

ISSUE NOTES (CONTINUED)				
H8360 ADDED PHV4 CIRCUIT PACK. ADDED LIST 16 TO TABLE A, ADDED STOCKLIST ITEM 1150, ADDED LIST 16 TO ENG NOTE 54, ADDED LIST 16 TO TABLES D9 AND D10, MODIFIED LIST 13 TABLE A DESCRIPTION.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-912 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: RJP	CERTIFIED: 07/30/98	ISSUE: 11
H8397 ADDED PH6 CIRCUIT PACK ADDED LIST 17 TO TABLE A, ADDED STOCKLIST ITEM 1160, MODIFIED ENG NOTE 54, MODIFIED TABLES D9 AND D10.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-931 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: RJP	CERTIFIED: 08/14/98	ISSUE: 12
C84522 REPLACE PHV4 SERIES 2:X WITH 3:X. DA LIST 16, ADD LIST 16A, ADD STOCKLIST ITEM 1151, MODIFY ENG NOTE 54, UPDATE TABLE D9 AND D10.				
ORIG ISS: 05/11/95 CHANGE CLASS: AU				
DRAFT: GPO	ENGR: GPO	SUPV: RJP	CERTIFIED: 09/21/98	ISSUE: 13
H8430 REDUCES THE NUMBER OF ORDERABLE ITEMS (CHEETAH INITIATIVE) MODIFIED ENG NOTES 58,59,62,65,66,67,76, ADDED ENG NOTES 499,500, MODIFIED TABLE A LISTS 2 THRU 6,7A,8,9,10A,11,12,13,14A,15, 100 THRU 106,E4,G1 THRU K5, DA LISTS B1 THRU E3,E5 THRU F3, ADDED LISTS F4,F5, MODIFIED MAN NOTE 11, ADDED MAN NOTES 15 THRU 19, MODIFIED STOCKLIST ITEM 1550,1940 THRU 2000,2250 THRU 2415, ADDED STOCKLIST ITEM 2030, MODIFIED TABLE D9, DELETED TABLE D10.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-941 CHANGE CLASS: MF				
DRAFT: GPO	ENGR: GPO	SUPV: RJP	CERTIFIED: 10/29/98	ISSUE: 14

ISSUE NOTES (CONTINUED)				
C64520 ADDED LIST 7A, DA LIST 7, ADDED STOCKLIST ITEM 1061, MODIFIED ENG NOTES 54, 55, AND 72, MODIFIED TABLES D4, D5, D9, AND D10.				
ORIG ISS: 05/11/95 CHANGE CLASS: AU				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 06/18/96	ISSUE: 7
H7827 ADDED LISTS 14, 15, 106 TO TABLE A, ADDED STOCKLIST ITEMS 1130, 1140, 1560, ADDED ENG NOTES 74, 75, MODIFIED ENG NOTES 57, 59, 69, ADDED MAN NOTE 14. MODIFIED TABLES D9, D10.				
H8149 ADDED STOCKLIST ITEMS 2250 THRU 2415, MODIFIED STOCKLIST ITEMS 2200 THRU 2240, MODIFIED TABLE A DESCRIPTIONS K1 THRU K5, E3 AND E4, MODIFIED ENG NOTES 61 AND 65, DELETED TABLES D4 THRU D6.				
C64520 MODIFIED LIST 8 TABLE A DESCRIPTION, MODIFIED ENG NOTE 60.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-747 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 12/19/97	ISSUE: 8
C84505 REPLACE DF2 SERIES 2:X WITH 4:X. DA LIST 14, ADD LIST 14A, ADD STOCKLIST ITEM 1131, MODIFY ENG NOTES 57, 74, AND 75, UPDATE TABLES D9 AND D10.				
ORIG ISS: 05/11/95 NDD NBR: CN84505NW CHANGE CLASS: AU				
DRAFT: GPO	ENGR: GPO	SUPV: RJP	CERTIFIED: 02/11/98	ISSUE: 9
H8020 ADDED PHV3 CIRCUIT PACK. MODIFIED ENG NOTES 54 AND 71, ADDED LIST 13 TO TABLE A, MODIFIED TABLE A LISTS 6, 10A, AND 14A, ADDED STOCKLIST ITEM 1120.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-802 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: RJP	CERTIFIED: 03/04/98	ISSUE: 10

ISSUE NOTES				
THIS DRAWING INTRODUCES THE PACKET SWITCH UNIT MODEL 2.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-456 CHANGE CLASS: NEW				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 05/11/95	ISSUE: 1
H7567 REMOVED NRTO RATING ON LIST 9, REMOVED ENG NOTE 51, MODIFIED ENG NOTES 59 AND 65, ADDED ENG NOTES 69 AND 70, ADDED LISTS K1 THRU K5 IN TABLE A, ADDED REF NOTE TO LIST 8 IN TABLE A, CLARIFIED LISTS 4, 8, 9, E1 THRU E4, F1, AND G1 TABLE A DESCRIPTIONS, ADDED STOCKLIST ITEMS 2200 THRU 2240 ADDED NOTE SYM TO STOCKLIST ITEMS 2000 THRU 2110, UPDATED DESCRIPTION IN STOCKLIST ITEM 1020 (C54520NW).				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-652 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 07/28/95	ISSUE: 2
H7568 ADDED LIST 10 AND STOCKLIST ITEM 1090, ADDED LIST 11 AND STOCKLIST ITEM 1100, ADDED LIST 12 AND STOCKLIST ITEM 1110, MODIFIED ENG NOTE 54, ADDED ENG NOTE 71, ADDED 5EE8(1) REQUIREMENT TO TABLE A DESCRIPTIONS 2 THRU 9, MODIFIED TABLES D4, D5, D9, AND D10.				
H7557 MODIFIED ENG NOTES 61 AND 65. UPDATED DESCRIPTION IN STOCKLIST ITEM 1050 (C54540NW).				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-653 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 01/22/96	ISSUE: 3
H7568 RERATE LIST 10 TO NRTO.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-653 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 01/30/96	ISSUE: 4
C64502 ADDED LIST 10A, DA LIST 10, ADDED STOCKLIST ITEM 1091, MODIFIED ENG NOTES 54 AND 71, MODIFIED TABLES D9 AND D10.				
ORIG ISS: 05/11/95 CHANGE CLASS: AU				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 03/29/96	ISSUE: 5
H7569 REMOVED NRTO RATING ON LISTS 7 AND 8, ADDED LISTS 105, E5, AND E6, MODIFIED LISTS E1, E2, K1, K2, K3, K4, K5, ADDED STOCKLIST ITEMS 1550, 1940 THRU 1952, ADDED ENG NOTE 72 AND 73, MODIFIED ENG NOTES 54, 55, 59, 63, 64, 65, AND 69, MODIFIED TABLES D9 AND D10.				
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-654 CHANGE CLASS: B				
DRAFT: GPO	ENGR: GPO	SUPV: DWM	CERTIFIED: 05/09/96	ISSUE: 6

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR PACKET SWITCH UNIT MODEL 2 (PSU2)	
DWG SIZE C2	ISSUE 25
LUCENT TECHNOLOGIES INC	J5D003BY-1
SHEET A1 OF 9	

