

ISSUE NOTES (CONTINUED)				
H7244 - LISTS 18,19,20,21,22,T,U,V,W,X,Y,Z ADDED; LISTS 1A,2A,3,4,5B,6,8,9B,10A,11A,12,16,17,F,G,H,J MODIFIED; SL ITEMS 1002,1012,1040,1045,1140,1470,1475,1480,1490,1495,1500,1510 ADDED; NOTES 19,20,68,69,70 ADDED; NOTES 13,53,56,60,66 MODIFIED.				
ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-484 CHANGE CLASS: B				
DRAFT: TMR	ENGR: MGS	SUPV: FNG	CERTIFIED: 11/03/94	ISSUE: 18
H7303 - LISTS 24,AC,AD ADDED; LISTS 1,1A,2,2A,7B,9B,18,19,Q,R MODIFIED; SL ITEMS 1520,1540,1545 ADDED; NOTE 71 ADDED; NOTES 18,62,69 MODIFIED; TABLE AA MODIFIED				
ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-509 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 12/06/94	ISSUE: 19
H7324 - LISTS 500-522, B1-B6, F1-F4, AND G1 ADDED; NOTES 151 AND 152 ADDED; SL ITEMS 5000-5320 ADDED; NOTE 20 MODIFIED.				
ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-518 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 01/10/95	ISSUE: 20
CN44556 - CLEI E5PQANZA ADDED TO SL ITEMS 1282 AND 5190; CLEI E5PQALFA MADE FUNCTIONAL EQUIVALENT				
ORIG ISS: 10/28/92 NDD NBR: CN44556 CHANGE CLASS: AC				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 01/24/95	ISSUE: 21
H7452 - LISTS 5C,25,504A,523,AF,AG,AH,AJ ADDED; LISTS 5B,7C,9B,17,24,504 MODIFIED; NOTE 72 ADDED; NOTE 62 MODIFIED; SL ITEMS 1283,1570,1580,1585,1590,1595,5192,5330 ADDED.				
ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-587 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 05/12/95	ISSUE: 22
GPI DATE 3 REVISIONS ADDED INCLUDING ENGR NOTES AND REFS AND MISC TABLES D1-D10. RESOLUTION TO POINT ISSUE/CHANGE TAG 221.0 & 222.0 INCLUDED.				
ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-594 CHANGE CLASS: ME				
DRAFT: WAM	ENGR: MGS	SUPV: FNG	CERTIFIED: 07/06/95	ISSUE: 23
CN54516 - LISTS 7D AND 506A ADDED; LISTS 7C AND 506 RATED DA; LISTS 17,21,22,AA,AB MODIFIED; NTS 65,70,72,155,156,162 MODIFIED; SL ITEMS 1305,5211 ADDED; MISC TABLES D4,D5,D10 MODIFIED.				
ORIG ISS: 10/28/92 CHANGE CLASS: AU				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 08/02/95	ISSUE: 24

ISSUE NOTES (CONTINUED)				
CN34502.1. NEW CLEI APPEARS IN SL ITEM 1281.				
ORIG ISS: 10/28/92 CHANGE CLASS: AC				
DRAFT: MLG	ENGR: MLG	SUPV: PK	CERTIFIED: 10/13/93	ISSUE: 11
CN324561. LIST 9A WAS STANDARD, ADDED LIST 9B AND SL ITEM 1312. NOTES 18,60,61 & 62 MODIFIED. ISSUE NOTE 9 SHOULD READ CLASS OF CHANGE AU INSTEAD OF B.				
ORIG ISS: 10/28/92 CHANGE CLASS: AU				
DRAFT: MLG	ENGR: MLG	SUPV: PK	CERTIFIED: 10/28/93	ISSUE: 12
CN44507 - LIST 5A RATING WAS "STANDARD", LIST 5B ADDED, SL ITEM 1282 ADDED.				
ORIG ISS: 10/28/92 CHANGE CLASS: AU				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 03/22/94	ISSUE: 13
H7194 - NOTES 65,66 & 67 ADDED; LISTS 1 & 2 RATING WAS "STANDARD" LISTS 14 & 15 MODIFIED; LISTS 1A,2A,16,17 & S ADDED; NOTES 14,15,17,18,59,60 & 61 MODIFIED; TABLE AA UPDATED.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 05/16/94	ISSUE: 14
CN 44516 - CLEI "E5PQALYA" ADDED TO STOCKLIST ITEM 1312.				
ORIG ISS: 10/28/92 CHANGE CLASS: AC				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 06/07/94	ISSUE: 15
H7085 - REF TO SHOP ADDED TO NOTE 17; SL ITEM 1260,1270,1280,1281,1290,1300,1310,1330 & 1340 "EQPT POS" MODIFIED.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: MGS	ENGR: MGS	SUPV: FNG	CERTIFIED: 06/14/94	ISSUE: 16
H7302 - LISTS 7C, AA, AB, SL ITEMS 1304, 1530 & 1535 ADDED; LIST 7B RATING WAS "STANDARD"; NOTE 67 MODIFIED.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: TMR	ENGR: MGS	SUPV: FNG	CERTIFIED: 08/01/94	ISSUE: 17

ISSUE NOTES				
ORIG ISS: 10/28/92 CHANGE CLASS:				
DRAFT: JJR	ENGR: JJR	SUPV: PK	CERTIFIED: 10/28/92	ISSUE: 1
CHG TAG H6960=LISTS K,L & M READ STD, LISTS N,P,Q & R ADDED.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 11/06/92	ISSUE: 2
CHG TAG 34502=LIST 5 READ STD, LIST 5A ADDED.				
ORIG ISS: 10/28/92 CHANGE CLASS: AU				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 05/03/93	ISSUE: 3
CHG TAG 34515=LIST 7 READ STD, LIST 7A ADDED. CHG TAG PT4=LIST F & G REVISED.				
ORIG ISS: 10/28/92 CHANGE CLASS: AU				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 06/04/93	ISSUE: 4
CHG TAG H7048=ENGR NOTE 61 EXPANDED.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 06/04/93	ISSUE: 5
CHG TAG PT6=FE CLEI CODE ADDED TO SL ITEM 1320.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 06/29/93	ISSUE: 6
CHG TAG CN34531=LIST 9 READ STD, LIST 9A ADDED.				
ORIG ISS: 10/28/92 CHANGE CLASS: AU				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 08/05/93	ISSUE: 7
CHG TAG H6956=LIST 11 READ STD, LIST 11A ADDED.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 08/05/93	ISSUE: 8
CHG TAG CN34538=LIST 10 READ STD, LIST 10A ADDED.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: JJR	ENGR: JJR	SUPV:	CERTIFIED: 08/09/93	ISSUE: 9
CHG TAG CN34557. LIST 7B ADDED IN TABLE A, LIST 7A RERATED TO DA. SL ITEM 1303 ADDED. CHG TAG PT51=CHANGED TABLE AA TO READ 158E FROM 158C. GRAPHIC FIG.1 CHANGED. REVISED ENGINEERING NOTE 61 AND MANUFACTURING NOTE 18. ADDED POS NUMBER TO ST 1090. ADDED NOTE 17 TO ST 1250. PRODUCT ID FOR SL ITEM 1301 READ 106998412 INCORRECTLY.				
ORIG ISS: 10/28/92 CHANGE CLASS: B				
DRAFT: MLG	ENGR: MLG	SUPV: PK	CERTIFIED: 09/29/93	ISSUE: 10

SHEET INDEX									
SHT NBR	A1 THRU A14 ISSUE 66								
ISSUE									
SHT NBR	D1 THRU D6 ISSUE 66								
ISSUE									
SHT NBR	B1								
ISSUE	35								
SHT NBR									
ISSUE									
SHT NBR									
ISSUE									
SHT NBR									
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ISSUE									

TABLE OF CONTENTS	
DESCRIPTION	SHT
SHEET INDEX	A1
ISSUE NOTES	A1
ENGINEERING-NOTES	A5
TABLE A	A6
B SECTION GRAPHICS	B1
MANUFACTURING NOTES	D1
STOCKLIST	D2
MISCELLANEOUS TABLES	D5

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		BT13	
		5ESS SWITCHING EQUIPMENT SPECIFICATION FOR SWITCHING MODULE PROCESSOR UNIT MODEL 4	
DWG SIZE	C2	ISSUE	66
LUCENT TECHNOLOGIES INC		J5D003NA-1	SHEET A1 OF 21

ISSUE NOTES (CONTINUED)				
<p>ISSUE 038 OF THIS DRAWING INTRODUCES INTERFACE SUPPORT BETWEEN THE SMPU4 AND THE EXTENDED CONTROL DATA UNIT (XCDU), J5D003NF-1. ENGINEERING NOTES 58 AND 166 WERE ADDED. ENGINEERING NOTE 60 WAS MODIFIED. TABLE A LIST ITEMS 27, 28, AT, AU, 525, AND 526 WERE ADDED. MISCELLANEOUS TABLE 5 WAS MODIFIED. STOCKLIST ITEMS 1800, 1900, 2000, 2010, 5350, AND 5360 WERE ADDED.</p> <p>THE ISSUE NOTE ASSOCIATED WITH ISSUE 037 OF THIS DRAWING CONTAINS A TYPOGRAPHICAL ERROR, IN THAT IT REFERS TO A LIST 4B BEING RERATED DA AND REPLACED WITH A LIST 4A. IT SHOULD IN-FACT STATE THAT LIST 4 IS RERATED DA, BEING REPLACED BY LIST 4A.</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-765 CHANGE CLASS: B</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 04/24/97 ISSUE: 38</p>				
<p>ISSUE 039 OF THIS DRAWING BRINGS IN CN74523NW WHICH IS A CLASS AU CHANGE AFFECTING LIST 26 & 524 WHICH ARE RERATED 'DA'. LIST 26A AND 524A ARE ADDED AS THE REPLACEMENTS. ENGINEERING NOTES 62, 72, 155, AND 159 ARE MODIFIED. STOCKLIST LINE ITEMS 1631 AND 5341 ARE ADDED TO SUPPORT LIST 26A AND 524A RESPECTIVELY.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74523NW CHANGE CLASS: AU</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 04/25/97 ISSUE: 39</p>				
<p>THIS DRAWING IS BEING UPGRADED TO ISSUE 040 TO MODIFY THE TABLE A DESIGNATION STRIP DESCRIPTIONS FOR LISTS 'AR' AND 'AS' THAT WERE IMPACTED BY CN74523NW, AND WERE INADVERTENTLY LEFT OUT OF ISSUE 039.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74523NW CHANGE CLASS: AU</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 04/30/97 ISSUE: 40</p>				
<p>ISSUE 041 OF THIS DRAWING INCORPORATES THE CHANGE DEFINED IN CN74528NW. THE EQUIPMENT TO SUPPORT MEMORY GROWTH/RETROFIT OF THE SM2000/SMPU4 (J5D003NA) IS ADDED TO THE DRAWING. ENGINEERING NOTE 62 IS MODIFIED; ENGINEERING NOTE 73 IS ADDED; TABLE A LISTS 29 & 30 ARE ADDED; STOCKLIST LINE ITEMS 2020 & 2030 ARE ADDED; MANUFACTURING NOTE 24 IS ADDED. TABLE A LISTS 1A, 2A, 18, & 19 ARE MODIFIED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74528NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 06/11/97 ISSUE: 41</p>				
<p>THIS NDD IMPLEMENTS CHEETAH ORDER ITEM REDUCTION PHASE I WITH THE FOLLOWING DRAWING CHANGES: ENGINEERING NOTES 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, AND 166 ARE DELETED. TABLE A FEATURES FOR LISTS 500, 501, 502, 503A, 504A, 505A, 506A, 507, 508, 509, 510B, 511, 512, 513, 514B, 515, 516, 517, 518, 519, 520, 521, 522, 523A, 524A, 525, 526, B1, B2, B3, B4, B5, AND B6 ARE RERATED "DA". TABLE A FEATURES FOR LISTS 503, 504, 505, 506, 510, 510A, 514, 514A, 523, AND 524 ARE MODIFIED. MISCELLANEOUS TABLE RECORD 20 (D4 TABLE), RECORD 30 (D5 TABLE), RECORD 40 (D6 TABLE), RECORD 50 (D7 TABLE), RECORD 60 (D8 TABLE), AND RECORD 70 (D10 TABLE) ARE DELETED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-832 CHANGE CLASS: ME</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 09/12/97 ISSUE: 42</p>				
<p>THIS DRAWING IS BEING ADVANCED TO ISSUE 043 AT THE REQUEST OF THE OC MANUFACTURING PLANNING ORGANIZATION. TABLE A DESCRIPTIONS FOR LISTS F1, F2, F3, F4, AND G1 WERE MODIFIED IN ISSUE 042 AND WERE NOT INCLUDED IN THE ISSUE NOTE. THAT DISCREPENCY IS BEING REMEDIATED WITH THIS ISSUE UPDATE. A SUPPLEMENT TO THE NDD IS ALSO BEING ISSUED TO INTRODUCE THIS NEW ISSUE.</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-832 CHANGE CLASS: ME</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 10/07/97 ISSUE: 43</p>				

