

ISSUE NOTES (CONTINUED)				
H7370 - TABLE A, ADDED ENG. NOTE REF. TO LIST 1-3, 5-14, 17-24, 30-32. ADDED LISTS B4, B5, 25-27 FOR GC COMPATIBILITY. STOCKLIST, ADDED ITEMS 5290, 5300. REMOVED NOTE REF. ITEMS 5000, 5010. NEW FASKITS FOR ITEMS 5020, 5050, 5260. DELETED ITEMS 5070-5240. ADDED NEW LIST REF. TO ITEMS 1151, 1380, 1530. ENGINEERING NOTES, ADDED NOTES 152-157. MISCELLANEOUS TABLES, DELETED TABLE DD. ADDED TABLES D4-D10.				
ORIG ISS: 02/02/93		CHANGE CLASS: M		
DRAFT: RMW	ENGR: RMW	SUPV: DWS	CERTIFIED: 02/10/95	ISSUE: 12
H7498 - TABLE A, DA LISTS D1 - D10 D13 - D18 THESE LIST WERE ADDED FOR GC IN ERROR. IN STOCKLIST, MODIFIED LISTS 1390, 1400, 1430 - 1520, 1600 - 1650 TO ADD D LIST REFERENCE FOR EDIT MASTER. IN MISC. TABLES, REMOVED TABLE D9 THIS TABLE WAS USED FOR D LISTS.				
ORIG ISS: 02/02/93		CHANGE CLASS: M		
DRAFT: RMW	ENGR: RMW	SUPV: DWM	CERTIFIED: 03/10/95	ISSUE: 13
C54511 IN TABLE A: DA LIST 23, ADD LIST 28. IN ENG. NOTES: MODIFIED NOTE 58 TO ADD LIST 28. IN STOCKLIST: ADDED ITEM 1581 FOR LIST 28. IN MISC. TABLES: MODIFIED TABLES CC, D4, D5, & D10 FOR NEW LIST AND COMCODE.				
ORIG ISS: 02/02/93		CHANGE CLASS: AU		
DRAFT: RMW	ENGR: RMW	SUPV: DWM	CERTIFIED: 04/06/95	ISSUE: 14
H7772 IN TABLE A: DA LIST 2, ADD LIST 33. IN ENG. NOTES: MODIFIED NOTE 55 TO REMOVE LIST 2 AND ADD LIST 33. IN STOCKLIST ADD ITEM 1021 FOR LIST 33. IN MISC. TABLES: MODIFIED TABLES D4 AND D5. IN MANUFACTURING NOTES REINSTATE NOTE 1. UPDATED GRAPHIC SHEET B1 WITH LUCENT TECHNOLOGIES. UPDATED SHEET INDEX.				
ORIG ISS: 02/02/93		CHANGE CLASS: ME		
DRAFT: RMW	ENGR: RMW	SUPV: DWM	CERTIFIED: 04/16/97	ISSUE: 15
C74531 IN STOCKLIST, ADDED NEW CLEI CODE FOR ITEMS 1130, 1140, 1151, 1380.				
ORIG ISS: 02/02/93		CHANGE CLASS: AC		
DRAFT: RMW	ENGR: RMW	SUPV: RJP	CERTIFIED: 09/24/97	ISSUE: 16

ISSUE NOTES (CONTINUED)				
H7187 - TABLE A, ADDED LISTS 23, 24, AND L13 - L18 STOCKLIST, ADDED ITEMS 1580 - 1650 ENG NOTES, CHANGED NOTES 58, 59, AND 74 MIS. TABLES, CHANGED TABLE CC PI 7.1, 7.2 - ENG. NOTE, CHANGED NOTE 60. STOCKLIST, CHANGED DESCRIPTION ITEMS 1210, 1220				
ORIG ISS: 02/02/93		NDD NBR: NDD5D020NW-73 CHANGE CLASS: B		
DRAFT: RMW	ENGR: RMW	SUPV: JBC	CERTIFIED: 05/10/94	ISSUE: 8
C44506 IN TABLE A ADDED LIST 15A, LIST 15 WAS STANDARD. IN STOCKLIST ADDED ITEM 1151. REVISED ENG. NOTE 59.				
ORIG ISS: 02/02/93		CHANGE CLASS: AU		
DRAFT: RMW	ENGR: RMW	SUPV: JBC	CERTIFIED: 06/22/94	ISSUE: 9
H7230 PIC DATE 2 - ENG. NOTES, ADDED NOTE 151, MODIFIED NOTE 80. TABLE A, ADDED LISTS 30-32, B1-B3, D1-D18, F1-F3, G1, G2. STOCKLIST, ADDED ITEMS 5000-5280. MIS. TABLES, ADDED TABLE DD.				
ORIG ISS: 02/02/93		CHANGE CLASS: M		
DRAFT: RMW	ENGR: RMW	SUPV: JBC	CERTIFIED: 07/08/94	ISSUE: 10
H7290 TABLE A, DA LISTS L11, L12, D11, D12. MODIFIED LISTS L13, L14, D13, D14. STOCKLIST, MODIFIED ITEMS 1600, 1610, 5190, 5200, 1210 1220. MODIFIED MISCELLANEOUS TABLES CC, DD.				
PII0.1 STOCKLIST, MODIFIED ITEM 1370, GRAPHICS SHEETS, MODIFIED SHEET B1, SHEET INDEX, MODIFIED RECORD 1.				
PII0.2 STOCKLIST, MODIFIED ITEM 5060. TABLE A, MODIFIED ITEMS 23, 24.				
ORIG ISS: 02/02/93		CHANGE CLASS: M		
DRAFT: RMW	ENGR: RMW	SUPV: JBC	CERTIFIED: 10/07/94	ISSUE: 11

ISSUE NOTES				
SUPPLEMENT #1 IS IN ISSUE 1W4				
ORIG ISS: 02/02/93		NDD NBR: H6929 CHANGE CLASS: B		
DRAFT: TLW	ENGR: TLW	SUPV: PK	CERTIFIED: 02/02/93	ISSUE: 1
H7011 ADDED LISTS 16A, L1 THRU L12 ADDED STOCKLIST ITEMS 1380 THRU 1520. REVISED ENGINEERING NOTE 72 AND MANUFACTURING NOTE 18.				
ORIG ISS: 02/02/93		CHANGE CLASS: AI		
DRAFT: TLW	ENGR: TLW	SUPV: PK	CERTIFIED: 03/30/93	ISSUE: 2
C34533: IN TABLE A, ADDED LIST 4A, LIST 4 WAS STANDARD. IN STOCKLIST, ADDED ITEM 1530.				
PI2.X REVISED TABLE CC, LINED OUT MANUFACTURING NOTE 17. IN STOCKLIST, REVISED IDENTIFIER OF ITEMS 1390 THRU 1520				
ORIG ISS: 02/02/93		CHANGE CLASS: AU		
DRAFT: TLW	ENGR: TLW	SUPV: PK	CERTIFIED: 05/20/93	ISSUE: 3
H7072 ADDED ENGINEERING NOTES 76 THRU 78. IN TABLE A, REVISED LIST 1, ADDED LISTS R AND S. IN STOCKLIST, REVISED ITEMS 1340 AND 1350.				
PI REVISED ENGINEERING NOTES 72 AND 73. IN TABLE A, REVISED LISTS 18, G, H, K, LIST L WAS STANDARD, ADDED LISTS R & S. ADDED MANUFACTURING NOTE 19. IN STOCKLIST, REVISED DESCRIPTION OF ITEMS 1020 THRU 1220, 1240, AND 1290.				
PI2.3 IN STOCKLIST, REVISED DESCRIPTION OF ITEMS 1300, 1320, AND 1330.				
ORIG ISS: 02/02/93		CHANGE CLASS: B		
DRAFT: TLW	ENGR: TLW	SUPV: PK	CERTIFIED: 06/18/93	ISSUE: 4
H7169 = IN STOCKLIST, ADDED NEW CLEI CODE FOR ITEM 1050.				
ORIG ISS: 02/02/93		CHANGE CLASS: AC		
DRAFT: TLW	ENGR: TLW	SUPV: JBC	CERTIFIED: 02/10/94	ISSUE: 5
CHANGE ENG. NOTES 65, 66, & 68 ADD ENG. NOTES 79 & 80 DA TABLE A LISTS J, K, & 16 ADD TABLE A LISTS T, V, W, & X ADD STOCKLIST ITEMS 1540, 1550, 1560, & 1570				
ORIG ISS: 02/02/93		NDD NBR: H7162 CHANGE CLASS: M		
DRAFT: RMW	ENGR: RMW	SUPV: JBC	CERTIFIED: 04/08/94	ISSUE: 6
C44506 = IN STOCKLIST, ADDED NEW CLEI CODE FOR ITEM 1150				
ORIG ISS: 02/02/93		CHANGE CLASS: AC		
DRAFT: RMW	ENGR: RMW	SUPV: JBC	CERTIFIED: 04/08/94	ISSUE: 7