ENGINEERING NOTES

52. ONE LIST 1 IS ALWAYS REQUIRED FOR THE FIRST PSU2 SHELF.
53. LIST 1 AS REQUIRED FOR GROWTH SHELVES, WITH A MINIMUM OF 0 AND A MAXIMUM OF 4.
54. THE SUM OF LISTS 5, 6, 7A, 10A, 11, 12, 13, 16B, 17 AND 18 MAY NOT EXCEED 16 PER SHELF.  
THE SUM OF LIST 7A MAY NOT EXCEED 4 PER SIDE.  
(SIDE 0 = PH0 THRU PH7, SIDE 1 = PH8 THRU PH15.)
55. ORDER ONE LIST 8 FOR EACH LIST 7A ORDERED, UP TO A MAXIMUM OF 8 PER SHELF.
56. LISTS 100, 101, 102, 103, AND 104 ARE MUTUALLY EXCLUSIVE. ONE OF THESE LISTS MUST BE ORDERED FOR EACH LIST 1 ORDERED.
57. LISTS 4, 9, AND 14() ARE MUTUALLY EXCLUSIVE. ONE OF THESE LISTS MUST BE ORDERED FOR EACH LIST 1 ORDERED.
58. SEE ENG NOTE 499.
59. SEE ENG NOTE 499.
60. APPLICATION/ENGINEERING DOCUMENTS:  
OFFICE ENGINEERING NOTICES (OEN'S),  
HTTP://ERULES.WEB.LUCENT.COM/OEN/
61. CABINET REQUIREMENTS:  
1. CABINET MUST BE EQUIPPED WITH A MID FAN UNIT,  
2. WHEN EQUIPPING PSU2 SHELVES BELOW THE FAN UNIT, A PLENUM IS NEEDED TO DIRECT AIR FLOW OVER THE BOTTOM THERMISTORS:  
IF 5 PSU2 SHELVES ARE INSTALLED THEN  
A PLENUM MUST BE EQUIPPED AT VERTICAL EQL 11,  
IF 4 PSU2 SHELVES ARE INSTALLED THEN  
PLENUMS MUST BE EQUIPPED AT VERTICAL EQLS 19 AND 11,  
IF 3 OR LESS PSU2 SHELVES ARE INSTALLED THEN  
DO NOT EQUIP THE CABINET WITH PLENUMS.  
3. SEE NOTE 72 FOR MFFU INFORMATION.  
4. THE PSU2 MUST BE IN THE SAME LINE UP AS ITS ASSOCIATED SM.  
THIS IS REQUIRED TO ENSURE ONE VOLT COMMON MODE REJECTION RATIO.
62. 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.  
LIST 1 IS EQUIPPED IN A CABINET AS FOLLOWS:  
(UNIT NUMBER)
- |           |              |    |                      |
|-----------|--------------|----|----------------------|
| 3RD SHELF | PSU2 (2)     | 62 | CABINET VERTICAL EQL |
| 2ND SHELF | PSU2 (1)     | 53 |                      |
| 1ST SHELF | PSU2 (0)     | 45 |                      |
|           | MID FAN UNIT | 36 |                      |
| 4TH SHELF | PSU2 (3)     | 28 |                      |
| 5TH SHELF | PSU2 (4)     | 19 |                      |
|           | PLENUM       | 11 |                      |
63. LISTS F1, F2, AND F3 ARE MUTUALLY EXCLUSIVE. ONE OF THESE LISTS MUST BE ORDERED FOR EACH LIST 1 ORDERED.
64. LISTS G1 AND G2 ARE MUTUALLY EXCLUSIVE. ONE OF THESE LISTS MUST BE ORDERED FOR EACH LIST 1 ORDERED.
65. IF EQUIPPING A PSU2 SHELF INTO A CABINET TO SUPPORT THE AIR EXTENSION WNC FEATURE OR THE DUAL PRI SM THEN DO NOT ORDER LIST E4.  
(FUSE LABELS ARE PROVIDED BY CABINET LIST.)
66. LOOSE LABELS CAN BE ORDERED THROUGH THE CONTROLLING ED DRAWING ONLY. REFERENCE TABLE A, TABLE D9 AND MANUFACTURE NOTES IN J DRAWINGS TO DETERMINE APPROPRIATE ED GROUPS. 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. WHEN MULTIPLE FEATURES ASSOCIATED WITH A GIVEN CIRCUIT PACK ARE BEING SPECIFIED, ONLY ONE D LIST SHOULD BE ORDERED. SPECIFY ONLY THE HIGHEST D LIST NUMBER APROPRIATE FOR THE DESIRED FEATURE SET.
67. ON ALL ORDERS, A HORIZONTAL EQL MUST BE SPECIFIED FOR EACH J LIST WHICH PROVIDES A CIRCUIT PACK IN A MULTI-PURPOSE CIRCUIT PACK POSITION AND FOR EACH ASSOCIATED D( ) LIST.  
PROTOCOL HANDLER (PH) EQPT POS:  
PH 0: 006,  
----- CONTINUED ON NEXT SHEET -----

ISSUE NOTES (CONTINUED)

- C04520 ADD FAN MODIFICATION FOR PH22 EQUIPPAGE  
TABLE A: ADD REF NOTES TO 5,7A,11,12,13,14C,16B,17,18.  
ENG NOTES: ADD 78,79,80.  
ORIG ISS: 05/11/95 CHANGE CLASS: AC
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 08/24/00 | ISSUE: 22 |
|------------|-----------|-----------|---------------------|-----------|
- C04515 ADDED PHV4 CLEI TO STOCKLIST, REMOVE C04520 CHANGES.  
STOCKLIST: MODIFY ITEM 1152.  
ENG NOTES: MODIFY 78,79.  
ORIG ISS: 05/11/95 CHANGE CLASS: AC
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 08/28/00 | ISSUE: 23 |
|------------|-----------|-----------|---------------------|-----------|
- C04520 ADD FAN MODIFICATION FOR PH22 EQUIPPAGE  
TABLE A: ADD REF NOTES TO 5,7A,11,12,13,14C,16B,17,18.  
ENG NOTES: ADD 78,79. MODIFY 60.  
ORIG ISS: 05/11/95 CHANGE CLASS: AC
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 09/19/00 | ISSUE: 24 |
|------------|-----------|-----------|---------------------|-----------|
- H09331 PROVIDES SS7 CAUTION LABELS  
ENG NOTES: ADDED 85  
TABLE A: ADDED D2  
STOCKLIST: ADDED 1800,1810,1820  
MAN NOTES: ADDED 20  
MISC TABLES: MODIFIED D9  
ADD REF NOTE 66 TO TABLE A: 5,7A,10A,11,12,13,16B,17,18  
(REFERENCE: AR 1-0421673)  
ORIG ISS: 05/11/95 CHANGE CLASS: B
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: DWS | CERTIFIED: 07/03/01 | ISSUE: 25 |
|------------|-----------|-----------|---------------------|-----------|

ISSUE NOTES (CONTINUED)

