

ENGINEERING NOTES

51. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT. JOB INFORMATION SHALL BE RECORDED BY LIST OR GROUP.

52. REFER TO TRANSLATION GUIDE (TG5) FOR CLI VALUES.

53. DOLLAR SIGNS (\$) IN FRONT OF AND BEHIND WORDS, SENTENCES, PARAGRAPHS, AND/OR CHARACTERS INDICATE HORIZONTALLY LINED-OUT INFORMATION.

54. IN TABLE A DESCRIPTION FIELD INFORMATION ENCLOSED IN < > IS FOR REPORT PURPOSES ONLY AND IS NOT TO BE USED FOR ENGINEERING.

55. LISTS 1A AND 12 ARE MUTUALLY EXCLUSIVE. ORDER LIST 1A FOR CABINETS 4&7. ORDER LIST 12 FOR CABINETS 3&8,2&9,1&10,0&11.

151. \$THIS LIST IS NOT GENERALLY AVAILABLE, BUT IS INTENDED TO\$ \$SUPPORT FACTORY OFFLOADS FROM NETWORK SYSTEMS INTERNATIONAL\$ \$(NSI).\$

499. REPLACEMENT APPARATUS BLANKS CAN BE ORDERED FROM ED5D868-30, 5ESS SWITCH COMMON USE HARDWARE AND MATERIAL.

500. THIS LIST MAY BE SPECIFIED AS A MAIN OR SUPPLEMENTAL ITEM.

ISSUE NOTES (CONTINUED)

H8384 - IN TABLE A: RERATE LISTS 1,F1,F2,F3,F4,F5 TO DA; ADD LISTS 1A,F6,F7; ADD LIST 1A TO DESCRIPTION OF LISTS 2,3,4,5,6,7,8,9,10,11.
 IN STOCKLIST: ADD ITEMS 1125,1255; LINEOUT ITEMS 1100,1110,1120; ADD LIST 1A TO ITEM 1010.
 IN ENGINEERING NOTES: ADD NOTES 499,500; LINEOUT NOTE 151; ADD NOTE REFERENCE 500 TO TABLE A LISTS 2,3,4,5,6,7,8,9,10,11, A,B,C,D,E,F,G,H,J,K,L,M,N,P,R,S,T,V,W,X,Y,Z,AA,AB.
 IN MANUFACTURING NOTES: ADD NOTE 27.

ORIG ISS: 03/05/93 NDD NBR: NDD5D020NW-140 CHANGE CLASS: ME
 DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 12/31/98 ISSUE: 8

H8371 - IN TABLE A, RERATE LIST WA TO DA; ADD LIST 12; ADD LIST 12 TO DESC OF LISTS 2,3,4,5,6,7,8,9,11,Y,F6; ADD LIST 1A TO DESC OF LIST Y;
 ADD "TO BE MOUNTED IN CABINETS 4&7 ONLY" TO DESCRIPTION OF LIST 1A AND REFERENCE TO NOTE 55; ADD "TO PROVIDE MUX CONTROLLER PACK UN197" TO DESCRIPTION OF LIST 2.
 IN STOCKLIST, ADD ITEM 1015.
 IN ENGINEERING NOTES, ADD NOTE 55.
 IN MANUFACTURING NOTES, LINEOUT NOTE 24; IN NOTE 15 CHANGE TN198 TO UN198.

ORIG ISS: 03/05/93 NDD NBR: NDD5D020NW-138 CHANGE CLASS: M
 DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 05/14/99 ISSUE: 9

ISSUE NOTES

ORIG ISS: 03/05/93 CHANGE CLASS: B
 DRAFT: PKK ENGR: JRK SUPV: EJZ CERTIFIED: 03/05/93 ISSUE: 1

LISTS A THUR X ADDED TO TA & SL.
 ORIG ISS: 03/05/93 CHANGE CLASS: B
 DRAFT: SEH ENGR: JRK SUPV: CERTIFIED: 05/07/93 ISSUE: 2

LISTS Y,Z,AA,AB,WA ADDED TO TA & SL. SL ITEM 1070 LIST WAS 1.
 NOTE 24 ADDED.
 P11= LIST A,B,C,D,H,R,S,T,V DESCRIPTION CLARIFIED.
 ORIG ISS: 03/05/93 CHANGE CLASS: B
 DRAFT: JRK ENGR: JRK SUPV: CERTIFIED: 07/08/93 ISSUE: 3

H7125 IN TABLE A, REVISED DESCRIPTION OF LISTS G AND H.
 REVISED MANUFACTURING NOTES 15,17,18,22,23, AND 25.
 ADDED MANUFACTURING NOTE 26. REVISED NOTE REFERENCES FOR STOCKLIST ITEMS 1050,1170,AND 1180
 ORIG ISS: 03/05/93 CHANGE CLASS: M
 DRAFT: TLW ENGR: TLW SUPV: PK CERTIFIED: 11/16/93 ISSUE: 4

PI4.1 = IN STOCKLIST, ADDED */ SYMBOL TO ITEM 1250.
 H7198 = IN TABLE A, ADDED LISTS 500 THRU 513,B1 THRU B7, F1 THRU F5,G1 AND G2.
 ADDED ENGINEERING NOTES 151 AND 152.
 IN STOCKLIST, ADDED ITEMS 5000 THRU 5300.
 MISC = CORRECTED MANUFACTURING NOTE 15.
 ORIG ISS: 03/05/93 CHANGE CLASS: MF
 DRAFT: TLW ENGR: TLW SUPV: JBC CERTIFIED: 09/13/94 ISSUE: 5