ISSUE NOTES (CONTINUED)				
<p>H7851 - LISTS K1,K2,K3,K4,K5 ADDED; LISTS 1A,2A,3,4,5C,6,7D,8,9B,10A,11A,12A,13,14,15,16,17B,18,19,20,21,22,23,24,25A,500,501,502,503,504A,505,506A,507,508,509,510A,511,512,513,514B,515,516,517,518,519,520,521,522,523A,F,G,V,W,AE MODIFIED; NOTES 22,55,66,68,69,70,152,153,160,162,165 MODIFIED; SL ITEMS 1351,1361,1371,1650,1655,1660,1665,1670,1680,1690,1695,1700,1705 ADDED; SL ITEMS 1350,1360,1370 MODIFIED.</p> <p>H7851S1 - LISTS 10A,20 MODIFIED; NOTES 55,68 MODIFIED.</p> <p>H7851S2 - LISTS 10A,20,N,P MODIFIED; NOTES 55,68,160 MODIFIED.</p> <p>UN593 - LISTS 26,524,AR,AS ADDED; SL ITEMS 1630,1640,1650,5340 ADDED; NOTES 62,72,155,159 MODIFIED.</p> <p>UN593S1 - LISTS 26,524 MODIFIED; NOTES 72,155 MODIFIED.</p> <p>UN593S2 - LISTS 26,524 MODIFIED; NOTES 72,155 MODIFIED.</p> <p>CN64531 - LISTS AN,AP MODIFIED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-751 CHANGE CLASS: B</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 11/22/96 ISSUE: 33</p>				
<p>THIS DRAWING IS BEING ADVANCED TO ISSUE 034 TO IMPLEMENT CN74515NW INTO THE MANUFACTURING ENVIRONMENT.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74515NW CHANGE CLASS: A</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 03/06/97 ISSUE: 34</p>				
<p>CHANGE CLASS B NDD5D003NW-799, H8006-CHANGE TAG UN539B BRINGS IN THE UN539B APPLICATION PROCESSOR CONTROL CIRCUIT PACK. ENGINEERING NOTE 154 IS MODIFIED; LIST 6A (505A) IS ADDED; STOCKLIST ITEM 1292 (5202) IS ADDED; TABLES D4, D5, & D10 ARE UPDATED.</p> <p>CHANGE CLASS ME NDD5D003NW-807, H8053-CHANGE TAG UN593 REMOVES THE COUNTRY RESTRICTION APPLIED TO LIST 26 (524).</p> <p>CHANGE CLASS ME CHANGE TAG LULOGO BRINGS IN THE LUCENT TECHNOLOGIES NAME ON GRAPHICS SHEET B1.</p> <p>CHANGE CLASS AC CHANGE TAG CN74517 BRINGS CN54517NW INTO THE MANUFACTURING ENVIRONMENT. THE NEW CLEI CODE, E5PQAVFA, FOR UN560 IS REFERENCED IN THE STOCKLIST DESCRIPTION FOR LINE 1571 (5331).</p> <p>ORIG ISS: 10/28/92 NDD NBR: SEE BELOW CHANGE CLASS: NOTE</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 03/18/97 ISSUE: 35</p>				
<p>ISSUE 036 OF THIS DRAWING BRINGS IN THE CLASS AC CHANGE WHICH IMPACTS THE UN560 UPGRADE TO SERIES 7. STOCKLIST ITEMS 1571 AND 5331 DESCRIPTION REFLECTS SERIES 7 CLEI E5PQAVFA.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74517NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 04/04/97 ISSUE: 36</p>				
<p>ISSUE 037 OF THIS DRAWING BRINGS IN THE NEW SN516C CONTROL AND DISPLAY CIRCUIT PACK AS LIST 4A, REPLACING LIST 4B WHICH IS RERATED 'DA'. ENGINEERING NOTE 154 IS UPDATED TO REFLECT SHELF EQUIPPAGE WITH LIST 4A. STOCKLIST ITEM 1275 IS ADDED IN SUPPORT OF LIST 4A.</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-727 CHANGE CLASS: B</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 04/10/97 ISSUE: 37</p>				

ISSUE NOTES (CONTINUED)				
<p>CN54517 - LIST AK ADDED; SL ITEM 1600 ADDED.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AU</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 08/02/95 ISSUE: 25</p>				
<p>CN54521 - LISTS 17A AND 514A ADDED WITH SL ITEMS 1461 AND 5261 FOR NEW VERSION OF UN395; NOTES 60,65,156 AND TABLES AA,D4,D5, D10 MODIFIED; LISTS T AND U MODIFIED; LISTS 17 AND 514 RATED DA</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AU</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 08/24/95 ISSUE: 26</p>				
<p>CN54546 - LISTS 25,523 RERATED DA; LISTS 25A,523A ADDED; LIST 5C, AF,AG MODIFIED; NOTES 62,72,155,159 MODIFIED; SL ITEMS 1571,5331 ADDED; TABLES D4,D5,D10 MODIFIED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN54546 CHANGE CLASS: AU</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 12/21/95 ISSUE: 27</p>				
<p>CN64501 - CLEI CODE ADDED TO SL ITEMS 1290 AND 5200</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AC</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 03/04/96 ISSUE: 28</p>				
<p>H7662 - LISTS 12,17A,510,514 RERATED DA; LISTS 12A,17B,510A,514B, AL,AM,AN,AP ADDED; LISTS T,U MODIFIED; NOTES 60,63,65,156,157 MODIFIED; SL ITEMS 1331,1463,1610,1615,1620,1625,5252,5263 ADDED; TABLE AA MODIFIED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-676 CHANGE CLASS: B</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 05/03/96 ISSUE: 29</p>				
<p>CN64512/64516 - CLEI CODES ADDED TO SL ITEMS 1282,1283,5190,5192</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AC</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 06/19/96 ISSUE: 30</p>				
<p>CN64519 - STOCKLIST ITEMS 1290,1321,5200,5230 MODIFIED WITH NEW CLEI CODES</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AC</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 07/01/96 ISSUE: 31</p>				
<p>CN64531 - CLASS AU CHANGE ON UN71C PACK; LISTS 12A,510A RERATED DA; LISTS 12B,510B ADDED; SL ITEMS 1333,5254 ADDED; NOTES 63,157 MODIFIED.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AU</p> <p>DRAFT: MGS ENGR: MGS SUPV: FNG CERTIFIED: 10/11/96 ISSUE: 32</p>				

