BR 034 ARQIP3BR
 ARQIP3BR 047 ARQIP3BR
 ASCWR0 052 ASCWR0
 ASCWR1 039 ASCWR1
 ASCX3B0R 049 ASCX3B0R
 ASCX3B1R 036 ASCX3B1R
 ASCY3BR0 048 ASCY3BR0
 ASCY3BR1 035 ASCY3BR1
 BDGNRTN 020 BDGNRTN
 BDGNRTN 017 BDGNRTN
 BOOSR 037 BOOSR
 BOOSR 050 BOOSR
 BRQIP3BR 051 BRQIP3BR
 BRQIP3BR 038 BRQIP3BR
 BSCWR0 055 BSCWR0
 BSCWR1 042 BSCWR1
 BSCX3B0R 054 BSCX3B0R
 BSCX3B1R 041 BSCX3B1R
 BSCY3BR0 053 BSCY3BR0
 BSCY3BR1 040 BSCY3BR1
 MANRTN0 019 MANRTN0
 MANRTN0 024 MANRTN0
 MANRTN1 023 MANRTN1
 MANRTN1 016 MANRTN1

04-036

+5PWR01 006 +5PWR01
 ACSAO 016 ACSAO
 AERRO 007 AERRO
 BCSAO 017 BCSAO
 BERR0 008 BERR0
 BSR0 022 BSR0
 GRD 000 GRD
 GRD 001 GRD
 GRD 002 GRD
 GRD 003 GRD
 GRD 004 GRD
 GRD 005 GRD
 GRD 009 GRD
 GRD 010 GRD
 GRD 011 GRD
 GRD 013 GRD
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 GRD 018 GRD
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 GRD 024 GRD
 INITPCO 020 INITPCO
 SISOLO 021 SISOLO

04-038

BINTR0 022 BINTR0
 DMAAD011 003 DMAAD011
 DMAAD031 004 DMAAD031
 DMAAD051 005 DMAAD051
 DMAAD071 006 DMAAD071
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 DMAAD131 009 DMAAD131
 DMAAD151 010 DMAAD151
 DMADA11 016 DMADA11
 DMADA31 017 DMADA31
 DMADA51 018 DMADA51
 DMADA71 019 DMADA71
 GRD 000 GRD
 GRD 001 GRD
 GRD 002 GRD
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 GRD 024 GRD

04-007

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 AMPFOY 048 AMPFOY
 AMPFIY 035 AMPFIY
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 AOS3B 046 AOS3B
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 ARQIP3B 047 ARQIP3B
 ASCW3B0 052 ASCW3B0
 ASCW3B1 039 ASCW3B1
 ASCX3B0 049 ASCX3B0
 ASCX3B1 036 ASCX3B1
 BDGN3B 017 BDGN3B
 BDGN3B 020 BDGN3B
 BMPFOY 053 BMPFOY
 BMPFIY 040 BMPFIY
 BOOS3B 050 BOOS3B
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 MANOVR1 016 MANOVR1
 MANOVR1 023 MANOVR1

04-037

APCSELO 003 APCSELO
 ASR0 022 ASR0
 BPCSELO 004 BPCSELO
 CMDINT0 020 CMDINT0
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 DMARD0 017 DMARD0
 DMAREQ0 019 DMAREQ0
 DMAWTO 016 DMAWTO
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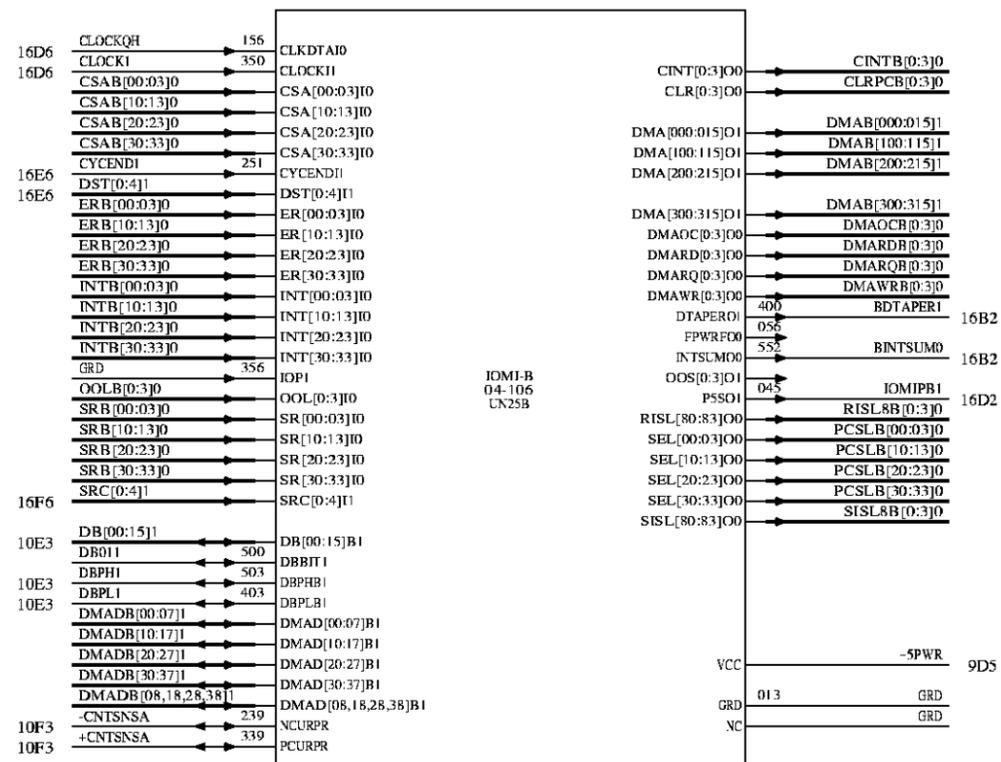
04-039

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 GRD 024 GRD

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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET B7

PART OF FS 2

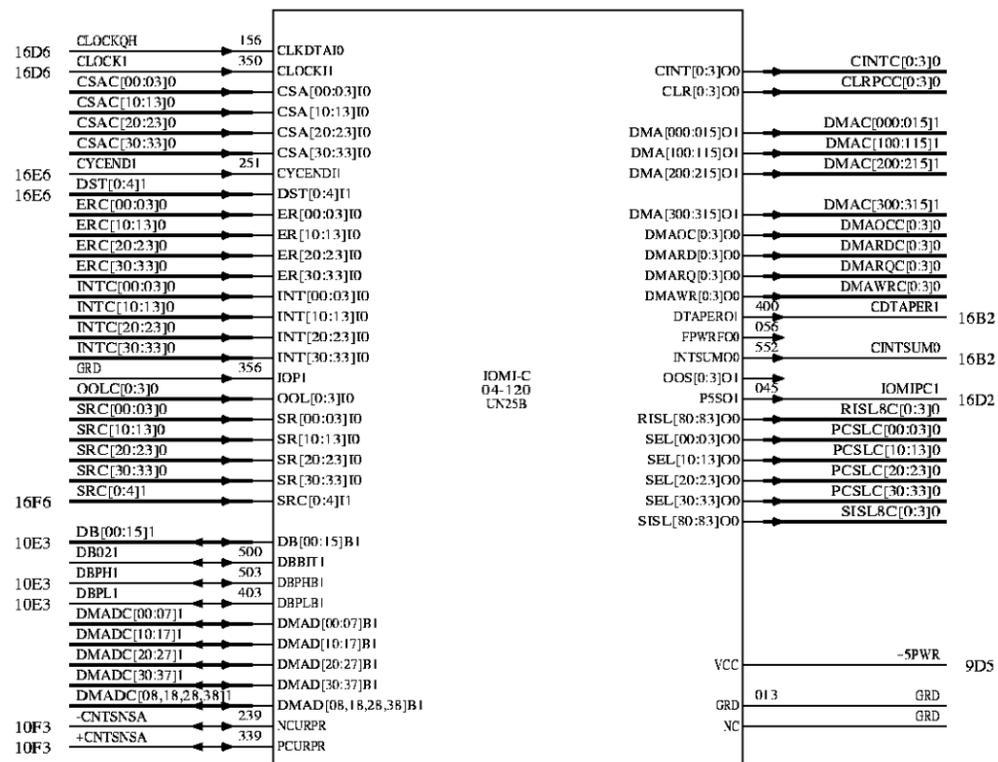
MESSAGE SWITCH CONTROL UNIT
(SEE NOTE 307)



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET B11

PART OF FS 2

MESSAGE SWITCH CONTROL UNIT
(SEE NOTE 307)

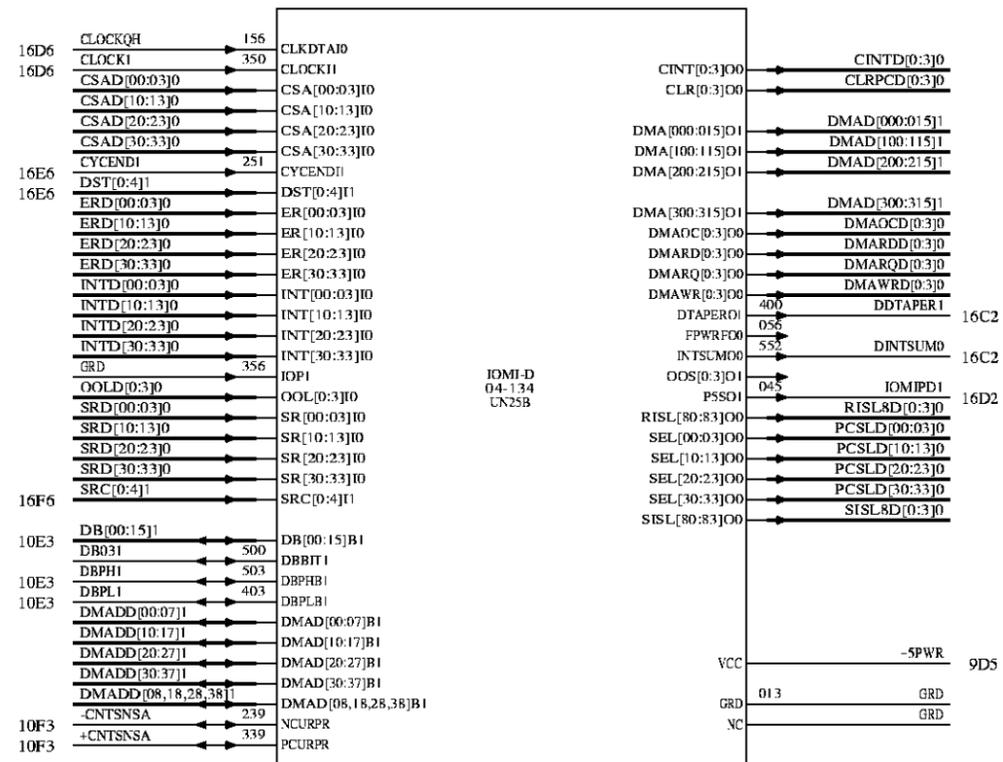


IOMI-C
04-120
UN25B

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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET B12

PART OF FS 2

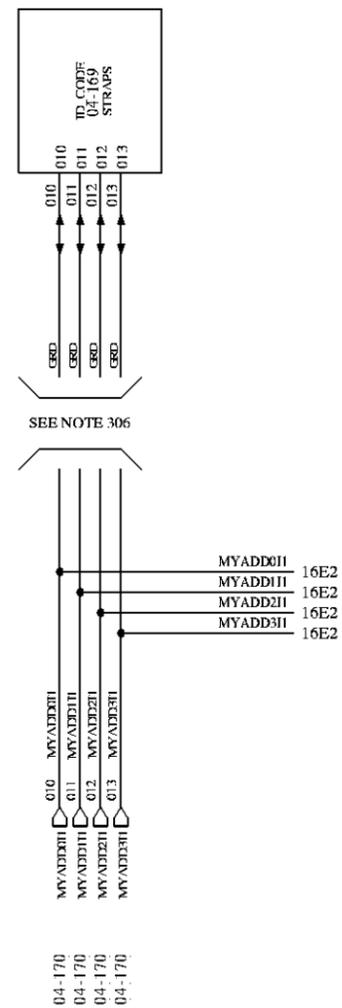
MESSAGE SWITCH CONTROL UNIT
(SEE NOTE 307)



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET B13

PART OF FS 2

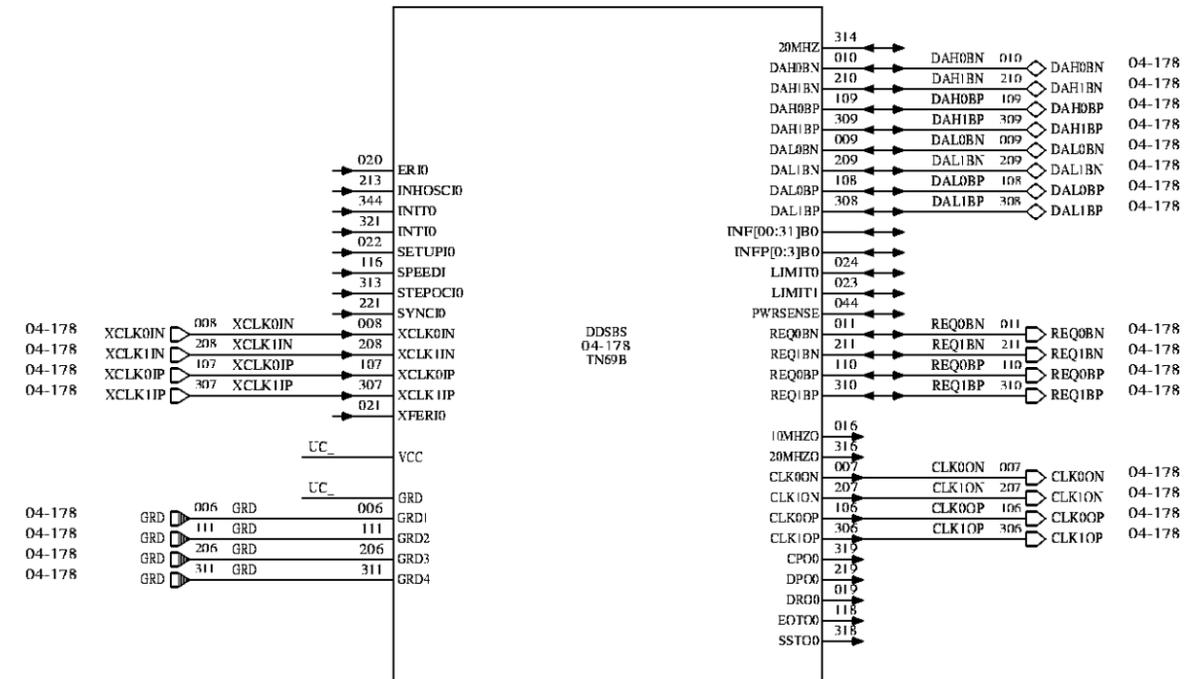
MESSAGE SWITCH CONTROL UNIT



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET B14

PART OF FS 2

MESSAGE SWITCH CONTROL UNIT

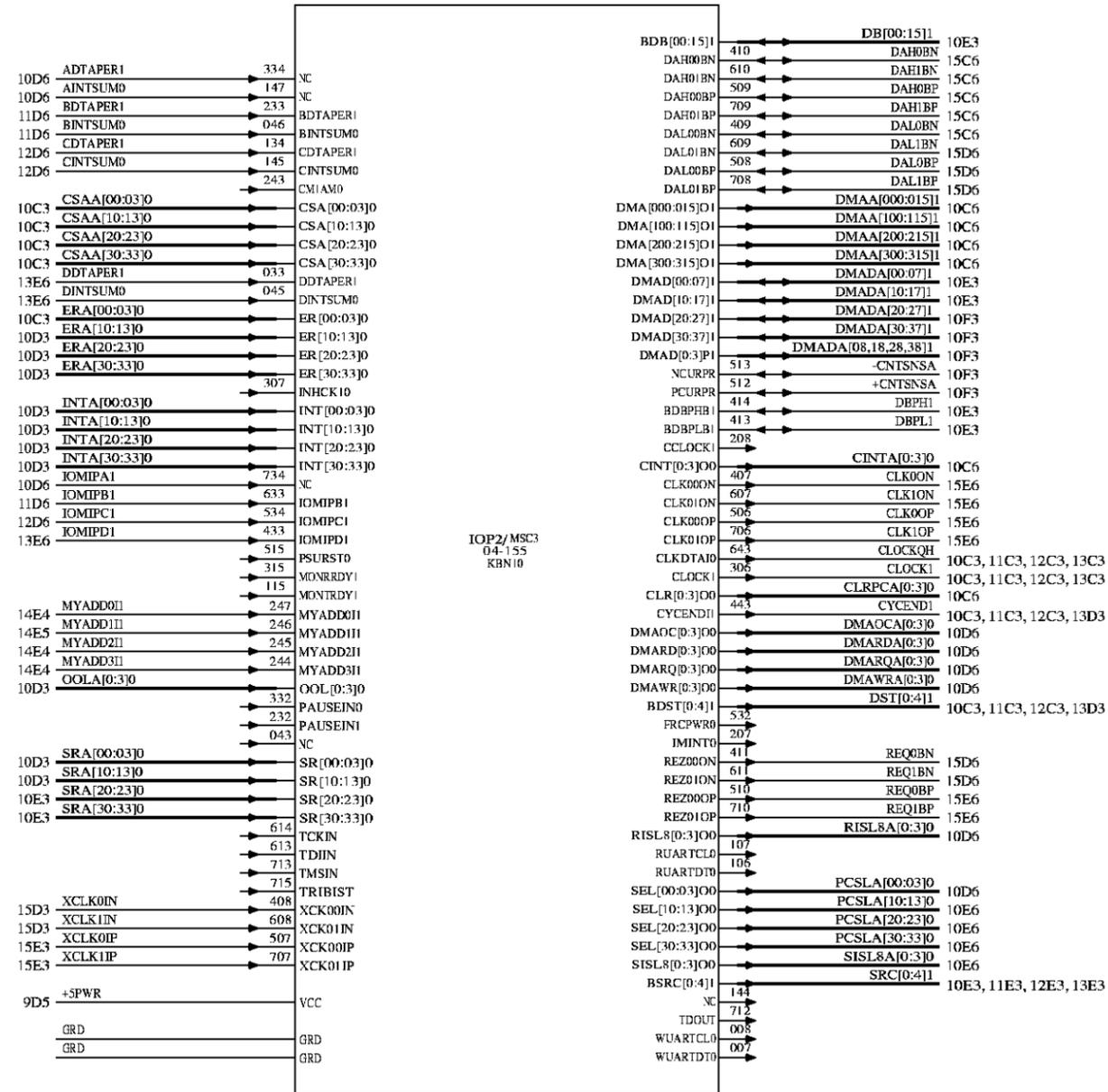


THE TN69B CIRCUIT PACK DOES NOT EXIST IN THIS DESIGN.
THIS BACKPLANE POSITION IS BEING MAINTAINED AS A
TERMINATION FIELD FOR THE DSCH CABLES. THIS KEEPS
BOTH CABLING POSITION AND LENGTHS IDENTICAL FOR MSCU2 & 3.