H7376 = IN TABLE A, ADDED ENGINEERING NOTE REFERENCES TO LIST 500 THRU 511.
 ADDED ENGINEERING NOTES 153 THRU 162.
 ADDED MISCELLANEOUS TABLES D1,D2,D4,D5,D6,D7,D8, AND D10.
 CORRECTED MANUFACTURING NOTE 15.
 ORIG ISS: 03/05/93 CHANGE CLASS: MF
 DRAFT: TLW ENGR: TLW SUPV: CERTIFIED: 02/13/95 ISSUE: 6

H8171 - LISTS DISCONTINUED: 500,501,502,503,504,505,506,507, 508,509,510,511,B1,B2,B3,B4,B5,B6,B7,G1,G2.
 ENG NOTES REMOVED: 152,153,154,155,156,157,158,159,160,161,162 AND TABLE A REFERENCES TO THEM IN LISTS 500,501,502,503,504,505, 506,507,508,509,510,511.
 TABLES REMOVED: D4,D5,D6,D7,D8,D10.
 ORIG ISS: 03/05/93 NDD NBR: NDD5D020NW-121 CHANGE CLASS: ME
 DRAFT: PMR ENGR: PMR SUPV: DWM CERTIFIED: 08/14/97 ISSUE: 7

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BT13

5ESS SWITCHING EQUIPMENT
 SPECIFICATION FOR
 E-BUS UNIT

DWG SIZE C2 ISSUE 9

LUCENT TECHNOLOGIES INC J5D020AE-2 SHEET A1 OF 8

TABLE A-FEATURES												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
ASSEMBLY, WIRING, AND EQUIPMENT FOR ONE E-BUS UNIT DA EFF:12/31/98 FE:J5D020AE-2,L1A		DA	1	1	SD5D085-01	1						
ASSEMBLY, WIRING, AND EQUIPMENT FOR ONE E-BUS UNIT TO BE MOUNTED IN CABINETS 4&7 ONLY. REPL:J5D020AE-2,L1	55		1A	1	SD5D085-01	1						
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1,1A OR 12 FOR ONE E-BUS UNIT TO PROVIDE MUX CONTROLLER PACK UN197.	500		2	1	SD5D085-01	2						
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE LOOP BOARD INCREMENT.	500		3	1	SD5D085-01	13-22		Z				
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE REPEATER #1 INCREMENT.	500		4	1	SD5D085-01	13, 18		X				
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE REPEATER #2 INCREMENT.	500		5	1	SD5D085-01	14-17, 21, 22		X				
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE DATA END TAP INCREMENT.	500		6	1	SD5D085-01	3-5, 8-10						
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE DATA TAP INCREMENT.	500		7	1	SD5D085-01	6, 7, 19, 21, 22		W				
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE CLOCK END TAP INCREMENT.	500		8	1	SD5D085-01	10, 11						
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE CLOCK TAP INCREMENT.	500		9	1	SD5D085-01	20						
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE REPEATER #3 INCREMENT.	500		10	1	SD5D085-01	14-17						
APPARATUS REQUIRED IN ADDITION TO LIST 1,1A OR 12 TO PROVIDE ONE REPEATER #4 INCREMENT.	500		11	1	SD5D085-01	13, 18						
ASSEMBLY, WIRING AND EQUIPMENT FOR ONE E-BUS UNIT TO BE MOUNTED IN CABINETS 3&8,2&9,1&10,0&11 ONLY. REPL:NONE	55		12	1	SD5D085-01	(1)	Y					
ASSEMBLY, WIRING, AND EQUIPMENT FOR ONE E-BUS UNIT FOR CM2 BAYS 4 OR 7. DA EFF:08/14/97 FE/RA:NONE	151	DA	500	1	SD5D085-01	1	V					
ASSEMBLY, WIRING, AND EQUIPMENT FOR ONE E-BUS UNIT FOR CM2 BAYS 0 THRU 3 OR 8 THRU 11. DA EFF:08/14/97 FE/RA:NONE	151	DA	501	1	SD5D085-01	1	Y					
APPARATUS FOR MUX CONTROL DA EFF:08/14/97 FE/RA:NONE	151	DA	502	1	SD5D085-01	2						
APPARATUS FOR LOOP BOARD DA EFF:08/14/97 FE/RA:NONE	151	DA	503	1	SD5D085-01	13 14 15 16 17 18 21 22	OR OR OR OR OR OR OR	Z Z Z Z Z Z Z				