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1 SHEET A2 OF 21

ISSUE NOTES (CONTINUED)	ISSUE NOTES (CONTINUED)	ISSUE NOTES (CONTINUED)	ISSUE NOTES (CONTINUED)
<p>CHANGE TAG H8366 DRAWING MODIFICATION IS TWOFOLD. TO MEET THE "5ESS(R) SWITCH J-DRAWING REQUIREMENTS FOR THE SUPPORT OF CHEETAH INITIATIVES - ISSUE 4.6" AND "ORDERING DRAWING REQUIREMENTS FOR THE ELIMINATION OF NUMERIC POINT ITEMS FOR 5ESS(R) SWITCH "B" SPECIFICATIONS".</p> <p>ENGINEERING NOTE 51 IS MODIFIED TO REMOVE REFERENCE TO AT&T AND REPLACE IT WITH LUCENT. ENGINEERING NOTE 53 IS MODIFIED TO REMOVE REFERENCE TO FASKIT LISTS F, G, V, AND W AND REPLACE THEM WITH LISTS F1, F2, F3, AND F4 THE NEW STANDARDIZATION FOR FASKITS ENGINEERING NOTES 55, 58, AND 62 WERE MODIFIED TO REFERENCE TO THE "B" LISTS AND REPLACE THEM WITH THE ACTUAL APPARATUS BLANK NOMENCLATURE. ENGINEERING NOTES 75, 499, AND 500 ARE ADDED PER THE REQUIREMENTS DOCUMENTATION. TABLE A DESCRIPTIONS FOR LISTS 1A, 2A, 18, & 19 ARE MODIFIED TO REFERENCE NOTE 75. TABLE A DESCRIPTIONS FOR LISTS 7D, 9B, 10A, 20, 24, 25A, 26A, 27, & 31A ARE MODIFIED TO REFERENCE NOTES 75 AND 500. TABLE A DESCRIPTIONS FOR LISTS 3A, 4A, 5C, 6B, 8, 12B, 13, 14, 15, 16, 17B, 21A, 22, 23, 28, 29, 30, AE, K1, K2, K3, K4, & K5 ARE MODIFIED TO REFERENCE NOTE 500. LISTS A, B, C, D, E, & S ARE RERATED DA, AND REPLACED BY LIST F5 THE APPARATUS BLANK KIT. FASKIT LISTS F, G, V, & W ARE RERATED DA AND REPLACED BY FASKIT LISTS F1, F2, F3, & F4. LISTS H, J, N, P, Q, R, X, Y, Z, AA, AB, AC, AD, AF, AG, AH, AJ, AL, AM, AN, AP, AR, AS, AT, AU, AV, & AW ARE RERATED DA AND REPLACED BY STAMPING INFORMATION IN THE D9 TABLE. REMOVED LA RATING FROM LISTS F1, F2, F3, & F4 AND ADD REPLACEMENT INFORMATION TO TABLE A DESCRIPTION. REMOVED LA RATING FROM LIST G1. ADDED LISTS D20, D21, AND D22 TO SUPPORT LABELING DATA IN THE D9 TABLE. MANUFACTURING NOTE 15 IS MODIFIED TO REMOVE REFERENCE TO LIST E. MANUFACTURING NOTES 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, & 36 ARE ADDED TO SUPPORT DESIGNATION STRIP STAMPING REQUIREMENTS OUTLINED IN THE D9 TABLE. STOCKLIST LINE ITEM 1093 IS ADDED TO SUPPORT THE ADDITION OF LIST F5. MISCELLANEOUS TABLE AA (RECORD 5) IS MODIFIED TO REMOVE ALL REFERENCES TO LIST E. MISCELLANEOUS TABLE D9 IS ADDED TO SUPPORT DESIGNATION STRIP STAMPING REQUIREMENTS. MISCELLANEOUS TABLE APP BLNK EQUIP IS ADDED TO SUPPORT APPARATUS BLANK EQUIPPAGE.</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-917 CHANGE CLASS: ME</p>	<p>NDD5D003NW-886-CHANGE TAG H8272 ADDS DRAWING SUPPORT FOR THE UN594 APPARATUS, A 60MHZ CORE60MM WITH 64MB ON-BOARD MEMORY, FOR USE WITH 5E12/5E10 AND LATER SOFTWARE GENERICS. ENGINEERING NOTES 62 & 72 ARE MODIFIED; TABLE A DESCRIPTION FOR LIST 5C IS MODIFIED; TABLE A DESCRIPTIONS FOR LISTS 31, AV & AW ARE ADDED; STOCKLIST LINE ITEMS 2040, 2050, AND 2060 ARE ADDED.</p> <p>NDD5D003NW-898-CHANGE TAG H8312 MODIFIES THE DRAWING TO DENOTE DISCONTINUED AVAILABILITY (DA) OF LIST 11A, MC5D095A1B (TN1042B), THE P1 APPARATUS, AND ITS REPLACEMENT BY LIST 17B, UN395B, THE P1/P12 APPARATUS. LISTS T AND U ARE RERATED DA, WITH LISTS AL AND AM AS THE REPLACEMENTS.</p> <p>NDD5D003NW-902-CHANGE TAG H8324 MODIFIES THE DRAWING TO IMPLEMENT OC STANDARDS ENGINEERING POINT CHANGE 47.1. STOCKLIST LINE ITEMS 2020 AND 2030 ILLUSTRATE THE '*' SYMBOL. THIS SYMBOL IS NOT REQUIRED SINCE THE ITEMS REFERENCED IN THE STOCKLIST ARE ALWAYS EQUIPPED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: SEE ABOVE CHANGE CLASS: B/ME</p>	<p>NDD5D003NW-853: CHANGE TAG H8180 UPGRADES THE DRAWING TO PROVIDE HARDWARE SUPPORT FOR THE "REAL TIME CALL DETAIL" FEATURE: ENGINEERING NOTE 68 IS MODIFIED. TABLE A FEATURES FOR LISTS 15 AND 20 ARE MODIFIED. TABLE A FEATURE FOR LIST 21 IS RERATED DA. TABLE A FEATURE FOR LIST 21A IS MODIFIED. MANUFACTURING NOTE 20 IS MODIFIED. STOCKLIST ITEM 1480 IS MODIFIED. STOCKLIST ITEM 1501 IS MODIFIED.</p> <p>NDD5D020NW-133: CHANGE TAG H8270 UPGRADES THE DRAWING TO PROVIDE HARDWARE SUPPORT FOR THE NEW 410AA2 POWER CONVERTER: ENGINEERING NOTE 74 IS MODIFIED. TABLE A FEATURE FOR LIST 3 IS RERATED DA. TABLE A FEATURE FOR LIST 3A IS ADDED. STOCKLIST ITEM 1261 IS ADDED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: SEE ABOVE CHANGE CLASS: B/B</p>	<p>THIS DRAWING IS ADVANCED TO ISSUE 044 BY CN74539NW. A CLASS AC CHANGE HAS BEEN APPLIED TO LIST 22, 982YN, TO ADVANCE IT TO SERIES 4, AND ALLOW ITS COMPATIBILITY WITH UN539B IN VCDX-2000 APPLICATIONS.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74539NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 10/14/97 ISSUE: 44</p> <p>THIS DRAWING IS ADVANCED TO ISSUE 045 BY CN74546NW. A CLASS AU CHANGE IS APPLIED AGAINST LIST 6A TO RERATE IT AS DA'D. LIST 6B IS ADDED AS THE REPLACEMENT. STOCKLIST LINE ITEM 1293 IS ADDED TO SUPPORT LIST 6B.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74546NW CHANGE CLASS: AU</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 11/03/97 ISSUE: 45</p>
<p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 12/30/98 ISSUE: 53</p>	<p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 03/23/98 ISSUE: 49</p>	<p>CHANGE TAG CN84508NW BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 27, AND ON STOCKLIST LINE 1631. A COMPONENT CHANGE ON THE UN593 CIRCUIT PACK UPGRADES IT TO A SERIES 5, IDENTIFIED BY CLEI E5DTMEFD.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN84508NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 04/22/98 ISSUE: 50</p>	<p>NDD5D003NW-853: CHANGE TAG H8180 UPGRADES THE DRAWING TO PROVIDE HARDWARE SUPPORT FOR THE "REAL TIME CALL DETAIL" FEATURE: ENGINEERING NOTE 68 IS MODIFIED. TABLE A FEATURES FOR LISTS 15 AND 20 ARE MODIFIED. TABLE A FEATURE FOR LIST 21 IS RERATED DA. TABLE A FEATURE FOR LIST 21A IS MODIFIED. MANUFACTURING NOTE 20 IS MODIFIED. STOCKLIST ITEM 1480 IS MODIFIED. STOCKLIST ITEM 1501 IS MODIFIED.</p> <p>NDD5D020NW-133: CHANGE TAG H8270 UPGRADES THE DRAWING TO PROVIDE HARDWARE SUPPORT FOR THE NEW 410AA2 POWER CONVERTER: ENGINEERING NOTE 74 IS MODIFIED. TABLE A FEATURE FOR LIST 3 IS RERATED DA. TABLE A FEATURE FOR LIST 3A IS ADDED. STOCKLIST ITEM 1261 IS ADDED.</p> <p>ORIG ISS: 10/28/92 NDD NBR: SEE ABOVE CHANGE CLASS: B/B</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 12/08/97 ISSUE: 46</p>
<p>NDD5D003NW-923 - CHANGE TAG H8376 UPGRADES THE DRAWING TO INCLUDE FEATURE 99-5E-3487 "5ESS(R) SWITCH LONG DISTANCE PLATFORM SUPPORT FOR PER CALL CONTROL OF BROADBAND ECHO CANCELLERS". ENGINEERING NOTES 55 AND 68, TABLE A DESCRIPTIONS FOR LISTS 20 AND 21A, AND MANUFACTURING NOTE 20 ARE MODIFIED TO REFLECT THEIR APPLICATION TO THE "PER CALL CONTROL OF BROADBAND ECHO CANCELLERS" FEATURE.</p> <p>NDD5D003NW-925 - CHANGE TAG H8378 MODIFIES THE DRAWING TO REFLECT THE "DISCONTINUED AVAILABILITY (DA)" OF THE UN560 AND UN593 CORE PROCESSOR APPARATUS. ENGINEERING NOTE 72 IS MODIFIED TO REFLECT THE REQUIREMENTS NECESSARY TO EQUIP THE UN594 IN PLACE OF THE UN560 OR UN593. LIST 25A AND LIST 26A ARE RERATED "DA" WITH LIST 31A AS THE FUNCTIONAL EQUIVALENT.</p> <p>ORIG ISS: 10/28/92 NDD NBR: SEE ABOVE CHANGE CLASS: B/ME</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 01/13/99 ISSUE: 54</p>	<p>CHANGE TAG CN84515NW BRINGS IN A CLASS AU CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 31 AND ON STOCKLIST LINE 2040. FIRMWARE MODIFICATIONS TO LIST 31 APPARATUS WERE REQUIRED TO ALLOW FUNCTIONALITY WITH GENERIC 5E11. LIST 31 IS RERATED "DA" AND REPLACED WITH LIST 31A. STOCKLIST LINE 2041 IS ADDED TO SUPPORT THE NEW LIST 31A APPARATUS. TABLE A DESCRIPTIONS FOR LIST AV AND AW ARE MODIFIED TO SUPPORT LIST 31A. ENGINEERING NOTES 62 AND 72 ARE MODIFIED TO REFLECT LIST 31A.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN84515NW CHANGE CLASS: AU</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 07/20/98 ISSUE: 51</p> <p>CHANGE TAG CN84526NW BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 12B, AND ON STOCKLIST LINE 1333. USE OF AN INCORRECT INTEGRATED CIRCUIT IN APPARATUS MANUFACTURED IN TAIWAN AND SPAIN RESULTED IN DIAGNOSTIC FAILURES. PROBLEM HAS BEEN RESOLVED; APPARATUS IS UPGRADED TO A SERIES 5 AND IS IDENTIFIED BY CLEI ESPQAYLA.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN84526NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 11/03/98 ISSUE: 52</p>	<p>THIS DRAWING IS BEING ADVANCED TO ISSUE 047 TO BRING CN74551NW INTO THE MANUFACTURING ENVIRONMENT. A CLASS AC CHANGE HAS BEEN APPLIED TO UN560 CIRCUIT PACK (LIST 25A) ADVANCING IT TO SERIES 8 STOCKLIST LINE ITEM 1571 IS MODIFIED TO UPDATE THE CLEI DATA.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74551NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 12/12/97 ISSUE: 47</p> <p>CHANGE TAG CN84504NW BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 27, AND ON STOCKLIST LINE 1800. COMPONENT VALUE CHANGES ON THE UN555 CIRCUIT PACK UPGRADE IT TO A SERIES 4, IDENTIFIED BY CLEI E5PQAXDA.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN84504NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 03/05/98 ISSUE: 48</p>	<p>THIS DRAWING IS BEING ADVANCED TO ISSUE 047 TO BRING CN74551NW INTO THE MANUFACTURING ENVIRONMENT. A CLASS AC CHANGE HAS BEEN APPLIED TO UN560 CIRCUIT PACK (LIST 25A) ADVANCING IT TO SERIES 8 STOCKLIST LINE ITEM 1571 IS MODIFIED TO UPDATE THE CLEI DATA.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN74551NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 12/12/97 ISSUE: 47</p> <p>CHANGE TAG CN84504NW BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 27, AND ON STOCKLIST LINE 1800. COMPONENT VALUE CHANGES ON THE UN555 CIRCUIT PACK UPGRADE IT TO A SERIES 4, IDENTIFIED BY CLEI E5PQAXDA.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN84504NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 03/05/98 ISSUE: 48</p>
<p>CHANGE TAG CN84534NW BRINGS IN A CLASS AC CHANGE THAT MODIFIES THE DRAWING TO BETTER DESCRIBE AND SUPPORT SM2K APPLICATIONS THAT REQUIRE MULTIPLE MESSAGE HANDLERS. ENGINEERING NOTE 55 IS ENHANCED TO BETTER DESCRIBE MULTIPLE MESSAGE HANDLER REQUIREMENTS THE LAST LINE OF THE NOTE REFERRING TO CN44556.1NW IS REPLACED WITH REFERENCE TO CN84534NW. THE TABLE A DESCRIPTION FOR LIST 6B IS MODIFIED WITH REFERENCE TO ENGINEERING NOTE 55. LIST 6B IS MANDATORY WITH ANY APPLICATION/FEATURE USING MULTIPLE MESSAGE HANDLERS. LABELING GRAPHICS ARE REQUIRED FOR USE WITH LIST 6B, THEREFORE REQUIRING THE ADDITION OF TABLE A DESCRIPTION FOR LIST D23. MISCELLANEOUS TABLE 15, "D9 TABLE" IS MODIFIED TO REFLECT USAGE OF LIST D23. MANUFACTURING NOTE 30 IS REWRITTEN TO SUPPORT DESIGNATION STRIP LABEL STAMPING REQUIREMENTS.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN84534NW CHANGE CLASS: AC</p> <p>DRAFT: FJS ENGR: FJS SUPV: FNG CERTIFIED: 03/25/99 ISSUE: 55</p>			

ISSUE NOTES (CONTINUED)					ISSUE NOTES (CONTINUED)					ISSUE NOTES (CONTINUED)				
<p>CHANGE TAG CNCA4514 BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 5C. THE KBN8B CIRCUIT PACK IS BEING UPDATED TO SERIES 7 (1:7) TO RESOLVE INTERMITTENT MATE ADDRESS PARITY ERRORS. STOCKLIST ITEM 1283 IS UPDATED TO SHOW NEW CLEI ESPQA3WA, WITH E5PQA02A AS THE FE.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AC</p>					<p>CHANGE TAG H09085 UPDATES DRAWING TO PROVIDE HARDWARE SUPPORT FOR OPTICAL EXTENDED CONTROL AND DATA UNIT (OXU). TABLE A LISTS 32, 33, AND 34; STOCKLIST ITEMS 1910, 1920, AND 1930; ENGINEERING NOTE 76; AND MANUFACTURING NOTES 37 AND 38 ADDED TO SUPPORT OXU. MANUFACTURING NOTE 36 COMPLETELY REWORDED TO INDICATE HEQL 088 IS NOW A MULTIPURPOSE POSITION; STOCKLIST ITEM 1800 DESCRIPTION MODIFIED TO SPECIFY EQUIPPAGE IS FOR XCDU. TABLE D9 MODIFIED TO ADD INFORMATION FOR DESIGNATION STRIP LABEL FOR UN599 CIRCUIT PACK.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: B</p>					<p>CHANGE TAG H8603 MODIFIES ENGINEERING NOTE 72 AND THE TABLE A DESCRIPTION FOR LIST 31A TO INDICATE THE GENERIC SOFTWARE UPDATES (SU'S) THAT APPLY TO LIST 31A (UN594) MIGRATION. THIS INFORMATION WAS NOT AVAILABLE WHEN LIST 25A AND 26A WERE RERATED "DA".</p> <p>ORIG ISS: 10/28/92 NDD NBR: NDD5D003NW-993 CHANGE CLASS: MF</p>				
DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 06/20/01	ISSUE: 66	DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 08/15/00	ISSUE: 61	DRAFT: FJS	ENGR: FJS	SUPV: FNG	CERTIFIED: 04/09/99	ISSUE: 56
<p>CHANGE TAG C04509 UPDATES DRAWING FOR CLASS AC CHANGE CN C04509NW. TABLE A LISTS 35 AND 36 ADDED FOR 982CAG AND 982CAH PADDLEBOARDS, RESPECTIVELY. STOCKLIST ITEMS 1940 AND 1950 ADDED, ENGINEERING NOTE 77 ADDED, AND MANUFACTURING NOTE 39 ADDED TO SUPPORT LISTS 35 AND 36. LIST 31A MODIFIED TO REFERENCE ENGINEERING NOTE 77. LISTS 35 AND 36 ARE REQUIRED WHEN THE SMPU4 IS EQUIPPED WITH UN594 CIRCUIT PACKS (LIST 31()).</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AC</p>					<p>CHANGE TAG H09197 UPDATES DRAWING TO RATE MOST LISTS AS DA. IN TABLE A, THE FOLLOWING LISTS RATED DA: 1A, 2A, 3A, 4A, 5C, 6B, 7D, 8, 9B, 10A, 12B, 13, 16, 17B, 18, 19, 20, 21A, 22, 23, 24, 29, 30, D21, F1, F2, F3, F4, F5, G1, K1, K2, K3, K4, K5, AND AE.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: ME</p>					<p>CHANGE TAG CN94523NW BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A LIST 5C, KBN8B, AND ON STOCKLIST LINE ITEM 1283. FIRMWARE CHANGES ON THE KBN8B CIRCUIT PACK UPGRADE IT TO A SERIES 6 WITH A CLEI OF E5PQA02A.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN94523NW CHANGE CLASS: AC</p>				
DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 12/01/00	ISSUE: 62	DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 02/23/01	ISSUE: 63	DRAFT: FJS	ENGR: FJS	SUPV: FNG	CERTIFIED: 09/16/99	ISSUE: 57
<p>CHANGE TAG H09221 UPDATES DRAWING TO INCLUDE OXU BACKPLANE PADDLEBOARDS, MODE ACTIVATION JUMPERS, OXU PORT EQUIPPAGE WHEN USED WITH DRM, AND CORRECT REFERENCES TO 30-CHANNEL T1 MODE TO 30-CHANNEL E1 MODE.</p> <p>ADDED TABLE A LIST 37 AND 38. ADDED STOCKLIST ITEM 1960. IN STOCKLIST ITEM 1900, ADDED LIST 37 AND REFERENCE TO MANUFACTURING NOTE 40. IN STOCKLIST ITEMS 1910, 1920, AND 1930, ADDED REFERENCE TO MANUFACTURING NOTE 17. IN ENGINEERING NOTE 61, CHANGED "30 CHANNEL T1" TO "30 CHANNEL E1".</p> <p>IN ENGINEERING NOTE 76, IN FIRST PARAGRAPH, ADDED REFERENCE TO LISTS 37 AND 38; IN FIRST SENTENCE OF LAST PARAGRAPH, ADDED REFERENCE TO DRM; ADDED ADDITIONAL PARAGRAPHS TO INCLUDE OXU BACKPLANE PADDLEBOARD AND 963E-2 CONNECTOR EQUIPPAGE INFORMATION. IN MANUFACTURING NOTE 18, CHANGED "30 CHANNEL T1" TO "30 CHANNEL E1". ADDED PARAGRAPHS TO MANUFACTURING NOTES 37 AND 38 TO INCLUDE OXU BACKPLANE PADDLEBOARD EQUIPPAGE INFORMATION. ADDED MANUFACTURING NOTE 40.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: ME</p>					<p>CHANGE TAG CN94527NW BRINGS IN A CLASS AU CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 25A AND STOCKLIST LINE 1571 AND TABLE A, LIST 26A AND STOCKLIST LINE 1631. A COMPONENT CHANGE ON THE UN560 (LIST 25A) UPGRADES IT TO LIST 25B. STOCKLIST ITEM 1572 IS ADDED TO SUPPORT LIST 25B. A COMPONENT CHANGE ON THE UN593 (LIST 26A) UPGRADES IT TO LIST 26B. STOCKLIST ITEM 1632 IS ADDED TO SUPPORT LIST 26B. BOTH LISTS 25B AND 26B ARE RATED AS DA, WITH THE FE BEING LIST 31A, UN594. ENG NOTES 62 AND 72, MFG NOTE 31, AND TABLE D9 REFERENCES TO LISTS 25A & 26A WERE MODIFIED TO LISTS 25B & 26B RESPECTIVELY. UN560 IS UPGRADED TO SERIES 10 AND UN593 TO SERIES 6. TABLE A LIST 31A UPDATED TO REFLECT BEING THE REPLACEMENT FOR LISTS 25A AND 26A.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN94527NW CHANGE CLASS: AU</p>					<p>CHANGE TAG CN94525NW BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 31A, AND ON STOCKLIST LINE 2041. A FIRMWARE CHANGE TO THE UN594 CIRCUIT PACK UPGRADES AM4, SERIES 6 TO SERIES 6A (IDENTIFIED BY CLEI E5DTNFKA) AND AM7, SERIES 7 TO SERIES 8 (IDENTIFIED BY CLEI E5DTNFFA).</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN94525NW CHANGE CLASS: AC</p>				
DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 03/12/01	ISSUE: 64	DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 10/11/99	ISSUE: 58	DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 10/19/99	ISSUE: 59
<p>CHANGE TAG CNCA4508 UPDATES DRAWING FOR CLASS AU CHANGE. IN TABLE A ADDED LIST 26C. MODIFIED LIST 26B TO ADD REFERENCE TO LIST 26C. MODIFIED LIST 31A DESCRIPTION TO ADD REFERENCE TO LIST 26C. STOCKLIST ITEM 1633 ADDED FOR LIST 26C. MODIFIED ENGINEERING NOTES 62 & 72 TO REFERENCE LIST 26C. MODIFIED MANUFACTURING NOTE 31 TO REFERENCE LIST 26C. IN TABLE D9 CHANGED REFERENCE TO LIST 26B TO READ LIST 26C.</p> <p>CHANGE TAG CNCA4513 BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A LIST 25B AND STOCKLIST ITEM 1572. A COMPONENT CHANGE ON THE UN560 CIRCUIT PACK UPGRADES IT TO SERIES 10:11, WITH A CLEI OF E5PQA3SA, WITH CLEI E5PQA1HA AS FE.</p> <p>DA EFFECTIVE DATE OF 2/23/2001 ADDED FOR THE FOLLOWING LISTS: 1A, 2A, 3A, 4A, 5C, 6B, 7D, 8, 9B, 10A, 12B, 13, 16, 17B, 18, 19, 20, 21A, 22, 23, 24, 29, 30, D21, F1-F5, G1, K1-K5, AE.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AU</p>					<p>CHANGE TAG CN04504 BRINGS IN A CLASS AC CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 31A, AND STOCKLIST LINE 2041. A CHANGE TO CPLD'S UPGRADES AM4, SERIES 6A TO SERIES 6B (IDENTIFIED BY CLEI E5DTNFJA) AND UPGRADES AM7, SERIES 8 TO SERIES 9 (IDENTIFIED BY CLEI E5DTNFKA). STOCKLIST LINE 2041 UPDATED WITH NEW CLEI'S.</p> <p>ORIG ISS: 10/28/92 CHANGE CLASS: AC</p>					<p>CHANGE TAG CN94527NW BRINGS IN A CLASS AU CHANGE AFFECTING THE APPARATUS DEFINED IN TABLE A, LIST 25A AND STOCKLIST LINE 1571 AND TABLE A, LIST 26A AND STOCKLIST LINE 1631. A COMPONENT CHANGE ON THE UN560 (LIST 25A) UPGRADES IT TO LIST 25B. STOCKLIST ITEM 1572 IS ADDED TO SUPPORT LIST 25B. A COMPONENT CHANGE ON THE UN593 (LIST 26A) UPGRADES IT TO LIST 26B. STOCKLIST ITEM 1632 IS ADDED TO SUPPORT LIST 26B. BOTH LISTS 25B AND 26B ARE RATED AS DA, WITH THE FE BEING LIST 31A, UN594. ENG NOTES 62 AND 72, MFG NOTE 31, AND TABLE D9 REFERENCES TO LISTS 25A & 26A WERE MODIFIED TO LISTS 25B & 26B RESPECTIVELY. UN560 IS UPGRADED TO SERIES 10 AND UN593 TO SERIES 6. TABLE A LIST 31A UPDATED TO REFLECT BEING THE REPLACEMENT FOR LISTS 25A AND 26A.</p> <p>ORIG ISS: 10/28/92 NDD NBR: CN94527NW CHANGE CLASS: AU</p>				
DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 06/11/01	ISSUE: 65	DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 05/26/00	ISSUE: 60	DRAFT: ESK	ENGR: ESK	SUPV: FNG	CERTIFIED: 05/26/00	ISSUE: 60