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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET B15

PART OF FS 2

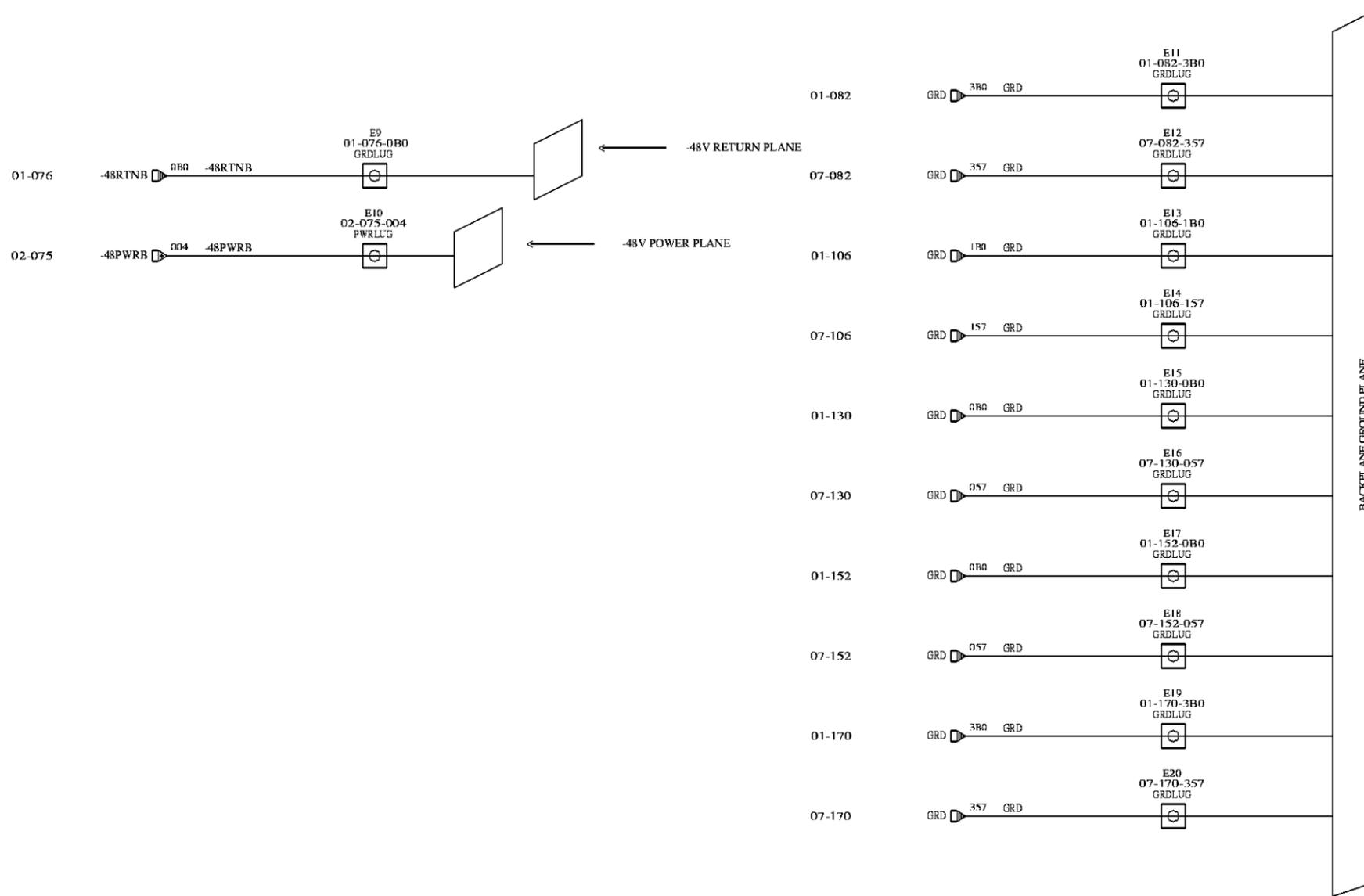
MESSAGE SWITCH CONTROL UNIT
(SEE NOTE 307)



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET B16

PART OF FS 2

POWER AND GROUND LUGS



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET B17

PART OF FS 2

MESSAGE SWITCH CONTROL UNIT

IOMT A
COMMUNITY 0

IOMT A
COMMUNITY 1

IOMT A
COMMUNITY 2

04-086

CLRPCA00 020 CLRPCA00
CSAA000 016 CSAA000
CSAA010 017 CSAA010
CSAA020 018 CSAA020
CSAA030 019 CSAA030
DMAA001 035 DMAA001
DMAA003 036 DMAA003
DMAA005 037 DMAA005
DMAA007 038 DMAA007
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INTA010 054 INTA010
INTA030 055 INTA030
OOLA00 006 OOLA00
SISL8A00 021 SISL8A00
SRA010 022 SRA010
SRA030 023 SRA030

04-087

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INTA020 055 INTA020
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PCSLA010 004 PCSLA010
PCSLA020 005 PCSLA020
PCSLA030 006 PCSLA030
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SRA000 022 SRA000
SRA020 023 SRA020

04-088

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CSAA130 019 CSAA130
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DMAA1100 590 DMAA1100
DMAA1101 591 DMAA1101
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DMAA1103 593 DMAA1103
DMAA1104 594 DMAA1104
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DMAA1120 610 DMAA1120
DMAA1121 611 DMAA1121
DMAA1122 612 DMAA1122
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DMAA1129 619 DMAA1129
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DMAA1189 679 DMAA1189
DMAA1190 680 DMAA1190
DMAA1191 681 DMAA1191
DMAA1192 682 DMAA1192
DMAA1193 683 DMAA1193

PART OF FS 2

MESSAGE SWITCH CONTROL UNIT

IOMI A
COMMUNITY 2

IOMI A
COMMUNITY 3

IOMI B
COMMUNITY 4

- 04-099**
- CINTA20 020 CINTA20
 - DMAA2001 035 DMAA2001
 - DMAA2021 036 DMAA2021
 - DMAA2041 037 DMAA2041
 - DMAA2061 038 DMAA2061
 - DMAA2081 039 DMAA2081
 - DMAA2101 040 DMAA2101
 - DMAA2121 041 DMAA2121
 - DMAA2141 042 DMAA2141
 - DMADA201 048 DMADA201
 - DMADA221 049 DMADA221
 - DMADA241 050 DMADA241
 - DMADA261 051 DMADA261
 - DMADA281 052 DMADA281
 - DMAOCA20 018 DMAOCA20
 - DMARDA20 017 DMARDA20
 - DMARQA20 019 DMARQA20
 - DMAWRA20 016 DMAWRA20
 - GRD 000 GRD
 - GRD 001 GRD
 - GRD 002 GRD
 - GRD 007 GRD
 - GRD 008 GRD
 - GRD 009 GRD
 - GRD 010 GRD
 - GRD 011 GRD
 - GRD 013 GRD
 - GRD 014 GRD
 - GRD 015 GRD
 - GRD 024 GRD
 - GRD 032 GRD
 - GRD 033 GRD
 - GRD 034 GRD
 - GRD 043 GRD
 - GRD 045 GRD
 - GRD 046 GRD
 - GRD 047 GRD
 - GRD 053 GRD
 - GRD 056 GRD
 - INTA200 054 INTA200
 - INTA220 055 INTA220
 - PCSLA200 003 PCSLA200
 - PCSLA210 004 PCSLA210
 - PCSLA220 005 PCSLA220
 - PCSLA230 006 PCSLA230
 - RISLA20 021 RISLA20
 - SRA200 022 SRA200
 - SRA220 023 SRA220

- 04-100**
- CLRPCA30 020 CLRPCA30
 - CSAA300 016 CSAA300
 - CSAA310 017 CSAA310
 - CSAA320 018 CSAA320
 - CSAA330 019 CSAA330
 - DMAA3011 035 DMAA3011
 - DMAA3031 036 DMAA3031
 - DMAA3051 037 DMAA3051
 - DMAA3071 038 DMAA3071
 - DMAA3091 039 DMAA3091
 - DMAA3111 040 DMAA3111
 - DMAA3131 041 DMAA3131
 - DMAA3151 042 DMAA3151
 - DMADA311 048 DMADA311
 - DMADA331 049 DMADA331
 - DMADA351 050 DMADA351
 - DMADA371 051 DMADA371
 - ERA300 007 ERA300
 - ERA310 008 ERA310
 - ERA320 009 ERA320
 - ERA330 010 ERA330
 - GRD 000 GRD
 - GRD 001 GRD
 - GRD 002 GRD
 - GRD 003 GRD
 - GRD 004 GRD
 - GRD 005 GRD
 - GRD 011 GRD
 - GRD 013 GRD
 - GRD 014 GRD
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 - GRD 024 GRD
 - GRD 032 GRD
 - GRD 033 GRD
 - GRD 034 GRD
 - GRD 043 GRD
 - GRD 045 GRD
 - GRD 046 GRD
 - GRD 047 GRD
 - GRD 048 GRD
 - GRD 052 GRD
 - GRD 053 GRD
 - GRD 056 GRD
 - INTA310 054 INTA310
 - INTA330 055 INTA330
 - OOLA30 006 OOLA30
 - SISLA30 021 SISLA30
 - SRA310 022 SRA310
 - SRA330 023 SRA330

- 04-101**
- CINTA30 020 CINTA30
 - DMAA3001 035 DMAA3001
 - DMAA3021 036 DMAA3021
 - DMAA3041 037 DMAA3041
 - DMAA3061 038 DMAA3061
 - DMAA3081 039 DMAA3081
 - DMAA3101 040 DMAA3101
 - DMAA3121 041 DMAA3121
 - DMAA3141 042 DMAA3141
 - DMADA301 048 DMADA301
 - DMADA321 049 DMADA321
 - DMADA341 050 DMADA341
 - DMADA361 051 DMADA361
 - DMADA381 052 DMADA381
 - DMAOCA30 018 DMAOCA30
 - DMARDA30 017 DMARDA30
 - DMARQA30 019 DMARQA30
 - DMAWRA30 016 DMAWRA30
 - GRD 000 GRD
 - GRD 001 GRD
 - GRD 002 GRD
 - GRD 007 GRD
 - GRD 008 GRD
 - GRD 009 GRD
 - GRD 010 GRD
 - GRD 011 GRD
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 - GRD 034 GRD
 - GRD 043 GRD
 - GRD 045 GRD
 - GRD 046 GRD
 - GRD 047 GRD
 - GRD 053 GRD
 - GRD 056 GRD
 - GRD 054 INTA300
 - INTA300 055 INTA300
 - INTA320 055 INTA320
 - PCSLA300 003 PCSLA300
 - PCSLA310 004 PCSLA310
 - PCSLA320 005 PCSLA320
 - PCSLA330 006 PCSLA330
 - RISLA30 021 RISLA30
 - SRA300 022 SRA300
 - SRA320 023 SRA320

- 04-102**
- CLRPCR00 020 CLRPCR00
 - CSAB000 016 CSAB000
 - CSAB010 017 CSAB010
 - CSAB020 018 CSAB020
 - CSAB030 019 CSAB030
 - DMAB0011 035 DMAB0011
 - DMAB0031 036 DMAB0031
 - DMAB0051 037 DMAB0051
 - DMAB0071 038 DMAB0071
 - DMAB0091 039 DMAB0091
 - DMAB0111 040 DMAB0111
 - DMAB0131 041 DMAB0131
 - DMAB0151 042 DMAB0151
 - DMADB011 048 DMADB011
 - DMADB031 049 DMADB031
 - DMADB051 050 DMADB051
 - DMADB071 051 DMADB071
 - ERB000 007 ERB000
 - ERB010 008 ERB010
 - ERB020 009 ERB020
 - ERB030 010 ERB030
 - GRD 000 GRD
 - GRD 001 GRD
 - GRD 002 GRD
 - GRD 003 GRD
 - GRD 004 GRD
 - GRD 005 GRD
 - GRD 011 GRD
 - GRD 013 GRD
 - GRD 014 GRD
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 - GRD 033 GRD
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 - GRD 043 GRD
 - GRD 045 GRD
 - GRD 046 GRD
 - GRD 047 GRD
 - GRD 048 GRD
 - GRD 052 GRD
 - GRD 053 GRD
 - GRD 056 GRD
 - INTB010 054 INTB010
 - INTB030 055 INTB030
 - OOLB00 006 OOLB00
 - SISLB00 021 SISLB00
 - SRB010 022 SRB010
 - SRB030 023 SRB030

- 04-103**
- CINTB00 020 CINTB00
 - DMAB0001 035 DMAB0001
 - DMAB0021 036 DMAB0021
 - DMAB0041 037 DMAB0041
 - DMAB0061 038 DMAB0061
 - DMAB0081 039 DMAB0081
 - DMAB0101 040 DMAB0101
 - DMAB0121 041 DMAB0121
 - DMAB0141 042 DMAB0141
 - DMADB001 048 DMADB001
 - DMADB021 049 DMADB021
 - DMADB041 050 DMADB041
 - DMADB061 051 DMADB061
 - DMADB081 052 DMADB081
 - DMAOCB00 018 DMAOCB00
 - DMARDB00 017 DMARDB00
 - DMARQB00 019 DMARQB00
 - DMAWRB00 016 DMAWRB00
 - GRD 000 GRD
 - GRD 001 GRD
 - GRD 002 GRD
 - GRD 007 GRD
 - GRD 008 GRD
 - GRD 009 GRD
 - GRD 010 GRD
 - GRD 011 GRD
 - GRD 013 GRD
 - GRD 014 GRD
 - GRD 015 GRD
 - GRD 024 GRD
 - GRD 032 GRD
 - GRD 033 GRD
 - GRD 034 GRD
 - GRD 043 GRD
 - GRD 045 GRD
 - GRD 046 GRD
 - GRD 047 GRD
 - GRD 053 GRD
 - GRD 056 GRD
 - GRD 054 INTB000
 - INTB000 055 INTB000
 - INTB020 055 INTB020
 - PCSLB000 003 PCSLB000
 - PCSLB010 004 PCSLB010
 - PCSLB020 005 PCSLB020
 - PCSLB030 006 PCSLB030
 - RISLB00 021 RISLB00
 - SRB000 022 SRB000
 - SRB020 023 SRB020

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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET B19

PART OF FS 2

MESSAGE SWITCH CONTROL UNIT

IOMI B
COMMUNITY 5

IOMI B
COMMUNITY 6

IOMI B
COMMUNITY 7

04-104

CLRPCB10 020 CLRPCB10
CSAB100 016 CSAB100
CSAB110 017 CSAB110
CSAB120 018 CSAB120
CSAB130 019 CSAB130
DMAB101 035 DMAB101
DMAB103 036 DMAB103
DMAB105 037 DMAB105
DMAB107 038 DMAB107
DMAB109 039 DMAB109
DMAB111 040 DMAB111
DMAB113 041 DMAB113
DMAB115 042 DMAB115
DMADB11 048 DMADB11
DMADB13 049 DMADB13
DMADB15 050 DMADB15
DMADB17 051 DMADB17
ERB100 007 ERB100
ERB110 008 ERB110
ERB120 009 ERB120
ERB130 010 ERB130
GRD 000 GRD
GRD 001 GRD
GRD 002 GRD
GRD 003 GRD
GRD 004 GRD
GRD 005 GRD
GRD 011 GRD
GRD 013 GRD
GRD 014 GRD
GRD 015 GRD
GRD 024 GRD
GRD 032 GRD
GRD 033 GRD
GRD 034 GRD
GRD 043 GRD
GRD 045 GRD
GRD 046 GRD
GRD 047 GRD
GRD 052 GRD
GRD 053 GRD
GRD 056 GRD
INTB110 054 INTB110
INTB130 055 INTB130
OOLB10 006 OOLB10
SISL8B10 021 SISL8B10
SRB110 022 SRB110
SRB130 023 SRB130

04-105

CINTB10 020 CINTB10
DMAB100 035 DMAB100
DMAB102 036 DMAB102
DMAB104 037 DMAB104
DMAB106 038 DMAB106
DMAB108 039 DMAB108
DMAB110 040 DMAB110
DMAB112 041 DMAB112
DMAB114 042 DMAB114
DMAB201 048 DMAB201
DMADB10 049 DMADB10
DMADB12 050 DMADB12
DMADB14 051 DMADB14
DMADB16 052 DMADB16
DMADB18 018 DMAOCB10
DMAOCB10 017 DMADB18
DMARDB10 019 DMARDB10
DMARQB10 016 DMAWRB10
DMAWRB10
GRD 001 GRD
GRD 002 GRD
GRD 007 GRD
GRD 008 GRD
GRD 009 GRD
GRD 010 GRD
GRD 011 GRD
GRD 013 GRD
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GRD 034 GRD
GRD 043 GRD
GRD 045 GRD
GRD 046 GRD
GRD 047 GRD
GRD 053 GRD
GRD 054 INTB100
INTB100 055 INTB120
INTB120 003 PCSLB100
PCSLB100 004 PCSLB110
PCSLB110 005 PCSLB120
PCSLB120 006 PCSLB130
PCSLB130 021 RISL8B10
RISL8B10 022 SRB100
SRB100 023 SRB120
SRB120

04-112

CLRPCB20 020 CLRPCB20
CSAB200 016 CSAB200
CSAB210 017 CSAB210
CSAB220 018 CSAB220
CSAB230 019 CSAB230
DMAB201 035 DMAB201
DMAB203 036 DMAB203
DMAB205 037 DMAB205
DMAB207 038 DMAB207
DMAB209 039 DMAB209
DMAB211 040 DMAB211
DMAB213 041 DMAB213
DMAB215 042 DMAB215
DMAB217 048 DMAB217
DMAB219 049 DMAB219
DMAB221 050 DMAB221
DMAB223 051 DMAB223
DMAB225 007 ERB200
DMAB227 008 ERB210
ERB200 009 ERB220
ERB210 010 ERB230
ERB220 000 GRD
ERB230 001 GRD
GRD 002 GRD
GRD 007 GRD
GRD 008 GRD
GRD 009 GRD
GRD 010 GRD
GRD 011 GRD
GRD 013 GRD
GRD 014 GRD
GRD 015 GRD
GRD 024 GRD
GRD 032 GRD
GRD 034 GRD
GRD 043 GRD
GRD 045 GRD
GRD 046 GRD
GRD 047 GRD
GRD 052 GRD
GRD 053 GRD
GRD 056 GRD
INTB210 054 INTB210
INTB230 055 INTB230
OOLB20 006 OOLB20
SISL8B20 021 SISL8B20
SRB210 022 SRB210
SRB230 023 SRB230

04-113

CINTB20 020 CINTB20
DMAB200 035 DMAB200
DMAB202 036 DMAB202
DMAB204 037 DMAB204
DMAB206 038 DMAB206
DMAB208 039 DMAB208
DMAB210 040 DMAB210
DMAB212 041 DMAB212
DMAB214 042 DMAB214
DMADB20 048 DMADB20
DMADB22 049 DMADB22
DMADB24 050 DMADB24
DMADB26 051 DMADB26
DMADB28 018 DMAOCB20
DMAOCB20 017 DMADB28
DMARDB20 019 DMARDB20
DMARQB20 016 DMAWRB20
DMAWRB20
GRD 001 GRD
GRD 002 GRD
GRD 007 GRD
GRD 008 GRD
GRD 009 GRD
GRD 010 GRD
GRD 011 GRD
GRD 013 GRD
GRD 014 GRD
GRD 015 GRD
GRD 024 GRD
GRD 032 GRD
GRD 034 GRD
GRD 043 GRD
GRD 045 GRD
GRD 046 GRD
GRD 047 GRD
GRD 053 GRD
GRD 054 INTB200
INTB200 055 INTB220
INTB220 003 PCSLB200
PCSLB200 004 PCSLB210
PCSLB210 005 PCSLB220
PCSLB220 006 PCSLB230
PCSLB230 021 RISL8B20
RISL8B20 022 SRB200
SRB200 023 SRB220
SRB220