SHEET INDEX									
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ISSUE	D1 THRU D4		ISSUE 25						
SHT NBR	B1								
ISSUE	15								
SHT NBR									
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		DWG SIZE C2	ISSUE 25
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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 1 THRU 4, 7, 8, AND 17 THRU 20 ARE ALWAYS REQUIRED.\$
\$LISTS 1 THRU 3, 4A, 7, 8, AND 17 THRU 20 ARE ALWAYS REQUIRED.\$
\$LISTS 1, 3, 4A, 7, 8, 17 THRU 20, AND 33 ARE ALWAYS REQUIRED.\$
\$LISTS 1, 3A, 4A, 7, 8, 17 THRU 20, AND 33 ARE ALWAYS REQUIRED.
56. THE FIRST LIST 6 IS ALWAYS REQUIRED AND PROVIDES SINGLE MMP'S. ORDER A SECOND LIST 6 TO PROVIDE DUAL MMP'S.
57. LISTS 9, 10, 11, AND 12 ARE MUTUALLY EXCLUSIVE, BUT ONE OF THESE LISTS IS ALWAYS REQUIRED.
58. LISTS 13, 14, AND \$23\$ 28 ARE MUTUALLY EXCLUSIVE, BUT ONE OF THESE LISTS IS ALWAYS ORDERED. ORDER LIST 13 IF LIST 9 OR 11 IS ORDERED, ORDER LIST 14 IF LIST 10 OR 12 IS ORDERED. ORDER LIST \$23\$ 28 IF LIST 11 OR 12 IS ORDERED AND SYNCHRONIZATION VIA 64KBS REFERENCE IS REQUIRED.
59. \$LIST 15 AND 16 ARE MUTUALLY EXCLUSIVE, BUT ONE OF THESE\$ \$LISTS IS ALWAYS REQUIRED. ORDER LIST 15 IF LIST 9 OR 10\$ \$IS ORDERED, ORDER LIST 16 IF LIST 11 OR 12 IS ORDERED.\$
\$LISTS 15A, 16A, AND 24 ARE MUTUALLY EXCLUSIVE, BUT ONE OF THESE LISTS IS ALWAYS REQUIRED. ORDER LIST 15A IF LIST 9 OR 10 IS ORDERED, ORDER LIST 16A IF LIST 11 OR 12 IS ORDERED. ORDER LIST 24 IF LIST 11 OR 12 IS ORDERED AND SYNCHRONIZATION VIA 64KBS REFERENCE IS REQUIRED.
60. \$ORDER ONE LIST 21 AND ONE LIST 22 FOR EACH NCT LINK IN\$ \$THE SWITCH. \$
\$ORDER ONE LIST 21 AND ONE LIST 22 FOR EACH SWITCHING MODULE (SM OR SM2000) ORDERED FOR THE SWITCH.
61. THREE LIST 5'S ARE ALWAYS REQUIRED TO PROVIDE FPC, PPC, AND SINGLE MMP'S. ORDER A FOURTH LIST 5 TO PROVIDE DUAL MMP'S.
62. EQL POSITIONS FOR FUSES IN THE J5D003FJ FUSE/FILTER UNIT ARE TO BE ASSIGNED PER DRAWING \$ED5D693-20\$ ED5D751-10.
63. REFER TO TABLE AA FOR CIRCUIT PACK GROWTH SEQUENCE.
64. LISTS M AND N ARE MUTUALLY EXCLUSIVE. ORDER LIST M WHEN CMU MOUNTS IN POS 36 & 45. ORDER LIST N WHEN CMU MOUNTS IN POS 45 & 53.
65. ORDER ONLY ONE LIST K OR LIST V OR LIST X PER SWITCH WHEN DUAL MMP'S ARE ORDERED. ORDER LIST V WHEN CMU MOUNTS IN SHELF POSITIONS 36 & 45. ORDER LIST X WHEN CMU MOUNTS IN SHELF POSITIONS 45 & 53.
66. \$ORDER LIST D WHEN CMU IS EQUIPPED FOR SINGLE MMP'S (LIST K\$ \$OR LIST V OR LIST X IS NOT ORDERED)\$
67. \$LIST A IS ALWAYS REQUIRED.\$
68. \$TWO LIST B ARE ALWAYS REQUIRED.\$
69. \$ONE LIST C IS ALWAYS REQUIRED. ORDER A SECOND LIST C WHEN\$ \$CMU IS EQUIPPED FOR SINGLE MMP'S.\$
70. RESERVED
71. \$SEVEN LIST F'S ARE ALWAYS REQUIRED.\$
72. THE FIRST LIST P IS ALWAYS REQUIRED. ORDER A SECOND LIST P \$IF DUAL SERIAL CHANNEL (DSCH) IS TO BE ADDRESS 12.\$
\$FOR THE CMU TO BE EQUIPPED AS SIDE 0.
\$CMU 0 HAS DSCH 12, CMU 1 HAS DSCH 14.
73. LISTS G AND H ARE MUTUALLY EXCLUSIVE. ORDER LIST G FOR NS COMPATIBLE APPLICATIONS. ORDER LIST H FOR NSI APPLICATIONS. ORDER LIST G OR H ONLY ONCE PER SWITCH.
74. \$ORDER DESIGNATION STRIP LABELS IN LISTS L1 THRU L18\$ \$PER TABLE CC.\$
75. THE CMU'S MUST MOUNT IN ADJACENT VERTICAL EQL'S IN THE SM BAY IMMEDIATELY TO THE LEFT OF THE AM (3B21D).
\$FOR INTERNATIONAL APPLICATIONS, THE CMU'S MAY BE ASSIGNED
\$----- CONTINUED ON NEXT SHEET -----

ISSUE NOTES (CONTINUED)

(CA4509)
STOCKLIST: ADDED NEW CLEI TO ITEMS 1151,1380. THIS ISSUE IS VERIFICATION FOR CORRECTION OF CLEI CODE ONLY.