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

ENGINEERING NOTES

***** CONTINUED *****

- ENGINEERING NOTE 53 OF J98795B-1 LISTS FOUR LENGTHS OF UTP CABLE. TWO OF THESE CABLES ARE REQUIRED TO INTERCONNECT THE 5ESS(R) SM2000 ETHERNET INTERFACE (LIST 21A) TO THE ETHERNET HUB SUPPLIED AS PART OF J98795B-1 LIST 5. CABLE LENGTH IS A FUNCTION OF THE DISTANCE BETWEEN THE 5ESS(R) SWITCH AND THE ETHERNET HUB.
69. LISTS 1 & 2, AND 1A & 2A, AND 18 & 19, ARE MUTUALLY EXCLUSIVE. ONLY ONE PAIR IS TO BE SPECIFIED FOR EITHER STANDARD SM OR VCDX/EXM CONFIGURATIONS.
 70. VCDX/SM2000 CABLING IS ORDERED FROM CABLE KITS (LISTS K1-K5) WHICH PROVIDE ETHERNET AND RS232 LINKS. REMOTE CLOCK SOURCE CABLING FOR VCDX/SM2000 IS ORDERED FROM ED5D500-21. WORKSTATION AND MISCELLANEOUS HARDWARE IS IN ED5D764-30. ASU CABLING IS IN ED5D678-12. ADDITIONAL EQUIPMENT FOR VCDX/SM2000 IS IN CABINET DRAWING J5D003N-1.
 71. CONTROL PORT MULTI-CAST FEATURE SUPPORTED ON ALL VERSION BACKPLANES IF UNIT EQUIPPED WITH CI2 (UN71C) CIRCUIT PACKS AND RUNNING 5E9(2) OR 5EE8(1) OR LATER.
 - . LIST 5C IS ALWAYS REQUIRED TO BE EQUIPPED WITH LISTS 25B, 26C, OR 31A.
 - . LIST 26C IS A CUSTOM CIRCUIT PACK AND SOFTWARE CHANGES ARE REQUIRED VIA 5EE7.1, 5EE8.1, OR 5EE9.1 SOFTWARE UPDATE (SU) STREAMS TO SUPPORT THIS FEATURE IN THE INTERNATIONAL MARKETS ONLY.
 - . LIST 31A, UN594, IS THE FUNCTIONAL EQUIVALENT FOR LIST 25B, UN560 AND LIST 26C, UN593. IT IS CIRCUIT COMPATIBLE BUT "NOT" SOFTWARE TRANSPARENT IN FUNCTIONALITY. SOFTWARE UPDATES (SU'S) MUST BE IMPLEMENTED IN THE SM TO ACHIEVE OPERATIONAL FUNCTIONALITY. THE UN594 IS SU'D BACK TO GENERIC 5E11.1 IN THE NAR MARKET AND TO 5EE8.1 IN THE INTERNATIONAL MARKET (5EE9.1 IS NOT SUPPORTED). IT MUST ALSO BE NOTED THAT THE UN594 CANNOT UNDER ANY CIRCUMSTANCES BE MIXED IN FUNCTIONAL UNIT SHELVES OF THE SMPU4 WITH THE UN560/UN593.
 73. LIST 29 IS REQUIRED TO BE EQUIPPED ON ALL LIST 1A OR 18.
 - . LIST 30 IS REQUIRED TO BE EQUIPPED ON ALL LIST 2A OR 19.
 74. THE 410AA POWER CONVERTER IS BEING DISCONTINUED BY DALLAS MICROELECTRONICS. THE FUNCTIONAL EQUIVALENT IS THE 410AA2 WITH IMPROVED LIGHTNING PROTECTION AND IS BEING INTRODUCED IN THIS DRAWING AS LIST 3A. LIST 3A SHOULD BE SPECIFIED AND EQUIPPED FOR ALL REPLACEMENTS AND NEW ORDERS.
 75. DESIGNATION STRIP LABELING WILL BE PREPRINTED TO CORRESPOND TO THE SMPU4 ORDERING INFORMATION.
 - . LOOSE LABELS CAN BE ORDERED THROUGH THE CONTROLLING ED DRAWING ONLY (ED5D075-11). REFERENCE TABLE A, MISCELLANEOUS TABLE D9, AND MANUFACTURING NOTES IN THIS J-DRAWING TO DETERMINE THE APPROPRIATE ED GROUPS.
 - . ON ALL ORDERS, A HORIZONTAL EQL MUST BE SPECIFIED FOR EACH J-LIST THAT ORDERS A CIRCUIT PACK EQUIPPED IN A MULTI-PURPOSE CIRCUIT PACK POSITION AND FOR EACH D LIST.
 - . VERTICAL EQL NUMBER MUST BE SPECIFIED WHEN ORDERING NON-X OR CABINET MOUNTED UNITS. THIS INFORMATION IS INCLUDED ON THE DESIGNATION STRIP LABELS.
 - . EACH DESIGNATION STRIP LABEL HAS TWO COMPONENTS; STAMPING INFORMATION AND LABEL MATERIAL. TABLE D9 PROVIDES REFERENCE 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 APPROPRIATE FOR THE DESIRED FEATURE SET.
 76. LISTS 32, 33, 37 AND 38 ARE REQUIRED TO SUPPORT OXU (J5D003NH-1). LIST 34 IS OPTIONALLY REQUIRED FOR OXU.
 - . LIST 32, UN599 (APCO), IS EQUIPPED AT 04-088 OF EACH LIST 1A OR 18 AND LIST 2A OR 19 TO PROVIDE AN INTERFACE PORT BETWEEN THE SMPU4 AND THE OPTICAL EXTENDED CONTROL AND DATA UNIT (OXU). EACH SMPU4 CAN PHYSICALLY INTERFACE WITH A MAXIMUM OF EIGHT OXU SHELVES THAT ARE EQUIPPED A MAXIMUM OF 2000 FEET AWAY.
 - . WHEN EQUIPPING AN SMPU4 TO SUPPORT OXU, A PROCESSOR CORE 60 CIRCUIT PACK MUST BE EQUIPPED IN EACH SIDE 0 AND SIDE 1 AT

----- CONTINUED ON NEXT SHEET -----

ENGINEERING NOTES

***** CONTINUED *****

THE EQUIPMENT ORDER.

OPTION	EQL POS	ORIENTATION	PIN CONNECTED
AUTO POWER RECOVERY (ZB)	04-028-004	VERT	04-028-005
	04-028-104	VERT	04-028-105
	13-028-004	VERT	13-028-005
	13-028-104	VERT	13-028-105
30 CHANNEL E1 MODE (ZA)	04-023-018	HORIZ	04-022-018
	13-023-018	HORIZ	13-022-018

THE OPTION(S) REQUIRED, ALONG WITH THE APPROPRIATE PIN POSITIONS FOR THE CONNECTORS, MUST BE PROVIDED BY THE EQUIPMENT ENGINEER IN THE EQUIPMENT ORDER.