04-114

CLRPCB30 020 CLRPCB30
CSAB300 016 CSAB300
CSAB310 017 CSAB310
CSAB320 018 CSAB320
CSAB330 019 CSAB330
DMAB301 035 DMAB301
DMAB303 036 DMAB303
DMAB305 037 DMAB305
DMAB307 038 DMAB307
DMAB309 039 DMAB309
DMAB311 040 DMAB311
DMAB313 041 DMAB313
DMAB315 042 DMAB315
DMAB317 048 DMAB317
DMAB319 049 DMAB319
DMAB321 050 DMAB321
DMAB323 051 DMAB323
DMAB325 007 ERB300
DMAB327 008 ERB310
ERB300 009 ERB320
ERB310 010 ERB330
ERB320 000 GRD
ERB330 001 GRD
GRD 002 GRD
GRD 007 GRD
GRD 008 GRD
GRD 009 GRD
GRD 010 GRD
GRD 011 GRD
GRD 013 GRD
GRD 014 GRD
GRD 015 GRD
GRD 024 GRD
GRD 032 GRD
GRD 034 GRD
GRD 043 GRD
GRD 045 GRD
GRD 046 GRD
GRD 047 GRD
GRD 052 GRD
GRD 053 GRD
GRD 056 GRD
INTB310 054 INTB310
INTB330 055 INTB330
OOLB30 006 OOLB30
SISL8B30 021 SISL8B30
SRB310 022 SRB310
SRB330 023 SRB330

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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET B20

PART OF FS 2

MESSAGE SWITCH CONTROL UNIT

IOMI B
COMMUNITY 7

IOMI C
COMMUNITY 8

IOMI C
COMMUNITY 9

04-115

CINTB30 020 CINTB30
DMAB3001 035 DMAB3001
DMAB3021 036 DMAB3021
DMAB3041 037 DMAB3041
DMAB3061 038 DMAB3061
DMAB3081 039 DMAB3081
DMAB3101 040 DMAB3101
DMAB3121 041 DMAB3121
DMAB3141 042 DMAB3141
DMADB301 048 DMADB301
DMADB321 049 DMADB321
DMADB341 050 DMADB341
DMADB361 051 DMADB361
DMADB381 052 DMADB381
DMAOCB30 018 DMAOCB30
DMARDB30 017 DMARDB30
DMARQB30 019 DMARQB30
DMAWRB30 016 DMAWRB30
GRD 000 GRD
GRD 001 GRD
GRD 002 GRD
GRD 007 GRD
GRD 008 GRD
GRD 009 GRD
GRD 010 GRD
GRD 011 GRD
GRD 013 GRD
GRD 014 GRD
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GRD 034 GRD
GRD 043 GRD
GRD 045 GRD
GRD 046 GRD
GRD 047 GRD
GRD 053 GRD
GRD 056 GRD
INTB300 054 INTB300
INTB320 055 INTB320
PCSLB300 003 PCSLB300
PCSLB310 004 PCSLB310
PCSLB320 005 PCSLB320
PCSLB330 006 PCSLB330
RISL8B30 021 RISL8B30
SRB300 022 SRB300
SRB320 023 SRB320

04-116

CLRPPC00 020 CLRPPC00
CSAC000 016 CSAC000
CSAC010 017 CSAC010
CSAC020 018 CSAC020
CSAC030 019 CSAC030
DMAC0011 035 DMAC0011
DMAC0031 036 DMAC0031
DMAC0051 037 DMAC0051
DMAC0071 038 DMAC0071
DMAC0091 039 DMAC0091
DMAC0111 040 DMAC0111
DMAC0131 041 DMAC0131
DMAC0151 042 DMAC0151
DMAC0171 043 DMAC0171
DMAC0191 044 DMAC0191
DMAC0211 045 DMAC0211
DMAC0231 046 DMAC0231
DMAC0251 047 DMAC0251
DMAC0271 048 DMAC0271
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DMAC0371 053 DMAC0371
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DMAC0851 077 DMAC0851
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DMAC0991 084 DMAC0991
DMAC1011 085 DMAC1011
DMAC1031 086 DMAC1031
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DMAC1911 130 DMAC1911
DMAC1931 131 DMAC1931
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DMAC1971 133 DMAC1971
DMAC1991 134 DMAC1991
DMAC2011 135 DMAC2011
DMAC2031 136 DMAC2031
DMAC2051 137 DMAC2051
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MESSAGE SWITCH CONTROL UNIT

IOMI C
COMMUNITY 10

IOMI C
COMMUNITY 11

IOMI D
COMMUNITY 12

04-126

CLRPCC20 020 CLRPPC20
 CSAC200 016 CSAC200
 CSAC210 017 CSAC210
 CSAC220 018 CSAC220
 CSAC230 019 CSAC230
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 ERC230 010 ERC230
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 INTC230 055 INTC230
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 SISL8C20 021 SISL8C20
 SRC210 022 SRC210
 SRC230 023 SRC230

04-127

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 PCSLC220 005 PCSLC220
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04-128

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 SRC330 023 SRC330

04-129

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04-130

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 SRD010 022 SRD010
 SRD030 023 SRD030

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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET B22

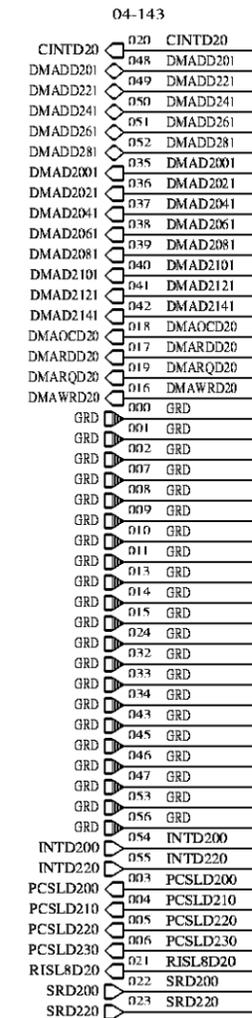
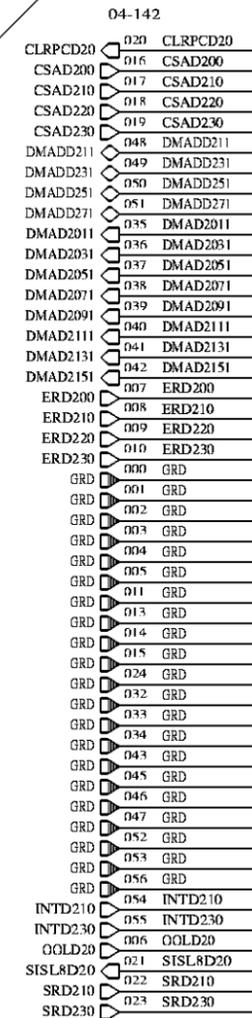
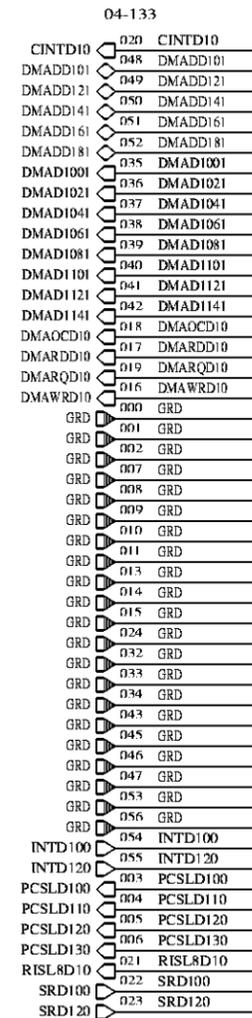
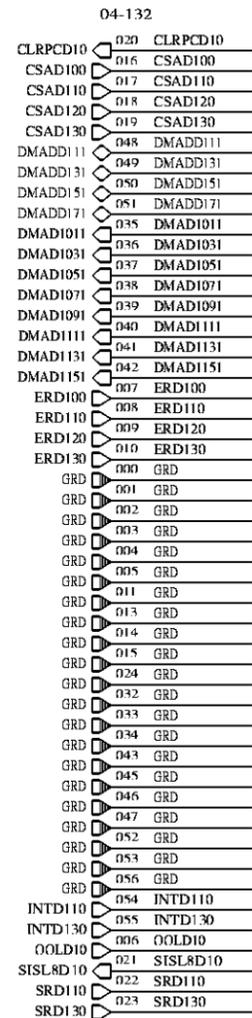
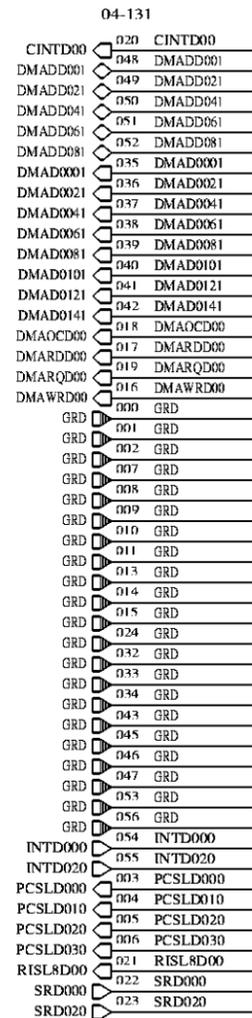
PART OF FS 2

MESSAGE SWITCH CONTROL UNIT

IOMI D
COMMUNITY 12

IOMI D
COMMUNITY 13

IOMI D
COMMUNITY 14



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET B23

PART OF FS 2

MESSAGE SWITCH CONTROL UNIT

IOMI D

COMMUNITY 15

04-144

- CLRPCD30 020 CLRPCD30
- CSAD300 016 CSAD300
- CSAD310 017 CSAD310
- CSAD320 018 CSAD320
- CSAD330 019 CSAD330
- DMADD311 048 DMADD311
- DMADD331 049 DMADD331
- DMADD351 050 DMADD351
- DMADD371 051 DMADD371
- DMAD3011 035 DMAD3011
- DMAD3031 036 DMAD3031
- DMAD3051 037 DMAD3051
- DMAD3071 038 DMAD3071
- DMAD3091 039 DMAD3091
- DMAD3111 040 DMAD3111
- DMAD3131 041 DMAD3131
- DMAD3151 042 DMAD3151
- ERD300 007 ERD300
- ERD310 008 ERD310
- ERD320 009 ERD320
- ERD330 010 ERD330
- GRD 000 GRD
- GRD 001 GRD
- GRD 002 GRD
- GRD 003 GRD
- GRD 004 GRD
- GRD 005 GRD
- GRD 011 GRD
- GRD 013 GRD
- GRD 014 GRD
- GRD 015 GRD
- GRD 024 GRD
- GRD 032 GRD
- GRD 033 GRD
- GRD 034 GRD
- GRD 043 GRD
- GRD 045 GRD
- GRD 046 GRD
- GRD 047 GRD
- GRD 052 GRD
- GRD 053 GRD
- GRD 056 GRD
- INTD310 054 INTD310
- INTD330 055 INTD330
- OOD30 006 OOD30
- SISL8D30 021 SISL8D30
- SRD310 022 SRD310
- SRD330 023 SRD330

04-145

- CINTD30 020 CINTD30
- DMADD301 048 DMADD301
- DMADD321 049 DMADD321
- DMADD341 050 DMADD341
- DMADD361 051 DMADD361
- DMADD381 052 DMADD381
- DMAD3001 035 DMAD3001
- DMAD3021 036 DMAD3021
- DMAD3041 037 DMAD3041
- DMAD3061 038 DMAD3061
- DMAD3081 039 DMAD3081
- DMAD3101 040 DMAD3101
- DMAD3121 041 DMAD3121
- DMAD3141 042 DMAD3141
- DMAOCD30 018 DMAOCD30
- DMARDD30 017 DMARDD30
- DMARQD30 019 DMARQD30
- DMAWRD30 016 DMAWRD30
- GRD 000 GRD
- GRD 001 GRD
- GRD 002 GRD
- GRD 007 GRD
- GRD 008 GRD
- GRD 009 GRD
- GRD 010 GRD
- GRD 011 GRD
- GRD 013 GRD
- GRD 014 GRD
- GRD 015 GRD
- GRD 024 GRD
- GRD 032 GRD
- GRD 033 GRD
- GRD 034 GRD
- GRD 043 GRD
- GRD 045 GRD
- GRD 046 GRD
- GRD 047 GRD
- GRD 053 GRD
- GRD 056 GRD
- INTD300 054 INTD300
- INTD320 055 INTD320
- PCSLD300 003 PCSLD300
- PCSLD310 004 PCSLD310
- PCSLD320 005 PCSLD320
- PCSLD330 006 PCSLD330
- RISL8D30 021 RISL8D30
- SRD300 022 SRD300
- SRD320 023 SRD320

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	C2	4M
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APP FIG. 1

OPT DESIG LOC CODE
 WIRING AS PER FS 1 & 2.

APP FIG. 2

<u>PACK, CIRCUIT</u>			
<u>DESIG</u>	<u>EQL</u>	<u>LOC</u>	<u>CODE</u>
FPCPPCCO	04-008	1E2	SN516B
FPCPPCCO	04-008	1E2	SN516C
PWRCONV	04-024	1E7	495FB
MSPP-32	04-032	1E4	TN856C
PPC	04-040	3D4	TN886
MSPP-42	04-048	4D4	TN856C
FPC	04-056	5D4	UN173
C&D	04-066	8D4	SN516B
C&D	04-066	8D4	SN516C
PWRCONV2	04-082	9F4	495FB
IOP2/MS3	04-155	16D4	KBN10

APP FIG. 3

<u>PACK, CIRCUIT</u>			
<u>DESIG</u>	<u>EQL</u>	<u>LOC</u>	<u>CODE</u>
IOMI-B	04-106	11D4	UN25B

APP FIG. 4

<u>PACK, CIRCUIT</u>			
<u>DESIG</u>	<u>EQL</u>	<u>LOC</u>	<u>CODE</u>
IOMI-C	04-120	12D4	UN25B

APP FIG. 5

<u>PACK, CIRCUIT</u>			
<u>DESIG</u>	<u>EQL</u>	<u>LOC</u>	<u>CODE</u>
IOMI-D	04-134	13E4	UN25B

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	C2	4M
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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
MSCU3	7.5	-48VB	UNIT
FPC & PPC	5	-48VA	UNIT
<u>BATTERY SYMBOL</u>		<u>VOLTAGE RANGE</u>	
-48		-47.75 TO -52.50	

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EQUIPMENT NOTES:

- 201. ALL PRINTED WIRE CONNECTIONS ARE SPECIFIED BY ED-5D727-1
- 202. MSCU3 CABLING INFORMATION FOR CONNECTION TO THE MESSAGE SWITCH PERIPHERAL UNIT MODEL 3 IS SHOWN IN SD-5D077-01 OR SD-5D078-01.
- 203. THE MSCU3 EQUIPMENT LAYOUT IS SHOWN BELOW.

SN516B SN516C	495FB	TN856C	TN886	TN856C	UN173	SN516B SN516C	495FB		UN25B	UN25B	UN25B		KBN10			
MSPUCD	MSPC CONV	MSP	PPC	MSPP	FPC	MSCU CD	MSCU CONV		IOMI-B	IOMI-C	IOMI-D		IOP2/ MSC3			
5.00W 9.00W		23.90W 31.10W	18.50W 24.00W	29.90W 31.10W	13.00W 18.40W	5.00W 9.00W			5.85W 6.55W	5.85W 6.55W	5.85W 6.55W		15W 18W			
008	024	032	040	048	056	066	082		106	120	134		155			

NOTE: UPPER PWR FIGURE = TYPICAL
LOWER PWR FIGURE = BUSY HOUR

204.

APPARATUS CODE	CIRCUIT PACK REMOVAL PROCEDURES		
	PULL HOT	REMOVE UNIT POWER	SEQUENCED
MCSD039A1		X	
MCSD078A1C		X	
SN516B		X	
SN516C		X	
TN886		X	
UN25B		X	
495FB		X	
KBN10		X	

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	C2	4M
Lucent Technologies	SD-5D508-01	SHEET D2

INFORMATION NOTES:

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

FEATURE OR OPTION	PROVIDE	
	APP FIG	QUANTITY
BACKPLANE AND WIRING		
TO PROVIDE COMMUNICATION LINKS TO ADMINISTRATIVE MODULE	X	
VIA DUAL SERIAL CHANNEL 11 3B20D, 56 SM'S OR LESS	W	
VIA DUAL SERIAL CHANNEL 12 3B20D, 56 SM'S OR MORE	V	
VIA DUAL SERIAL CHANNEL 16 3B20D	T	
VIA DUAL SERIAL CHANNEL 12 MSG 0, 3B21D	Q	1
VIA DUAL SERIAL CHANNEL 14 MSG 1, 3B21D	R	
VIA DUAL SERIAL CHANNEL 16 MSG 0, 3B21D, MORE THAN 400,000 BUSY HOUR CALL ATTEMPTS	S	
VIA DUAL SERIAL CHANNEL 18 MSG 1, 3B21D, MORE THAN 400,000 BUSY HOUR CALL ATTEMPTS	M	
TO PROVIDE PERIPHERAL CONTROLLER, BASIC UNIT UP TO 4 MSPU COMMUNITIES. (32 SM'S)	2	1
TO PROVIDE PERIPHERAL CONTROLLER, FOR UP TO 8 MSPU COMMUNITIES. (96 SM'S)	2,3	1
TO PROVIDE PERIPHERAL CONTROLLER, FOR UP TO 12 MSPU COMMUNITIES. (128 SM'S)	2,3 4	1
TO PROVIDE PERIPHERAL CONTROLLER, FOR UP TO 16 MSPU COMMUNITIES. (192 SM'S)	2,3 4,5	1

303.

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES					
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				AVAIL	DA

INFORMATION NOTES (CONT):

305. THE MSCU3/DSCH CABLES (CADS 018,019) ARE LESS THAN 50 FEET LONG ALLOWING THE MSCU3 TO COMMUNICATE TO THE AM AT A 10 MHZ SERIAL DATA RATE. THIS SPECIFIED IN BOTH THE MSCU3 AND DSCH BY BACKPLANE OPTIONS. THE MSCU3 IS WIRED AT THE 10 MHZ DATA RATE PER APP FIGURE 1 BY STRAPPING (20MHZ0) TO (SPEED).

306. THE MSCU3 IS INTERFACED TO THE AM VIA THE DDSBS AND DSCH. THE AM DSCH CAN DRIVE 4 PERIPHERAL DEVICES. WHEN READING PERIPHERAL STATUS, EACH DEVICE IDENTIFIES ITS CHANNEL NUMBER BY GATING A 4-BIT ID CODE ONTO DATA BITS 3-0. THE UNIT ID CODE IS SPECIFIED VIA BACKPLANE WIRING OF THE NETS MYADD(3-0)1. BECAUSE ALL 4 SIGNALS ARE PULLED UP ON THE IOP2/MSC3 CIRCUIT PACK, SET ID CODE BITS ARE SPECIFIED BY LEAVING THE ASSOCIATED MYADD BIT UNCONNECTED TO SPECIFY A ZERO ID CODE BIT, THE ASSOCIATED MYADD BIT IS WIRED TO GROUND. STRAIGHT BINARY CODING IS USED TO MAP ID CODES. TABLE 1 SPECIFIES THE MAPPING FOR DIFFERENT ID CODES. THE MSCU3 IS WIRED AS CHANNEL 11, 12, 14, 16, OR 18 PER APP FIGURE 1, AND NOTE 302.