- C94505 ADDED SERIES 4:X PHV CIRCUIT PACK  
ENG NOTES: MODIFIED 54.  
TABLE A: ADDED 16B. MODIFIED 16A.  
STOCKLIST: ADDED 1152.  
MISC TABLES: MODIFIED D9.  
ORIG ISS: 05/11/95 CHANGE CLASS: AU
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 03/09/99 | ISSUE: 15 |
|------------|-----------|-----------|---------------------|-----------|
- C94507 ADDED SERIES 2:5 DFMP-FLEX  
STOCKLIST: MODIFIED 1030.  
OCFIX CORRECTED ENG NOTE QTY AND REF NOTES  
ENG NOTES: MODIFIED 54,  
TABLE A: MODIFIED 16B,17.  
IN ISSUE 15 OF THIS DRAWING, C84531 ADDED SERIES 3:7A PHV3  
STOCKLIST: MODIFIED 1120.  
ORIG ISS: 05/11/95 NDD NBR: C94507NW CHANGE CLASS: AC
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 03/24/99 | ISSUE: 16 |
|------------|-----------|-----------|---------------------|-----------|
- H8564 ADDED PH22 CIRCUIT PACK  
ENG NOTES: MODIFIED 61,72  
TABLE A: ADDED 18. MODIFIED 12.  
MAN NOTES: MODIFIED 19  
STOCKLIST: ADDED 1170  
MISC TABLES: MODIFIED D9.  
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-981 CHANGE CLASS: B
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 06/03/99 | ISSUE: 17 |
|------------|-----------|-----------|---------------------|-----------|
- C94505 ADDED GENERIC RESTRICTIONS ON PHV4  
ENG NOTE: ADDED 77  
TABLE A: MODIFIED 16,16A,16B.  
ORIG ISS: 05/11/95 CHANGE CLASS: AU
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 06/29/99 | ISSUE: 18 |
|------------|-----------|-----------|---------------------|-----------|
- H8623 ADDED DF2B CIRCUIT PACK  
ENG NOTES: MODIFIED 57,74,75.  
TABLE A: ADDED 14B,D1. MODIFIED 14A,15,106.  
MAN NOTE: MODIFIED 18.  
STOCKLIST: ADDED 1132.  
MISC TABLES: MODIFIED D9.  
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-998 CHANGE CLASS: B
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 07/29/99 | ISSUE: 19 |
|------------|-----------|-----------|---------------------|-----------|
- C94528 ADDS DF2B, SERIES 2:X CIRCUIT PACK.  
ENG NOTES: MODIFIED 57,74,75.  
TABLE A: ADDED 14C, MODIFIED 14B,D1.  
STOCKLIST: ADDED 1133.  
MISC TABLES: MODIFIED D9.  
ORIG ISS: 05/11/95 CHANGE CLASS: AU
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 09/28/99 | ISSUE: 20 |
|------------|-----------|-----------|---------------------|-----------|
- H8778 DA PHV1 AND PHV2.  
TABLE A: MODIFY 6,10A.  
ORIG ISS: 05/11/95 NDD NBR: NDD5D003NW-1039 CHANGE CLASS: B
- |            |           |           |                     |           |
|------------|-----------|-----------|---------------------|-----------|
| DRAFT: GPO | ENGR: GPO | SUPV: RJP | CERTIFIED: 12/03/99 | ISSUE: 21 |
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BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
PACKET SWITCH UNIT MODEL 2  
(PSU2)

DWG SIZE C2	ISSUE 25
----------------	-------------

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
EQUIPMENT TO PROVIDE ONE UNIT SHELF ASSEMBLY FOR PACKET SWITCH UNIT MODEL 2 (PSU2).	52 53 62 66		1	1	SD5D523-01	1					
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIRST PSU2 SHELF (PSU2-0). APPARATUS IS NOT EQUIPPED IN GROWTH SHELVES. PROVIDES TN1843 CONTROL FANOUT MODEL 2. MIN 2, MAX 2. 5E10 OR LATER. 5EE8(1) OR LATER.	500		2	1	SD5D523-01	2					
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES UN396 PACKET FANOUT MODEL 2. MIN 2, MAX 2. 5E10 OR LATER. 5EE8(1) OR LATER.	500		3	1	SD5D523-01	3					
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES UN399 DATA FANOUT MULTIPLE PIDB WITH FLEXIBLE TIME SLOT ASSIGNMENT. PROVIDES 4 PIDB CONNECTIONS. SUPPORTS ISDN AND CDMA WIRELESS PROCESSING. MIN 2, MAX 2. 5E10 OR LATER. 5EE8(1) OR LATER.	57 500		4	1	SD5D523-01	4					
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1846 PROTOCOL HANDLER 4. SUPPORTS ISDN AND CDMA WIRELESS PROCESSING (FRAME RELAY). MIN 0, MAX 16. 5E10 OR LATER. 5EE8(1) OR LATER.	54 66 67 78 500		5	1	SD5D523-01	5					
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1844 PROTOCOL HANDLER VOICE. PROVIDES 12 CHANNELS WITH A 8KB PER SEC ENCODING RATE. SUPPORTS CDMA WIRELESS PROCESSING. MIN 0, MAX 16. 5E10 OR LATER. 5EE8(1) OR LATER. DA EFF:12/13/99 FE:J5D003BY-1,L13	54 67 71 500	DA	6	1	SD5D523-01	6					
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1845 PROTOCOL HANDLER ATM. SUPPORTS ATM CONNECTIVITY. MIN 0, MAX 8. 5E10 OR LATER. 5EE8(1) OR LATER. DA EFF:06/18/96 FE:J5D003BY-1,L7A	54 67 72	DA	7	1	SD5D523-01	7					
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1845 PROTOCOL HANDLER ATM, SERIES 2:X. SUPPORTS ATM CONNECTIVITY. MIN 0, MAX 8. 5E10 OR LATER. 5EE8(1) OR LATER. REPL:J5D003BY-1,L7	54 66 67 72 78 500		7A	1	SD5D523-01	7					
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 7A. PROVIDES BK1 PHA OPTICAL INTERFACE, SHORT SPAN. PROVIDES THE INTERFACE TO CONNECT A SONET OC-3 FIBER OPTIC LINK (TRANSMIT & RECEIVE) TO A PHA CKT PACK. MIN 0, MAX 8. 5E10 OR LATER. 5EE8(1) OR LATER.	55 68 69 500		8	1							

TABLE-A CONTINUED

J5D003BY-1

ENGINEERING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

14 62,128,30,160,46,144,14,176,54,136,22,168,38,152  
15 62,128,30,160,46,144,14,176,54,136,22,168,38,152,6  
16 62,128,30,160,46,144,14,176,54,136,22,168,38,152,6,184

79. IF LIST 18() IS BEING ORDERED THEN FAN OPTION J5D003F-2,LGA (NEW STARTS) OR C04520NW (RETROFITS) MUST BE EQUIPPED IN THE CABINET. THIS OPTION KEEPS THE MINIMUM FAN SPEED AT 3000 RPM AND WILL PREVENT PH22 PACKS FROM OVERHEATING WHEN THE PH22 PACKS ARE PARTIALLY EQUIPPED IN THE SHELF. REFERENCE: C04520NW.

80. LIST 14() CLI INFORMATION. BECAUSE OF BACKWARDS COMPATIBILITY ISSUES, THE DF2B PACK HAS THE FOLLOWING CLI VALUES IN THE FOLLOWING SOFTWARE RELEASES:  
SOFTWARE RELEASE CLI VALUE  
-----  
5E12 THRU 5E14 0104  
5E10 THRU 5E12 0104  
5E14SU OR LATER 0304  
5E13.1 OR LATER 0304

85. GUIDELINES FOR ATTACHING SS7 CAUTION LABELS:  
THE LABELS SHOULD BE ATTACHED TO THE PSU2 AND ITS ASSOCIATED SM WHEN THE PSU2 IS USED FOR SS7 SIGNALING. LINE ENGINEER TO SPECIFY WHICH PSU2 SHELVES ARE BEING USED FOR SS7 SIGNALING.  
1. LARGE LABEL: ATTACH LABEL TO CABLE RACK ABOVE PSU2 AND SM CABINET, FRONT AND BACK.  
2. SMALL LABELS: ATTACH ONE LABEL TO EACH SIDE OF EACH PSU2 SHELF BEING USED FOR SS7 SIGNALING AND TO EACH ASSOCIATED SM SHELF, FRONT AND BACK. FOR THE FRONT SIDE LABELS, ATTACH LABEL TO SHELF MOUNTING FLANGE. FOR BACK SIDE LABELS, ATTACH LABEL TO CABINET UPRIGHT.  
3. DESIGNATION STRIP LABEL: REPLACE STANDARD LABEL WITH "SS7" DESIGNATION STRIP LABEL ON EACH PSU2 SHELF BEING USED FOR SS7 SIGNALING.