62. MEMORY CIRCUIT PACKS, LISTS 9, 9A, 9B, OR 24 CAN BE GROWN INTERCHANGEABLY PER SHELF IN EQUIPMENT POSITIONS 052 (FIRST) 060 (SECOND) AND 068 (LAST). 32MB AND 64MB MEMORY CIRCUIT PACKS CAN BE MIXED AS REQUIRED, AND CAN BE USED IN ADDITION TO LISTS 25B, 26C, OR 31A WHICH PROVIDE 64MB OF ON-BOARD MEMORY STANDARD. SMPU SHELVES 0 & 1 MUST BE EQUIPPED IDENTICALLY. FOR SOFTWARE GENERICS 5EE6(1), 5EE6(2), AND 5E9(2) A MAXIMUM OF 128MB OF MEMORY IS SUPPORTED. FOR SOFTWARE GENERICS 5EE7(1)/5E10(1) AND LATER 256MB OF MEMORY IS SUPPORTED.
 - . MEMORY GROWTH OF THE J5D003NA LIST 1, 1A, OR 18 AND LIST 2, 2A, OR 19, IN THE FIELD, IS SUPPORTED BY RETROFIT KITS DESCRIBED IN ED5D833-30.
63. CONTROL INTERFACE CIRCUIT PACKS (LIST 12 OR 12A OR 12B) ARE GROWN PER SHELF IN EQPMT POSITIONS 146 (FIRST), 154 (SECOND), AND 162 (LAST).
64. REFER TO TABLE AA FOR CIRCUIT PACK GROWTH SEQUENCE.
65. LISTS 11A AND 17 OR 17A OR 17B ARE MUTUALLY EXCLUSIVE. LIST 11A (PI) SUPPORTS 1 PSU AT 10MBPS PACKET BUS RATE. LIST 17 OR 17A (PI2) SUPPORTS UP TO TWO PSU2 AT 100MBPS PACKET BUS RATE. LIST 17B SUPPORTS UP TO TWO PSU/PSU2 COMPLEXES AT 10MBPS (PSU) OR 100 MBPS (PSU2) PACKET BUS RATE. TWO PSU2 PER PI2 PACK IS SUPPORTED IN SW RELEASE 5E11 AND LATER.
66. SMC2000 INTRACABINET CABLING IS ORDERED FROM ED5D734-40. GRP 5 APPLIES TO BOTH MH CIRCUIT PACK AND MHEIB CIRCUIT PACK EQUIPPED IN THE FIRST POSITION.
67. UNASSIGNED.
68. THE EQUIPMENT REFERENCED TO THIS NOTE IS USED IN EITHER THE VCDX-2000 FEATURE (5E9(2)/5EE7.1 AND LATER), THE REAL TIME CALL DETAIL FEATURE (5E12 AND LATER), OR THE PER CALL CONTROL OF BROADBAND ECHO CANCELLERS (5E13 AND LATER) FEATURE. LISTS 20 AND 21A ARE ALWAYS REQUIRED; THEY ARE, HOWEVER, PHYSICALLY EQUIPPED AT UNIQUE EQL'S FOR THEIR RESPECTIVE FEATURE. LIST 20 IS EQUIPPED AT 04-096 FOR VCDX-2000, AND 04-112 FOR REAL TIME CALL DETAIL AND PER CALL CONTROL OF BROADBAND ECHO CANCELLERS; THE LIST 21A IS EQUIPPED ON THE WIRE SIDE AT 04-096-100 FOR VCDX-2000, AND AT 04-112-100 FOR REAL TIME CALL DETAIL AND PER CALL CONTROL OF BROADBAND ECHO CANCELLERS.
 - . SMPU4 SHELF ASSEMBLIES, LIST 1A, 2A, 18, AND 19, SUPPORT THE REAL TIME CALL DETAIL AND THE PER CALL CONTROL OF ECHO CANCELLERS FEATURES IN THE 5ESS TOLL ENVIRONMENT.
 - . VCDX-2000 IS RESTRICTED TO USE IN LIST 18 AND 19 WHICH HAVE THE "ZF" WIRING OPTION IMPLEMENTED TO SUPPORT THE REQUIRED ASU INTERFACE.
 - . FOR VCDX-2000 CONFIGURATIONS, LIST 22, 23, AE, AND K1 ARE ALWAYS REQUIRED. LISTS K2, K3, K4, AND K5 ARE CABLE ASSEMBLIES THAT ARE APPLICATION SPECIFIC TO VCDX-2000 IN AN EMC OR NON-EMC CABINET AND SHOULD BE ORDERED AS REQUIRED.
 - . LIST 10A (UN538) AND LIST 20 (UN584) ARE MUTUALLY EXCLUSIVE AND FEATURE DEPENDENT FOR ALL MH APPARATUS EQL'S, MH0 (04-096), MH1 (04-104), AND MH2 (04-112).
 - . FOR REAL TIME CALL DETAIL OR PER CALL CONTROL OF ECHO CANCELLERS FEATURES LIST 15 IS ALWAYS REQUIRED. THIS LIST PROVIDES THE MESSAGE HANDLER UPDATE BUS CABLING BETWEEN SIDE 0 AND SIDE 1 FOR THE MH2 POSITION AT 04-112.
 - . ADDITIONAL CABLING AND EQUIPMENT IS REQUIRED TO SUPPORT THE REAL TIME CALL DETAIL INSTALLATION. REFER TO ED5D838-30 FOR THE DETAILED INTERCONNECTION DATA AND ORDERING INFORMATION FOR THE SUPPORTING HARDWARE AND APPLICATION SOFTWARE.
 - . ADDITIONAL CABLING AND EQUIPMENT IS REQUIRED TO SUPPORT THE PER CALL CONTROL OF BROADBAND ECHO CANCELLERS FEATURE INSTALLATION. REFER TO J98795B-1 FOR DETAILED INTERCONNECTION DATA.

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ENGINEERING NOTES

51. INFORMATION FURNISHED PER THIS DRAWING IS IN ACCORDANCE WITH LUCENT PRACTICES-NONE.
52. THIS DOCUMENT CONTAINS COMPLETE ENGINEERING INFORMATION FOR THE SUBJECT EQUIPMENT.
53. LISTS F1, F2, F3, AND F4 ARE MUTUALLY EXCLUSIVE. ONLY ONE MUST ALWAYS BE SPECIFIED.
54. UNASSIGNED.
55. STANDARD SM2000 CONFIGURATIONS REQUIRE A MINIMUM OF ONE LIST 10A (UN538) MESSAGE HANDLER CIRCUIT PACK EQUIPPED PER SHELF ASSEMBLY (SIDE 0 AND SIDE 1) AT 04-096. APPLICATIONS WHICH REQUIRE MULTIPLE MESSAGE HANDLERS SUCH AS DNU-S AND RAIU REQUIRE TWO LIST 10A EQUIPPED PER SHELF. THE SECOND MH IS EQUIPPED AT 04-104 FOR PROPER FUNCTIONALITY IN ANY MULTIPLE MESSAGE HANDLER APPLICATION IT IS A MANDATORY REQUIREMENT TO HAVE LIST 10A (UN538) AND LIST 6B (UN539B) EQUIPPED.
 - . A VCDX-2000 CONFIGURATION REQUIRES A MAXIMUM OF ONE LIST 20 MHEIB (UN584) TO BE EQUIPPED AT THE FIRST MH POSITION (MH0), 04-096, INSTEAD OF THE LIST 10A (UN538). LIST 10A (UN538) AND LIST 20 (UN584) ARE MUTUALLY EXCLUSIVE. IF ADDITIONAL MH SUPPORT IS REQUIRED IN THE VCDX-2000 APPLICATION, A LIST 10A (UN538) MAY BE EQUIPPED AT THE SECOND MH POSITION (MH1), 04-104. LIST 6B MUST ALSO BE EQUIPPED IF ADDITIONAL MH SUPPORT IS REQUIRED.
 - . A REAL TIME CALL DETAIL CONFIGURATION OR A PER CALL CONTROL OF BROADBAND ECHO CANCELLERS CONFIGURATION, IN THE 5ESS TOLL ENVIRONMENT, REQUIRES A LIST 20 MHEIB (UN584) TO BE EQUIPPED AT THE THIRD MH POSITION (MH2), 04-112, OF LIST 1A OR 18 AND LIST 2A OR 19. THE FIRST MH POSITION (MH0), 04-096, AND THE SECOND SECOND MH POSITION (MH1), 04-104, ARE EQUIPPED IF REQUIRED WITH LIST 10A TO SUPPORT STANDARD 5ESS-2000 APPLICATIONS. LIST 6B MUST ALSO BE EQUIPPED IF THIS ADDITIONAL MH SUPPORT IS REQUIRED.
 - . REFER TO CN84534NW.
56. \$LIST 1 & 2 ARE MUTUALLY EXCLUSIVE.\$
 - . LISTS 1 OR 1A OR 18 & 2 OR 2A OR 19, EACH WITH THEIR ASSOCIATED LIST ITEMS, ARE INDEPENDANT, SHELVES FOR ORDERING AND MANUFACTURING PURPOSES. BOTH ARE REQUIRED FOR A COMPLETE SMPU UNIT.
57. FUSE POSITIONS FOR FUSES IN THE J5D003FJ FUSE/FILTER UNIT ARE TO BE ASSIGNED PER CABLING DRAWING ED5D693-20.
58. LISTS 27 AND 28 ARE REQUIRED TO SUPPORT XCDU UNIT (J5D003NF-1).
 - . LIST 27, UN555 (APCX), IS EQUIPPED AT 04-088 OF EACH LIST 1A OR 18 AND LIST 2A OR 19 TO PROVIDE AN INTERFACE PORT BETWEEN THE SMPU4 AND THE EXTENDED CONTROL DATA UNIT (XCDU). THE INTERFACE LINK IS MADE WITH JOB ENGINEERED CABLES DESCRIBED IN ED5D734-20. EACH SMPU4 CAN PHYSICALLY INTERCONNECT WITH A MAXIMUM OF THREE (3) XCDU SHELVES THAT ARE LOCATED NO FURTHER THEN 34 CABLE FEET AWAY.
 - . ONE LIST 28, 963E-2 CONNECTOR (OPTION ZH) IS REQUIRED TO BE EQUIPPED ON EACH SMPU4 SHELF ASSEMBLY, LIST 1A OR 18 AND LIST 2A OR 19, TO ACTIVATE THE XCDU MODE.

EQL POS	ORIENTATION	PIN CONNECTED
04-022-017	HORIZONTAL	04-023-017

59. POWER, FUSE ALARM/TEST & FAN SCAN/DISTRIBUTE CABLING FOR SMPU4 SIDES 0 & 1 SHALL BE ORDERED FROM \$ED5D693-20\$ ED5D734-15.
60. ONE EACH OF APPARATUS BLANKS 150B, 158A, 158G, 158B, AND 158H ARE ALWAYS REQUIRED PER SMPU4 SHELF ASSEMBLY (SIDE 0 AND SIDE 1).
 - . THE SUM OF LIST 9 OR 9A OR 9B OR 24 + LIST 10 OR 10A OR 20 + LIST 11 OR 11A OR 17 OR 17A OR 17B + LIST 12 OR 12A + LIST 27 + 158E TYPE APPARATUS BLANKS MUST EQUAL 13 PER SHELF.
61. 963E-2 CONNECTOR (LIST 13) IS A TWO PIN JUMPER CONNECTOR. THE OPTION(S) REQUIRED, ALONG WITH THE APPROPRIATE PIN POSITIONS FOR THE CONNECTORS, MUST BE PROVIDED BY THE EQUIPMENT ENGINEER IN

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

BT13	
DWG SIZE C2	ISSUE 66

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 AND EQUIPMENT REQUIRED FOR SMPU1 SIDE "0" SHELF ASSEMBLY. PROVIDES APPARATUS HOUSING, GUIDES, BACKPLANE, DESIGNATION STRIP & MISCELLANEOUS HARDWARE. DA EFF:05/13/94 FE:J5D003NA-1,L1A	71	DA	1	1	SD5D195-01	1					
ASSEMBLY AND EQUIPMENT REQUIRED FOR SMPU4 SIDE "0" SHELF ASSEMBLY. PROVIDES APPARATUS HOUSING, BACKPLANE AND MISCELLANEOUS HARDWARE. REQUIRED FOR STANDARD SM CONFIGURATIONS. REPL:J5D003NA-1,L1 DA EFF:02/23/01 FE/RA:NONE	56 69 71 73 75	DA	1A						SD5D195-02	9	
ASSEMBLY AND EQUIPMENT REQUIRED FOR SMPU4 SIDE "1" SHELF ASSEMBLY. PROVIDES APPARATUS HOUSING, GUIDES, BACKPLANE, DESIGNATION STRIP & MISCELLANEOUS HARDWARE. DA EFF:05/13/94 FE:J5D003NA-1,L2A	71	DA	2	1	SD5D195-01	2					
ASSEMBLY AND EQUIPMENT REQUIRED FOR SMPU4 SIDE "1" SHELF ASSEMBLY. PROVIDES APPARATUS HOUSING, BACKPLANE AND MISCELLANEOUS HARDWARE. REQUIRED FOR STANDARD SM CONFIGURATIONS. REPL:J5D003NA-1,L2 DA EFF:02/23/01 FE/RA:NONE	56 69 71 73 75	DA	2A						SD5D195-02	10	
POWER MODULES REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1,1A,18 OR 2,2A,19. DA EFF:12/08/97 FE:J5D003NA-1,L3A	74	DA	3						SD5D195-01 SD5D195-02	3 3	
POWER CONVERTER (410AA2) FOR SMPU4. TWO ARE REQUIRED TO BE EQUIPPED FOR EACH LIST 1, 1A, OR 18, AND EACH LIST 2, 2A, OR 19. REPL:J5D003NA-1,L3 DA EFF:02/23/01 FE/RA:NONE	74 500	DA	3A	1					SD5D195-01 SD5D195-02	3 3	L L
CONTROL AND DISPLAY CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1,1A,18 OR 2, 2A,19 ONE PER SHELF REQUIRED. DA EFF:04/10/97 FE:J5D003NA-1,L4A		DA	4						SD5D195-01 SD5D195-02	3 3	
CONTROL AND DISPLAY CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19. ONE PER SHELF REQUIRED. REPL:J5D003NA-1,L4 DA EFF:02/23/01 FE/RA:NONE	500	DA	4A						SD5D195-01 SD5D195-02	3 3	P P
BUS SERVICE NODE CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 2. ONE REQUIRED PER SHELF. DA EFF:05/03/93 FE:J5D003NA-1,L5A		DA	5	1	SD5D195-01	3					
BUS SERVICE CIRCUIT NODE REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 2. ONE PER SHELF REQUIRED. DA EFF:03/22/94 FE:J5D003NA-1,L5B		DA	5A	1	SD5D195-01	3					
BUS SERVICE CIRCUIT NODE REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1,1A,18 OR 2, 2A,19. ONE PER SHELF REQUIRED. REPL:J5D003NA-1,L5A DA EFF:07/01/95 FE:J5D003NA-1,L5C		DA	5B	1	SD5D195-01	3					

TABLE-A CONTINUED

J5D003NA-1

ENGINEERING NOTES

***** CONTINUED *****

POSITION 36. PROCESSOR CORE 60 CIRCUIT PACKS INCLUDE UN560 (LIST 25, 25A, OR 25B), UN593 (LIST 26, 26A, OR 26B), AND UN594 (LIST 31 OR 31A). THE UN540 CORE 40 CIRCUIT PACK (LIST 7, 7A, OR 7B) CANNOT BE USED IN AN SMPU4 EQUIPPED TO SUPPORT OXU.