TABLE 1

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	EQL	DSCH BCD
MYADD3H	G	G	G	G	G	G	G	G	NC	013	8							
MYADD2H	G	G	G	G	NC	NC	NC	NC	G	G	G	G	NC	NC	NC	NC	012	4
MYADD1H	G	G	NC	NC	G	G	NC	NC	G	G	NC	NC	G	G	NC	NC	011	2
MYADD0H	G	NC	G	NC	G	NC	G	NC	G	NC	G	NC	G	NC	G	NC	010	1

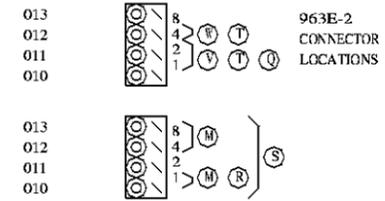
G = GROUND

MSCU3 MLB BACKPLANE PER ED-5D727-1 MAKE CHANNEL ASSIGNMENTS BY GROUNDING MYADD PINS IN EQL 170-010 THROUGH 170-013 TO ADJACENT GROUND PINS (X WRG) IN EQL 169-010 THROUGH 169-013 USING 963E-2 CONNECTORS COMCODE 102 802 303, PER FIGURE A.

INFORMATION NOTES (CONT):

306. (CONT):

FIGURE A
170
MLB ED-5D727-1

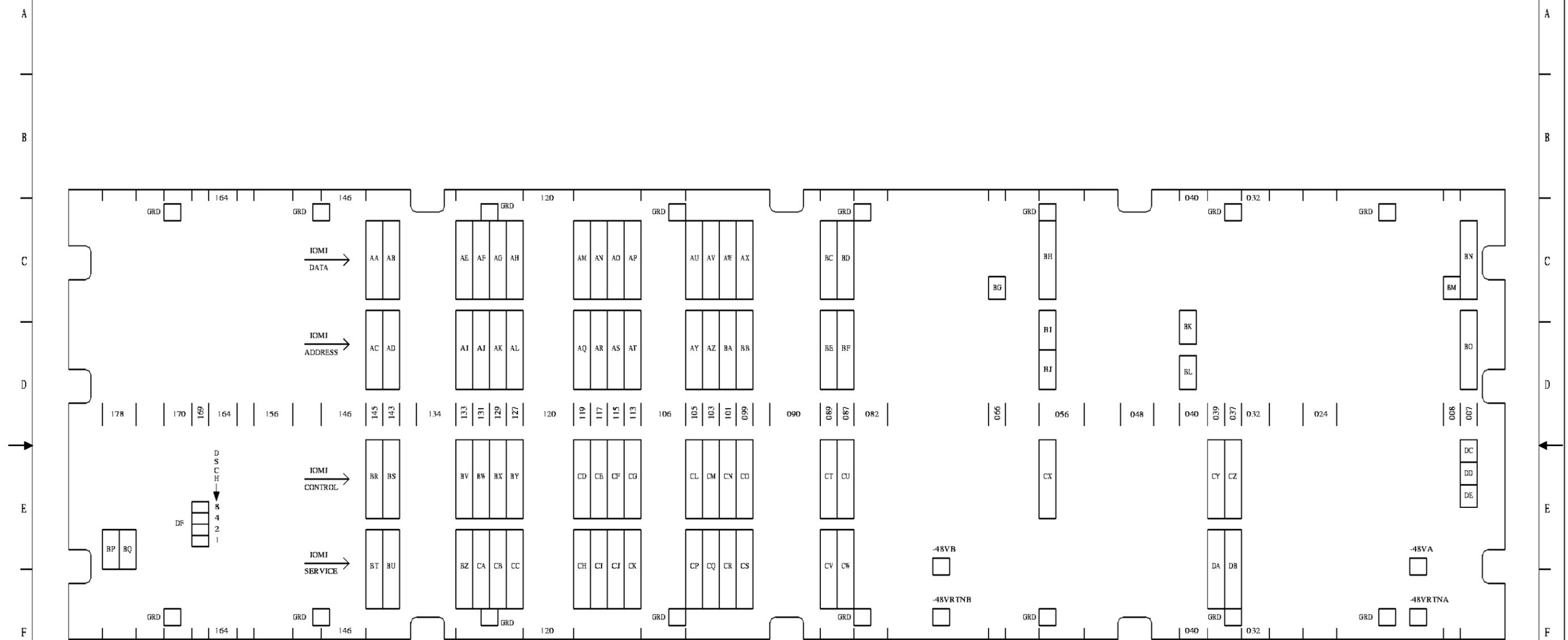


307. MSCU3 CIRCUIT PACKS SHOULD NOT BE REMOVED, CHANGED OR ADDED WITHOUT POWERING DOWN THE ASSOCIATED SHELF.

UNIT SYMBOL TABLE OF CONTENTS			
FUNCTION		DESCRIPTION	SIZE ELEMENT
IOMI	COMMUNITY 0 CMP	(04-087-000)	2 X 12 CW
		(04-087-013)	2 X 12 CU
		(04-087-032)	2 X 12 BF
	COMMUNITY 1 PPC/FPC	(04-087-045)	2 X 12 BD
		(04-089-000)	2 X 12 CV
		(04-089-013)	2 X 12 CT
	COMMUNITY 2	(04-089-032)	2 X 12 BE
		(04-089-045)	2 X 12 BC
		(04-099-000)	2 X 12 CS
	COMMUNITY 3	(04-099-013)	2 X 12 CO
		(04-099-032)	2 X 12 BR
		(04-099-045)	2 X 12 AX
	COMMUNITY 0	(04-101-000)	2 X 12 CR
		(04-101-013)	2 X 12 CN
		(04-101-032)	2 X 12 BA
	COMMUNITY 1	(04-101-045)	2 X 12 AF
		(04-103-000)	2 X 12 CQ
		(04-103-013)	2 X 12 CM
	COMMUNITY 2	(04-103-032)	2 X 12 AZ
		(04-103-045)	2 X 12 AV
		(04-105-000)	2 X 12 CP
	COMMUNITY 3	(04-105-013)	2 X 12 CL
		(04-105-032)	2 X 12 AY
		(04-105-045)	2 X 12 AU
	COMMUNITY 0	(04-113-000)	2 X 12 CK
		(04-113-013)	2 X 12 CG
		(04-113-032)	2 X 12 AT
	COMMUNITY 1	(04-113-045)	2 X 12 AP
		(04-115-000)	2 X 12 CJ
		(04-115-013)	2 X 12 CF
	COMMUNITY 2	(04-115-032)	2 X 12 AS
		(04-115-045)	2 X 12 AO
		(04-117-000)	2 X 12 CI
	COMMUNITY 3	(04-117-013)	2 X 12 CE
		(04-117-032)	2 X 12 AR
		(04-117-045)	2 X 12 AN
	COMMUNITY 0	(04-119-000)	2 X 12 CH
		(04-119-013)	2 X 12 CD
		(04-119-032)	2 X 12 AQ
	COMMUNITY 1	(04-119-045)	2 X 12 AM
		(04-127-000)	2 X 12 CC
		(04-127-013)	2 X 12 BY
	COMMUNITY 2	(04-127-032)	2 X 12 AL
		(04-127-045)	2 X 12 AH
		(04-129-000)	2 X 12 CB
	COMMUNITY 3	(04-129-013)	2 X 12 BX
		(04-129-032)	2 X 12 AK
		(04-129-045)	2 X 12 AG
	COMMUNITY 0	(04-131-000)	2 X 12 CA
		(04-131-013)	2 X 12 BW
		(04-131-032)	2 X 12 AJ
	COMMUNITY 1	(04-131-045)	2 X 12 AF
		(04-133-000)	2 X 12 BZ
		(04-133-013)	2 X 12 BV
	COMMUNITY 2	(04-133-032)	2 X 12 AI
		(04-133-045)	2 X 12 AE
		(04-143-000)	2 X 12 BU
	COMMUNITY 3	(04-143-013)	2 X 12 BS
		(04-143-032)	2 X 12 AD
		(04-143-045)	2 X 12 AB
	COMMUNITY 0	(04-145-000)	2 X 12 BT
		(04-145-013)	2 X 12 BR
		(04-145-032)	2 X 12 AC
	SERIAL LINK	CHANNEL A (04-178-106)	2 X 6 BQ
		CHANNEL B (04-178-306)	2 X 6 BP

UNIT SYMBOL TABLE OF CONTENTS			
FUNCTION		DESCRIPTION	SIZE ELEMENT
SCAN POINTS		SCAN POINTS (04-007-045)	2 X 12 RN
		SCAN POINTS (04-007-032)	2 X 12 RO
FUSE ALARM		FUSE ALARM (04-008-045)	2 X 3 RM
		FUSE ALARM (04-066-045)	2 X 3 RG
GROUND LUGS		GROUND LUGS (01-017-0B0)	LUGS DF
		GROUND LUGS (07-017-057)	LUGS DF
		GROUND LUGS (01-037-0B0)	LUGS DF
		GROUND LUGS (07-037-057)	LUGS DF
		GROUND LUGS (01-056-5B0)	LUGS DF
		GROUND LUGS (07-056-557)	LUGS DF
		GROUND LUGS (01-082-3B0)	LUGS DF
		GROUND LUGS (07-082-357)	LUGS DF
		GROUND LUGS (01-106-1B0)	LUGS DF
		GROUND LUGS (07-106-157)	LUGS DF
		GROUND LUGS (01-130-0B0)	LUGS DF
		GROUND LUGS (07-130-057)	LUGS DF
		GROUND LUGS (01-152-0B0)	LUGS DF
		GROUND LUGS (07-152-057)	LUGS DF
		GROUND LUGS (01-170-3B0)	LUGS DF
	GROUND LUGS (07-170-357)	LUGS DF	
MESSAGE INTERFACE BUS		MIB SIDE 0 (04-040-334)	2 X 4 BL
		MIB SIDE 1 (04-040-339)	2 X 4 BK
I/O MESSAGE INTERFACE		IOMI SERVICE (04-037-000)	2 X 12 DB
		IOMI CONTROL (04-037-013)	2 X 12 CZ
		IOMI ADDRESS (04-039-000)	2 X 12 DA
CONTROL & DIAGNOSTIC	SIDE 0	IOMI DATA (04-039-013)	2 X 12 CY
	SIDE 1	LINK A (04-056-513)	2 X 12 CX
		LINK B (04-056-532)	2 X 6 BJ
POWER LUG		LINK A (04-056-545)	2 X 12 BH
		LINK B (04-056-538)	2 X 6 BI
		POWER LUGS (01-013-0B0) -48VRTNA	LUG DF
		POWER LUGS (02-013-004) -48VA	LUG DF
MANUAL OVERRIDE & DIAGNOSTIC		POWER LUGS (01-075-0B0) -48VRTNB	LUG DF
		POWER LUGS (02-075-004) -48VB	LUG DF
		MANUAL OVERRIDE & DIAGNOSTIC (04-007-016)	2 X 3 DE
DUAL SERIAL CHANNEL		MANUAL OVERRIDE & DIAGNOSTIC (04-007-022)	2 X 3 DC
		MANUAL OVERRIDE & DIAGNOSTIC (04-007-019)	2 X 3 DD
		DSCH 04-169-110	2 X 4 DF

CIRCUIT ACCESS REFERENCE DATA



BACKPLANE PICTORIAL WIRING SIDE

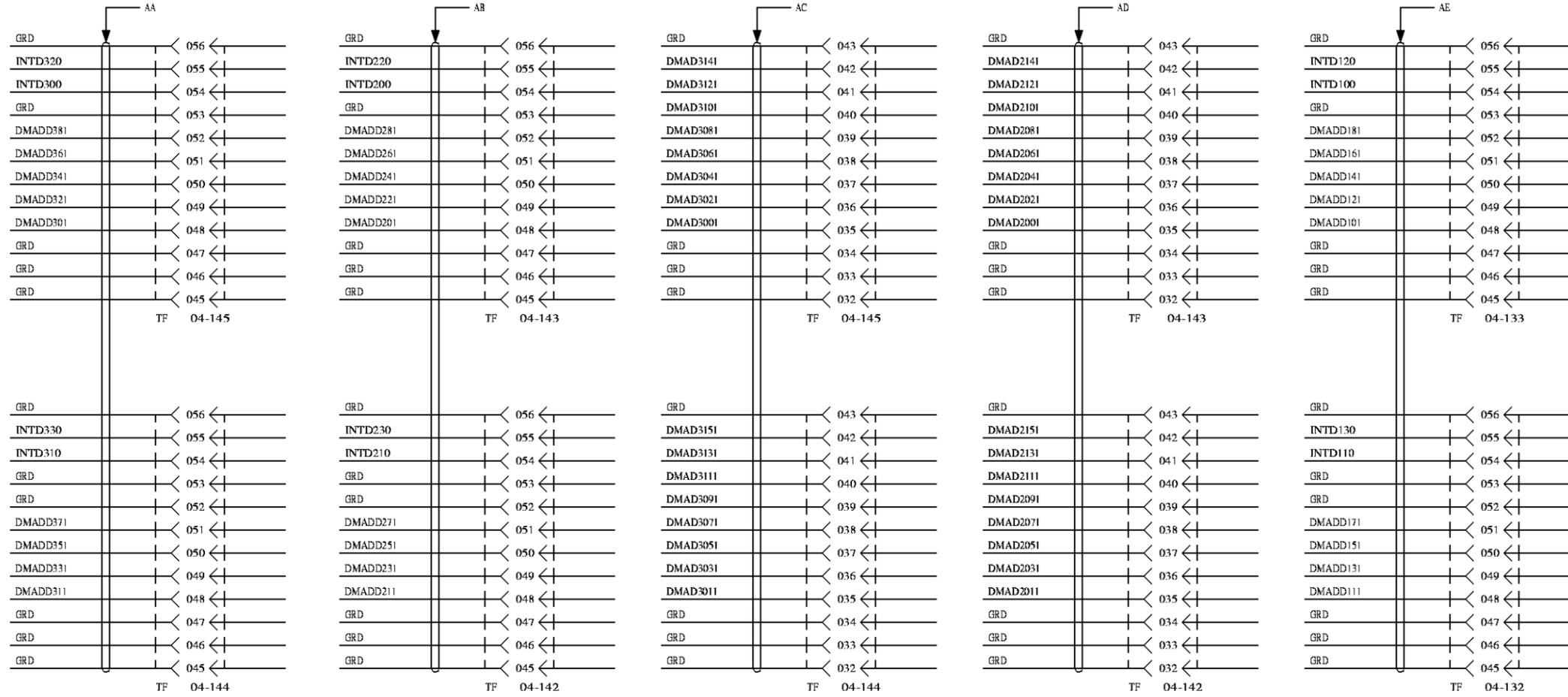
NOTES:

1. POWER AND GROUND LUGS ARE ELEMENT DF.
2. THE FOLLOWING CONNECTORS ARE UNASSIGNED:

AM	CD
AN	CE
AQ	CH
AR	CI
3. ELEMENT DF - SEE NOTE 306.

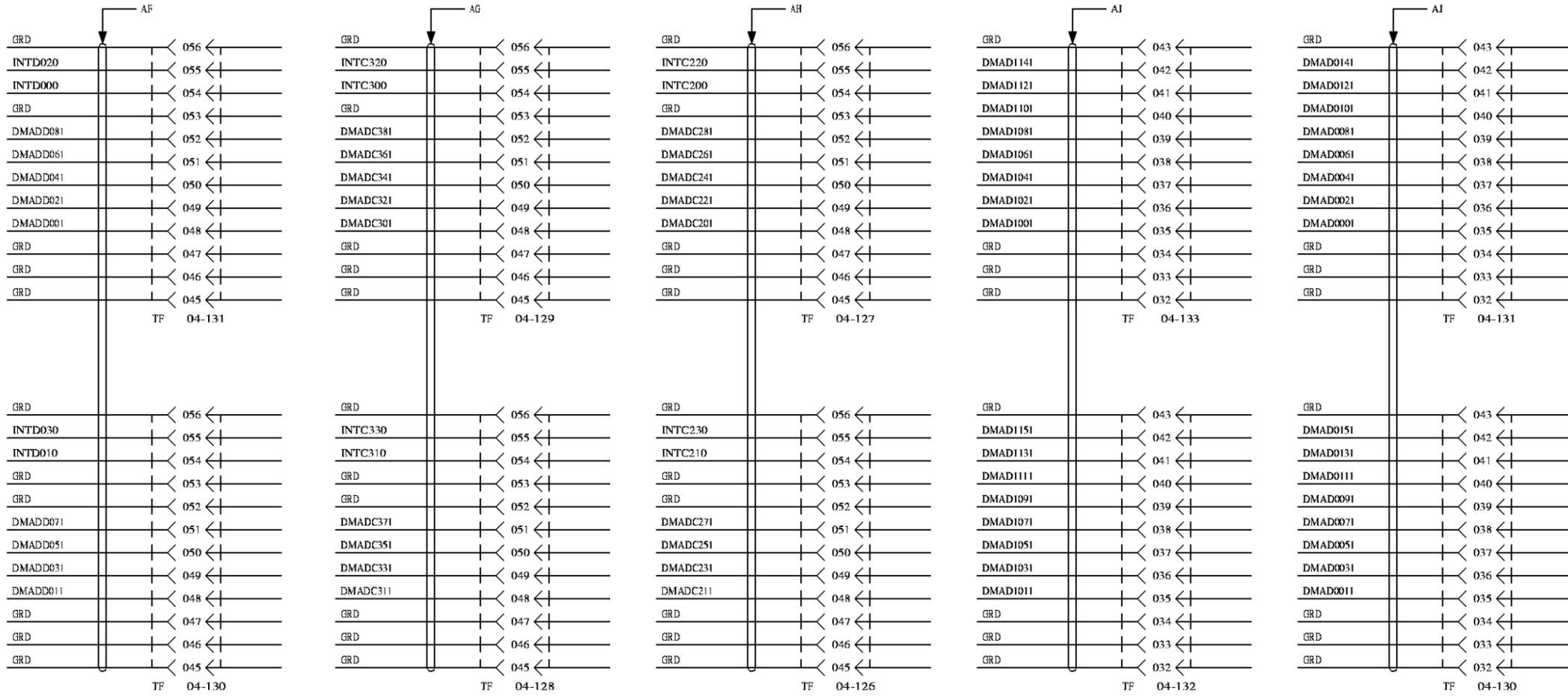
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MESSAGE SWITCH CONTROL UNIT, MODEL 3		ISSUE 4M
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P/O CAD 1