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		EQUIPMENT OR CIRCUIT DATA							SD EQUIVALENT			
DESCRIPTION	REF NOTE	RAT-ING	LIST OR GROUP	QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
APPARATUS FOR REPEATER #1 DA EFF:08/14/97 FE/RA:NONE	151	DA	504	1	SD5D085-01	13 18	OR	X				
APPARATUS FOR REPEATER #2 DA EFF:08/14/97 FE/RA:NONE	151	DA	505	1	SD5D085-01	14 15 16 17 21 22	OR OR OR OR OR	X X X X X X				
APPARATUS FOR DATA END TAP DA EFF:08/14/97 FE/RA:NONE	151	DA	506	1	SD5D085-01	3 4 5 8 9 10						
APPARATUS FOR DATA TAP DA EFF:08/14/97 FE/RA:NONE	151	DA	507	1	SD5D085-01	6 7 19						
APPARATUS FOR CLOCK END TAP DA EFF:08/14/97 FE/RA:NONE	151	DA	508	1	SD5D085-01	11 12						
APPARATUS FOR CLOCK TAP DA EFF:08/14/97 FE/RA:NONE	151	DA	509	1	SD5D085-01	20						
APPARATUS FOR REPEATER #3 DA EFF:08/14/97 FE/RA:NONE	151	DA	510	1	SD5D085-01	14 15 16 17 21 22	OR OR OR OR OR	W W W W W				
APPARATUS FOR REPEATER #4 DA EFF:08/14/97 FE/RA:NONE	151	DA	511	1	SD5D085-01	13 18	OR	W W				
APPARATUS FOR TRANSMIT DATA		DA	512	1	SD5D085-01							
APPARATUS FOR CLOCK		DA	513	1	SD5D085-01							
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 4 FOR DUAL FABRIC IN BAYS 1 THRU 10 OR 0 THRU 11. (REAR) REPL:NONE	500		A	1	ED5D599-10	25						

TABLE-A CONTINUED

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
E-BUS UNIT

DWG SIZE C2 ISSUE 9

LUCENT TECHNOLOGIES INC J5D020AE-2

SHEET A2 OF 8

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 7 FOR DUAL FABRIC IN BAYS 1 THUR 10 OR 0 THRU 11. (REAR) REPL:NONE	500		B	1	ED5D599-10	26					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 3 FOR SINGLE FABRIC IN BAYS 3 THUR 8 OR WHEN EQUIPPED IN BAY 1 FOR DUAL FABRIC IN BAYS 1 THUR 10 OR BAYS 0 THUR 11 OR WHEN EQUIPPED IN BAY 3 FOR DUAL FABRIC IN BAYS 1 THUR 10 OR 0 THUR 11. (REAR) REPL:NONE	500		C	1	ED5D599-10	34					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 8 FOR SINGLE FABRIC IN BAYS 3 THUR 8 OR WHEN EQUIPPED IN BAY 10 FOR DUAL FABRIC IN BAYS 1 THUR 10 OR BAYS 0 THUR 11 OR WHEN EQUIPPED IN BAY 8 FOR DUAL FABRIC IN BAYS 1 THUR 10 OR 0 THUR 11. (REAR) REPL:NONE	500		D	1	ED5D599-10	35					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 2 FOR DUAL FABRIC IN BAYS 1 THUR 10 OR 0 THUR 11. (REAR) REPL:NONE	500		E	1	ED5D599-10	38					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 9 FOR DUAL FABRIC IN BAYS 1 THUR 10 OR 0 THUR 11. (REAR) REPL:NONE	500		F	1	ED5D599-10	39					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 0 FOR DUAL FABRIC IN BAYS 0 THUR 11. (REAR) REPL:NONE	500		G	1	ED5D599-10	40					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 11 FOR DUAL FABRIC IN BAYS 0 THUR 11. (REAR) REPL:NONE	500		H	1	ED5D599-10	41					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 4 FOR SINGLE FABRIC IN BAYS 4 THUR 7. (REAR) REPL:NONE	500		J	1	ED5D599-10	42					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 7 FOR SINGLE FABRIC IN BAYS 4 THUR 7. (REAR) REPL:NONE	500		K	1	ED5D599-10	43					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 4 FOR SINGLE FABRIC IN BAYS 3 THUR 8. (REAR) REPL:NONE	500		L	1	ED5D599-10	44					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 7 FOR SINGLE FABRIC IN BAYS 3 THUR 8. (REAR) REPL:NONE	500		M	1	ED5D599-10	45					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 4 FOR DUAL FABRIC IN BAYS 4 THUR 7. (REAR) REPL:NONE	500		N	1	ED5D599-10	46					
TABLE-A CONTINUED											