THE INTERFACE LINK BETWEEN THE SMPU4 AND EACH OXU IS MADE WITH JOB ENGINEERED FIBEROPTIC CABLES DESCRIBED IN ED5D872-10 OR ED5D872-11. THE CABLES INTERFACE INTO THE SMPU4 VIA CONTROL PERIPHERAL LINK INTERFACE (CPLI) PADDLEBOARDS (BKJ2 OR BKJ1) EQUIPPED ON THE BACKPLANE BEHIND THE APCO CIRCUIT PACK. ONE PADDLEBOARD IS REQUIRED FOR EACH OXU THAT IS EQUIPPED, ACCORDING TO THE FOLLOWING TABLE. NOTE THAT BKJ2 0 IS ALWAYS REQUIRED IF THE OXU FEATURE IS EQUIPPED IN STANDARD SM2000, EXM-2000, DRM, RTCD, OR PER CALL CONTROL OF BROAD BAND ECHO CANCELLER APPLICATIONS.

OXU	BKJ PADDLEBOARD	EQL	PORT NUMBER
OXU1	BKJ2 0	04-088-100	1
OXU2	BKJ2 1	04-088-113	2
OXU3	BKJ2 2	04-088-132	3
OXU4	BKJ2 3	04-088-145	4
OXU5	BKJ1 0	04-088-400	5
OXU6	BKJ1 1	04-088-413	6
OXU7	BKJ1 2	04-088-432	7
OXU8	BKJ1 3	04-088-445	8

PORTS WHICH DO NOT HAVE AN OXU EQUIPPED REQUIRE LIST 38 (OXU BACKPLANE PADDLEBOARD, OPTION ZR). THESE OXU PADDLEBOARDS ARE TO BE EQUIPPED ON THE BACKPLANE, AT THE REAR OF LIST 32 (APCO CIRCUIT PACK, UN599) INSTEAD OF THE BKJ2 OR BKJ1 PADDLEBOARDS, AND USING THE SAME EQL'S.

WHEN EQUIPPING OXU IN AN SMPU4 WITH THE VCDX-2000 FEATURE OR DRM, THE BKJ2 AND BKJ1 MAY BE EQUIPPED ONLY IN THE TOP FOUR PORTS, PORTS 3, 4, 7, AND 8. THESE ARE EQL'S 04-088-132, 04-088-145, 04-088-432, AND 04-088-435. PORTS 1, 2, 5, AND 6 CANNOT BE USED. FOR EACH UNEQUIPPED OXU PORT, LIST 38 (OXU BACKPLANE PADDLEBOARD, OPTION ZR) MUST BE EQUIPPED AT THE REAR OF LIST 32 (APCO CIRCUIT PACK, UN599) INSTEAD OF THE BKJ2 OR BKJ1 PADDLEBOARD. THESE PADDLEBOARDS ARE EQUIPPED AT THE SAME EQL'S AS THOSE USED FOR THE BKJ2 AND BKJ1 PADDLEBOARDS, AND MUST BE EQUIPPED ON PORTS 1, 2, 5, AND 6.

ONE LIST 37, 963E-2 CONNECTOR (OPTION ZQ) IS REQUIRED TO BE EQUIPPED ON EACH SMPU4 SHELF ASSEMBLY, LIST 1A OR 18 AND LIST 2A OR 19, TO ACTIVATE THE OXU MODE.

EQL POS	ORIENTATION	PIN CONNECTED
04-022-017	HORIZONTAL	04-023-017

77. LIST 35, 982CAG, IS ALWAYS REQUIRED IN ADDITION TO EACH LIST 1 OR 1A OR 18, WHEN EQUIPPED WITH LIST 31A (UN594).

LIST 36, 982CAH, IS ALWAYS REQUIRED IN ADDITION TO EACH LIST 2 OR 2A OR 19, WHEN EQUIPPED WITH LIST 31A (UN594).

WHEN ORDERING LIST 31A (UN594) FOR CORE BOARD UPGRADES, ED5D833-30, GROUP 6 MUST BE ORDERED TO PROVIDE THESE PADDLEBOARDS AND ASSOCIATED APPARATUS MOUNTINGS.

499. REPLACEMENT APPARATUS BLANKS CAN BE ORDERED FROM ED5D868-30, 5ESS(R) 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
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE
C2

ISSUE
66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET A6
OF 21

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
BUS SERVICE CIRCUIT NODE REQUIRED FOR SMPU4. ONE PER SHELF REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19. REQUIRED IN ADDITION TO LIST 25A, 26A, OR 31A. REPL:J5D003NA-1,L5B DA EFF:02/23/01 FE:J5D003NG-1,L7	72 500	DA	5C						SD5D195-01 SD5D195-02	3 3	T T
APPLICATION PROCESSOR CONTROL CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1, 1A, 18 OR 2, 2A, 19. ONE PER SHELF REQUIRED. DA EFF:03/18/97 FE:J5D003NA-1,L6A		DA	6						SD5D195-01 SD5D195-02	3 3	
APPLICATION PROCESSOR CONTROL CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19. ONE PER SHELF REQUIRED. DA EFF:11/03/97 FE:J5D003NA-1,L6B		DA	6A						SD5D195-01 SD5D195-02	3 3	N N
APPLICATION PROCESSOR CONTROL CIRCUIT PACK (UN539B) REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1, 1A, OR 18 AND LIST 2, 2A, OR 19. ONE PER SHELF IS REQUIRED. REPL:J5D003NA-1,L6A DA EFF:02/23/01 FE:J5D003NG-1,L9B	55 500	DA	6B	1					SD5D195-01 SD5D195-02	3 3	N N
PROCESSOR CORE 40 CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 2. ONE REQUIRED PER SHELF. DA EFF:06/04/93 FE:J5D003NA-1,L7A		DA	7	1	SD5D195-01	4					
PROCESSOR CORE 40 CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 2. ONE REQUIRED PER SHELF. DA EFF:09/29/93 FE:J5D003NA-1,L7B		DA	7A	1	SD5D195-01	4					
PROCESSOR CORE 40 CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1, 1A, 18 AND 2, 2A, 19. ONE REQUIRED PER SHELF. REPL:J5D003NA-1,L7A DA EFF:12/06/94 FE:J5D003NA-1,L7C		DA	7B	1	SD5D195-01	4					
PROCESSOR CORE 40 CIRCUIT PACK REQUIRED FOR SMPU4. SUPPORTS SE9(2) AND LATER AND AWS/SM2000. REQUIRED IN ADDITION TO LIST 1, 1A, 18 OR 2, 2A, 19. ONE REQUIRED PER SHELF. <SE9(2)> REPL:J5D003NA-1,L7B DA EFF:08/02/95 FE:J5D003NA-1,L7D	72 75 500	DA	7C	1	SD5D195-01	4					W
PROCESSOR CORE 40 CIRCUIT PACK REQUIRED FOR SMPU4. SUPPORTS SE9(2) AND LATER AND VCDX-2000 REQUIRED IN ADDITION TO LIST 1, OR 1A, OR 18, AND 2, OR 2A, OR 19. ONE PER SHELF REQUIRED. <SE9(2)> REPL:J5D003NA-1,L7C DA EFF:02/23/01 FE/RA:NONE	72 75 500	DA	7D						SD5D195-01 SD5D195-02	4 4	W W
CABLE KIT REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 2, OR 2A, OR 19. DA EFF:02/23/01 FE/RA:NONE	500	DA	8	1	ED5D734-40	5					

TABLE-A CONTINUED

J5D003NA-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
32 MB MEMORY CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 2. MINIMUM OF ONE PER SHELF REQUIRED TO MAXIMUM OF FOUR PER SHELF. QUANTITY REQUIRED DEPENDENT UPON SM MEMORY REQUIREMENT. DA EFF:08/05/93 FE:J5D003NA-1,L9A		DA	9	1	SD5D195-01	5					
32 MB MEMORY CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 2. MINIMUM OF ONE PER SHELF REQUIRED TO MAXIMUM OF FOUR PER SHELF. QUANTITY REQUIRED DEPENDENT UPON SM MEMORY REQUIREMENT. DA EFF:10/28/93		DA	9A	1	SD5D195-01	5					
32 MB MEMORY CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19. ONE PER SHELF REQUIRED IF EQUIPED. QUANTITY DEPENDENT UPON SM MEMORY REQUIREMENTS, MAXIMUM OF FOUR PER SHELF. REPL:J5D003NA-1,L9A DA EFF:02/23/01 FE:J5D003NG-1,L5	62 75 500	DA	9B						SD5D195-01 SD5D195-02	5 5	
MESSAGE HANDLER CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 2. MINIMUM OF ONE PER SHELF TO MAXIMUM OF THREE PER SHELF. DA EFF:08/09/93 FE:J5D003NA-1,L10A	55	DA	10	1	SD5D195-01	6					
MESSAGE HANDLER CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1, 1A, 18 OR 2, 2A, 19 FOR STANDARD SM, EXM2000, AND VCDX-2000 EQUIPPED WITH DNU-S. MINIMUM OF 1 PER SHELF TO MAXIMUM OF THREE PER SHELF. REPL:J5D003NA-1,L10 DA EFF:02/23/01 FE:J5D003NG-1,L8	55 68 75 500	DA	10A						SD5D195-01 SD5D195-02	6 6	
PACKET INTERFACE CIRCUIT PACK REQUIRED FOR SMPU4. MAXIMUM OF ONE REQUIRED IN ADDITION TO LIST 1 OR 2 FOR PACKET SWITCH UNIT INTERFACE. DA EFF:08/05/93 FE:J5D003NA-1,L11A		DA	11	1	SD5D195-01	8					
PACKET INTERFACE CIRCUIT PACK (PI) FOR SMPU4. MAXIMUM OF ONE REQUIRED IN ADDITION TO LIST 1, 1A, 18 OR 2, 2A, 19 FOR PACKET SWITCH UNIT INTERFACE. DA EFF:03/23/98 RA:J5D003NA-1,L17B	65	DA	11A						SD5D195-01 SD5D195-02	8 8	

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET A7 OF 21

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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	
CONTROL INTERFACE CIRCUIT PACK REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1,1A,18 OR 2, 2A,19 MINIMUM OF ONE PER SHELF REQUIRED TO MAXIMUM OF FOUR PER SHELF. PROVIDES 23 PICB PORTS. DA EFF:05/03/96 FE:J5D003NA-1,L12A	63	DA	12	1	SD5D195-01 SD5D195-02	7 7						
CONTROL INTERFACE CIRCUIT PACK (VERSION 2) REQD FOR SMPU4. REQD IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19. MINIMUM OF ONE PER SHELF REQUIRED TO MAXIMUM OF FOUR PER SHELF. PROVIDES 23 PICB PORTS EACH. REPL:J5D003NA-1,L12 DA EFF:10/11/96 FE:J5D003NA-1,L12B	63	DA	12A		SD5D195-01 SD5D195-02	7 7			7	R R		
CONTROL INTERFACE CIRCUIT PACK (VERSION 2) REQD FOR SMPU4. REQD IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19. MINIMUM OF ONE PER SHELF REQUIRED TO MAXIMUM OF FOUR PER SHELF. PROVIDES 23 PICB PORTS EACH. REPL:J5D003NA-1,L12A DA EFF:02/23/01 FE:J5D003NG-1,L12	63 71 500	DA	12B		SD5D195-01 SD5D195-02	7 7			7	R R		
JUMPER CONNECTOR REQUIRED PER SHELF FOR SMPU4 WHEN AUTO POWER RESTART (APR) AND/OR 30 CHANNEL OPERATION FEATURES ARE SPECIFIED. DA EFF:02/23/01 FE/RA:NONE	61 500	DA	13		SD5D195-01 SD5D195-02				1,2 9,10	ZA ZB ZA ZB		
CABLE KIT FOR THE SECOND MESSAGE HANDLER (MH) CIRCUIT PACK (LIST 10, 10A) FURNISHED IN EACH SMPU4 SHELF. ONLY ONE KIT REQUIRED FOR SHELVES 0 & 1 COMBINED.	55 500		14	1	ED5D734-40	6						
CABLE KIT REQUIRED WHEN EQUIPPING THE THIRD MESSAGE HANDLER POSITION WITH LIST 10/10A FOR STANDARD SM2000, OR LIST 20 FOR REAL TIME CALL DETAIL IN THE 5ESS-2000 TOLL ENVIRONMENT. ONLY ONE KIT IS REQUIRED FOR SHELVES 0 AND 1 COMBINED.	55 68 500		15	1	ED5D734-40	7						
EQUIPMENT REQUIRED IN ADDITION TO LIST 1A OR 18 AND 2A OR 19 FOR STANDARD SM2000 OR EXM2000 CONFIGURATIONS. 982ET CONNECTOR (NON VCDX-2000) REPL:NONE DA EFF:02/23/01 FE/RA:NONE	500	DA	16					SD5D195-02	9,10	ZC		
PACKET INTERFACE CIRCUIT PACK (ENHANCED VERSION-PI2) FOR SMPU4. MAXIMUM OF ONE REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19 FOR PSU2 INTERFACE. REPL:NONE DA EFF:08/25/95 FE:J5D003NA-1,L17A	65	DA	17	1	SD5D195-01	8				Y		
PACKET INTERFACE CIRCUIT PACK (ENHANCED VERSION-PI2) FOR SMPU4. MAXIMUM OF ONE REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19 FOR PSU2 INTERFACE. <5E10> REPL:J5D003NA-1,L17 DA EFF:05/03/96 FE:J5D003NA-1,L17B	65	DA	17A	1	SD5D195-01 SD5D195-02	8 8				Y Y		