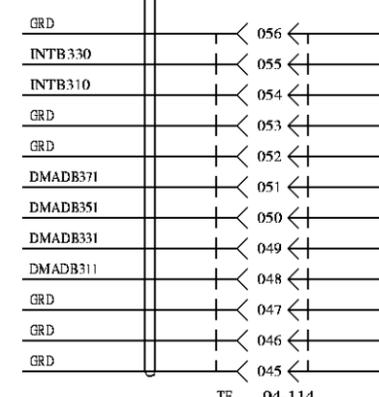
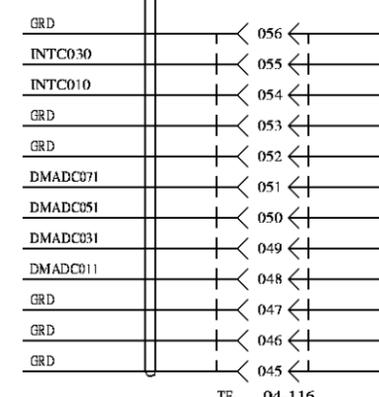
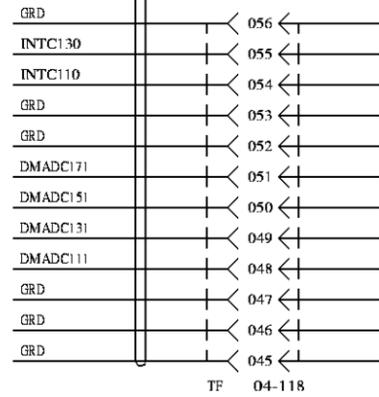
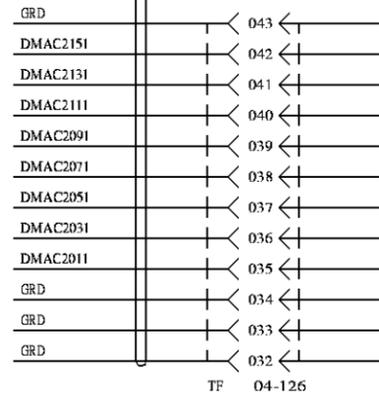
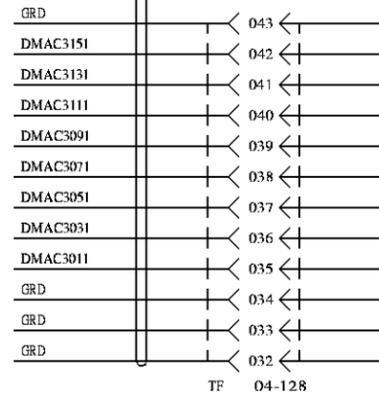
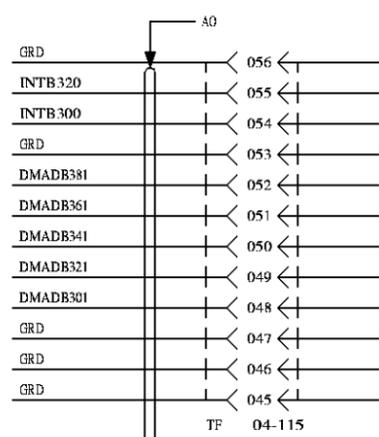
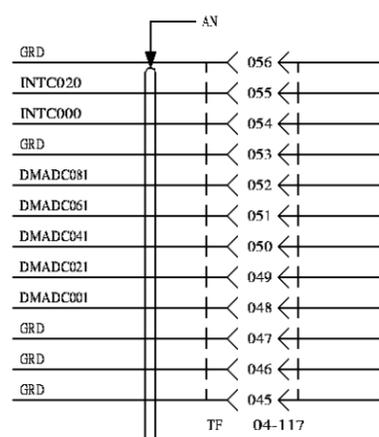
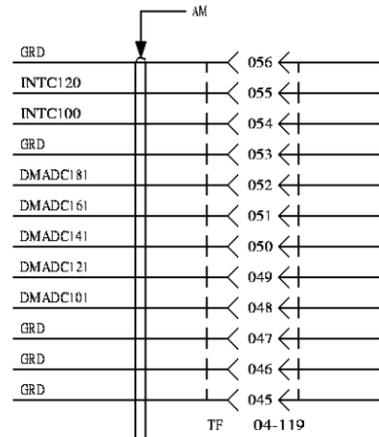
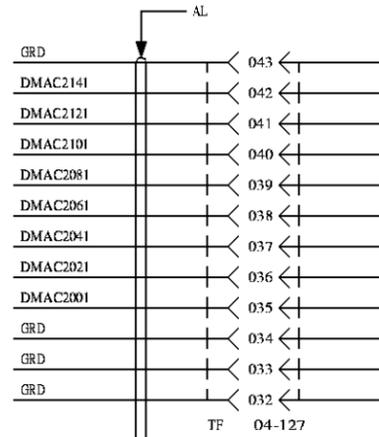
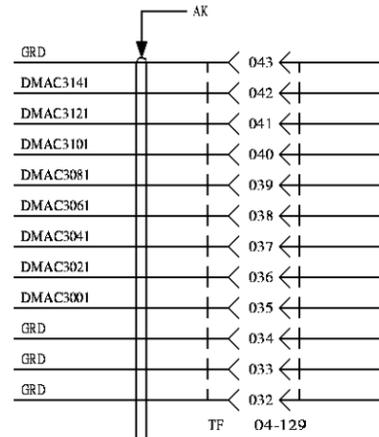
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET G3

P/O CAD 1



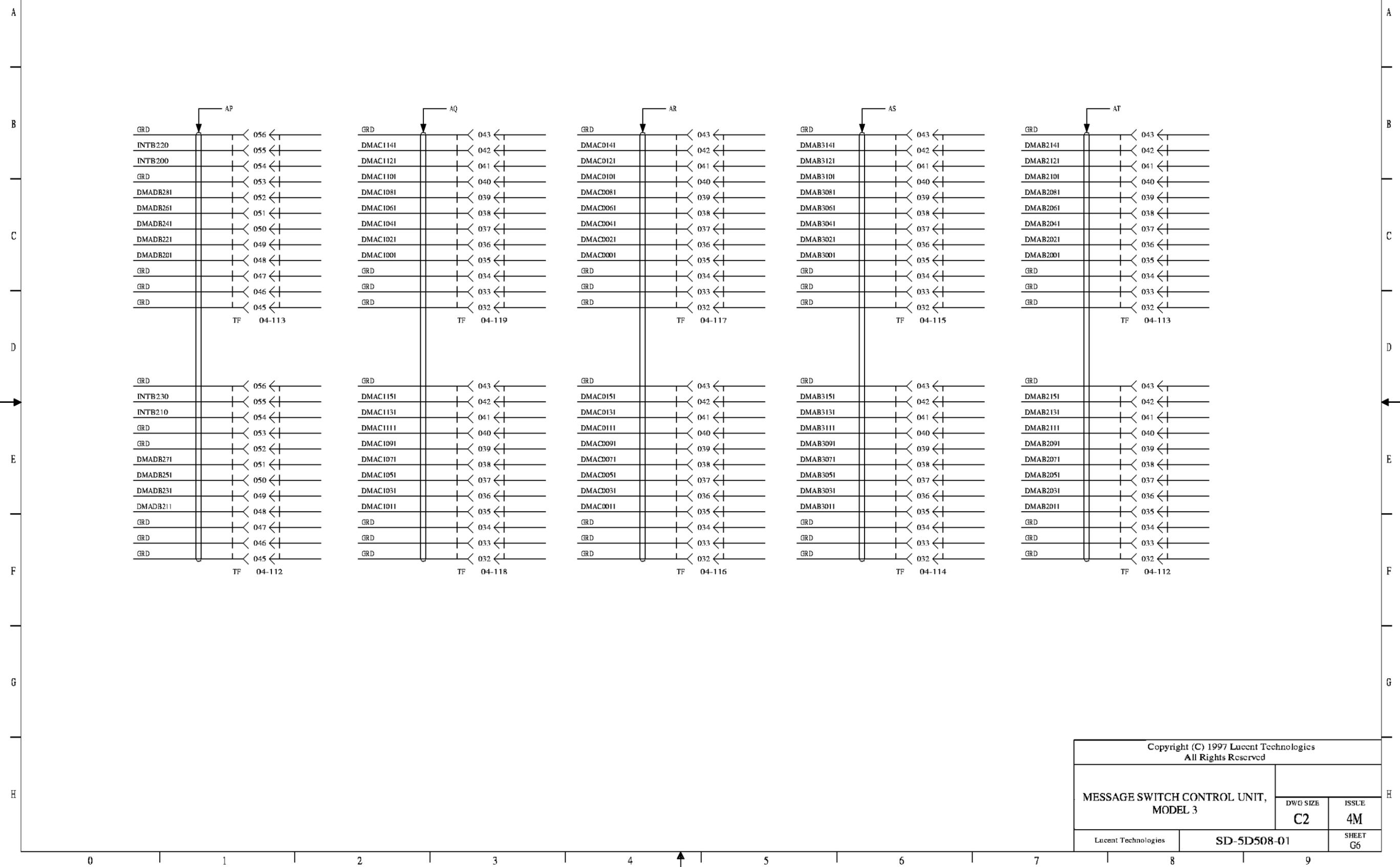
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G4

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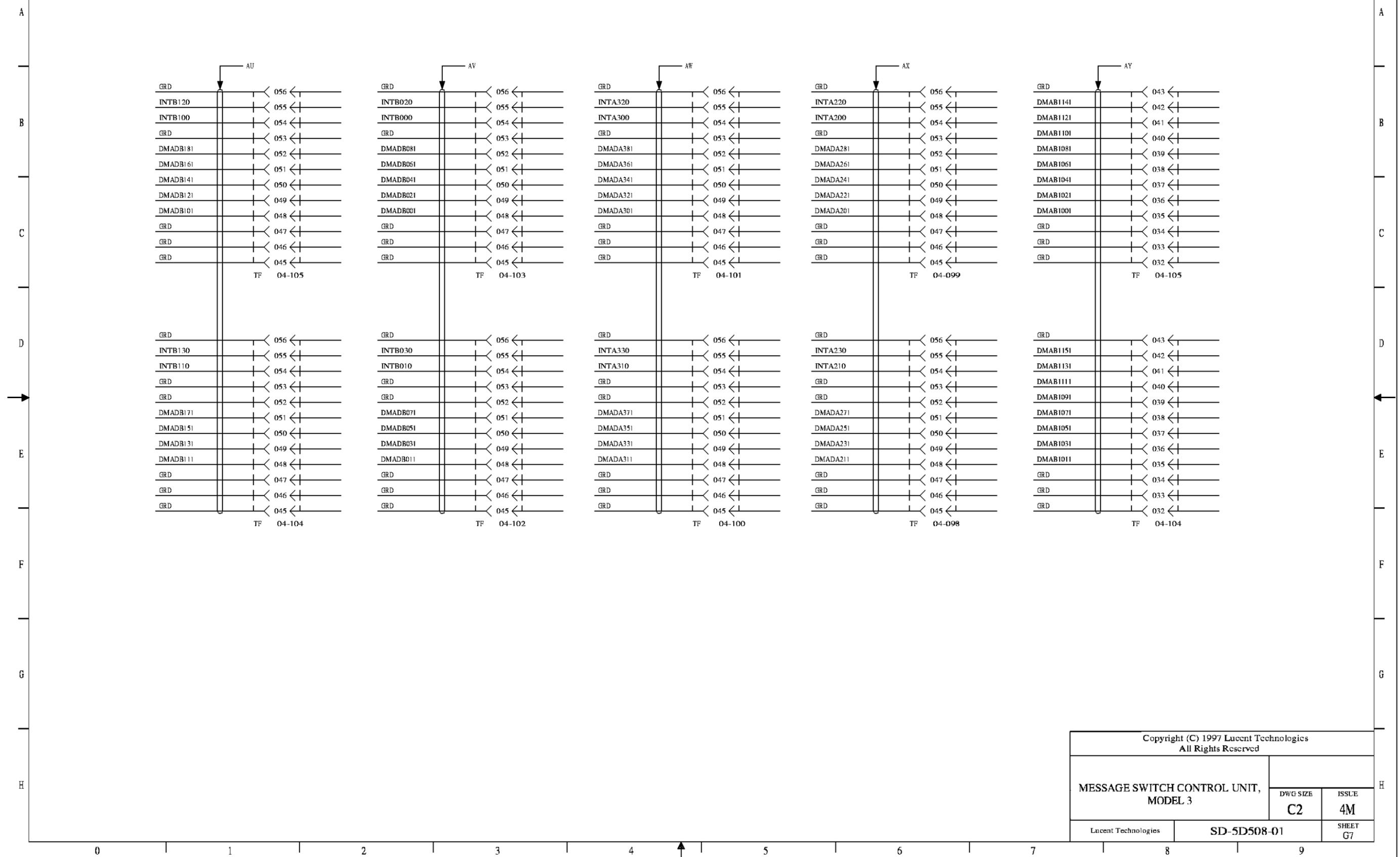
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET G5

P/O CAD 1



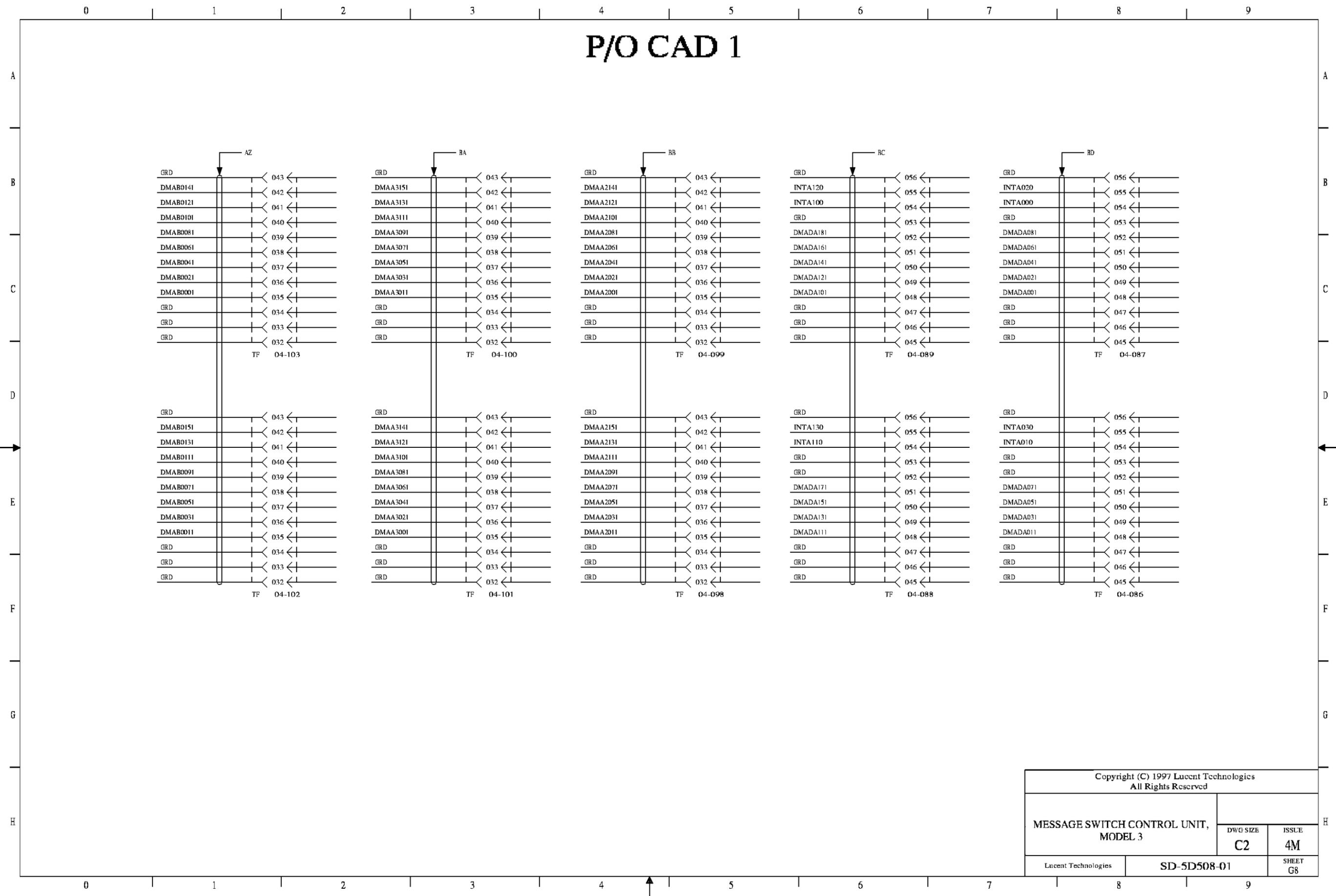
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET G6

P/O CAD 1



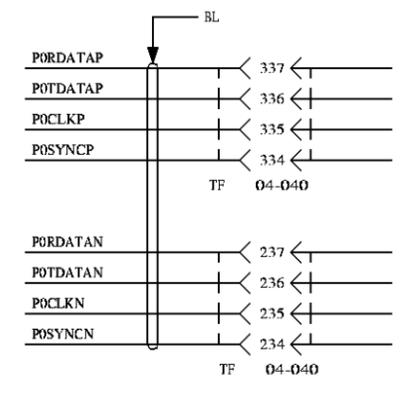
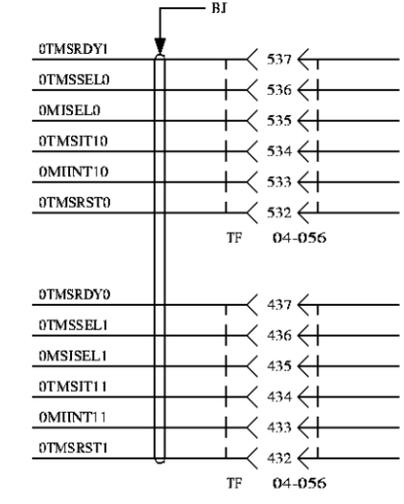
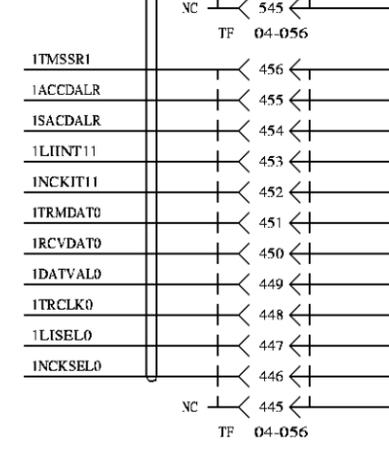
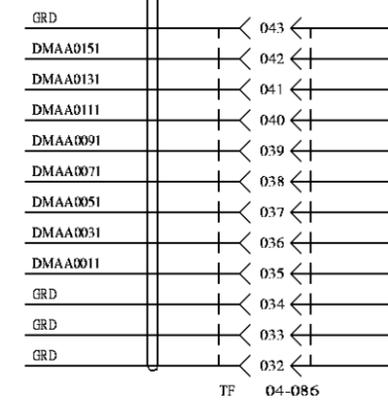
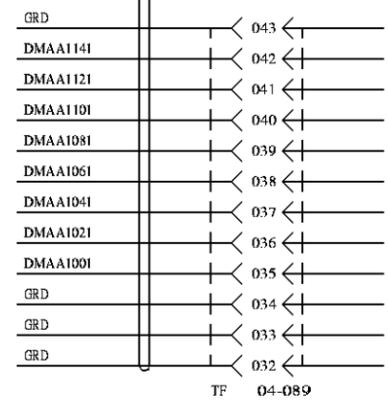
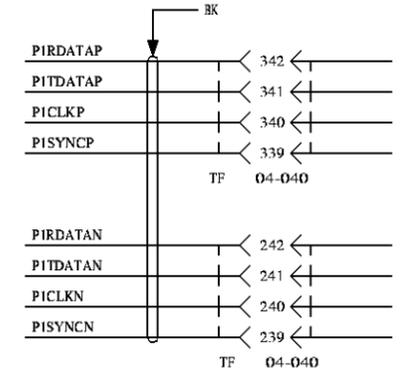
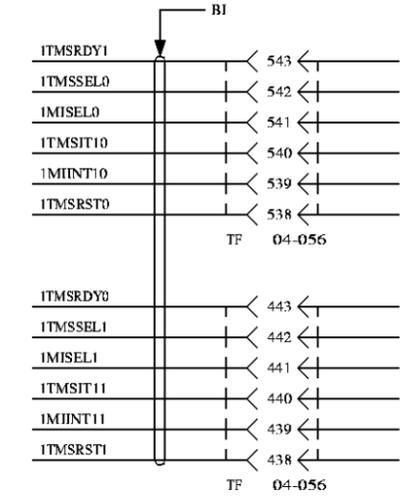
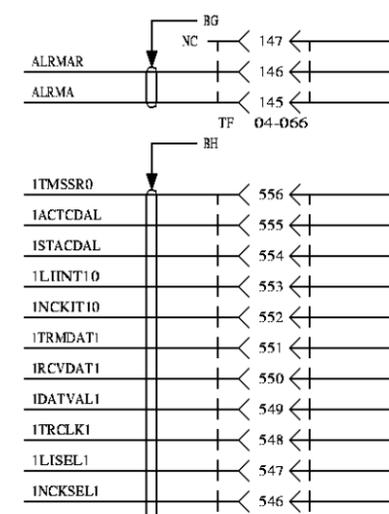
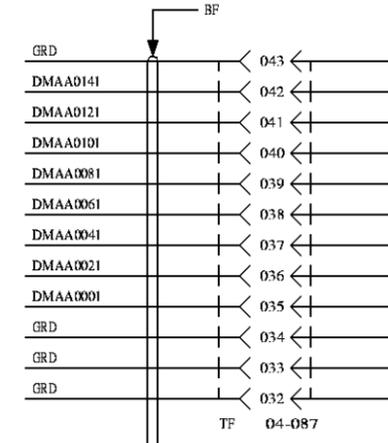
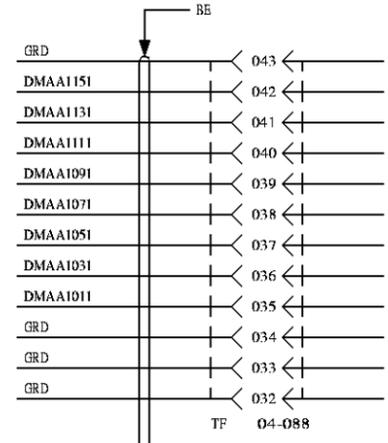
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET G7