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TABLE A-FEATURES (CONTINUED)											
EQUIPMENT		RAT- ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	REF NOTE			QTY	EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 7 FOR DUAL FABRIC IN BAYS 4 THUR 7. (REAR) REPL:NONE	500		P	1	ED5D599-10	47					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 4 FOR DUAL FABRIC IN BAYS 3 THUR 8 OR IN BAY 4 FOR DUAL FABRIC IN BAYS 2 THRU 9. (REAR) REPL:NONE	500		R	1	ED5D599-10	48					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 7 FOR DUAL FABRIC IN BAYS 3 THUR 8 OR IN BAY 7 FOR DUAL FABRIC IN BAYS 2 THRU 9. (REAR) REPL:NONE	500		S	1	ED5D599-10	49					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 3 FOR DUAL FABRIC IN BAYS 3 THUR 8 OR BAY 3 FOR DUAL FABRIC IN BAYS 2 THRU 9. (REAR) REPL:NONE	500		T	1	ED5D599-10	50					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 8 FOR DUAL FABRIC IN BAYS 3 THUR 8 OR BAY 8 FOR DUAL FABRIC IN BAYS 2 THRU 9. (REAR) REPL:NONE	500		V	1	ED5D599-10	51					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 2 FOR DUAL FABRIC IN BAYS 2 THUR 9. (REAR) REPL:NONE	500		W	1	ED5D599-10	52					
PROVIDES DESIGNATION LABEL WHEN UNIT IS EQUIPPED IN BAY 9 FOR DUAL FABRIC IN BAYS 2 THUR 9. (REAR) REPL:NONE	500		X	1	ED5D599-10	53					
PROVIDES DESIGNATION LABELS FOR EBUS WHEN LIST 1,1A OR 12 IS SPECIFIED FOR NS APPLICATIONS. (FRONT) REPL:NONE	500		Y	1	ED5D599-10	58					
PROVIDES DESIGNATION LABELS FOR EBUS WHEN UNIT IS MOUNTED IN CABINETS 4&7 FOR NSI AND COMPATIBLE APPLICATIONS. (FRONT & REAR) REPL:NONE	500		Z	1	ED5D599-10	54, 55					
APPARATUS BLANK 150A DA EFF:08/14/97 FE/RA:NONE	151	DA	B1								
APPARATUS BLANK 158A DA EFF:08/14/97 FE/RA:NONE	151	DA	B2								
TABLE-A CONTINUED											

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5ESS SWITCHING EQUIPMENT
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E-BUS UNIT

DWG SIZE C2 ISSUE 9

LUCENT TECHNOLOGIES INC J5D020AE-2

SHEET A3 OF 8

TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
APPARATUS BLANK 158C DA EFF:08/14/97 FE/RA:NONE	151	DA	B3									
APPARATUS BLANK 158D DA EFF:08/14/97 FE/RA:NONE	151	DA	B4									
APPARATUS BLANK 158F DA EFF:08/14/97 FE/RA:NONE	151	DA	B5									
APPARATUS BLANK 158G DA EFF:08/14/97 FE/RA:NONE	151	DA	B6									
APPARATUS BLANK 158H DA EFF:08/14/97 FE/RA:NONE	151	DA	B7									
FINAL ASSEMBLY KIT (FAS KIT) TO MOUNT THE CMCU IN AN NS CABINET E/W CLASSIC FUSE/FILTER UNIT. DA EFF:12/31/98 FE/RA:NONE	151	DA	F1									
FINAL ASSEMBLY KIT (FAS KIT) TO MOUNT THE CMCU IN AN NSI CABINET E/W CLASSIC FUSE/FILTER UNIT. DA EFF:12/31/98 FE/RA:NONE	151	DA	F2									
FINAL ASSEMBLY KIT (FAS KIT) TO MOUNT THE CMCU IN AN NS CABINET E/W MODULAR FUSE/FILTER UNIT. DA EFF:12/31/98 FE/RA:NONE	151	DA	F3									
FINAL ASSEMBLY KIT (FAS KIT) TO MOUNT THE CMCU IN AN NSI CABINET E/W MODULAR FUSE/FILTER UNIT. DA EFF:12/31/98 FE/RA:NONE	151	DA	F4									
FINAL ASSEMBLY KIT (FAS KIT) TO MOUNT THE CMCU IN A GLOBAL CABINET II. DA EFF:12/31/98 FE/RA:NONE	151	DA	F5									
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1A OR 12 TO PROVIDE APPARATUS BLANK KIT. REPL:NONE	499		F6									
FINAL ASSEMBLY KIT TO INSTALL A EBUS UNIT. REPL:NONE	500		F7									
PROVIDES UNIT GUIDE KIT TO MOUNT CMCU IN 5ESS CABINET OR 5ESS-2000 CABINET. DA EFF:08/14/97 FE/RA:NONE	151	DA	G1									
PROVIDES UNIT GUIDE KIT TO MOUNT E-BUS IN A GLOBAL CABINET. DA EFF:08/14/97 FE/RA:NONE	151	DA	G2									
PROVIDES DESIGNATION LABELS FOR EBUS WHEN UNIT IS MOUNTED IN CABINETS 3&8/1&10 FOR NSI AND COMPATIBLE APPLICATIONS. (FRONT & REAR) REPL:NONE	500		AA	1	ED5D599-10	54, 56						
PROVIDES DESIGNATION LABELS FOR EBUS WHEN UNIT IS MOUNTED IN CABINETS 2&9/0&11 FOR NSI AND COMPATIBLE APPLICATIONS. (FRONT & REAR) REPL:NONE	500		AB	1	ED5D599-10	54, 57						

TABLE-A CONTINUED

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TABLE A-FEATURES (CONTINUED)												
EQUIPMENT		REF NOTE	RAT-ING	LIST OR GROUP	EQUIPMENT OR CIRCUIT DATA					SD EQUIVALENT		
DESCRIPTION	QTY				EQUIPMENT OR CIRCUIT	L/G OR FIG	WRG	APP	SCHEMATIC	FIG	OPT	
WIRING REQUIRED IN ADDITION TO LIST 1 ONLY WHEN THIS UNIT IS TO BE MOUNTED IN BAYS 3&8 AND BAYS 2&9 AND BAYS 1&10 AND BAYS 0&11. REPL:NONE DA EFF:05/07/99 FE:J5D020AE-2,L12	1	DA	WA									