TABLE-A CONTINUED

J5D003NA-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	
PACKET INTERFACE CIRCUIT PACK (ENHANCED VERSION-PI2) FOR SMPU4. MAXIMUM OF ONE REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19 FOR PSU AND/OR PSU2 INTERFACE. <5E10> REPL:J5D003NA-1,L11A REPL:J5D003NA-1,L17A DA EFF:02/23/01 FE:J5D003NG-1,L11	65 500	DA	17B					SD5D195-01 SD5D195-02	8 8	S S		
ASSEMBLY AND EQUIPMENT REQUIRED FOR SMPU4, SIDE 0 SHELF ASSEMBLY PROVIDES APPARATUS HOUSING, BACKPLANE AND MISCELLANEOUS HARDWARE. SUPPORTS ASU INTERFACE VIA CIRCUIT OPTION ZF. REQUIRED FOR VCDX-2000 AND EXM2000 CONFIGURATIONS. DA EFF:02/23/01 FE/RA:NONE	56 68 69 70 73 75	DA	18					SD5D195-02	9	ZF		
ASSEMBLY AND EQUIPMENT REQUIRED FOR SMPU4, SIDE 1 SHELF ASSEMBLY PROVIDES APPARATUS HOUSING, BACKPLANE AND MISCELLANEOUS HARDWARE. SUPPORTS ASU INTERFACE VIA CIRCUIT OPTION ZF. REQUIRED FOR VCDX-2000 AND EXM2000 CONFIGURATIONS. DA EFF:02/23/01 FE/RA:NONE	56 68 69 70 73 75	DA	19					SD5D195-02	10	ZF		
MESSAGE HANDLER ETHERNET INTERFACE CIRCUIT PACK (UN584). ONE IS REQUIRED IN ADDITION TO EACH LIST 18 AND LIST 19 FOR VCDX-2000 CONFIGURATIONS. ONE IS REQUIRED IN ADDITION TO EACH LIST 1A OR 18 AND LIST 2A OR 19 FOR REAL TIME CALL DETAIL, OR PER CALL CONTROL OF BROADBAND ECHO CANCELLERS FEATURES/APPLICATIONS. (5E9(2)/5EE7.1 AND LATER FOR VCDX-2000) (5E12 AND LATER FOR RTCD) (5E13 AND LATER FOR PER CALL CONTROL OF BROADBAND ECHO CANCELLERS) DA EFF:02/23/01 FE:J5D003NG-1,L17	68 75 500	DA	20					SD5D195-02	6	X		
MESSAGE HANDLER ETHERNET INTERFACE PADDLEBOARD. REQUIRED IN ADDITION TO LIST 20 FOR VCDX/SM2000 CONFIGURATION. ONE PER SHELF REQUIRED. DA EFF:12/08/97 FE:J5D003NA-1,L21A	68 70	DA	21					SD5D195-02	9,10	ZD		

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET A8 OF 21

PRINTED IN U.S.A.

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	
MESSAGE HANDLER ETHERNET INTER- FACE CONNECTOR (982YPA). PROVIDES A SWITCH SELECTABLE INTERFACE BETWEEN VCDX-2000 OR REAL TIME CALL DETAIL/PER CALL CONTROL OF BROADBAND ECHO CANCELLERS FEATURES. ONE IS REQUIRED IN ADDITION TO EACH LIST 20 THAT IS EQUIPPED. REPL:J5D003NA-1,L21 DA EFF:02/23/01 FE:J5D003NG-1,L18A	68 70 500	DA	21A	1				SD5D195-02	9,10	ZD		
CPI INTERFACE PADDLEBOARD REQUIRED IN ADDITION TO LIST 18 OR 19 FOR VCDX-2000 CONFIGURATION. ONE PER SHELF REQUIRED. 982YPN CONNECTOR DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	22					SD5D195-02	9,10	ZE		
ASU INTERFACE PADDLEBOARD REQUIRED IN ADDITION TO LIST 18 OR 19 FOR VCDX-2000 OR EXM2000 CONFIGURATIONS. ONE PER SHELF. 9822DU CONNECTOR DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	23					SD5D195-02	9,10	ZG		
64MB MEMORY CIRCUIT PACK, TN1806 REQUIRED FOR SMPU4. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19. ONE PER SHELF REQUIRED IF EQUIPPED. QUANTITY DEPENDENT UPON SM MEMORY REQUIREMENTS, MAXIMUM OF FOUR PER SHELF. <5EE6(2), 5E10> REPL:NONE DA EFF:02/23/01 FE:J5D003NG-1,L6	62 75 500	DA	24					SD5D195-01 SD5D195-02	5 5	V V		
PROCESSOR CORE 60 CIRCUIT PACK REQUIRED FOR SMPU4. PROVIDES 64MB ON-BOARD MEMORY STANDARD. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19, ONE PER SHELF. <5EE7(1), 5E10> REPL:NONE DA EFF:12/22/95 FE:J5D003NA-1,L25A	62 72	DA	25	1	SD5D195-01 SD5D195-02	4 4				U U		
PROCESSOR CORE 60 CIRCUIT PACK REQUIRED FOR SMPU4. PROVIDES 64MB ON-BOARD MEMORY STANDARD. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19, ONE PER SHELF. <5EE7(1), 5E10> REPL:J5D003NA-1,L25 DA EFF:03/01/99 FE:J5D003NA-1,L25B FE:J5D003NA-1,L31A	62 72 75 500	DA	25A					SD5D195-01 SD5D195-02	4 4	U U		
PROCESSOR CORE 60 CIRCUIT PACK REQUIRED FOR SMPU4. PROVIDES 64MB ON-BOARD MEMORY STANDARD. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19, ONE PER SHELF. <5EE7(1), 5E10> REPL:J5D003NA-1,L25A DA EFF:10/11/99 FE:J5D003NA-1,L31A	62 72 75 500	DA	25B					SD5D195-01 SD5D195-02	4 4	U U		
PROCESSOR CORE 66 CIRCUIT PACK FOR SMPU4. PROVIDES 64MB ON- BOARD MEMORY STANDARD ALONG WITH CUSTOM FEATURE CPU CLOCK SPEED. REQUIRED IN ADDITION TO LIST 1 OR 1A OR 18 AND 2 OR 2A OR 19, ONE PER SHELF. AVAILABLE TO INTERNATIONAL MARKETS ONLY. <5EE7(1)SU, 5EE8(1)SU, 5EE9(1)> DA EFF:04/25/97 FE:J5D003NA-1,L26A	62 72	DA	26					SD5D195-01 SD5D195-02	4 4	Q Q		

TABLE-A CONTINUED

J5D003NA-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	
PROCESSOR, 66MHZ CORE 60 CIRCUIT PACK WITH 64MB OF ON-BOARD MEMORY (UN593). ONE REQUIRED IN ADDITION TO EACH LIST 1 OR 1A OR 18 AND EACH LIST 2 OR 2A OR 19. RESTRICTED TO USE IN INTERNA- TIONAL MARKETS WHICH HAVE IMPL- MENTED 5EE7.1(SU), OR 5EE8.1(SU) OR 5EE9.1(SU). REPL:J5D003NA-1,L26 DA EFF:03/01/99 FE:J5D003NA-1,L26B FE:J5D003NA-1,L31A	62 72 75 500	DA	26A					SD5D195-01 SD5D195-02	4 4	Q Q		
PROCESSOR, 66MHZ CORE 60 CIRCUIT PACK WITH 64MB OF ON-BOARD MEMORY (UN593). ONE REQUIRED IN ADDITION TO EACH LIST 1 OR 1A OR 18 AND EACH LIST 2 OR 2A OR 19. RESTRICTED TO USE IN INTERNA- TIONAL MARKETS WHICH HAVE IMPL- MENTED 5EE7.1(SU), OR 5EE8.1(SU) OR 5EE9.1(SU). REPL:J5D003NA-1,L26A DA EFF:10/11/99 FE:J5D003NA-1,L26C FE:J5D003NA-1,L31A	62 72 75 500	DA	26B					SD5D195-01 SD5D195-02	4 4	Q Q		
PROCESSOR, 66MHZ CORE 60 CIRCUIT PACK WITH 64MB OF ON-BOARD MEMORY (UN593). ONE REQUIRED IN ADDITION TO EACH LIST 1 OR 1A OR 18 AND EACH LIST 2 OR 2A OR 19. RESTRICTED TO USE IN INTERNATIONAL MARKETS WHICH HAVE IMPLEMENTED 5EE7.1(SU), OR 5EE8.1(SU) OR 5EE9.1(SU). REPL:J5D003NA-1,L26B DA EFF:06/11/01 FE:J5D003NA-1,L31A	62 72 75 500	DA	26C					SD5D195-01 SD5D195-02	4 4	Q Q		
APPLICATION PROCESSOR CONTROLLER EXTENDED CIRCUIT PACK (UN555). ONE IS REQUIRED IN ADDITION TO EACH LIST 1A OR 18 AND LIST 2A OR 19 IF THE SM APPLICATION IS INTENDED TO SUPPORT THE EXTENDED CONTROL DATA UNIT (XCDU) FEATURE	58 75 500		27	1				SD5D195-01 SD5D195-02	11 11	M M		
EXTENDED CONTROL DATA UNIT (XCDU) MODE JUMPER (963E-2). ONE IS REQUIRED IN EACH LIST 1 OR 18 AND LIST 2A OR 19 TO INVOKE THIS APPLICATION WHEN LIST 27 IS EQUIPPED.	58 500		28	1				SD5D195-01 SD5D195-02	9,10 9,10	ZH ZH		
CABLE ASSEMBLY REQUIRED IN ADDITION TO EACH LIST 1A OR 18 TO SUPPORT MEMORY GROWTH. REPL:NONE DA EFF:02/23/01 FE/RA:NONE	62 73 500	DA	29	1	ED5D507-17		116	SD5D195-01 SD5D195-02	5 5	ZK ZK		
CABLE ASSEMBLY REQUIRED IN ADDITION TO EACH LIST 2A OR 19 TO SUPPORT MEMORY GROWTH. REPL:NONE DA EFF:02/23/01 FE/RA:NONE	62 73 500	DA	30	1	ED5D507-17		117	SD5D195-01 SD5D195-02	5 5	ZK ZK		

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE
C2

ISSUE
66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET A9
OF 21

PRINTED IN U.S.A.

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
PROCESSOR, 60MHZ CORE 60 CIRCUIT PACK WITH 64MB OF ON-BOARD MEMORY (UN594). ONE IS REQUIRED IN ADDITION TO EACH LIST 1A OR 18, AND LIST 2A OR 19. <5E12 AND LATER;5EE10 AND LATER> DA EFF:07/20/98 FE:J5D003NA-1,L31A	62 72	DA	31	1					SD5D195-02	4	L
PROCESSOR, 60MHZ CORE 60 CIRCUIT PACK WITH 64MB OF ON-BOARD MEMORY (UN594). ONE IS REQUIRED IN ADDITION TO EACH LIST 1A OR 18, AND LIST 2A OR 19. <5E12 AND LATER;5EE10 AND LATER> <SU'D BACK TO 5E11.1/5EE8.1> <NOT SUPPORTED IN 5EE9.1> REPL:J5D003NA-1,L25A REPL:J5D003NA-1,L25B REPL:J5D003NA-1,L26A REPL:J5D003NA-1,L26B REPL:J5D003NA-1,L26C REPL:J5D003NA-1,L31	62 72 75 77 500		31A	1					SD5D195-02	4	L
APPLICATION CONTROLLER (APCO) CIRCUIT PACK (UN599). ONE IS REQUIRED IN ADDITION TO EACH LIST 1A OR 18 AND LIST 2A OR 19 IF THE SM APPLICATION IS TO SUPPORT THE OXU FEATURE. <5E15 AND LATER; 5EE13.1 AND LATER> REPL:NONE	76 500		32	1					SD5D195-02	11	J
CONTROL PERIPHERAL LINK INTER-FACE (CPLI) CONNECTOR (BKJ2). A MINIMUM OF ONE AND A MAXIMUM OF FOUR ARE REQUIRED IN ADDITION TO EACH LIST 1A OR 18 AND LIST 2A OR 19 TO SUPPORT THE OXU FEATURE, WHEN LIST 32 IS EQUIPPED. REPL:NONE	76 500		33	1					SD5D195-02	9 10	ZL
CONTROL PERIPHERAL LINK INTER-FACE (CPLI) CONNECTOR (BKJ1). A MINIMUM OF ZERO AND A MAXIMUM OF FOUR ARE REQUIRED IN ADDITION TO EACH LIST 1A OR 18 AND LIST 2A OR 19 TO SUPPORT THE OXU FEATURE, WHEN LIST 32 IS EQUIPPED. REPL:NONE	76 500		34	1					SD5D195-02	9 10	ZM
PADDLEBOARD CONNECTOR (982CAG). ONE IS ALWAYS REQUIRED IN ADDITION TO EACH LIST 1 OR 1A OR 18 WHEN EQUIPPED WITH LIST 31A. REPL:NONE	77		35	1					SD5D195-01 SD5D195-02	4 9	ZN ZN
PADDLEBOARD CONNECTOR (982CAH). ONE IS ALWAYS REQUIRED IN ADDITION TO EACH LIST 2 OR 2A OR 19 WHEN EQUIPPED WITH LIST 31A. REPL:NONE	77		36	1					SD5D195-01 SD5D195-02	4 10	ZP ZP
OPTICAL EXTENDED CONTROL AND DATA UNIT (OXU) MODE JUMPER (963E-2). ONE IS REQUIRED IN ADDITION TO EACH LIST 1A OR 18 AND LIST 2A OR 19 TO INVOKE THIS APPLICATION WHEN LIST 32 IS EQUIPPED.	76 500		37	1					SD5D195-02	9,10	ZQ
OPTICAL EXTENDED CONTROL AND DATA UNIT BACKPLANE PADDLEBOARD. ONE IS REQUIRED FOR EACH UNEQUIPPED OXU PORT WHEN LIST 32 IS EQUIPPED.	76 500		38	1					SD5D195-02	9,10	ZR
SMPU4 SIDE 0 SHELF ASSEMBLY FOR STANDARD SM CONFIGURATION. DA EFF:09/30/97 FE/RA:NONE		DA	500						SD5D195-02	9	
SMPU4 SIDE 1 SHELF ASSEMBLY FOR STANDARD SM CONFIGURATIONS. DA EFF:09/30/97 FE/RA:NONE		DA	501						SD5D195-02	10	