ORIG ISS: 02/02/93

CHANGE CLASS: AC

DRAFT: PWW ENGR: PWW SUPV: DML CERTIFIED: 06/07/01 ISSUE: 25

ISSUE NOTES (CONTINUED)

H8270 IN TABLE A: RATED LIST 3 DA, ADD LIST 3A. IN ENG. NOTES: MODIFIED NOTE 55 TO REMOVE LIST 3 AND ADD LIST 3A. IN STOCKLIST: ADD ITEM 1031 FOR LIST 3A.

ORIG ISS: 02/02/93 NDD NBR: NDD5D020-133 CHANGE CLASS: M

DRAFT: RMW ENGR: RMW SUPV: RJP CERTIFIED: 12/12/97 ISSUE: 17

IN TABLE A: LISTS 25,26,27,30,31,32,B1-B5,F1-F3,G1, AND G2. RATED DA. REMOVED REF. TO NOTES 151 THRU 157 FROM LISTS 1,2,3,5-14,17-28,30-33,B1-B5,D1-D18,F1-F3,G1 AND G2. IN ENG, NOTES: REMOVED NOTES 151 - 157. IN MISC. TABLES: REMOVED TABLES D4-D8, AND D10. FOR CHEETAH.

ORIG ISS: 02/02/93 NDD NBR: NDD5D020NW-130 CHANGE CLASS: ME

DRAFT: RMW ENGR: RMW SUPV: RJP CERTIFIED: 02/20/98 ISSUE: 18

C84503 - IN STOCKLIST, ADD NEW CLEI TO ITEM 1200.

ORIG ISS: 02/02/93 CHANGE CLASS: AC

DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 03/11/98 ISSUE: 19

H8416 - IN TABLE A: RERATE LISTS A,B,C,D,F,L1,L2,L3,L4,L5,L6,L7, L8,L9,L10,L13,L14,L15,L16,L17,L18 TO DA; ADD LISTS D20,D21,F4 IN ENGINEERING NOTES: ADD NOTES 81,82,83,84,85,499 & 500; ADD NOTE REF 500 TO TABLE A LISTS 3A,4A,5,6,7,8,9,10,11,12,13, 14,15A,16A,17,18,19,20,21,22,24,28,33,G,H,M,N,P,R,S,T,V,W,X; LINEOUT NOTES 66,67,68,69,71,74. IN MANUFACTURING NOTES: ADD NOTES 20,21,22,23,24,25,26,27,28; IN NOTE 13 LINEOUT "FOR LISTS C & D". IN STOCKLIST: ADD ITEM 1281. IN MISC TABLES: ADD TABLE D9; REMOVE TABLE CC; IN TABLE AA LINEOUT LISTS C & D.

ORIG ISS: 02/02/93 NDD NBR: NDD5D020NW-142 CHANGE CLASS: ME

DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 11/13/98 ISSUE: 20

C84532 - ADDED NEW CLEI TO STOCKLIST ITEMS 1210,1220.

ORIG ISS: 02/02/93 CHANGE CLASS: AC

DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 01/22/99 ISSUE: 21

C94502 - IN STOCKLIST, ADDED NEW CLEI TO ITEM 1200.

ORIG ISS: 02/02/93 CHANGE CLASS: AC

DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 03/01/99 ISSUE: 22

H8607 - IN ENGINEERING NOTES; ADD NOTE 86. PI - IN TABLE A; LIST F4, CHANGE 1A TO 1.

ORIG ISS: 02/02/93 NDD NBR: NDD5D020NW-147 CHANGE CLASS: ME

DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 05/21/99 ISSUE: 23

C04525 - IN STOCKLIST, ADDED NEW CLEI TO ITEM 1050

ORIG ISS: 02/02/93 CHANGE CLASS: AC

DRAFT: PMR ENGR: PMR SUPV: RJP CERTIFIED: 10/24/00 ISSUE: 24

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BT13

5ESS SWITCHING EQUIPMENT SPECIFICATION
FOR COMMUNICATIONS MODULE UNIT

DWG SIZE C2 ISSUE 25

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SHEET A2 OF 12

TABLE A-FEATURES											
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
EQUIPMENT FOR COMMUNICATIONS MODULE UNIT (SHELF ONLY)	55 75 76		1	1	SD5D513-01	1					
APPARATUS FOR CONTROL AND DISPLAY DA EFF:04/16/97 FE:J5D020AJ-5,L33	55	DA	2	1	SD5D513-01	(2)					
APPARATUS FOR POWER CONVERTER DA EFF:12/12/97 FE:J5D020AJ-5,L3A	55	DA	3	1	SD5D513-01	(3)					
APPARATUS FOR POWER CONVERTER REPL:J5D020AJ-5,L3	55 500		3A	1	SD5D513-01	(3)					
APPARATUS FOR MESSAGE SWITCH CONTROLLER DA EFF:05/20/93 FE:J5D020AJ-5,L4A	55	DA	4	1	SD5D513-01	(2)					
APPARATUS FOR MESSAGE SWITCH CONTROLLER REPL:J5D020AJ-5,L4	55 500		4A	1	SD5D513-01	(2)					
APPARATUS FOR MESSAGE INTERFACE BUS CONTROLLER	61 63 500		5	1	SD5D513-01	(2) (3) (12) (13)					
APPARATUS FOR MESSAGE MODULE PROCESSOR	56 63 500		6	1	SD5D513-01	(3) (4) (13)					
APPARATUS FOR FOUNDATION PERIPHERAL CONTROLLER	55 500		7	1	SD5D513-01	(2)					
APPARATUS FOR PUMP PERIPHERAL CONTROLLER	55 500		8	1	SD5D513-01	(2)					
APPARATUS FOR MEDIUM STABILITY CLOCK FOR 24 CHANNEL APPLICATIONS (ANSI STRATUM 3)	57 500		9	1	SD5D513-01	11					
APPARATUS FOR MEDIUM STABILITY NETWORK CLOCK FOR 30 CHANNEL APPLICATIONS (CCITT STRATUM 3)	57 500		10	1	SD5D513-01	10					
APPARATUS FOR HIGH STABILITY NETWORK CLOCK FOR 24 CHANNEL APPLICATIONS (ANSI STRATUM 2)	57 500		11	1	SD5D513-01	9					
APPARATUS FOR HIGH STABILITY NETWORK CLOCK FOR 30 CHANNEL APPLICATIONS (CCITT STRATUM 2)	57 500		12	1	SD5D513-01	8					
APPARATUS FOR EXTERNAL SYNCHRONIZATION OF NETWORK CLOCK FOR 24 CHANNEL APPLICATIONS	58 500		13	1	SD5D513-01	6					
APPARATUS FOR EXTERNAL SYNCHRONIZATION OF NETWORK CLOCK FOR 30 CHANNEL APPLICATIONS	58 500		14	1	SD5D513-01	7					
APPATATUS FOR CONTROL OF MEDIUM STABILITY NETWORK CLOCK DA EFF:06/22/94 FE:J5D020AJ-5,L15A	59	DA	15	1	SD5D513-01	5		Z			
APPARATUS FOR CONTROL OF MEDIUM STABILITY NETWORK CLOCK REPL:J5D020AJ-5,L15	59 500		15A	1	SD5D513-01	5		Z			
APPARATUS FOR CONTROL OF HIGH STABILITY NETWORK CLOCK DO NOT ORDER LIST 16 AFTER ISSUE 2 OF THIS DRAWING DA EFF:11/01/93 FE:J5D020AJ-5,L16A	59	DA	16	1	SD5D513-01	5		Y			
APPARATUS FOR CONTROL OF HIGH STABILITY NETWORK CLOCK REPL:J5D020AJ-5,L16	59 500		16A	1	SD5D513-01	5		Y			
APPRATUS FOR TMS CONTROL	55 500		17	1	SD5D513-01	(2)					