END OF TABLE-A

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
E-BUS UNIT

DWG SIZE C2 ISSUE 9

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SHEET A4 OF 8

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SHO P T	IN S T	MANUFACTURING NOTES
		***** CONTINUED *****
		228,245-142 328,345-142 828,845-142 928,945-142 1028,1045-142
X X		F). DUAL FABRIC, BAYS 0 THRU 11 028,045-142 128,145-142 228,245-142 328,345-142 828,845-142 928,945-142 1028,1045-142 1128,1145-142
X X		22. UN500 CIRCUIT PACKS SHALL BE EQUIPPED AS FOLLOWS: A). BAYS 1 OR 3 OF A CM2 LINE-UP: UNIT EQL ----- 006 B). BAYS 8 OR 10 OF A CM2 LINE-UP: UNIT EQL ----- 176
X X		23. UN501 CIRCUIT PACKS SHALL BE EQUIPPED AS FOLLOWS: A). SINGLE FABRIC, BAYS 3 THRU 8: 328-014,022,028 828-158,164,170 B). DUAL FABRIC, BAYS 3 THRU 8 OR BAYS 2 THRU 9: 328,345-014,022 828,845-164,170 D). DUAL FABRIC, BAYS 1 THRU 10 OR BAYS 0 THRU 11: 128,145-014,022,028 328,345-014,022,028 828,845-158,164,170 1028,1045-158,164,170
X		24. \$ WHEN LIST WA IS SPECIFIED THE ED5D580-30 BACKPLANE MUST HAVE \$ \$ ISOLATE PINS (15) INSTALLED IN THE FOLLOWING LOCATIONS. WHEN \$ \$ COMPLETE THE BACKPLANE SHOULD BE STAMPED "MOD A" AND WIRING \$ \$ APPLIED. SEE D3J5D020AE-2 FOR COMPLETE MODIFICATION \$ \$ INFORMATION. \$ \$ 04-006-014, 04-006-015, 04-006-113, \$ \$ 04-012-014, 04-012-015, 04-013-013, \$ \$ 04-014-512, 04-022-512, 04-028-512, \$ \$ 04-158-512, 04-164-512, 04-170-512, \$ \$ 04-176-014, 04-176-015, 04-176-113 \$
X X		25. UN503 CIRCUIT PACKS SHALL BE EQUIPPED AS FOLLOWS: A). BAYS 2 THRU 9: 228,245-164,170 928,945-014,022 B). BAYS 1 THRU 10 228,245-158,164,170 928,945-014,022,028 C). BAYS 0 THRU 11 028,045-158,164,170 228,245-158,164,170 928,945-014,022,028 1128,1145-014,022,028
X X		26. UN504 CIRCUIT PACKS SHALL BE EQUIPPED AS FOLLOWS: A). BAYS 0 OR 2 OF A CM2 LINE-UP: UNIT EQL ----- 176 B). BAYS 9 OR 11 OF A CM2 LINE-UP: UNIT EQL ----- 006
X X		27. ===== POSITION APPARATUS COMCODE NUMBER BLANK TYPE ----- - 150B 104013743 74 158A 104042106 88 158A 104042106 02 158C 104042122 04 158D 104042130 08 158D 104042130 11 158D 104042130 28 158D 104042130 31 158D 104042130 ----- CONTINUED ON NEXT SHEET -----

SHO P T	IN S T	MANUFACTURING NOTES
		***** CONTINUED *****
		B). SINGLE FABRIC, BAYS 3 THRU 8 428-158,164,170 728-014,022,028
		C). DUAL FABRIC, BAYS 4 THRU 7 428-170 445-170 728-014 745-014
		D). DUAL FABRIC, BAYS 3 THRU 8 OR BAYS 2 THRU 9 428-164,170 445-164,170 728-014,022 745-014,022
		E). DUAL FABRIC, BAYS 1 THRU 10 OR BAYS 0 THRU 11 428-158,164,170 445-158,164,170 728-014,022,028 745-014,022,028
X X		18. UN311 CIRCUIT PACKS TO BE EQUIPPED AS FOLLOWS: A). SINGLE FABRIC, BAYS 4 THRU 7 428-126,136 728-126,136 B). SINGLE FABRIC, BAYS 3 THRU 8 328-126,136,148 428-126,136,148 728-126,136,148 828-126,136,148 C). DUAL FABRIC, BAYS 4 THRU 7 UN311 NOT REQUIRED D). DUAL FABRIC, BAYS 3 THRU 8 328-126,136 345-126,136 828-126,136 845-126,136 E). DUAL FABRIC, BAYS 2 THRU 9 228,245-126,136 328,345-126,136 828,845-126,136 928,945-126,136 F). DUAL FABRIC, BAYS 1 THRU 10 128,145-126,136,148 228,245-126,136,148 328,345-126,136,148 828,845-126,136,148 928,945-126,136,148 1028,1045-126,136,148 1128,1145-126,136,148 G). DUAL FABRIC, BAYS 0 THRU 11 028,045-126,136,148 128,145-126,136,148 228,245-126,136,148 328,345-126,136,148 828,845-126,136,148 928,945-126,136,148 1028,1045-126,136,148 1128,1145-126,136,148
X X		19. UN312 CIRCUIT PACKS ARE ALWAYS EQUIPPED IN BAYS 4 & 7 REGARDLESS OF SM'S, SINGLE OR DUAL FABRIC, AS FOLLOWS: BAY 4-EQL 176 BAY 7-EQL 006
X X		21. UN313 CIRCUIT PACKS TO BE EQUIPPED AS FOLLOWS: A). SINGLE FABRIC, BAYS 4 THRU 7 428-142 728-142 B). SINGLE FABRIC, BAYS 3 THRU 8 328-142 428-142 728-142 828-142 C). DUAL FABRIC, BAYS 3 THRU 8 328-142 345-142 828-142 845-142 D). DUAL FABRIC, BAYS 2 THRU 9 228,245-142 328,345-142 828,845-142 928,945-142 E). DUAL FABRIC, BAYS 1 THRU 10 128,145-142