P/O CAD 1



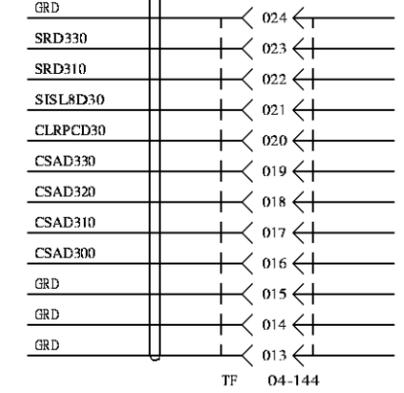
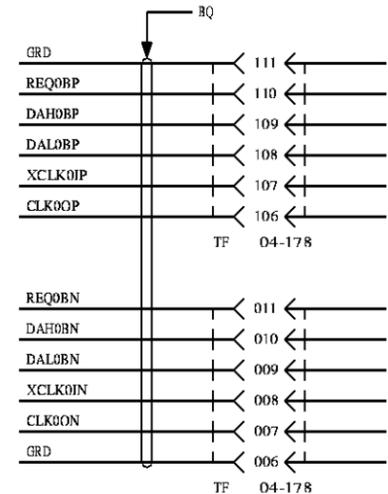
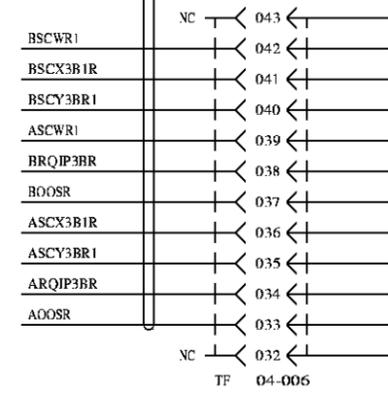
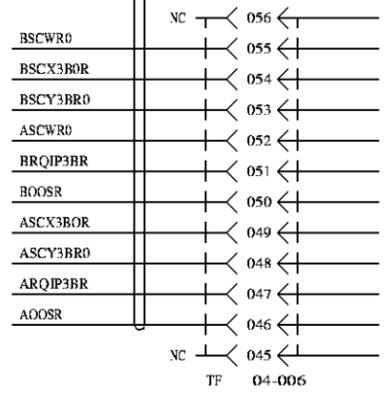
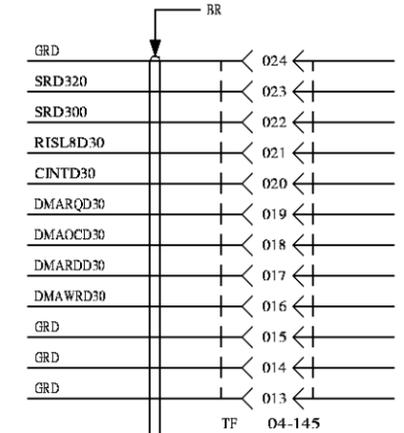
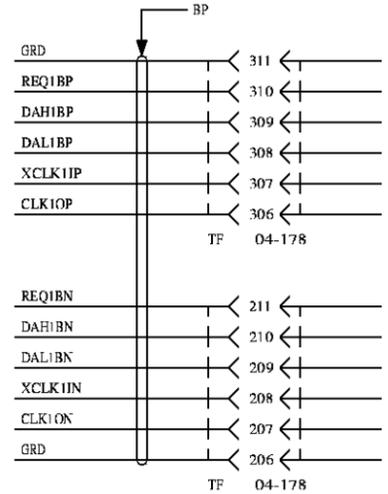
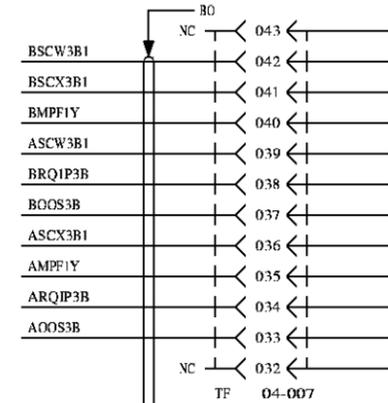
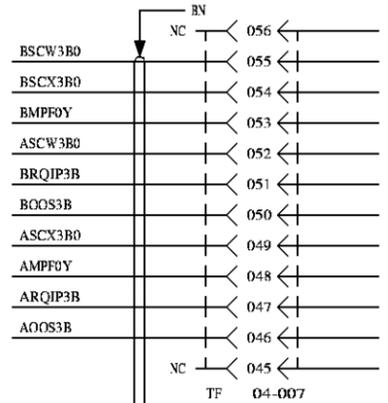
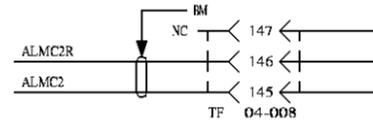
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G8

P/O CAD 1



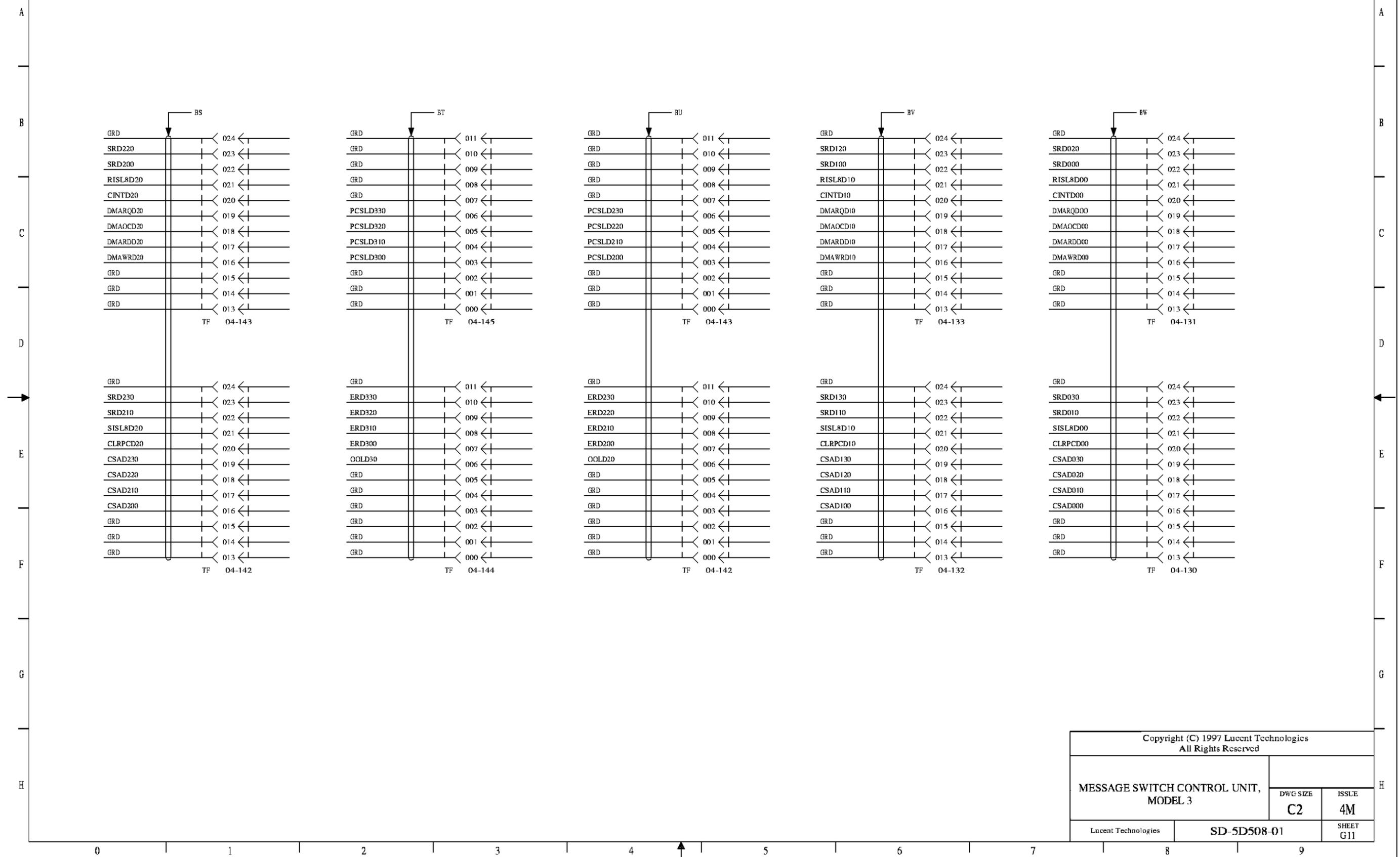
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G9

P/O CAD 1



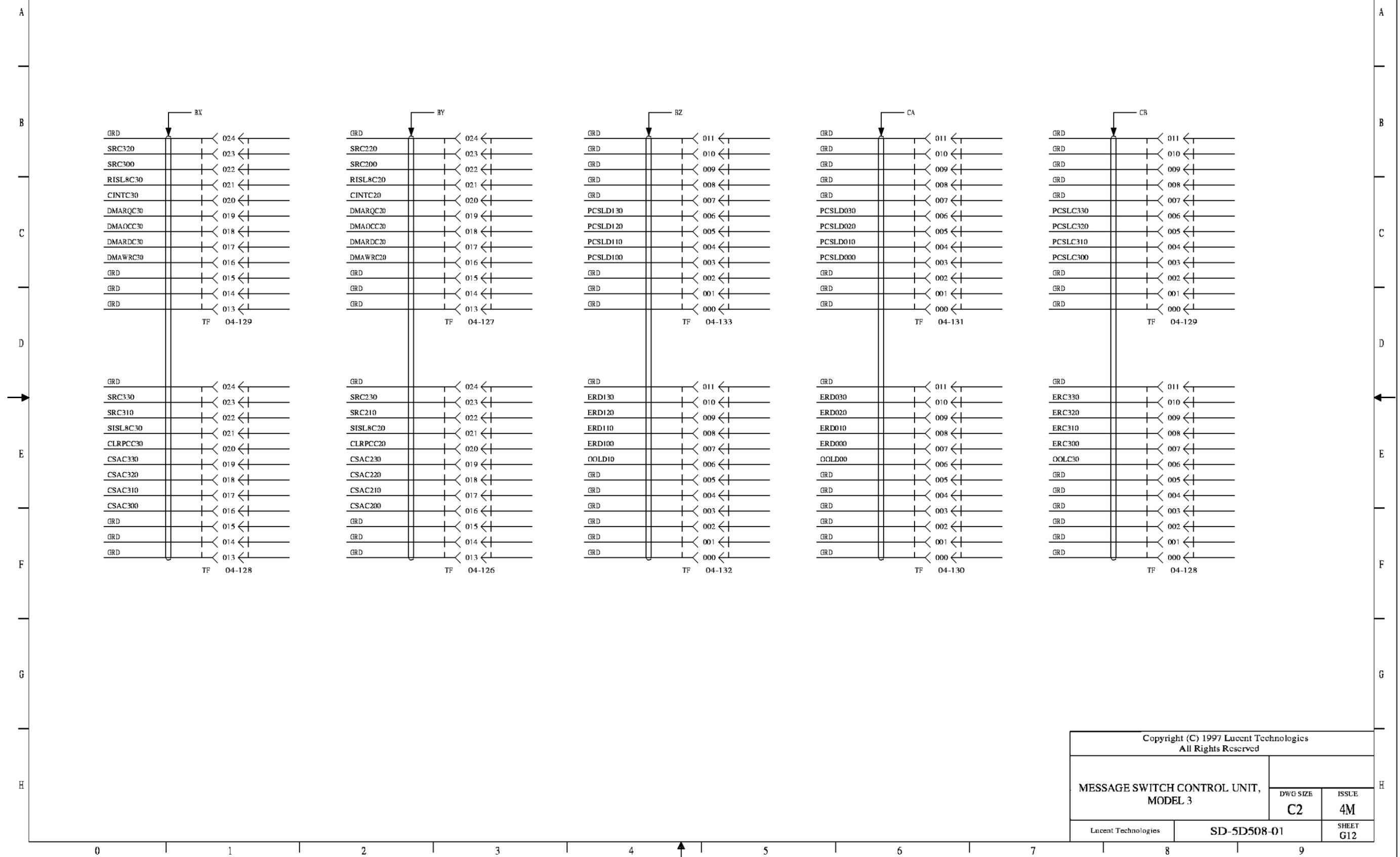
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G10

P/O CAD 1



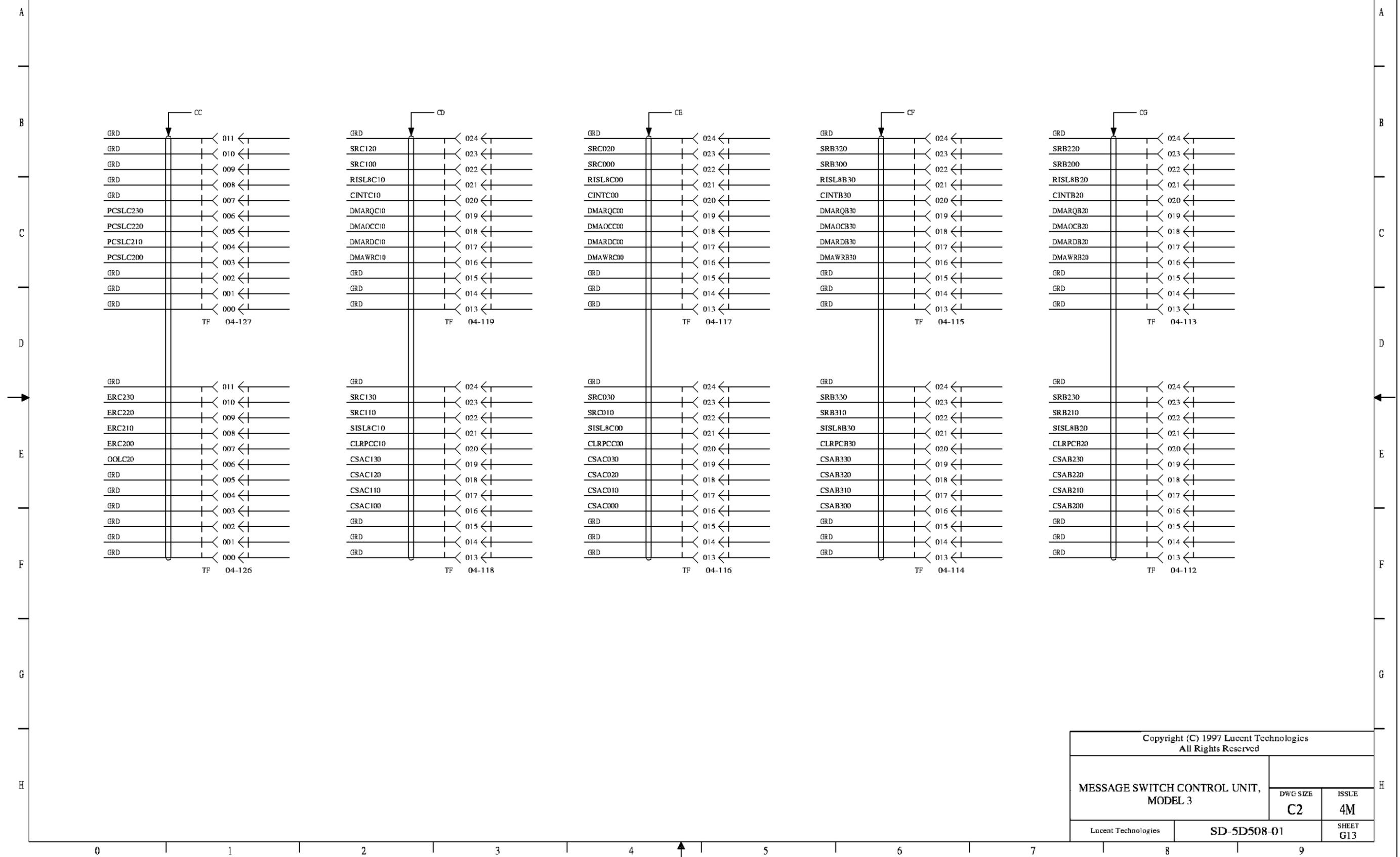
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G11

P/O CAD 1



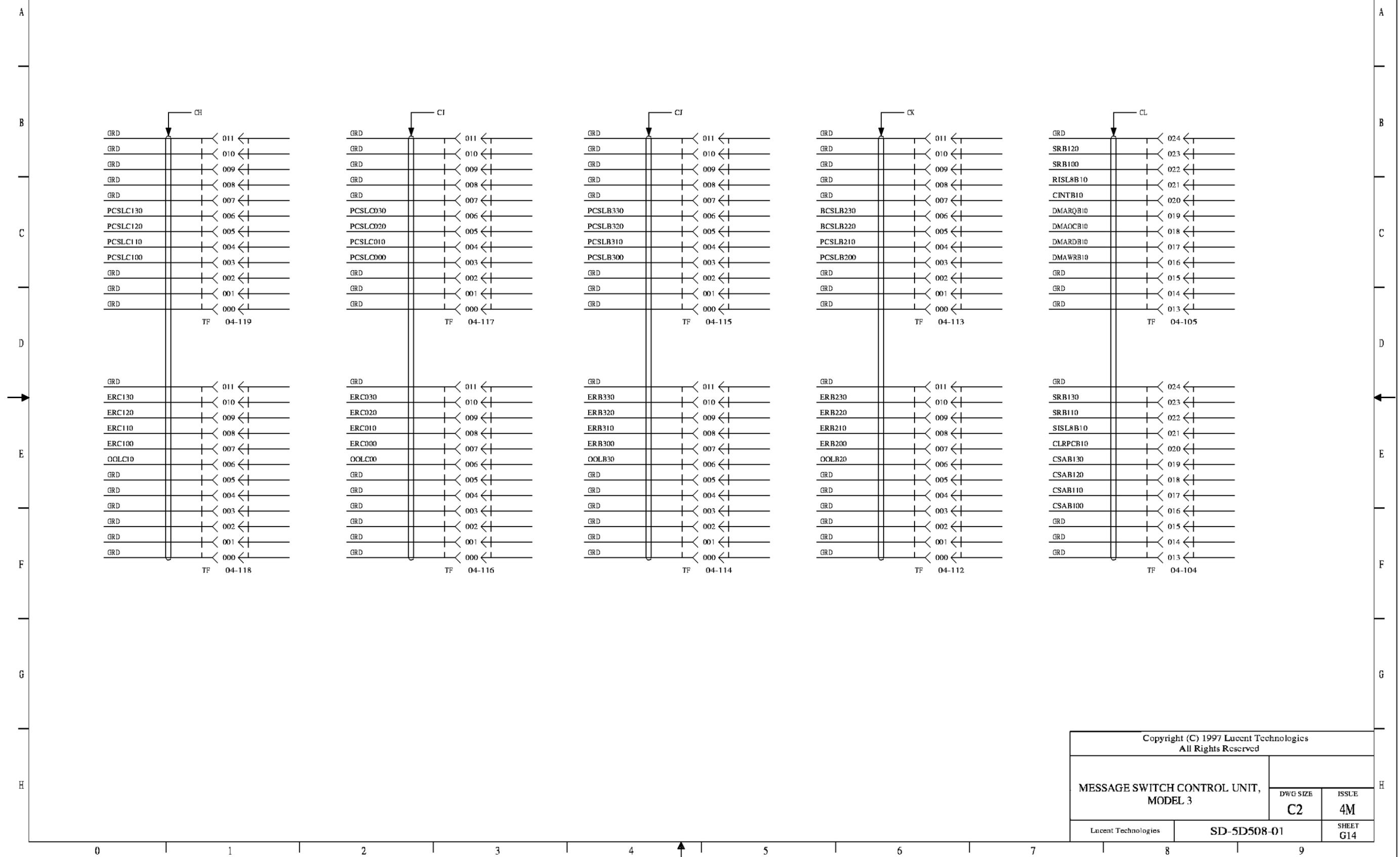
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G12