499. FUSE ASSIGNMENTS AND LABELS:  
FUSE ASSIGNMENTS: ED5D693-10,  
FUSE LABELS FOR 5ESS-2000 GLOBAL PHASE II CABINET: ED5D088-12,  
FUSE LABELS FOR 5ESS CLASSIC CABINET: ED5D088-12.  
ENGINEERABLE CABLES:  
PERIPHERAL INTERFACE CONTROL BUS (PICB): ED5D734-10,  
PERIPHERAL INTERFACE DATA BUS (PIDB): ED5D734-10,  
DIRECTLY CONNECTED PIDB (DPIDB): ED5D734-10,  
PACKET BUS (PB): ED5D734-10,  
SONET OC-3 FIBER OPTIC LINK: ED5D824-11,  
PCT FIBER OPTIC LINK: ED5D734-10.  
APPARATUS BLANKS:  
REPLACEMENT APPARATUS BLANKS CAN BE ORDERED FROM ED5D868-30,  
5ESS SWITCH COMMON USE HARDWARE AND MATERIAL.  
RETROFIT KITS:  
CONVERSION FROM DATA FANOUT (DF OR DFMP) WITH PIDB'S TO DATA FANOUT W/PERIPHERAL CONTROL AND TIMING LINK (DF2): ED5D864-30.

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

ENGINEERING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

PH 1: 014,  
PH 2: 022,  
PH 3: 030,  
PH 4: 038,  
PH 5: 046,  
PH 6: 054,  
PH 7: 062,  
PH 8: 128,  
PH 9: 136,  
PH10: 144,  
PH11: 152,  
PH12: 160,  
PH13: 168,  
PH14: 176,  
PH15: 184.

68. THE ATM OPTICAL INTERFACE IS MOUNTED ON THE WIRING SIDE OF THE BACKPLANE AT PIN LOCATION 332. THE EQUIP POS IS DETERMINED BY ITS ASSOCIATED PHA CIRCUIT PACK.

69. THE SONET OC-3 FIBER OPTIC CABLE PAIR (TRANSMIT & RECEIVE) AND PCT LINK (TX & RX) ARE X DIMENSION CABLES. LINE ENGINEER MUST PROVIDE CABLE LENGTH FOR EACH CABLE ORDERED.

70. LISTS K1, K2, K3, K4, AND K5 ARE MUTUALLY EXCLUSIVE. ONE OF THESE LISTS MUST BE ORDERED FOR EACH LIST 1 ORDERED.

71. FOR 5E10, 5EE9(1) OR EARLIER:  
LISTS 6 AND 10A ARE MUTUALLY EXCLUSIVE.  
MIXING OF BOTH PHV1'S AND PHV2'S IN THE OFFICE/PSU2 IS NOT SUPPORTED.  
FOR 5E11, 5E10(1) OR LATER:  
PHV1 AND PHV2 CAN BE EQUIPPED/MIXED ON THE SAME PSU2 SHELF.

72. NEW SHIPS:  
IF THE LTP CABINET IS ONLY EQUIPPED WITH PSU2 UNITS THEN EQUIP THE CABINET WITH MFFU LIST 161.  
OFFICE RETROFITS:  
IF 5 PSU2 UNITS ARE EQUIPPED IN A LTP CABINET AND ONE OR MORE UNITS ARE EQUIPPED WITH LIST 7A OR 18 THEN THE CABINET MUST BE EQUIPPED WITH MFFU LIST 161 WHICH PROVIDES 10 POWER FEEDERS.

73. IF LIST 8 IS BEING ORDERED AND THE OFFICE HAS NOT BEEN EQUIPPED WITH LIST 8 PREVIOUSLY THEN ORDER ONE LIST 105.

74. ORDER ONE LIST 15 FOR EACH LIST 14() ORDERED, WITH A MINIMUM OF 2 AND A MAXIMUM OF 2 PER SHELF.

75. ORDER ONE LIST 106 FOR EACH SHELF EQUIPPED WITH LIST 14(), WITH A MINIMUM OF 1 AND A MAXIMUM OF 1 PER SHELF.

76. SEE ENG NOTE 499.

77. WHEN RETROFITTING AN OFFICE TO 5E14 OR 5E11(1) WHICH IS EQUIPPED WITH LIST 16 OR LIST 16A, THESE PACKS MUST BE UPDATED TO LIST 16B PER CN94505.2.

78. RELIABILITY GUIDELINES:  
PROTOCOL HANDLER (PH) PACKS SHOULD BE EQUIPPED IN THE SHELF ACROSS FUSE GROUPS FOR MAXIMUM RELIABILITY AND COOLING. THE PH PACKS SHOULD BE EQUIPPED IN THE FOLLOWING ORDER:  
NUM OF PH'S HORIZONTAL EQL  
----  
1 62  
2 62,128  
3 62,128,30  
4 62,128,30,160  
5 62,128,30,160,46  
6 62,128,30,160,46,144  
7 62,128,30,160,46,144,14  
8 62,128,30,160,46,144,14,176  
9 62,128,30,160,46,144,14,176,54  
10 62,128,30,160,46,144,14,176,54,136  
11 62,128,30,160,46,144,14,176,54,136,22  
12 62,128,30,160,46,144,14,176,54,136,22,168  
13 62,128,30,160,46,144,14,176,54,136,22,168,38  
----- CONTINUED TO THE LEFT -----

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BT13

5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
PACKET SWITCH UNIT MODEL 2  
(PSU2)