TABLE-A CONTINUED

J5D020AJ-5

ENGINEERING NOTES

***** CONTINUED *****

- TO EITHER EQL'S 36 AND 45 OR 45 AND 53.
FOR U.S. AND COMPATIBLE APPLICATIONS, THE CMU'S MUST
BE ASSIGNED TO EQL'S 45 AND 53, WITH THE CMPU IN EQL 62.
76. THE CMU MUST BE MOUNTED IN A 5ESS-2000 CABINET (ED5D741-70).
IF THE OFFICE CONTAINS AN SM2000, THE CMU'S MUST BE MOUNTED
IN AN LTP CABINET ASSIGNED TO THE SM2000.
77. FOR THE PURPOSES OF SOFTWARE COORDINATION, THE CM2C SHOULD
BE CONSIDERED TO BE "SINGLE FABRIC".
78. FOR SINGLE MMP'S, ORDER LIST R FOR CMU 0 AND LIST S
FOR CMU 1.
FOR DUAL MMP'S, ORDER ONE LIST R AND 1 LIST S FOR EACH CMU.
WHEN ADDING DUAL MMP'S TO AN EXISTING OFFICE, ORDER ONE
LIST S FOR CMU 0 AND 1 LIST R FOR CMU 1.
79. ORDER ONLY ONE LIST T OR LIST W PER SWITCH. ORDER LIST T
WHEN CMU MOUNTS IN SHELF POSITIONS 36 & 45. ORDER LIST W
WHEN CMU MOUNTS IN SHELF POSITIONS 45 & 53.
80. ADDITIONAL CABLE ENGINEERING INFORMATION FOR CMU EQUIPPED OFFICES
IS FOUND IN DRAWINGS ED5D751-40 (INTRA CABINET CABLING) AND
ED5D751-11 (INTER CABINET CABLING) AND ED5D751-10 (POWER AND
ALARM CABLING).
81. LOOSE LABELS CAN BE ORDERED THROUGH THE CONTROLLING ED DRAWING
ONLY. REFERENCE TABLE A, TABLE D9 AND MANUFACTURING NOTES IN
J DRAWING TO DETERMINE APPROPRIATE ED GROUPS.
82. ON ALL ORDERS, A HORIZONTAL EQL MUST BE SPECIFIED FOR EACH J
LIST WHICH PROVIDES A CIRCUIT PACK EQUIPPED IN A MULTI-PURPOSE
CIRCUIT PACK POSITION AND FOR EACH ASSOCIATED D() LIST.
83. VERTICAL EQL AND UNIT NUMBER MUST BE SPECIFIED WHEN ORDERING
NON-X OR CABINET MOUNTED UNITS. THIS INFORMATION IS INCLUDED
ON THE DESIGNATION STRIP LABELS.
84. EACH DESIGNATION STRIP LABEL HAS TWO COMPONENTS; STAMPING
INFORMATION AND LABEL MATERIAL. TABLE D9 PROVIDES REFERENCES
TO APPROPRIATE STAMPING INFORMATION ONLY. DESIGNATION STRIP
MATERIAL IS PROVIDED IN THE FINAL ASSEMBLY KIT FOR EACH UNIT.
85. ORDER LIST D20 OR D21 IN ADDITION TO LIST 1 TO PROVIDE FRONT AND
REAR LABEL INFORMATION (D20 FOR SIDE 0 AND D21 FOR SIDE 1).
86. ADDITIONAL MEMORY IS REQUIRED IN THE CMPU FOR CDX OFFICES WITH
THE 5E14 OR LATER SOFTWARE RELEASE. THE HARDWARE NEEDED FOR THIS
FEATURE CAN BE ORDERED FROM J5D020AF-2 (PACKS, LABELS, JUMPERS).
THE CMPU JUMPER CABLES CAN BE ORDERED FROM ED5D751-10. SEE
ED5D877-30 FOR 5E14 OFFICE RETROFITS.
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.

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BT13

5ESS SWITCHING EQUIPMENT SPECIFICATION
FOR COMMUNICATIONS MODULE UNIT

DWG SIZE
C2

ISSUE
25

LUCENT TECHNOLOGIES INC

J5D020AJ-5

SHEET A3
OF 12

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 FOR CLOCK & CONTROL INTERFACE	55 500		18	1	SD5D513-01	(2)						
APPARATUS FOR SWITCH MODULE LINK INTERFACE	55 500		19	1	SD5D513-01	(2)						
APPARATUS FOR DUAL MESSAGE INTERFACE 3	55 500		20	1	SD5D513-01	(2)						
APPARATUS FOR LIGHTWAVE DATA TRANSCEIVER	60 500		21	1	SD5D513-01	(14) (15)						
APPARATUS FOR LIGHTWAVE DATA TRANSCEIVER	60 500		22	1	SD5D513-01	(14) (15)						
APPARATUS FOR EXTERNAL SYNCHRONIZATION OF NETWORK CLOCK FOR SYNCHRONIZATION VIA 64KBS REFERENCE, SOFTWARE RELEASE 5EE7.1 OR LATER, INTERNATIONAL APPLICATIONS ONLY. DA EFF:04/06/95 FE:J5D020AJ-5,L28	58	DA	23	1	SD5D513-01	17						
APPARATUS FOR CONTROL OF HIGH STABILITY NETWORK CLOCK FOR SYNCHRONIZATION VIA 64KBS REFERENCE, SOFTWARE RELEASE 5EE7.1 OR LATER, INTERNATIONAL APPLICATIONS ONLY.	59 500		24	1	SD5D513-01	16						
APPARATUS FOR MESSAGE SWITCH CONTROLLER DA EFF:02/20/98 FE/RA:NONE		DA	25	1	SD5D513-01	(2)						
APPARATUS FOR CONTROL OF MEDIUM STABILITY NETWORK CLOCK DA EFF:02/20/98 FE/RA:NONE		DA	26	1	SD5D513-01	5		Z				
APPARATUS FOR CONTROL OF HIGH STABILITY NETWORK CLOCK DA EFF:02/20/98 FE/RA:NONE		DA	27	1	SD5D513-01	5		Y				
APPARATUS FOR EXTERNAL SYNCHRONIZATION OF NETWORK CLOCK FOR SYNCHRONIZATION VIA 64KBS REFERENCE. <SOFTWARE RELEASE 5EE7.1 OR LATER>. REPL:J5D020AJ-5,L23	58 500		28	1	SD5D513-01	17						
PROVIDES DUAL SERIAL CHANNEL (DSCH) ADDRESSING JUMPER DA EFF:02/20/98 FE/RA:NONE		DA	30									
PROVIDES MIB TERMINATION RESISTOR PADDLE BOARD DA EFF:02/20/98 FE/RA:NONE		DA	31									
PROVIDES MIB TERMINATION RESISTOR PADDLE BOARD DA EFF:02/20/98 FE/RA:NONE		DA	32									
APPARATUS FOR CONTROL AND DISPLAY REPL:J5D020AJ-5,L2	55 500		33	1	SD5D513-01	(2)		F				
PROVIDES 0.25 IN. APPARATUS BLANK DA EFF:11/13/98 FE/RA:NONE	67	DA	A									
PROVIDES 0.5 IN. APPARATUS BLANK DA EFF:11/13/98 FE/RA:NONE	68	DA	B									
PROVIDES 0.75 IN. APPARATUS BLANK DA EFF:11/13/98 FE/RA:NONE	69	DA	C									
PROVIDES 1.0 IN. APPARATUS BLANK DA EFF:11/13/98 FE/RA:NONE	66	DA	D									