P/O CAD 1



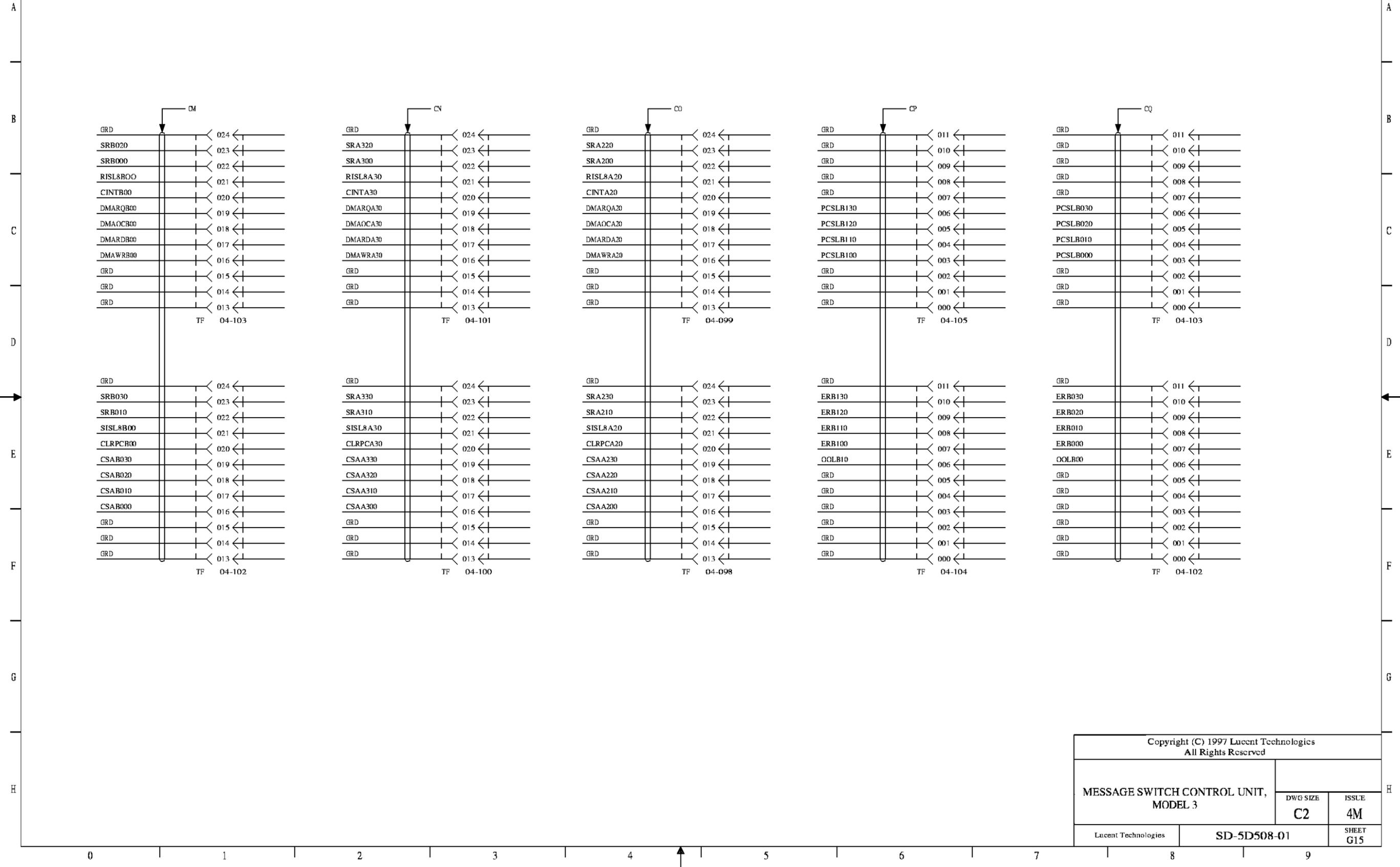
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G13

P/O CAD 1



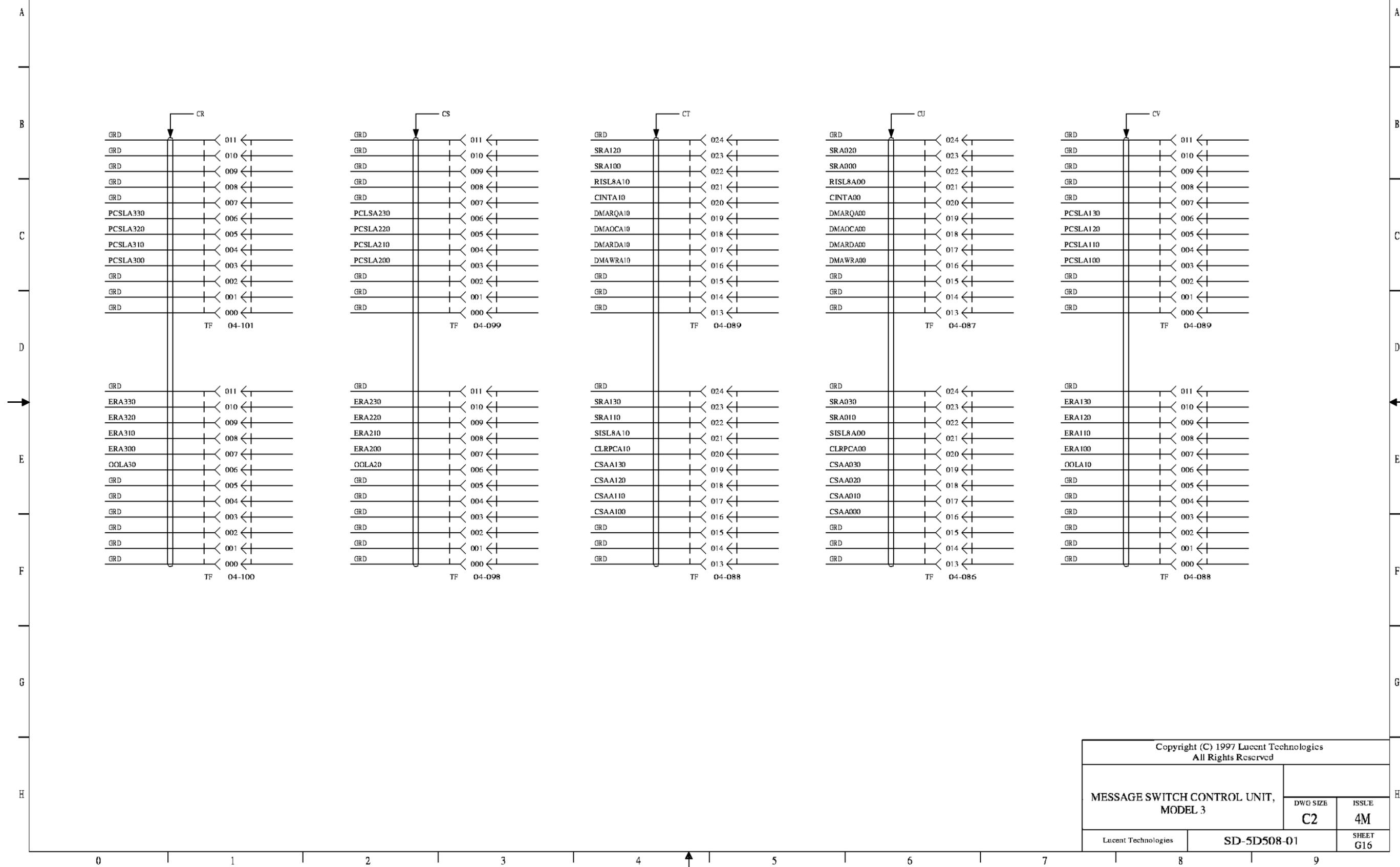
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G14

P/O CAD 1



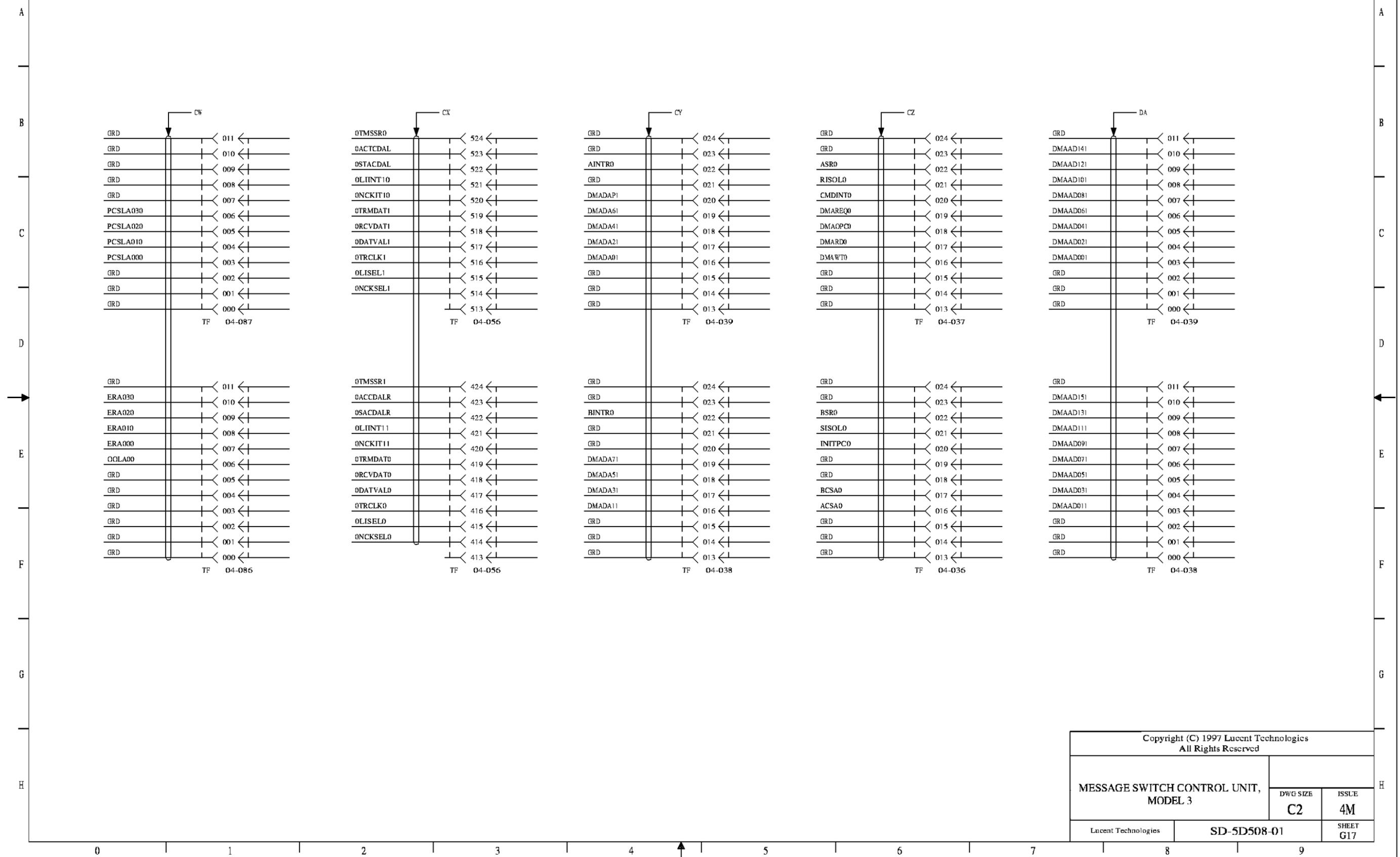
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G15

P/O CAD 1



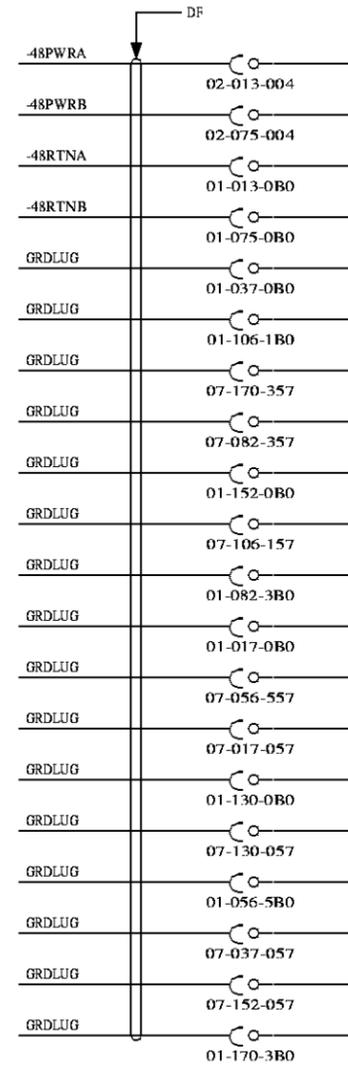
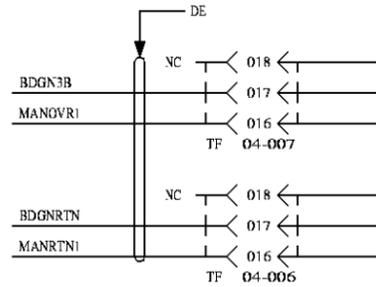
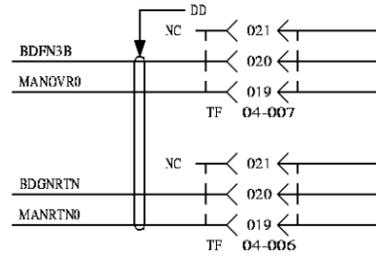
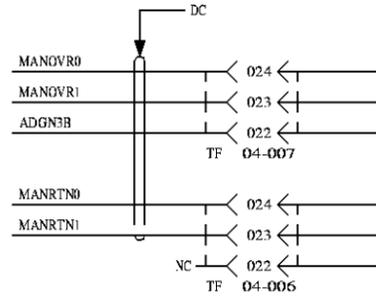
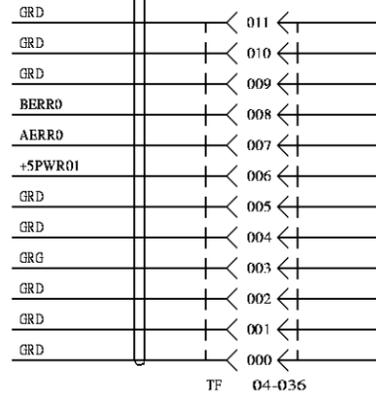
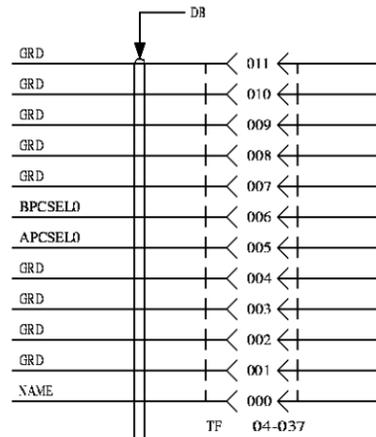
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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G16

P/O CAD 1



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G17

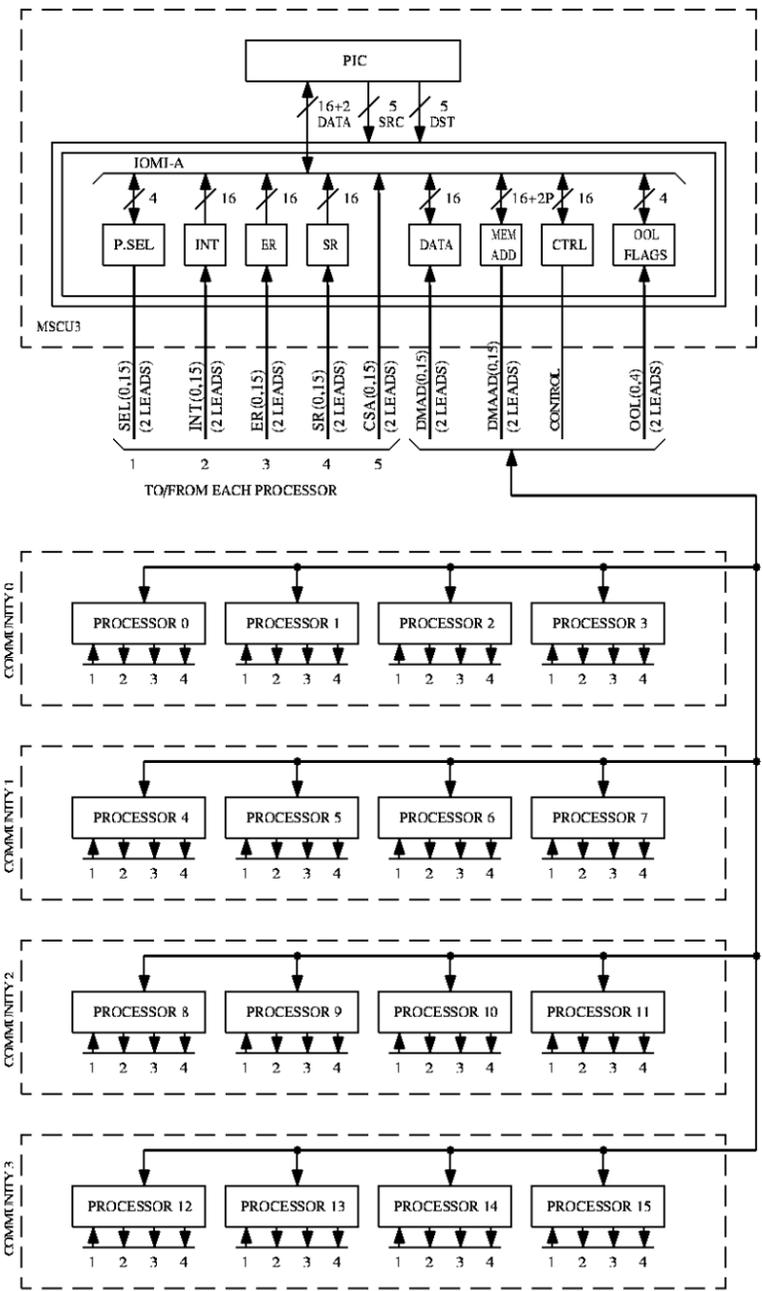
P/O CAD 1



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET G18

BD1

CIRCUIT BLOCK DIAGRAM
INPUT/OUTPUT MICROPROCESSOR (IOMI)



NOTE:

THE INPUT/OUTPUT MICROPROCESSOR INTERFACE (IOMI) CIRCUIT PACK SERVES AS THE INTERFACE BETWEEN THE PIC AND PERIPHERAL PROCESSORS. EACH IOMI WITHIN THE MSCU CAN INTERFACE UP TO FOUR COMMUNITIES OF FOUR PROCESSORS EACH.