DWG SIZE C2 ISSUE 25

LUCENT TECHNOLOGIES INC J5D003BY-1 SHEET A3 OF 9

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	
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES MC5D124A1D DATA FANOUT WITH FLEXIBLE TIME SLOT ASSIGNMENT. PROVIDES 1 PIDB AND 6 DPIDB CONNECTIONS. SUPPORTS ISDN. MIN 2, MAX 2. 5E10 OR LATER. 5EE8(1) OR LATER.	57 500		9	1	SD5D523-01	8						
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1856 PROTOCOL HANDLER VOICE, MODEL 2. PROVIDES A 13KB/SEC ENCODING RATE. SUPPORTS CDMA WIRELESS PROCESSING. MIN 0, MAX 16. 5E10 OR LATER. 5EE8(1) OR LATER. DA EFF:03/29/96 FE:J5D003BY-1,L10A	54 67 71	DA	10	1	SD5D523-01	9						
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1856 PROTOCOL HANDLER VOICE, MODEL 2, SERIES 3:X. PROVIDES 12 CHANNELS WITH A 13KB/SEC ENCODING RATE. SUPPORTS CDMA WIRELESS PROCESSING. MIN 0, MAX 16. 5E10 OR LATER. 5EE8(1) OR LATER. DA EFF:12/13/99 FE:J5D003BY-1,L16B	54 66 67 71 500	DA	10A	1	SD5D523-01	9						
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES MC5D146A1C (TN1367C) PROTOCOL HANDLER 3. SUPPORTS CCS7 APPLICATIONS. MIN 0, MAX 16. 5E11 OR LATER.	54 66 67 78 500		11	1	SD5D523-01	10						
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES MC5D160A1C (TN1371C) PROTOCOL HANDLER 3. SUPPORTS CCS7 AND ISDN APPLICATIONS. MIN 0, MAX 16. 5EE8(1) OR LATER.	54 66 67 78 500		12	1	SD5D523-01	11						
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1862 PROTOCOL HANDLER VOICE, MODEL 3. PROVIDES 16 CHANNELS WITH A DOWNLOADABLE ENCODING ALGORITHM. SUPPORTS MULTIPLE WIRELESS PROCESSING STANDARDS. MIN 0, MAX 16. 5E12 OR LATER, 5E10(1) OR LATER.	54 66 67 78 500		13	1	SD5D523-01	12						
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES UN592 DATA FANOUT PCT (DF2). PROVIDES 1 PCT LINK, TRANSMIT & RECEIVE. SUPPORTS CDMA WIRELESS PROCESSING. MIN 2, MAX 2. 5E12 OR LATER, 5E10(1) OR LATER. DA EFF:02/11/98 FE:J5D003BY-1,L14A	57 500	DA	14	1	SD5D523-01	13						
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES UN592 DATA FANOUT PCT (DF2), SERIES 4:X. PROVIDES 1 PCT LINK, TRANSMIT & RECEIVE. PROVIDES ACCESS TO A MAXIMUM OF 756 TIME SLOTS PER PSU2 SHELF. HOWEVER, THE ACTUAL NUMBER OF TIME SLOTS BEING ACCESSED PER SHELF IS DETERMINED BY THE SYSTEM SOFTWARE. MIN 2, MAX 2. 5E12 OR LATER, 5E10(1) OR LATER. DA EFF:07/29/99 FE:J5D003BY-1,L14B REPL:J5D003BY-1,L14	57 500	DA	14A	1	SD5D523-01	13						

TABLE-A CONTINUED

J5D003BY-1

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	
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES UN592B DATA FANOUT PCT (DF2B). PROVIDES 1 PCT LINK, TRANSMIT & RECEIVE. PROVIDES ACCESS TO A MAXIMUM OF 768 TIME SLOTS PER PSU2 SHELF. HOWEVER, THE ACTUAL NUMBER OF TIME SLOTS BEING ACCESSED PER SHELF IS DETERMINED BY THE SYSTEM SOFTWARE. MIN 2, MAX 2. 5E12 OR LATER, 5E10(1) OR LATER. DA EFF:09/28/99 FE:J5D003BY-1,L14C	57 500	DA	14B	1	SD5D523-01	13						
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES UN592B DATA FANOUT PCT (DF2B), SERIES 2:X. PROVIDES 1 PCT LINK, TRANSMIT & RECEIVE. PROVIDES ACCESS TO A MAXIMUM OF 768 TIME SLOTS PER PSU2 SHELF. HOWEVER, THE ACTUAL NUMBER OF TIME SLOTS BEING ACCESSED PER SHELF IS DETERMINED BY THE SYSTEM SOFTWARE. MIN 2, MAX 2. 5E12 OR LATER, 5E10(1) OR LATER. REPL:J5D003BY-1,L14B	57 80 500		14C	1	SD5D523-01	13						
APPARATUS ALWAYS REQUIRED IN ADDITION TO LIST 14(). PROVIDES 982TN PCT LINK OPTICAL INTERFACE. PROVIDES THE INTERFACE TO CONNECT A PCT LINK (TRANSMIT & RECEIVE) TO A DF2 CIRCUIT PACK. MIN 2, MAX 2. 5E12 OR LATER, 5E10(1) OR LATER.	69 74 500		15	1								
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1863 PROTOCOL HANDLER VOICE, MODEL 4. PROVIDES 32 CHANNELS WITH A DOWNLOADABLE ENCODING ALGORITHM. SUPPORTS MULTIPLE WIRELESS PROCESSING STANDARDS. MIN 0, MAX 16. 5E12 THRU 5E13. DA EFF:09/21/98 FE:J5D003BY-1,L16A	54 67 77	DA	16	1	SD5D523-01	14						
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1863 SERIES 3:X. PROVIDES 32 CHANNELS WITH A DOWNLOADABLE ENCODING ALGORITHM. SUPPORTS MULTIPLE WIRELESS PROCESSING STANDARDS. MIN 0, MAX 16. 5E12 THRU 5E13. DA EFF:03/09/99 FE:J5D003BY-1,L16B	54 67 77	DA	16A	1	SD5D523-01	14						

TABLE-A CONTINUED

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5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
PACKET SWITCH UNIT MODEL 2  
(PSU2)

DWG SIZE C2 ISSUE 25

LUCENT TECHNOLOGIES INC J5D003BY-1

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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
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1863 SERIES 4:X PROTOCOL HANDLER VOICE, MODEL 4. PROVIDES 32 CHANNELS WITH A DOWNLOADABLE ENCODING ALGORITHM. SUPPORTS MULTIPLE WIRELESS PROCESSING STANDARDS. MIN 0, MAX 16. 5E12 OR LATER, 5EE11(1) OR LATER.	54 66 67 77 78 500		16B	1	SD5D523-01	14					
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1848 PROTOCOL HANDLER 6. SUPPORTS STPI MESSAGE ACCOUNTING. MIN 0, MAX 16. 5EE8(1) OR LATER.	54 66 67 78 500		17	1	SD5D523-01	15					
APPARATUS REQUIRED IN ADDITION TO LIST 1. PROVIDES TN1873 PROTOCOL HANDLER 22. SUPPORTS CCS7 APPLICATIONS. MIN 0, MAX 16. 5E14 OR LATER, 5EE12(1) OR LATER.	54 66 67 72 78 79 500		18	1	SD5D523-01	16					
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIRST PSU2 SHELF (PSU2-0). PROVIDES ED5D585-29,G43 BACKPLANE CONNECTOR. MIN 1, MAX 1.	56 500		100	1	SD5D523-01	1		Z			
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE SECOND PSU2 SHELF (PSU2-1). PROVIDES ED5D585-29,G44 BACKPLANE CONNECTOR. MIN 1, MAX 1.	56 500		101	1	SD5D523-01	1		Y			
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE THIRD PSU2 SHELF (PSU2-2). PROVIDES ED5D585-29,G45 BACKPLANE CONNECTOR. MIN 1, MAX 1.	56 500		102	1	SD5D523-01	1		X			
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FOURTH PSU2 SHELF (PSU2-3). PROVIDES ED5D585-29,G46 BACKPLANE CONNECTOR. MIN 1, MAX 1.	56 500		103	1	SD5D523-01	1		W			
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIFTH PSU2 SHELF (PSU2-4). PROVIDES ED5D585-29,G47 BACKPLANE CONNECTOR. MIN 1, MAX 1.	56 500		104	1	SD5D523-01	1		V			
EQUIPMENT REQUIRED IN ADDITION TO THE FIRST APPLICATION OF LIST 8 IN AN OFFICE. PROVIDES 2 FOOT FIBER OPTIC CABLE FOR TEST/DIAGNOSTIC USE ONLY. MIN 1, MAX 1 PER OFFICE.	73 500		105	1	ED5D824-11	3					
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 14(). PROVIDES DF2 TIMING CROSS COUPLE CABLE. MIN 1, MAX 1.	75 500		106	1	ED5D621-24	50					
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES 178A APPARATUS BLANK. MIN 1, MAX 1. DA EFF:10/29/98 FE/RA:NONE		DA	B1	1							
TABLE-A CONTINUED											