TABLE-A CONTINUED

J5D020AJ-5

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	
RESERVED												
PROVIDES 0.25 IN. APPARATUS BLANK DA EFF:11/13/98 FE/RA:NONE	71	DA	F									
PROVIDES FINAL ASSEMBLY KIT FOR MOUNTING A TWO SHELF CMU INTO 5ESS-2000 CABINET FOR NS APPLICATIONS	62 73 500			G								
PROVIDES FINAL ASSEMBLY KIT FOR MOUNTING A TWO SHELF CMU INTO 5ESS-2000 CABINET FOR NSI APPLICATIONS	62 73 500			H								
CABLE KIT FOR BASIC CMU DA EFF:04/08/94 RA:J5D020AJ-5,L2 RA:J5D020AJ-5,LW		DA	J									
CABLE KIT FOR DUAL MMP'S DA EFF:04/08/94 RA:J5D020AJ-5,LV RA:J5D020AJ-5,LX	65	DA	K									
PROVIDES MIB TERMINATION DA EFF:06/18/93 RA:J5D020AJ-5,LR RA:J5D020AJ-5,LS		DA	L									
PROVIDES POWER CABLING	64 500			M								
PROVIDES POWER CABLING	64 500			N								
PROVIDES DUAL SERIAL CHANNEL (DSCH) ADDRESSING JUMPER	72 500			P								
PROVIDES MIB TERMINATION REPL:J5D020AJ-5,LL	78 500			R								
PROVIDES MIB TERMINATION REPL:J5D020AJ-5,LL	78 500			S								
CABLE KIT FOR BASIC CMU REPL:J5D020AJ-5,LJ	79 500			T	1	ED5D751-40	G1					
CABLE KIT FOR DUAL MMP'S REPL:J5D020AJ-5,LK	65 500			V	1	ED5D751-40	G2					
CABLE KIT FOR BASIC CMU REPL:J5D020AJ-5,LJ	79 500			W	1	ED5D751-40	G3					
CABLE KIT FOR DUAL MMP REPL:J5D020AJ-5,LK	65 500			X	1	ED5D751-40	G4					
PROVIDES 0.75 IN. APPARATUS BLANK DA EFF:02/20/98 FE/RA:NONE		DA	B1	1								
PROVIDES 1.0 IN. APPARATUS BLANK DA EFF:02/20/98 FE/RA:NONE		DA	B2	1								
PROVIDES 0.5 IN. APPARATUS BLANK DA EFF:02/20/98 FE/RA:NONE		DA	B3	1								

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	
PROVIDES 0.25 IN. APPARATUS BLANK DA EFF:02/20/98 FE/RA:NONE		DA	B4									
PROVIDES 0.25 IN. APPARATUS BLANK DA EFF:02/20/98 FE/RA:NONE		DA	B5									
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (FRONT) DA EFF:03/10/95 FE/RA:NONE		DA	D1	1	ED5D738-10	1						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS (FRONT) DA EFF:03/10/95 FE/RA:NONE		DA	D2	1	ED5D738-10	3						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D3	1	ED5D738-10	9						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D4	1	ED5D738-10	10						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D5	1	ED5D738-10	11						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D6	1	ED5D738-10	12						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D7	1	ED5D738-10	13						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D8	1	ED5D738-10	14						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D9	1	ED5D738-10	15						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D10	1	ED5D738-10	16						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NSI APPLICATIONS. (FRONT & REAR) DA EFF:10/07/94 FE:J5D020AJ-5,LD13		DA	D11	1	ED5D738-10	5,7						
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	
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NSI APPLICATIONS. (FRONT & REAR) DA EFF:10/07/94 FE:J5D020AJ-5,LD14		DA	D12	1	ED5D738-10	6,8						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NSI APPLICATIONS. (FRONT & REAR) REPL:J5D020AJ-5,LD11 DA EFF:03/10/95 FE/RA:NONE		DA	D13	1	ED5D738-10	5,21						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NSI APPLICATIONS. (FRONT & REAR) REPL:J5D020AJ-5,LD12 DA EFF:03/10/95 FE/RA:NONE		DA	D14	1	ED5D738-10	6,22						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D15	1	ED5D738-10	17						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D16	1	ED5D738-10	18						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D17	1	ED5D738-10	19						
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) DA EFF:03/10/95 FE/RA:NONE		DA	D18	1	ED5D738-10	20						
REQUIRED IN ADDITION TO LIST 1 TO PROVIDE BASIC FRONT AND REAR LABEL INFORMATION FOR SHELF 0. REPL:NONE			D20									
REQUIRED IN ADDITION TO LIST 1 TO PROVIDE BASIC FRONT AND REAR LABEL INFORMATION FOR SHELF 1. REPL:NONE			D21									
PROVIDES FINAL ASSEMBLY KIT (FASKIT) TO MOUNT A TWO SHELF CMU IN A 5ESS-2000 NS CABINET E/W MODULAR FUSE FILTER UNIT DA EFF:02/20/98 FE/RA:NONE		DA	F1	1								
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
PROVIDES FINAL ASSEMBLY KIT (FASKIT) TO MOUNT A TWO SHELF CMU IN A 5ESS-2000 NSI CABINET E/W MODULAR FUSE FILTER UNIT DA EFF:02/20/98 FE/RA:NONE		DA	F2	1							
PROVIDES FINAL ASSEMBLY KIT (FASKIT) TO MOUNT A TWO SHELF CMU IN A 5ESS-2000 GLOBAL PHASE II CABINET E/W MODULAR FUSE FILTER UNIT. DA EFF:02/20/98 FE/RA:NONE		DA	F3	1							
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 TO PROVIDE APPARATUS BLANK KIT FOR CM2C/CMU REPL:NONE	499		F4								
PROVIDES UNIT GUIDE MOUNTING KIT FOR 132 TYPE APP. MTG. E/W METRIC FASTENERS DA EFF:02/20/98 FE/RA:NONE		DA	G1	1							
PROVIDES UNIT GUIDE MOUNTING KIT FOR 132 TYPE APP. MTG. E/W "ENGLISH" FASTENERS DA EFF:02/20/98 FE/RA:NONE		DA	G2	1							
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (FRONT) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L1	1	ED5D738-10	1					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (FRONT) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L2	1	ED5D738-10	3					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L3	1	ED5D738-10	9					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L4	1	ED5D738-10	10					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L5	1	ED5D738-10	11					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L6	1	ED5D738-10	12					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L7	1	ED5D738-10	13					