SHO P T	IN S T	MANUFACTURING NOTES
		1. X PARTS REQUIRED FOR INSTALLATION.
		X/ PARTS REQUIRED FOR MANUFACTURE WHEN EQUIPMENT IS SHOP MOUNTED OR BY THE INSTALLER WHEN THE EQUIPMENT IS TO BE FIELD MOUNTED.
		* PARTS THAT ARE TO BE SHIPPED ATTACHED TO OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM.
		*/ PARTS (A) REQUIRED FOR MANUFACTURE WHEN EQUIPMENT INVOLVED IS SHOP MOUNTED OR (B) TO BE SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED ASSEMBLED ITEM WHEN FIELD MOUNTED.
		() INDICATES DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.
		{ } INDICATES DESIGNATIONS SHOWN FOR INFORMATION ONLY AND ARE NOT TO BE STAMPED.
		< > INDICATES DESIGNATIONS AND/OR INFORMATION PROVIDED IN ACCORDANCE WITH OTHER INFORMATION.
		"W" PARTS ASSEMBLED AT THE SAME TIME THE EQUIPMENT IS MOUNTED.
		"W*" PARTS TO BE (A) SHOP ASSEMBLED, BUT WHICH CANNOT BE ASSEMBLED UNTIL THE ASSOCIATED EQUIPMENT IS BEING MOUNTED, OR (B) SHIPPED ATTACHED TO, OR ENCLOSED IN THE SAME CONTAINER WITH THE ASSOCIATED EQUIPMENT WHEN FIELD MOUNTED.
		"S" PARTS NOT ASSEMBLED, SHIPPED SEPARATELY.
		A/R AS REQUIRED.
		"B" PARTIAL ASSEMBLIES ON OTHER DRAWINGS WITH STOCKLISTS.
X X		14. \$WHEN MOUNTED IN BAY 4, UN196 CIRCUIT PACK IS EQUIPPED IN EQL 176 WHEN MOUNTED IN BAY 7, UN196 CIRCUIT PACK IS EQUIPPED IN EQL 006\$
X X		15. UN198 CIRCUIT PACK IS ONLY EQUIPPED AT THE END OF THE CM2 LINE-UP FOR 4, 8, OR 12 BAY CONFIGURATIONS. THEREFORE, AS GROWTH OCCURS THE UN198 IS REMOVED FROM IT'S CURRENT POSITION. IF THE GROWTH RESULTS IN A 6 OR 10 BAY CONFIGURATION, THE UN198(S) ARE STORED FOR FUTURE USE. IF THE GROWTH RESULTS IN AN 8 OR 12 BAY CONFIGURATION, THE UN198 IS INSTALLED IN THE OUTSIDE BAYS OF THE NEW CONFIGURATION.
		A). SINGLE FABRIC, BAYS 4 THRU 7 428-006,014 728-170,176
		B). SINGLE FABRIC, BAYS 3 THRU 8 UN198 NOT REQUIRED
		C). DUAL FABRIC, BAYS 4 THRU 7 428-006 445-006 728-176 745-176
		D). DUAL FABRIC, BAYS 3 THRU 8 UN198 NOT REQUIRED
		E). DUAL FABRIC, BAYS 2 THRU 9 228-006,014 245-006,014 928-170,176 945-170,176
		F). DUAL FABRIC, BAYS 1 THRU 10 UN198 NOT REQUIRED
		G). DUAL FABRIC, BAYS 0 THRU 11 028-006,014,022 045-006,014,022 1128-164,170,176 1145-164,170,176
X X		16. APPARATUS BLANKS TO BE REMOVED AS CIRCUIT PACKS ARE EQUIPPED.
X X		17. UN310 CIRCUIT PACKS TO BE EQUIPPED AS FOLLOWS: A). SINGLE FABRIC, BAYS 4 THRU 7 428-164,170 728-014,022

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
E-BUS UNIT

DWG SIZE C2	ISSUE 9
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LUCENT TECHNOLOGIES INC J5D020AE-2 SHEET D1 OF 8