J5D003BY-1

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
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES 178B APPARATUS BLANK. MIN 2, MAX 2. DA EFF:10/29/98 FE/RA:NONE		DA	B2	1							
EQUIPMENT REQUIRED IN ADDITION TO LIST 1. PROVIDES 178D APPARATUS BLANK. MIN 0, MAX 18. DA EFF:10/29/98 FE/RA:NONE		DA	B3	1							
EQUIPMENT REQUIRED IN ADDITION TO LIST 14() WHEN ACCESS TO A MAXIMUM OF 768 TIME SLOTS ARE REQUIRED. PROVIDES UN592B LABEL. MIN 2, MAX 2.	66 67		D1	1	ED5D083-10	105					
EQUIPMENT REQUIRED IN ADDITION TO LIST 1 WHEN THE PSU2 IS USED FOR SS7 SIGNALING. PROVIDES SS7 CAUTION LABELS. MIN 1, MAX 1 PER CABINET.	85		D2								
EQUIPMENT REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIRST PSU2 SHELF (PSU2-0) INTO A LTP CABINET E/W MFFU LIST 110,D (8 POWER FEEDERS) THAT WILL ONLY BE EQUIPPED WITH PSU2 UNITS. PROVIDES FUSE BLOCK LABELS (LEFT, CENTER, AND RIGHT) FOR 5 PSU2 UNITS IN A SM TYPE CABINET. MIN 1, MAX 1. DA EFF:10/29/98 FE:J5D003BY-1,LE4	65	DA	E1	1	ED5D088-10	628A 628B 628C					
EQUIPMENT REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIRST PSU2 SHELF (PSU2-0) INTO A LTP CABINET E/W MFFU LIST 110,D (8 POWER FEEDERS) THAT WILL ONLY BE EQUIPPED WITH PSU2 UNITS. PROVIDES FUSE BLOCK LABELS (LEFT, CENTER, AND RIGHT) FOR 5 PSU2 UNITS IN A SM2000 TYPE CABINET. MIN 1, MAX 1. DA EFF:10/29/98 FE:J5D003BY-1,LE4	65	DA	E2	1	ED5D088-12	153A 153B 153C					
EQUIPMENT REQUIRED IN ADDITION TO LIST 1 FOR EACH PSU2 SHELF ORDERED FOR A CABINET NOT DEDICATED TO PSU2 UNITS. PROVIDES 6 FUSE PATCH LABELS FOR MOUNTING ONE PSU2 INTO A SM TYPE CABINET. MIN 1, MAX 1. DA EFF:10/29/98 FE:J5D003BY-1,LE4	65	DA	E3	1	ED5D088-10	629 630 631 632 633 634					
TABLE-A CONTINUED											

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5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
PACKET SWITCH UNIT MODEL 2  
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DWG SIZE C2 ISSUE 25

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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	
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES 6 FUSE PATCH LABELS FOR MOUNTING A PSU2 INTO A CABINET. MIN 1, MAX 1.	65 500		E4	1	ED5D088-12	102 103 104 105 106 107						
EQUIPMENT REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIRST PSU2 SHELF (PSU2-0) INTO A LTP CABINET E/W MFFU LIST 161 (10 POWER FEEDERS) THAT WILL ONLY BE EQUIPPED WITH PSU2 UNITS. PROVIDES FUSE BLOCK LABELS (LEFT, CENTER, AND RIGHT) FOR 5 PSU2 UNITS IN A SM TYPE CABINET. MIN 1, MAX 1. DA EFF:10/29/98 FE:J5D003BY-1,LE4	65	DA	E5	1	ED5D088-10	661A 661B 661C						
EQUIPMENT REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIRST PSU2 SHELF (PSU2-0) INTO A LTP CABINET E/W MFFU LIST 161 (10 POWER FEEDERS) THAT WILL ONLY BE EQUIPPED WITH PSU2 UNITS. PROVIDES FUSE BLOCK LABELS (LEFT, CENTER, AND RIGHT) FOR 5 PSU2 UNITS IN A SM2000 TYPE CABINET. MIN 1, MAX 1. DA EFF:10/29/98 FE:J5D003BY-1,LE4	65	DA	E6	1	ED5D088-12	217A 217B 217C						
EQUIPMENT REQUIRED IN ADDITION TO LIST 1. PROVIDES FINAL ASSEMBLY KIT FOR MOUNTING A PSU2 INTO A SM2000 CABINET. MIN 1, MAX 1. DA EFF:10/29/98 FE:J5D003BY-1,LF4	63	DA	F1	1								
EQUIPMENT REQUIRED IN ADDITION TO LIST 1. PROVIDES FINAL ASSEMBLY KIT FOR MOUNTING A PSU2 INTO A SM CABINET EQUIPPED WITH A MODULAR FUSE FILTER UNIT. MIN 1, MAX 1. DA EFF:10/29/98 FE:J5D003BY-1,LF4	63	DA	F2	1								
EQUIPMENT REQUIRED IN ADDITION TO LIST 1. PROVIDES FINAL ASSEMBLY KIT FOR MOUNTING A PSU2 INTO A NSI CABINET EQUIPPED WITH A MODULAR FUSE FILTER UNIT. MIN 1, MAX 1. DA EFF:10/29/98 FE/RA:NONE	63	DA	F3	1								
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES FINAL ASSEMBLY KIT FOR MOUNTING A PSU2 INTO A CABINET. MIN 1, MAX 1.	500		F4	1								
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1. PROVIDES APPARATUS BLANK KIT FOR ONE PSU2.	499		F5	1								
EQUIPMENT REQUIRED IN ADDITION TO LIST 1. PROVIDES UNIT GUIDE KIT FOR MOUNTING A PSU2 INTO A 5ESS-2000 GLOBAL PHASE II CABINET. MIN 1, MAX 1.	64 500		G1	1								
EQUIPMENT REQUIRED IN ADDITION TO LIST 1. PROVIDES UNIT GUIDE KIT FOR MOUNTING A PSU2 INTO A 5ESS CLASSIC CABINET.	64 500		G2	1								
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIRST PSU2 SHELF (PSU2-0). PROVIDES CABLES. MIN 1, MAX 1.	70 500		K1	1	ED5D621-24	1A 2A 20 21						

TABLE-A CONTINUED

J5D003BY-1

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	
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE SECOND PSU2 SHELF (PSU2-1). PROVIDES CABLES. MIN 1, MAX 1.	70 500		K2	1	ED5D621-24	3A 4A 22 23 40 41 10						
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE THIRD PSU2 SHELF (PSU2-2). PROVIDES CABLES. MIN 1, MAX 1.	70 500		K3	1	ED5D621-24	5A 6A 24 25 42 43 10						
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FOURTH PSU2 SHELF (PSU2-3). PROVIDES CABLES. MIN 1, MAX 1.	70 500		K4	1	ED5D621-24	7A 8A 26 27 44 45 127 128						
EQUIPMENT ALWAYS REQUIRED IN ADDITION TO LIST 1 WHEN EQUIPPING THE FIFTH PSU2 SHELF (PSU2-4). PROVIDES CABLES. MIN 1, MAX 1.	70 500		K5	1	ED5D621-24	9A 10A 28 29 46 47 10						
END OF TABLE-A												

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5ESS SWITCHING EQUIPMENT  
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PACKET SWITCH UNIT MODEL 2  
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DWG SIZE  
C2

ISSUE  
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SHOP X

MANUFACTURING NOTES

\*\*\*\*\* CONTINUED \*\*\*\*\*

20. LIST D2 PROVIDES FIVE "SS7" FRONT DESIGNATION STRIP LABELS. THE UNIT IDENTIFICATION NUMBER STAMPED ON THE LABELS ARE TO BE 0 THROUGH 4 RESPECTIVELY.