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
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L8	1	ED5D738-10	14					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L9	1	ED5D738-10	15					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L10	1	ED5D738-10	16					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NSI APPLICATIONS. (FRONT & REAR) DA EFF:10/07/94 FE:J5D020AJ-5,LL13	74	DA	L11	1	ED5D738-10	5,7					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NSI APPLICATIONS. (FRONT & REAR) DA EFF:10/07/94 FE:J5D020AJ-5,LL14	74	DA	L12	1	ED5D738-10	6,8					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NSI APPLICATIONS. (FRONT & REAR) REPL:J5D020AJ-5,LL11 DA EFF:11/13/98 FE/RA:NONE	74	DA	L13	1	ED5D738-10	5,21					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NSI APPLICATIONS. (FRONT & REAR) REPL:J5D020AJ-5,LL12 DA EFF:11/13/98 FE/RA:NONE	74	DA	L14	1	ED5D738-10	6,22					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L15	1	ED5D738-10	17					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 0 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L16	1	ED5D738-10	18					

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
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L17	1	ED5D738-10	19					
PROVIDES DESIGNATION LABELS FOR CMU SIDE 1 FOR NS APPLICATIONS. (REAR) REPL:NONE DA EFF:11/13/98 FE/RA:NONE	74	DA	L18	1	ED5D738-10	20					
END OF TABLE-A											

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FOR COMMUNICATIONS MODULE UNIT

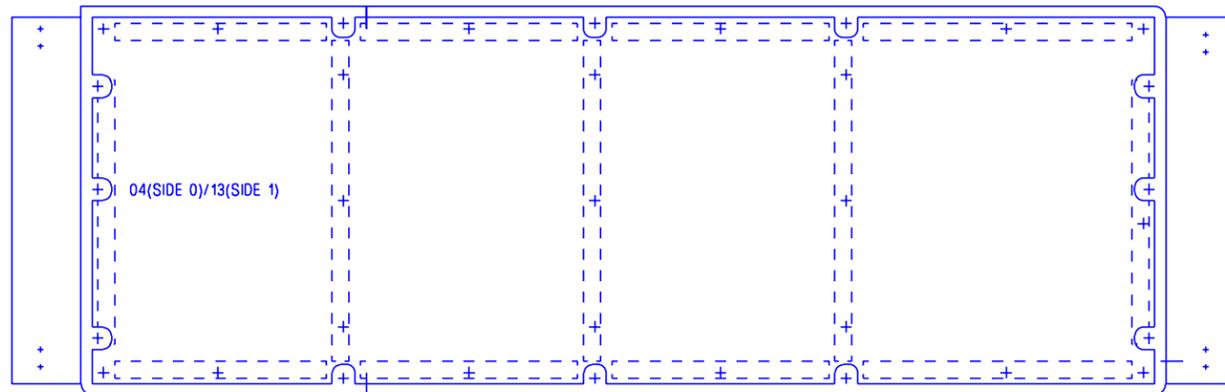
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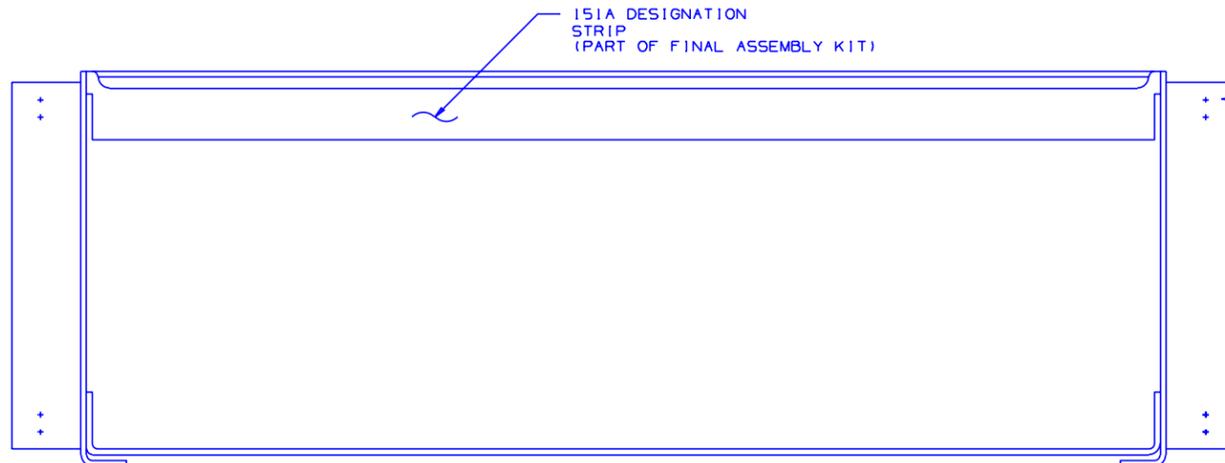
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847015161
SHELF ASSEMBLY

REAR VIEW



FRONT VIEW

FIG. 1

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H
O
P

MANUFACTURING NOTES

***** CONTINUED *****

OR 13-19	158E	104042148
04-30		
OR 13-22		
12	158G	104042163
25	158G	104042163
40	158G	104042163
44	158G	104042163
71	158G	104042163
75	158G	104042163
83	158G	104042163

- X X 21. BASIC FRONT AND REAR INFORMATION THAT IS ALWAYS REQUIRED FOR CMU SIDE 0 WHEN THE UNIT IS ACCOMPANIED BY A FINAL ASSEMBLY KIT.
- X X 22. BASIC FRONT AND REAR INFORMATION THAT IS ALWAYS REQUIRED FOR CMU SIDE 1 WHEN THE UNIT IS ACCOMPANIED BY A FINAL ASSEMBLY KIT.
- X 23. HORIZONTAL EQLS 044, 060, 082, 098 ARE ALWAYS EQUIPPED WITH THE SAME CIRCUIT PACK CODE. WHEN THE FIRST LIST 5 IS ORDERED, ALL 4 EQL POSITIONS MUST BE LABELED WITH GROUP 27.
- X 24. HORIZONTAL EQLS 052 AND 068 ARE ALWAYS EQUIPPED WITH THE SAME CIRCUIT PACK CODE. WHEN THE FIRST LIST 6 IS ORDERED, LABEL BOTH LOCATION 052 AND 068 WITH GROUP 28.
- X 25. HORIZONTAL EQL 122 IS A MULTIPLE PURPOSE POSITION THAT CAN BE LABELED PER GROUPS 31, 32, 33, OR 34. MULTIPLE PURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION.
- X 26. HORIZONTAL EQL 132 IS A MULTIPLE PURPOSE POSITION THAT CAN BE LABELED PER GROUPS 35, 36, OR 37. MULTIPLE PURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION.
- X 27. HORIZONTAL EQL 144 IS A MULTIPLE PURPOSE POSITION THAT CAN BE LABELED PER GROUPS 38, 39, OR 40. MULTIPLE PURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION.
- X 28. UNITS SHIPPING OUT OF THE FACTORY EQUIPPED WITH A FINAL ASSEMBLY KIT OR SHELF ASSEMBLY KIT PROVIDING LABEL FILM, SHALL BE STAMPED WITH THE LABEL INFORMATION PROVIDED BY THIS LABEL GROUP, EVEN IF THE ASSOCIATED CIRCUIT PACK ORDERING LIST IS NOT SPECIFIED. THIS PROVIDES ULTIMATE STAMPING OF CIRCUIT PACK INFORMATION IN DEDICATED HEQL'S.