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1,1A	1	846981579		ASSEMBLY, SHELF			
1015	12	1	848181764		ASSEMBLY, SHELF			
1020	2	1	103812244	UN197	PACK,CIRCUIT CLEI = E5PQ09CAXX EQPT POS 094			
1030	3	1	103812251	UN198	PACK,CIRCUIT CLEI = E5PQ09DAXX			15
1040	4	1	105171227	UN500	PACK,CIRCUIT CLEI = E5PQ38GAXX			22
1050	5	1	105171235	UN501	PACK,CIRCUIT CLEI = E5PQ38HAXX			23
1060	1	1	402715213	KSZ020/L1	NAMEPLATE 0.6 IN.HI.X 22.46 IN.WD.			
1070	Z AA AB	1 1 1	ED5D599-10,G54 G54 G54		LABEL			
1080	1	14	104042130	158D	BLANK, APPARATUS POS 4,8,11,28,31,57 POS 58,60,65,71,76 POS 79,82,85			
1090	1	1	104042122	158C	BLANK, APPARATUS POS 2			
1100	3	OMIT 1	104042122	158C	BLANK, APPARATUS POS 2			16
1110	3	OMIT 1	104042130	158D	BLANK, APPARATUS POS 85			16
1120	3	OMIT 1	104042130	158D	BLANK, APPARATUS POS 4 OR POS 8 OR POS 79 OR POS 82 OR 85			16
1125	F6	1	848195947		KIT, APPARATUS BLANK			27
1130	6	1	104368667	UN310	PACK,CIRCUIT CLEI = E5PQ37EAXX			17
1140	7	1	104369624	UN311	PACK,CIRCUIT CLEI = E5PQ51HAXX			18
1150	8	1	104369632	UN312	PACK,CIRCUIT CLEI = E5PQ51KA			19
1160	9	1	104369640	UN313	PACK,CIRCUIT CLEI = E5PQ51JAXX			21
1170	10	1	104373493	UN503	PACK,CIRCUIT CLEI = E5PQ37SAXX			25
1180	11	1	104373501	UN504	PACK,CIRCUIT CLEI = E5PQ37TAXX			26
1200	1	1	103752721	150A	BLANK, APPARATUS			
1210	1	1	104042163	158G	BLANK, APPARATUS POS 7			
1220	1	2	104042106	158A	BLANK, APPARATUS POS 74,88			
1230	1	4	104167531	158H	BLANK, APPARATUS POS 32,37,50,55			
1240	1	4	104042155	158F	BLANK, APPARATUS POS 16,21,25,41			
1250	1	1	847020823		KIT, MOUNTING			*/
1255	F7	1	847020823		KIT, MOUNTING			
1260	A	1	ED5D599-10,G25		LABEL			
1270	B	1	ED5D599-10,G26		LABEL			
1280	C	1	ED5D599-10,G34		LABEL			
1290	D	1	ED5D599-10,G35		LABEL			
1300	E	1	ED5D599-10,G38		LABEL			

STOCKLIST CONTINUED ON SHEET D3

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S H O P	I N S T	MANUFACTURING NOTES		
		***** CONTINUED *****		
		57	158D	104042130
		58	158D	104042130
		60	158D	104042130
		65	158D	104042130
		71	158D	104042130
		76	158D	104042130
		79	158D	104042130
		82	158D	104042130
		85	158D	104042130
		16	158F	104042155
		21	158F	104042155
		25	158F	104042155
		41	158F	104042155
		07	158G	104042163
		32	158H	104167531
		37	158H	104167531
		50	158H	104167531
		55	158H	104167531

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1310	F	1	ED5D599-10,G39		LABEL			
1320	G	1	ED5D599-10,G40		LABEL			
1330	H	1	ED5D599-10,G41		LABEL			
1340	J	1	ED5D599-10,G42		LABEL			
1350	K	1	ED5D599-10,G43		LABEL			
1360	L	1	ED5D599-10,G44		LABEL			
1370	M	1	ED5D599-10,G45		LABEL			
1380	N	1	ED5D599-10,G46		LABEL			
1390	P	1	ED5D599-10,G47		LABEL			
1400	R	1	ED5D599-10,G48		LABEL			
1410	S	1	ED5D599-10,G49		LABEL			
1420	T	1	ED5D599-10,G50		LABEL			
1430	V	1	ED5D599-10,G51		LABEL			
1440	W	1	ED5D599-10,G52		LABEL			
1450	X	1	ED5D599-10,G53		LABEL			
1460	Y	1	ED5D599-10,G58		LABEL			
1470	Z	1	ED5D599-10,G55		LABEL			
1480	AA	1	ED5D599-10,G56		LABEL			
1490	AB	1	ED5D599-10,G57		LABEL			
5000	500	1	847146776		ASSEMBLY, SHELF			
5010	501	1	847192887		ASSEMBLY, SHELF			
5020	F1	1	847148798		KIT, FINAL ASSEMBLY			
5030	F2	1	847148814		KIT, FINAL ASSEMBLY			
5040	F3	1	847148806		KIT, FINAL ASSEMBLY			
5050	F4	1	847148822		KIT, FINAL ASSEMBLY			
5090	G1	1	847196748		KIT, MOUNTING UNIT GUIDE FOR 132 TYPE APP MTG			
5100	502	1	103812244	UN197	PACK,CIRCUIT CLEI = E5PQ09CAXX			
5110	503	1	103812251	UN198	PACK,CIRCUIT CLEI = E5PQ09DAXX			14
5120	504	1	105171227	UN500	PACK,CIRCUIT CLEI = E5PQ38GAXX			
5130	505	1	105171235	UN501	PACK,CIRCUIT CLEI = E5PQ38HAXX			21
5140	506	1	104368667	UN310	PACK,CIRCUIT CLEI = E5PQ37EAXX			
5150	507	1	104369624	UN311	PACK,CIRCUIT CLEI = E5PQ51HAXX EQPT POS 86 EQPT POS 56			
5160	508	1	104369632	UN312	PACK,CIRCUIT CLEI = E5PQ51KA EQPT POS 13			
5170	509	1	104369640	UN313	PACK,CIRCUIT CLEI = E5PQ51JAXX EQPT POS 53,60,78			
5180	510	1	104373493	UN503	PACK,CIRCUIT CLEI = E5PQ37SAXX EQPT POS 68,72			
5190	511	1	104373501	UN504	PACK,CIRCUIT CLEI = E5PQ37TAXX EQPT POS 88			
5200	512	1	103812228	UN195	PACK,CIRCUIT CLEI = E5PQ09AAXX			