SHOP X

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.

11. POSITION NUMBERS FOR APPARATUS BLANKS ARE NUMBERED SEQUENTIALLY FROM LEFT TO RIGHT (FRONT VIEW) STARTING WITH NUMBER 1.

POSITION NUMBER	APPARATUS BLANK TYPE	COMCODE
1,25	178B	106247018
13	178A	106247000
2,3,4,5,6,7,8,9, 10,16,17,18,19, 20,21,22,23,24	178D	106247034

- X X 12. EQUIP BACKPLANE CONNECTOR AT LOCATION 04-125-000.
- X X 13. EQUIP DATA FANOUT CIRCUIT PACKS AT EQPT POS 088,100
- X X 14. EQUIP PCT LINK OPTICAL INTERFACE BOARD AT LOCATIONS 04-088-132 AND 04-100-132.
- 15. BASIC FRONT AND REAR LABEL INFORMATION THAT IS ALWAYS REQUIRED WHEN THE UNIT IS ACCOMPANIED BY A FINAL ASSEMBLY KIT.
- 16. HORIZONTAL EQLS 070, 120 ARE ALWAYS EQUIPPED WITH THE SAME CIRCUIT PACK CODE. WHEN THE FIRST LIST 2 IS ORDERED, ALL GROWTH LOCATIONS MUST BE LABELED WITH GROUP 85 INFORMATION.
- 17. HORIZONTAL EQLS 078, 110 ARE ALWAYS EQUIPPED WITH THE SAME CIRCUIT PACK CODE. WHEN THE FIRST LIST 3 IS ORDERED, ALL GROWTH LOCATIONS MUST BE LABELED WITH GROUP 86 INFORMATION.
- 18. HORIZONTAL EQLS 088, 100, ARE MULTIPLE PURPOSE POSITIONS THAT CAN BE LABELED PER GROUPS 87,90,93,105. MULTIPLE PURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION.
- 19. HORIZONTAL EQLS 006, 014, 022, 030, 038, 046, 054, 062, 128, 136, 144, 152, 160, 168, 176, 184 ARE MULTIPLE PURPOSE POSITIONS THAT CAN BE LABELED PER GROUPS 79, 81, 82, 88, 89, 91, 92, 104. MULTIPLE PURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION.

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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
1000	1	1	847390838		ASSEMBLY, SHELF			
1010	2	1	106951007	TN1843	PACK, CIRCUIT CLEI = E5PQAJ1A EQPT POS 070,120			
1020	3	1	106950991	UN396	PACK, CIRCUIT FE CLEI=E5PQAJ2A CLEI = E5PQAPMA EQPT POS 078,110			
1030	4	1	107215337	UN399	PACK, CIRCUIT FE CLEI=E5PQAMBA CLEI = E5PQAZ3A			13
1040	5	1	107488736	TN1846	PACK, CIRCUIT CLEI = E5PQAN4A			
1050	6	1	106951015	TN1844	PACK, CIRCUIT FE CLEI=E5PQAKJA CLEI = E5PQARNA			
1060	7	1	106951023	TN1845	PACK, CIRCUIT CLEI = E5PQALTA			
1061	7A	1	107824542	TN1845	PACK, CIRCUIT, PROTOCOL HANDLER FOR ATM CLEI = E5PQATKAAA			
1070	8	1	107313728	BKE1	PACK, CIRCUIT CLEI = E5PQAMJA			
1080	9	1	106768781	MC5D124A-1D	PACK, CIRCUIT, MICROCODED USED ON UN192D CLEI = E5MQAE8A			13
1090	10	1	107509952	TN1856	PACK, CIRCUIT CLEI = E5PQAPTA			
1091	10A	1	107737389	TN1856	PACK, CIRCUIT CLEI = E5PQASBA			
1100	11	1	107194813	MC5D146A-1C	PACK, CIRCUIT USED ON TN1367C CLEI = E5MQAEPA			
1110	12	1	107194821	MC5D160A-1C	PACK, CIRCUIT, MICROCODED USED ON TN1371C CLEI = E5MQAENA			
1120	13	1	107756629	TN1862	PACK, CIRCUIT FE CLEI=E5FTBC0A CLEI = E5FTBCBA			
1130	14	1	107730855	UN592	PACK, CIRCUIT PSU TIME SLOT DISTRIBUTION CLEI = E5PQASWA			13
1131	14A	1	108226796	UN592	PACK, CIRCUIT PSU TIME SLOT DISTRIBUTION CLEI = E5PQAXCA			13
1132	14B	1	108461435	UN592B	PACK, CIRCUIT DATA FANOUT 2 PSU TIMESLOT CLEI = E5PQAZXA			13
1133	14C	1	108631474	UN592B	PACK, CIRCUIT DAATA FANOUT 2 PSU TIMESLOT			13
1140	15	1	104177704	982TN	CONNECTOR			14
1150	16	1	107787749	TN1863	PACK, CIRCUIT PROTOCOL HANDLER FOR VOICE MODEL 4 - 32 CHANNEL CLEI = E5FTBDA			
1151	16A	1	108364795	TN1863	PACK, CIRCUIT PROTOCOL HANDLER FOR VOICE MODEL 4 - 32 CHANNEL CLEI = E5FTBDAA			
1152	16B	1	108480310	TN1863	PACK, CIRCUIT FE CLEI=E5FTBDCA PROTOCOL HANDLER FOR VOICE MODEL 4 - 32 CHANNEL CLEI = E5FTBDCA			
1160	17	1	107708927	TN1848	PACK, CIRCUIT CLEI = E5PQARYA			
1170	18	1	108038050	TN1873	PACK, CIRCUIT PROTOCOL HANDLER 22 CLEI = E5PQAV9A			
1500	100	1	ED5D585-29,G43		ASSEMBLY, BACKPLANE CONNECTOR			12