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H
O
P

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 12. CABLE SUPPORTS LOCATED AT UPPER POSITION ON SIDE 1. CABLE SUPPORTS LOCATED AT UPPER AND MIDDLE POSITIONS ON SIDE 0.
- X X 13. SEE TABLE AA FOR EQUIPPAGE POSITION \$OF LIST C AND D'S\$ AND CIRCUIT PACK GROWTH SEQUENCE.
- X 14. REFER TO TABLE JJ FOR INFORMATION ON REPLACEMENT FUSES.
- X X 15. LDT CIRCUIT PACKS ARE EQUIPPED ON THE WIRING SIDE IN PAIRS AS SPECIFIED PER EQUIPMENT ORDER.
- X X 16. MOUNTING POSTIONS FOR ED5D585-29 TERMINATION RESISTORS:

CMU POS	ED5D585-29 GP	SINGLE MMP	ADD FOR DUAL MMP
36 & 45	1Z	036-052-332	045-052-332
	1AA	045-068-332	036-068-332
45 & 53	1Z	045-052-332	053-052-332
	1AA	053-068-332	045-068-332
- X 17. \$STAMPING INFORMATION FOR DESIGNATION STRIP LABELS ORDERED BY\$ \$LISTS G AND H IS GIVEN IN TABLE CC.\$
- X 18. 963E-2 CONNECTORS ARE SHORTING CONNECTORS FOR TWO ADJACENT TERMINALS AND SHALL BE MOUNTED HORIZONTALLY ACROSS THE FOLLOWING TERMINALS:

DSCH 12 CMU SIDE 0	04-033 347 & 04-033 247
	04-033 346 & 04-033 246

DSCH 14 CMU SIDE 1	13-033 347 & 13-033 247
- X X 19. 5 AMP FUSES MOUNT AT POS 2A AND 6A.
15 AMP FUSES MOUNT AT POS 1A AND 5A.
- X X 20.

POSITION NUMBER	APPARATUS BLANK TYPE	COMCODE
-	150B	104013743
88	158A	104042106
04-06	158A	104042106
OR 13-03		
04-04	158B	104042114
OR 13-10		
04-27	158B	104042114

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1010	1	1	847015161		ASSEMBLY, SHELF			
1020	2	1	106704919	SN516B	PACK, CIRCUIT CLEI = E5PQADJA EQPT EQL 04-008, 13-008			
1021	33	1	107598146	SN516C	PACK, CIRCUIT CLEI = E5PQAPUA EQPT EQL 04-008, 13-008			
1030	3	1	104060611	410AA	UNIT, POWER CLEI = PWPQACNA EQPT EQL 04-026, 13-020			
1031	3A	1	108133232	410AA2	UNIT CLEI = PWPQAS7A EQPT EQL 04-026, 13-020			
1040	4	1	106608029	KBN10	PACK, CIRCUIT CLEI = E5PQADCA EQPT EQL 04-033, 13-033			
1050	5	1	106075377	MC5D078A-1C	PACK, CIRCUIT, MICROCODED FE CLEI=E5MQAEHA FE CLEI=E5MQ940A CLEI = E5MQAHLA (TN856C) EQPT EQL 04-044, 04-082, 04-098, EQPT EQL 13-060, 13-082, 13-098 EQPT EQL 04-060, 13-044 (DUAL MMP ONLY)		X/	
1060	6	1	105024632	TN870	PACK, CIRCUIT CLEI = E5MQ803AXX EQPT EQL 04-052, 13-068 EQPT EQL 04-068, 13-052 (DUAL MMP ONLY)		X/	
1070	7	1	103862728	MC5D039A-1	PACK, CIRCUIT, MICROCODED CLEI = E5MQ34HA (UN173) EQPT EQL 04-074, 13-074			
1080	8	1	103654695	TN886	PACK, CIRCUIT CLEI = E5MQ34KAXX EQPT EQL 04-090, 13-090			
1090	9	1	106042807	TN1286B	PACK, CIRCUIT CLEI = E5PQ99MA EQPT EQL 04-122, 13-122			
1100	11	1	106042781	TN1284B	PACK, CIRCUIT CLEI = E5PQ99LA EQPT EQL 04-122, 13-122			
1110	10	1	106042799	TN1285B	PACK, CIRCUIT CLEI = E5PQ99JA EQPT EQL 04-122, 13-122			
1120	12	1	106042773	TN1283B	PACK, CIRCUIT CLEI = E5PQAA8A EQPT EQL 04-122, 13-122			
1130	13	1	104370713	TN1274B	PACK, CIRCUIT FE CLEI=E5PQ37PA CLEI = E5PQAV3A EQPT EQL 04-132, 13-132			
1140	14	1	104395694	TN1275B	PACK, CIRCUIT FE CLEI=E5PQ53EA CLEI = E5PQAV4A EQPT EQL 04-132, 13-132			
1150	15	1	106715147	MC5D215A-2	PACK, CIRCUIT, MICROCODED FE CLEI=E5MQACFA CLEI = E5MQAETA (TN1276) EQPT EQL 04-144, 13-144			
1151	15A, 26	1	107284036	MC5D215A2	PACK, CIRCUIT FE CLEI=E5MQAG3A FE CLEI=E5MQAE2A CLEI = E5MQAHTA (TN1276) EQPT EQL 04-144, 13-144			
1160	16	1	105384770	MC5D222A-1	PACK, CIRCUIT, MICROCODED CLEI = E5MQAATA (TN1276) EQPT EQL 04-144, 13-144			
1170	17	1	106652563	TN1813	PACK, CIRCUIT, TMS CONTROLLER CLEI = E5PQAD8A EQPT EQL 04-152, 13-152			

***** 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
1180	18	1	106626476	TN1812	PACK, CIRCUIT, CCI-CLOCK & CONT INTERFACE CLEI = E5PQAD7A EQPT EQL 04-160, 13-160			
1190	19	1	106732662	TN1830	PACK, CIRCUIT, SMLI-SWITCH MOD LINK INTER CLEI = E5PQAD6A EQPT EQL 04-168, 13-168			
1200	20	1	103812145	UN187	PACK, CIRCUIT FE CLEI=E5PQAXAA FE CLEI=E5PQ42JAXX CLEI = E5PQAZHA EQPT EQL 04-176, 13-176			
1210	21	1	106502529	982TSC	CONNECTOR, ELECTRICAL ASSEMBLY 48 CONTACTS, SOCKET, FEMALE FE CLEI=E5PQ51XA CLEI = E5PQAY0A EQPT WIRING SIDE: EQL 04-168-300 (FIRST) EQL 04-160-300 (SECOND)			15
1220	22	1	106502511	982TRC	CONNECTOR, ELECTRICAL ASSEMBLY 48 CONTACTS, SOCKET, FEMALE FE CLEI=E5PQ51VA CLEI = E5PQAY1A EQPT WIRING SIDE: EQL 04-168-332 (FIRST) EQL 04-160-332 (SECOND)			15
1230	A	1	104013743	150B	BLANK, APPARATUS EQPT POS 00			
1240	B	1	104042106	158A	BLANK, APPARATUS EQPT POS 04-88, 13-88 EQPT POS 04-06, 13-03			
1250	C	1	104042114	158B	BLANK, APPARATUS EQPT POS 04-04, 13-10 (ALWAYS REQ'D) EQPT POS 04-27, 13-19 (SINGLE MMP'S)			13
1260	D	1	104042148	158E	BLANK, APPARATUS EQPT POS 04-30, 13-22 (SINGLE MMP'S)			13
1280	F	1	104042163	158G	BLANK, APPARATUS EQPT POS 12, 25, 40, 44, 71, 75, 83			
1281	F4	1	848215695		KIT, APPARATUS BLANK			20
1290	G	1	847015195		KIT, MOUNTING			12 17 19
1300	J	1	ED5D751-10,G3		KIT, CABLING CM2C			*/
1310	K	1	ED5D751-10,G4		KIT, CABLING CM2C			X/
1320	M	1	ED5D751-10,G1		KIT, CABLING CM2C			*/
1330	N	1	ED5D751-10,G2		KIT, CABLING CM2C			*/
1340	L R	1	ED5D585-29,G1Z, G1Z		ASSEMBLY, BACKPLANE CONNECTOR			16
1350	L S	1	ED5D585-29,G1AA, G1AA		ASSEMBLY, BACKPLANE CONNECTOR			16
1360	H	1	847066230		KIT, MOUNTING			12 17
1370	P	1	102898509	963E-2	CONNECTOR			18
1380	16A, 27	1	106715154	MC5D222A2	PACK, CIRCUIT FE CLEI=E5MQAG2A FE CLEI=E5MQACGA CLEI = E5MQAHTA (TN1276) EQPT POS 04-144, 13-144			