ALL SIGNALS ARE AT TTL LEVELS PAIRED WITH GROUND. EACH COMMUNITY CONSISTS OF A 16 BIT DIRECT MEMORY ACCESS ADDRESS AN 8+1 PARITY BIT BIDIRECTIONAL DATA BUS, 8 CONTROL SIGNALS, AND 1 OUT OF LEVEL SIGNAL. EACH PROCESSOR HAS AN INDIVIDUAL SELECT, INTERRUPT, ERROR, SERVICE REQUEST, AND CONTROL SIGNAL ACKNOWLEDGE LEAD.

THREE UN25 CIRCUIT PACKS CAN BE EQUIPPED IN THE MSCU3 TO PROVIDE A TOTAL OF 64 PROCESSOR INTERFACES. IOP2/MSCU3 SELECTION OF IOMI-A,B,C OR D, IS ACCOMPLISHED THROUGH THE DATA BUS BITS 0,1,2, AND 3.

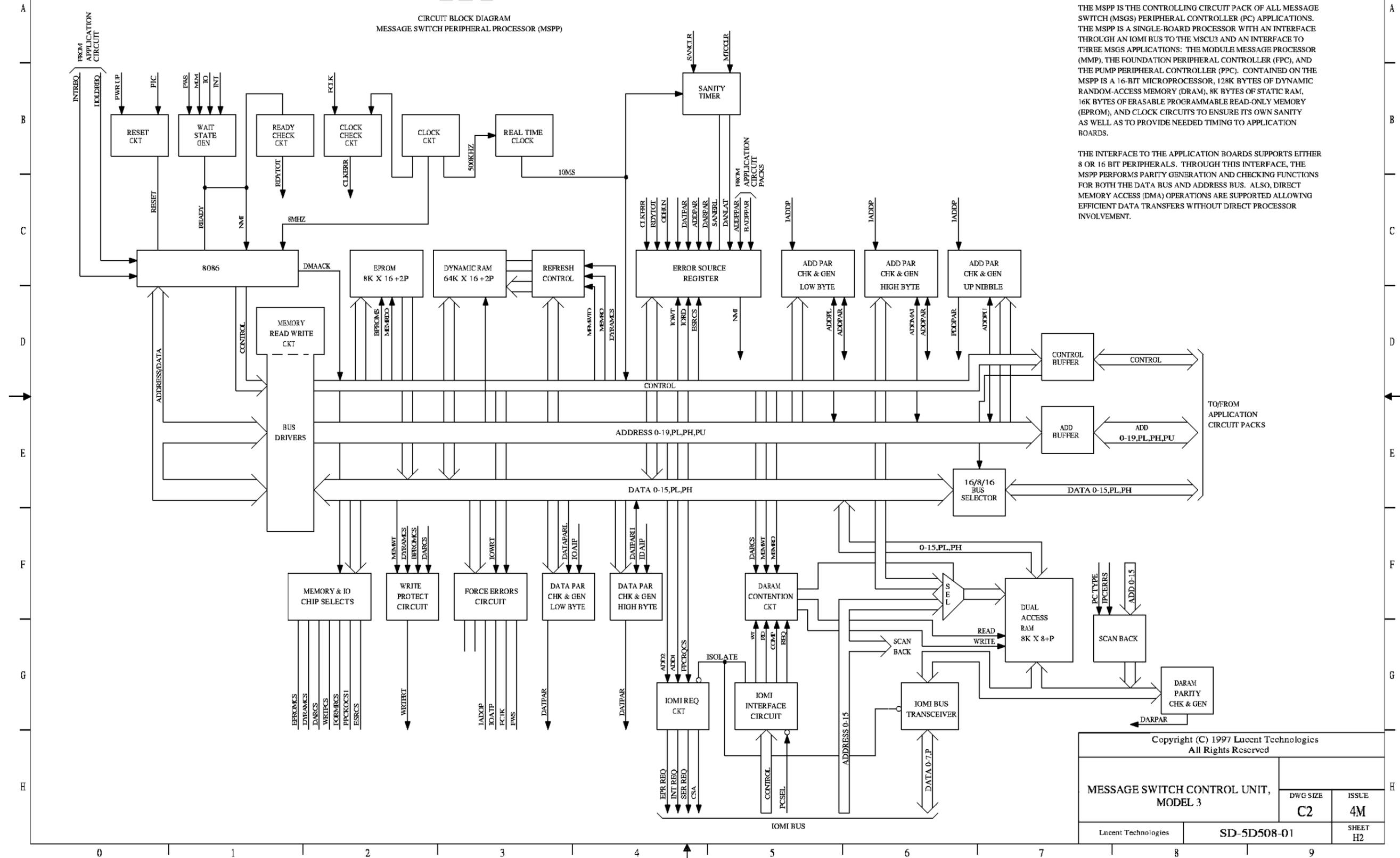
THE IOMI IS UNDER IOP2/MSCU3 CONTROL.

THE FUNCTION OF 1 IOMI (UN25B) IS NOW RESIDENT ON THE IOP2/MSC3 (KBN10)

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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
	C2	4M
Lucent Technologies	SD-5D508-01	SHEET H1

BD2

CIRCUIT BLOCK DIAGRAM
MESSAGE SWITCH PERIPHERAL PROCESSOR (MSPP)

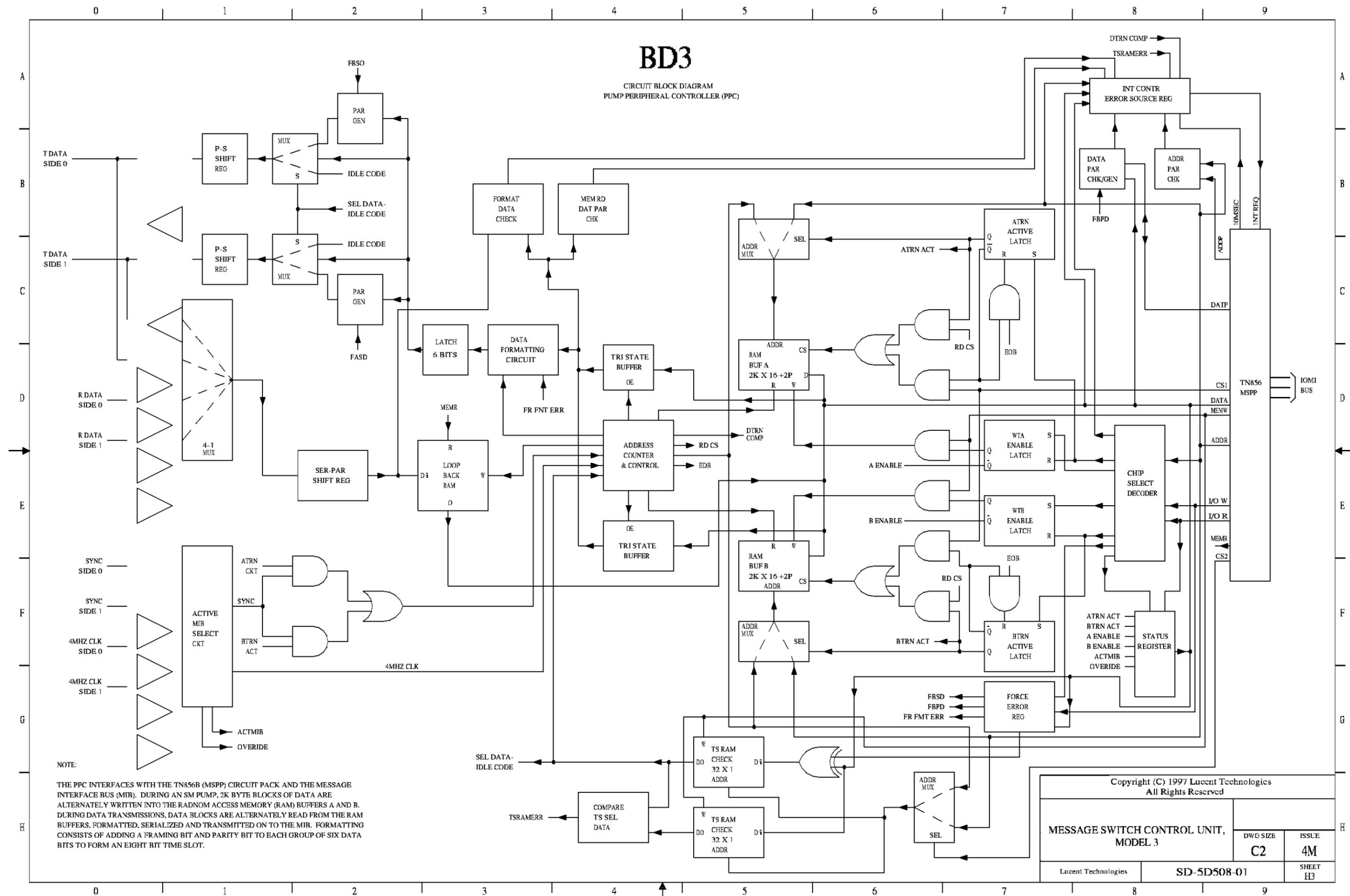


NOTE:
THE MSPP IS THE CONTROLLING CIRCUIT PACK OF ALL MESSAGE SWITCH (MSG) PERIPHERAL CONTROLLER (PC) APPLICATIONS. THE MSPP IS A SINGLE-BOARD PROCESSOR WITH AN INTERFACE THROUGH AN IOMI BUS TO THE MSCU3 AND AN INTERFACE TO THREE MSGS APPLICATIONS: THE MODULE MESSAGE PROCESSOR (MMP), THE FOUNDATION PERIPHERAL CONTROLLER (FPC), AND THE PUMP PERIPHERAL CONTROLLER (PPC). CONTAINED ON THE MSPP IS A 16-BIT MICROPROCESSOR, 128K BYTES OF DYNAMIC RANDOM-ACCESS MEMORY (DRAM), 8K BYTES OF STATIC RAM, 16K BYTES OF ERASABLE PROGRAMMABLE READ-ONLY MEMORY (EPROM), AND CLOCK CIRCUITS TO ENSURE ITS OWN SANITY AS WELL AS TO PROVIDE NEEDED TIMING TO APPLICATION BOARDS.

THE INTERFACE TO THE APPLICATION BOARDS SUPPORTS EITHER 8 OR 16 BIT PERIPHERALS. THROUGH THIS INTERFACE, THE MSPP PERFORMS PARITY GENERATION AND CHECKING FUNCTIONS FOR BOTH THE DATA BUS AND ADDRESS BUS. ALSO, DIRECT MEMORY ACCESS (DMA) OPERATIONS ARE SUPPORTED ALLOWING EFFICIENT DATA TRANSFERS WITHOUT DIRECT PROCESSOR INVOLVEMENT.

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MESSAGE SWITCH CONTROL UNIT, MODEL 3		DWG SIZE	ISSUE
		C2	4M
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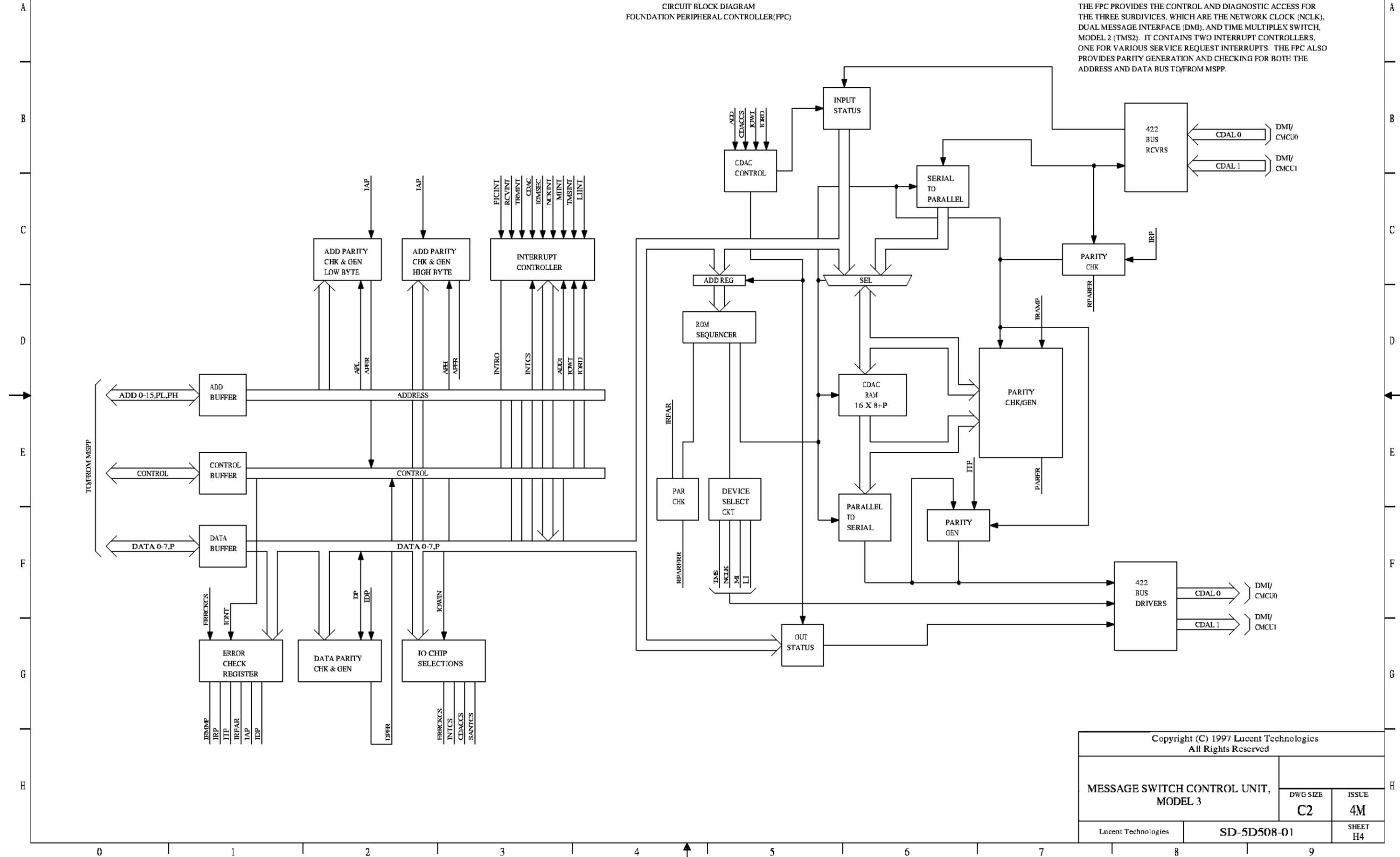


BD4

CIRCUIT BLOCK DIAGRAM
FOUNDATION PERIPHERAL CONTROLLER (FPC)

NOTE:

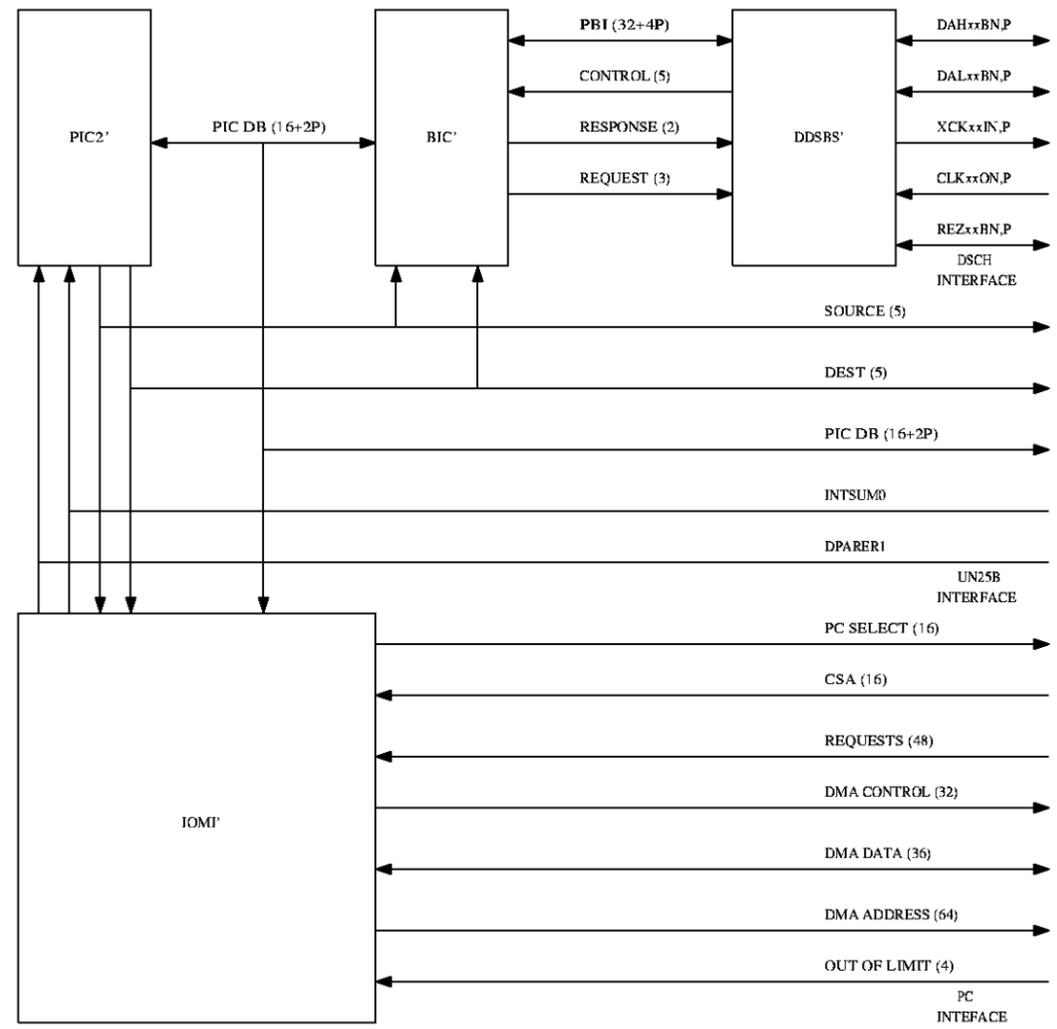
THE FPC PROVIDES THE CONTROL AND DIAGNOSTIC ACCESS FOR THE THREE SUBDIVICES, WHICH ARE THE NETWORK CLOCK (NCLK), DUAL MESSAGE INTERFACE (DMI), AND TIME MULTIPLEX SWITCH, MODEL 2 (TMS2). IT CONTAINS TWO INTERRUPT CONTROLLERS, ONE FOR VARIOUS SERVICE REQUEST INTERRUPTS. THE FPC ALSO PROVIDES PARITY GENERATION AND CHECKING FOR BOTH THE ADDRESS AND DATA BUS TO/FROM MSPP.



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	C2	4M
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BD5

IOP2/MSC3 BLOCK DIAGRAM



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MESSAGE SWITCH CONTROL UNIT, MODEL 3	DWG SIZE	ISSUE
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Lucent Technologies	SD-5D508-01	SHEET H5