***** STOCKLIST CONTINUED AT RIGHT *****

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5210	513	1	103812236	UN196	PACK,CIRCUIT CLEI = E5PQ09BAXX			
5220	F5	1	847272606		KIT, FINAL ASSEMBLY			
5230	G2	1	847286721		KIT, MOUNTING			
5240	B1	1	103752721	150A	BLANK, APPARATUS			
5250	B2	1	104042106	158A	BLANK, APPARATUS			
5260	B3	1	104042122	158C	BLANK, APPARATUS			
5270	B4	1	104042130	158D	BLANK, APPARATUS			
5280	B5	1	104042155	158F	BLANK, APPARATUS			
5290	B6	1	104042163	158G	BLANK, APPARATUS			
5300	B7	1	104167531	158H	BLANK, APPARATUS			

***** END OF STOCKLIST *****

TABLE D1

STOCKLIST FOR FASKIT 848195947 ISS: 2 CERTIFIED			
QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
1	103752721	150A	BLANK, APPARATUS
2	104042106	158A	BLANK, APPARATUS
1	104042122	158C	BLANK, APPARATUS
14	104042130	158D	BLANK, APPARATUS
4	104042155	158F	BLANK, APPARATUS
1	104042163	158G	BLANK, APPARATUS
4	104167531	158H	BLANK, APPARATUS

STOCKLIST FOR FASKIT 847020823 ISS: 3 CERTIFIED			
QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
1	104226600	151C	STRIP, DESIGNATION
4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) PLATE 289A FINISH
4	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2
2	407763218		LABEL, DESIGNATION #P-258SCP TOPFLIGHT CORP.

STOCKLIST FOR FASKIT 847148798 ISS: 1 CERTIFIED			
QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
*** CONTINUED ***			

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** CONTINUED **

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
1	104226600	151C	STRIP, DESIGNATION
0	406500926		LABEL, DESIGNATION OA WD .60 IN X OA LG 24.10 IN TOPLIGHT CORP.
4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) PLATE 289A FINISH
STOCKLIST FOR FASKIT 847148814 ISS: 1 CERTIFIED			
1	104226600	151C	STRIP, DESIGNATION
0	406500926		LABEL, DESIGNATION OA WD .60 IN X OA LG 24.10 IN TOPLIGHT CORP.
4	847079860		BOLT, MACHINE HEXAGONAL STEEL 18.10 M6X16
4	847079779		WASHER, TOOTH LOCK CABLE RACK
4	847078912		TUBE, SPRING BLACK
4	847078904		NUT, SPEED ZINC PLATED HEAVY PASSIVATED YELLOW
STOCKLIST FOR FASKIT 847148806 ISS: 1 CERTIFIED			
1	104226600	151C	STRIP, DESIGNATION
0	406500926		LABEL, DESIGNATION OA WD .60 IN X OA LG 24.10 IN TOPLIGHT CORP.
4	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) PLATE 289A FINISH
STOCKLIST FOR FASKIT 847148822 ISS: 1 CERTIFIED			
1	104226600	151C	STRIP, DESIGNATION
0	406500926		LABEL, DESIGNATION OA WD .60 IN X OA LG 24.10 IN TOPLIGHT CORP.
4	847079860		BOLT, MACHINE HEXAGONAL STEEL 18.10 M6X16
4	847079779		WASHER, TOOTH LOCK CABLE RACK
4	847078912		TUBE, SPRING BLACK
4	847078904		NUT, SPEED ZINC PLATED HEAVY PASSIVATED YELLOW

*** CONTINUED ***

** CONTINUED **

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
1	104226600	151C	STRIP, DESIGNATION
0	406500926		LABEL, DESIGNATION OA WD .60 IN X OA LG 24.10 IN TOPLIGHT CORP.
4	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2

TABLE D2

QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION
2	843078015		GUIDE
8	840026835		SCREW, TTF SLOTTED HEX, WASHER HD .216-24 X 5/8 TAPPING TYPE (SWAGE FORM) PLATE 289A FINISH
STOCKLIST FOR UNIT GUIDE KIT 847196748 ISS: 2 CERTIFIED			
2	843078015		GUIDE
8	901271031		SCREW, HEXAGONAL WASHER #M6X16 PHILLIPS ACR 2
STOCKLIST FOR UNIT GUIDE KIT 847286721 ISS: 2 CERTIFIED			

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