\*\*\*\*\* 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
1510	101	1	ED5D585-29,G44		ASSEMBLY, BACKPLANE CONNECTOR			12
1520	102	1	ED5D585-29,G45		ASSEMBLY, BACKPLANE CONNECTOR			12
1530	103	1	ED5D585-29,G46		ASSEMBLY, BACKPLANE CONNECTOR			12
1540	104	1	ED5D585-29,G47		ASSEMBLY, BACKPLANE CONNECTOR			12
1550	105	1	ED5D824-11,G3		CABLE, SONET OC-3 FIBER OPTIC LINK			*/
1560	106	1	ED5D621-24,G50		ASSEMBLY, CABLE			
1600	B1	1	106247000	178A	BLANK, APPARATUS PRNTD WIRING BOARD SPACES			
1610	B2	1	106247018	178B	BLANK, APPARATUS			
1620	B3	1	106247034	178D	BLANK, APPARATUS PRNTD WIRING BOARD SPACES			
1800	D2	4	848760542		LABEL, CAUTION			
1810	D2	32	848760559		LABEL, INFORMATION			
1820	D2	5	ED5D083-10,G108		LABEL, DESIGNATION			20
1900	E1	1	ED5D088-10,G628A		LABEL, FUSE			*/
1901	E1	1	ED5D088-10,G628B		LABEL, FUSE			*/
1902	E1	1	ED5D088-10,G628C		LABEL, FUSE			*/
1910	E2	1	ED5D088-12,G153A		LABELS, FUSE			*/
1911	E2	1	ED5D088-12,G153B		LABELS, FUSE			*/
1912	E2	1	ED5D088-12,G153C		LABELS, FUSE			*/
1920	E3	1	ED5D088-10,G629		LABEL, FUSE			*/
1921	E3	1	ED5D088-10,G630		LABEL, FUSE			*/
1922	E3	1	ED5D088-10,G631		LABEL, FUSE			*/
1923	E3	1	ED5D088-10,G632		LABEL, FUSE			*/
1924	E3	1	ED5D088-10,G633		LABEL, FUSE			*/
1925	E3	1	ED5D088-10,G634		LABEL, FUSE			*/
1930	E4	1	ED5D088-12,G102		LABELS, FUSE			*/
1931	E4	1	ED5D088-12,G103		LABELS, FUSE			*/
1932	E4	1	ED5D088-12,G104		LABELS, FUSE			*/
1933	E4	1	ED5D088-12,G105		LABELS, FUSE			*/
1934	E4	1	ED5D088-12,G106		LABELS, FUSE			*/
1935	E4	1	ED5D088-12,G107		LABELS, FUSE			*/
1940	E5	1	ED5D088-10,G661A		LABEL, FUSE			*/
1941	E5	1	ED5D088-10,G661B		LABEL, FUSE			*/
1942	E5	1	ED5D088-10,G661C		LABEL, FUSE			*/
1950	E6	1	ED5D088-12,G217A		LABELS, FUSE			*/
1951	E6	1	ED5D088-12,G217B		LABELS, FUSE			*/
1952	E6	1	ED5D088-12,G217C		LABELS, FUSE			*/
2000	F1,F4	1	847393899		KIT, FINAL ASSEMBLY			X/

STOCKLIST CONTINUED ON SHEET D3

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5ESS SWITCHING EQUIPMENT  
SPECIFICATION FOR  
PACKET SWITCH UNIT MODEL 2  
(PSU2)

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
2010	F2	1	847413309		KIT,FINAL ASSEMBLY		X/	
2020	F3	1	847415130		KIT,FINAL ASSEMBLY		X/	
2030	F5	1	848223376		KIT,APPARATUS BLANK			
2100	G1	1	847286747		KIT,MOUNTING UNIT GUIDE FOR 500-U TYPE APP MTG		X/	
2110	G2	1	847196763		KIT,MOUNTING UNIT GUIDE FOR 500-U TYPE APP MTG		X/	
2200	K1	1	ED5D074-40,G101		KIT, CABLE		*	
2210	K2	1	ED5D074-40,G102		KIT, CABLE		*	
2220	K3	1	ED5D074-40,G103		KIT, CABLE		*	
2230	K4	1	ED5D074-40,G104		KIT, CABLE		*	
2240	K5	1	ED5D074-40,G105		KIT, CABLE		*	
2250	K1	1	ED5D621-24,G1A		ASSEMBLY, CABLE		*/	
2255	K1	1	ED5D621-24,G2A		ASSEMBLY, CABLE		*/	
2260	K2	1	ED5D621-24,G3A		ASSEMBLY, CABLE		*/	
2265	K2	1	ED5D621-24,G4A		ASSEMBLY, CABLE		*/	
2270	K3	1	ED5D621-24,G5A		ASSEMBLY, CABLE		*/	
2275	K3	1	ED5D621-24,G6A		ASSEMBLY, CABLE		*/	
2280	K4	1	ED5D621-24,G7A		ASSEMBLY, CABLE		*/	
2285	K4	1	ED5D621-24,G8A		ASSEMBLY, CABLE		*/	
2290	K5	1	ED5D621-24,G9A		ASSEMBLY, CABLE		*/	
2295	K5	1	ED5D621-24,G10A		ASSEMBLY, CABLE		*/	
2300	K1	1	ED5D621-24,G20		ASSEMBLY, CABLE		*/	
2305	K1	1	ED5D621-24,G21		ASSEMBLY, CABLE		*/	
2310	K2	1	ED5D621-24,G22		ASSEMBLY, CABLE		*/	
2315	K2	1	ED5D621-24,G23		ASSEMBLY, CABLE		*/	
2320	K3	1	ED5D621-24,G24		ASSEMBLY, CABLE		*/	
2325	K3	1	ED5D621-24,G25		ASSEMBLY, CABLE		*/	
2330	K4	1	ED5D621-24,G26		ASSEMBLY, CABLE		*/	
2335	K4	1	ED5D621-24,G27		ASSEMBLY, CABLE		*/	
2340	K5	1	ED5D621-24,G28		ASSEMBLY, CABLE		*/	
2345	K5	1	ED5D621-24,G29		ASSEMBLY, CABLE		*/	
2350	K2	1	ED5D621-24,G40		ASSEMBLY, CABLE		*/	
2355	K2	1	ED5D621-24,G41		ASSEMBLY, CABLE		*/	
2360	K3	1	ED5D621-24,G42		ASSEMBLY, CABLE		*/	
2365	K3	1	ED5D621-24,G43		ASSEMBLY, CABLE		*/	
2370	K4	1	ED5D621-24,G44		ASSEMBLY, CABLE		*/	
2375	K4	1	ED5D621-24,G45		ASSEMBLY, CABLE		*/	
2380	K5	1	ED5D621-24,G46		ASSEMBLY, CABLE		*/	
2385	K5	1	ED5D621-24,G47		ASSEMBLY, CABLE		*/	
2400	K2 K3 K5	14	ED5D507-17,G10, G10, G10		ASSEMBLY, CABLE		*/	
2410	K4	1	ED5D507-17,G127		ASSEMBLY, CABLE		*/	
2415	K4	1	ED5D507-17,G128		ASSEMBLY, CABLE		*/	

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

TABLE D9

TABLE D9 - LIST TO GROUP MAPPING [70]			
LIST	D LIST	ED, GROUP FOR LABEL	NOTE
1		ED5D083-10,G109	15
1		ED5D083-10,G84	
1	D2	ED5D083-10,G108	20
2		ED5D083-10,G85	16 CF2
3		ED5D083-10,G86	17 PF2
4		ED5D083-10,G87	18 DFMP-FLEX
5		ED5D083-10,G79	19 PH4
6		ED5D083-10,G88	19 PHV
7A		ED5D083-10,G89	19 PHA
9		ED5D083-10,G90	18 DF-FLEX
10A		ED5D083-10,G91	19 PHV2
11		ED5D083-10,G81	19 PH3
12		ED5D083-10,G82	19 PH3I
13		ED5D083-10,G92	19 PHV3
14A		ED5D083-10,G93	18
14C		ED5D083-10,G93	DF2
14C	D1	ED5D083-10,G105	
16B		ED5D083-10,G95	19 PHV4
17		ED5D083-10,G80	19 PH6
18		ED5D083-10,G104	19 PH22

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