STOCKLIST CONTINUED ON SHEET D3

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BT13

5ESS SWITCHING EQUIPMENT SPECIFICATION
FOR COMMUNICATIONS MODULE UNIT

DWG SIZE C2 ISSUE 25

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STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1390	D1 L1	1	ED5D738-10,G1,G1		LABEL, DESIGNATION			
1400	D2 L2	1	ED5D738-10,G3,G3		LABEL, DESIGNATION			
1430	D11 L11	1	ED5D738-10,G5,G7,G5,G7		LABEL, DESIGNATION			
1440	D12 L12	1	ED5D738-10,G6,G8,G6,G8		LABEL, DESIGNATION			
1450	D3 L3	1	ED5D738-10,G9,G9		LABEL, DESIGNATION			
1460	D4 L4	1	ED5D738-10,G10,G10		LABEL, DESIGNATION			
1470	D5 L5	1	ED5D738-10,G11,G11		LABEL, DESIGNATION			
1480	D6 L6	1	ED5D738-10,G12,G12		LABEL, DESIGNATION			
1490	D7 L7	1	ED5D738-10,G13,G13		LABEL, DESIGNATION			
1500	D8 L8	1	ED5D738-10,G14,G14		LABEL, DESIGNATION			
1510	D9 L9	1	ED5D738-10,G15,G15		LABEL, DESIGNATION			
1520	D10 L10	1	ED5D738-10,G16,G16		LABEL, DESIGNATION			
1530	4A, 25	1	107044745	KBN10	PACK,CIRCUIT CLEI = E5PQAH2A			
1540	T	1	ED5D751-40,G1		KIT, CABLE CM2C			*/
1550	V	1	ED5D751-40,G2		KIT, CABLE CM2C			X/
1560	W	1	ED5D751-40,G3		KIT, CABLE CM2C			*/
1570	X	1	ED5D751-40,G4		KIT, CABLE CM2C			X/
1580	23	1	107064081	TN1850	PACK,CIRCUIT CLEI = E5PQAKVA EQPT EQL 04-132,13-132			
1581	28	1	107532400	TN1850	PACK,CIRCUIT CLEI = E5PQAPBA EQPT POS 04-132, 13-132			
1590	24	1	107064107	TN1851	PACK,CIRCUIT CLEI = E5PQAKWA EQPT EQL 04-144,13-144			
1600	D13 L13	1	ED5D738-10,G5,G21,G5,G21		LABEL, DESIGNATION			
1610	D14 L14	1	ED5D738-10,G6,G22,G6,G22		LABEL, DESIGNATION			
1620	D15 L15	1	ED5D738-10,G17,G17		LABEL, DESIGNATION			
1630	D16 L16	1	ED5D738-10,G18,G18		LABEL, DESIGNATION			
1640	D17 L17	1	ED5D738-10,G19,G19		LABEL, DESIGNATION			
1650	D18 L18	1	ED5D738-10,G20,G20		LABEL, DESIGNATION			
5000	B1	1	104042114	158B	BLANK,APPARATUS EQPT POS 04-27,13-19 (SINGLE MMP'S)			
5010	B2	1	104042148	158E	BLANK,APPARATUS EQPT POS 04-30,13-22 (SINGLE MMP'S)			
5020	F1	1	847471737		KIT,FINAL ASSEMBLY			
5030	31	1	ED5D585-29,G1Z		ASSEMBLY, BACKPLANE CONNECTOR			16
5040	32	1	ED5D585-29,G1AA		ASSEMBLY, BACKPLANE CONNECTOR			16

***** 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
5050	F2	1	847471729		KIT,FINAL ASSEMBLY			
5060	30	1	102898509	963E-2	CONNECTOR			18
5250	G1	1	847289246		KIT,MOUNTING			
5260	F3	1	847471711		KIT,FINAL ASSEMBLY			
5270	G2	1	847198280		KIT,MOUNTING UNIT GUIDE FOR 132 DOUBLE HIGH TYPE APP MTG			
5280	B3	1	104042106	158A	BLANK,APPARATUS EQPT POS 04-06,13-03			
5290	B4	1	104013743	150B	BLANK,APPARATUS EQPT POS 00			
5300	B5	1	104042163	158G	BLANK,APPARATUS EQPT POS 12, 25, 40, 44, 71, 75, 83			

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

TABLE AA
APPARATUS GROWTH SEQUENCE AND APPARATUS BLANKS TO BE
OMITTED FROM EQUIPMENT SHELF

LIST	CODE	EQL	SEQUENCE	APP BLANK	LIST	POS
5	TN856C	04-060	1	158B	SC\$	27
		13-044	1	158B	SC\$	19
6	TN870	04-068	1	158E	SD\$	30
		13-052	1	158E	SD\$	20

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TABLE D9
DESIGNATION STRIP TABLE

LIST	ASSOCIATED D LIST	ED GROUP FOR LABEL	MFG NOTE
1	D20	ED5D738-10,G1 ED5D738-10,G23	21
1	D21	ED5D738-10,G3 ED5D738-10,G45	22
33		ED5D738-10,G24	28
3A		ED5D738-10,G25	28
4A		ED5D738-10,G26	28
5		ED5D738-10,G27	23,28
6		ED5D738-10,G28	24,28
7		ED5D738-10,G29	28
8		ED5D738-10,G30	28
9		ED5D738-10,G34	25
10		ED5D738-10,G33	25
11		ED5D738-10,G32	25
12		ED5D738-10,G31	25
13		ED5D738-10,G35	26
14		ED5D738-10,G36	26
15A		ED5D738-10,G38	27
16A		ED5D738-10,G39	27
17		ED5D738-10,G41	28
18		ED5D738-10,G42	28
19		ED5D738-10,G43	28
20		ED5D738-10,G44	28
24		ED5D738-10,G40	27
28		ED5D738-10,G37	26

TABLE JJ
REPLACEMENT FUSE ORDERING INFORMATION

COMCODE	POS	DESCRIPTION
406747543	2A, 6A	5 AMP FUSE. USED FOR STANDARD POWERING APPLICATIONS.
406808469	1A, 5A	15 AMP FUSE. USED FOR STANDARD POWERING APPLICATIONS.

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