TABLE-A CONTINUED

J5D003NA-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
POWER MODULE APPARATUS. DA EFF:09/30/97 FE/RA:NONE		DA	502						SD5D195-02	3	
CONTROL AND DISPLAY APPARATUS. REPL:NONE DA EFF:04/10/97 FE:J5D003NA-1,L503A		DA	503						SD5D195-02	3	
CONTROL AND DISPLAY APPARATUS. REPL:J5D003NA-1,L503 DA EFF:09/30/97 FE/RA:NONE		DA	503A						SD5D195-02	3	P
BUS SERVICE CIRCUIT NODE APPARATUS. REPL:NONE DA EFF:07/01/95 FE:J5D003NA-1,L504A		DA	504	1					SD5D195-01	3	
BUS SERVICE CIRCUIT NODE APPARATUS. REPL:J5D003NA-1,L504 DA EFF:09/30/97 FE/RA:NONE		DA	504A						SD5D195-02	3	T
APPLICATION PROCESSOR CONTROL APPARATUS. REPL:NONE DA EFF:02/28/97 FE:J5D003NA-1,L505A		DA	505						SD5D195-02	3	
APPLICATION PROCESSOR CONTROL APPARATUS. REPL:J5D003NA-1,L505 DA EFF:09/30/97 FE/RA:NONE		DA	505A						SD5D195-02	3	N
PROCESSOR CORE 40 APPARATUS. REPL:NONE DA EFF:08/02/95 FE:J5D003NA-1,L506A		DA	506	1					SD5D195-01	4	
PROCESSOR CORE 40 APPARATUS. REPL:J5D003NA-1,L506 DA EFF:09/30/97 FE/RA:NONE		DA	506A						SD5D195-02	4	
32MB MEMORY APPARATUS. REPL:NONE DA EFF:09/30/97 FE/RA:NONE		DA	507						SD5D195-02	5	
MESSAGE HANDLER APPARATUS. REPL:NONE DA EFF:09/30/97 FE/RA:NONE		DA	508						SD5D195-02	6	
PACKET INTERFACE APPARATUS. REPL:NONE DA EFF:09/30/97 FE/RA:NONE		DA	509						SD5D195-02	8	
CONTROL INTERFACE APPARATUS. REPL:NONE DA EFF:05/03/96 FE:J5D003NA-1,L510A		DA	510	1					SD5D195-01 SD5D195-02	7 7	

TABLE-A CONTINUED

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

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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	
CONTROL INTERFACE APPARATUS. REPL:J5D003NA-1,L510 DA EFF:10/11/96 FE:J5D003NA-1,L510B		DA	510A						SD5D195-02	7	R	
CONTROL INTERFACE APPARATUS. REPL:J5D003NA-1,L510A DA EFF:09/30/97 FE/RA:NONE		DA	510B						SD5D195-02	7	R	
AUTO POWER RECOVERY JUMPER. REPL:NONE DA EFF:09/30/97 FE/RA:NONE		DA	511						SD5D195-02	9,10		
30 CHANNEL MODE JUMPER. REPL:NONE DA EFF:09/30/97 FE/RA:NONE		DA	512						SD5D195-02	9,10		
STANDARD SM CONFIGURATIONS JUMPER. REPL:NONE DA EFF:09/30/97 FE/RA:NONE		DA	513						SD5D195-02	9,10	ZC	
ENHANCED PACKET INTERFACE APPARATUS. REPL:NONE DA EFF:08/25/95 FE:J5D003NA-1,L514A		DA	514	1					SD5D195-01	8	Y	
ENHANCED PACKET INTERFACE APPARATUS. REPL:J5D003NA-1,L514 DA EFF:05/03/96 FE:J5D003NA-1,L514B		DA	514A	1					SD5D195-01 SD5D195-02	8 8	Y Y	
ENHANCED PACKET INTERFACE APPARATUS. REPL:J5D003NA-1,L514A DA EFF:09/30/97 FE/RA:NONE		DA	514B						SD5D195-02	8	S	
SMPU4, SIDE 0, SHELF ASSEMBLY FOR EXM2000 AND VCDX/SM2000 CONFIGURATIONS. DA EFF:09/30/97 FE/RA:NONE		DA	515						SD5D195-02	9	ZF	
SMPU4, SIDE1, SHELF ASSEMBLY FOR EXM2000 AND VCDX/SM2000 CONFIGURATIONS. DA EFF:09/30/97 FE/RA:NONE		DA	516						SD5D195-02	10	ZF	
MESSAGE HANDLER ETHERNET INTERFACE APPARATUS. DA EFF:09/30/97 FE/RA:NONE		DA	517						SD5D195-02	6	X	
MESSAGE HANDLER ETHERNET INTERFACE PADDLEBOARD. DA EFF:09/30/97 FE/RA:NONE		DA	518						SD5D195-02	9,10	ZD	
CPI INTERFACE PADDLEBOARD. DA EFF:09/30/97 FE/RA:NONE		DA	519						SD5D195-02	9,10	ZE	
ASU INTERFACE PADDLEBOARD DA EFF:09/30/97 FE/RA:NONE		DA	520						SD5D195-02	9,10	ZG	
64 MB MEMORY APPARATUS DA EFF:09/30/97 FE/RA:NONE		DA	521						SD5D195-02	5	V	
RS232 CABLE TERMINATION FOR VCDX/SM2000 CONFIGURATIONS. DA EFF:09/30/97 FE/RA:NONE		DA	522									
PROCESSOR CORE 60 APPARATUS, INCLUDES 64MB ON-BOARD MEMORY. REPL:NONE DA EFF:12/22/95 FE:J5D003NA-1,L523A		DA	523	1					SD5D195-01 SD5D195-02	4 4	U U	

TABLE-A CONTINUED

J5D003NA-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	
PROCESSOR CORE 60 APPARATUS, INCLUDES 64MB ON-BOARD MEMORY. REPL:J5D003NA-1,L523 DA EFF:09/30/97 FE/RA:NONE		DA	523A						SD5D195-02	4	U	
PROCESSOR CORE 66 CIRCUIT PACK FOR SMPU4. PROVIDES 64MB ON- BOARD MEMORY STANDARD ALONG WITH CUSTOM FEATURE CPU CLOCK SPEED. AVAILABLE TO INTNL MARKETS ONLY. <SEE7(1)SU,SEE8(1)SU,SEE9(1)> DA EFF:04/25/97 FE:J5D003NA-1,L524A		DA	524						SD5D195-01 SD5D195-02	4 4	Q Q	
PROCESSOR, 66MHZ CORE 60 CIRCUIT PACK WITH 64MB OF ON-BOARD MEMORY (UN593). ONE REQUIRED IN ADDITION TO EACH LIST 1 OR 1A OR 18 AND EACH LIST 2 OR 2A OR 19. RESTRICTED TO USE IN INTERNA- TIONAL MARKETS WHICH HAVE IMPL- MENTED 5EE7.1(SU), OR 5EE8.1(SU) OR 5EE9.1(SU). REPL:J5D003NA-1,L524 DA EFF:09/30/97 FE/RA:NONE		DA	524A	1					SD5D195-01 SD5D195-01	4 4	Q Q	
APPLICATION CONTROL EXTENDED CIRCUIT PACK REQUIRED FOR XCDU SUPPORT ON SMPU4. DA EFF:09/30/97 FE/RA:NONE		DA	525						SD5D195-01 SD5D195-02	11 11	M M	
JUMPER CONNECTOR REQUIRED FOR XCDU SUPPORT ON SMPU4. DA EFF:09/30/97 FE/RA:NONE		DA	526						SD5D195-01 SD5D195-02	9,10 9,10	ZH ZH	
150B APPARATUS BLANK REQUIRED FOR SMPU MODEL 4. DA EFF:12/30/98 FE:J5D003NA-1,LF5	60	DA	A									
158A APPARATUS BLANK REQUIRED FOR SMPU MODEL 4. DA EFF:12/30/98 FE:J5D003NA-1,LF5	60	DA	B									
158G APPARATUS BLANK REQUIRED FOR SMPU MODEL 4. DA EFF:12/30/98 FE:J5D003NA-1,LF5	60	DA	C									
158B APPARATUS BLANK REQUIRED FOR SMPU MODEL 4. DA EFF:12/30/98 FE:J5D003NA-1,LF5	60	DA	D									
158E APPARATUS BLANK REQUIRED FOR SMPU MODEL 4. DA EFF:12/30/98 FE:J5D003NA-1,LF5	60	DA	E									

TABLE-A CONTINUED

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE
C2

ISSUE
66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET All
OF 21

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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	
KIT REQUIRED TO MOUNT SMPU4 UNIT. INCLUDES FUSES FOR STANDARD POWERING APPLICATIONS. ONE KIT REQUIRED IN ADDITION TO LISTS 1,1A,18 & 2,2A,19 USED TO MOUNT BOTH SHELVES OF SMPU4. (ONLY ONE LIST F IS REQUIRED WHEN BOTH LIST 1,1A,18 & 2,2A,19 ARE ORDERED.) DA EFF:12/30/98 FE:J5D003NA-1,LF1	53	DA	F						SD5D195-02	9,10		
KIT REQUIRED TO MOUNT SMPU4 UNIT. INCLUDES FUSES FOR AUTO POWER RESTART (APR) APPLICATIONS. ONE KIT REQUIRED IN ADDITION TO LIST 1,1A,18 & 2,2A,19 USED TO MOUNT BOTH SHELVES OF SMPU4. (ONLY ONE LIST G IS REQUIRED WHEN BOTH LIST 1,1A,18 & 2,2A,19 ARE ORDERED.) DA EFF:12/30/98 FE:J5D003NA-1,LF2	53	DA	G						SD5D195-02	9,10	Z	
DESIGNATION STRIP LABEL FOR SMPU MODEL 4 SHELF "0". (FRONT AND REAR). REQUIRED IN ADDITION TO LIST 1,1A,18. DA EFF:12/30/98 FE/RA:NONE		DA	H									
DESIGNATION STRIP LABEL FOR SMPU MODEL 4 SHELF "1". (FRONT AND REAR). REQUIRED IN ADDITION TO LIST 2,2A,19. DA EFF:12/30/98 FE/RA:NONE		DA	J									
LABEL REQUIRED WHEN MORE THAN ONE LIST 10 IS EQUIPPED PER SHELF. REQUIRED FOR EACH LIST 10 EQUIPPED GREATER THAN QUANTITY OF 1 PER SHELF. DA EFF:11/03/92 FE/RA:NONE	55	DA	K									
LABEL REQUIRED WHEN MORE THAN ONE LIST 12 IS EQUIPPED PER SHELF. REQUIRED FOR EACH LIST 12 EQUIPPED GREATER THAN QUANTITY OF 1 PER SHELF. DA EFF:11/03/92 FE/RA:NONE	63	DA	L									
LABEL REQUIRED WHEN MORE THAN ONE LIST 9 IS EQUIPPED PER SHELF. REQUIRED FOR EACH LIST 9 EQUIPPED GREATER THAN QUANTITY OF 1 PER SHELF. DA EFF:11/03/92 FE/RA:NONE	62	DA	M									
LABEL REQUIRED IN ADDITION TO EACH LIST 10,10A EQUIPPED IN SHELF 0. LINE ENGR TO PROVIDE EQUIPPAGE POSITIONS TO SHOP FOR DESIGNATION LABEL STAMPING. DA EFF:12/30/98 FE/RA:NONE		DA	N									
LABEL REQUIRED IN ADDITION TO EACH LIST 10,10A EQUIPPED IN SHELF 1. LINE ENGR TO PROVIDE EQUIPPAGE POSITIONS TO SHOP FOR DESIGNATION LABEL STAMPING. DA EFF:12/30/98 FE/RA:NONE		DA	P									
LABEL REQUIRED IN ADDITION TO EACH LIST 9,9A,9B EQUIPPED IN SHELF 0. DA EFF:12/30/98 FE/RA:NONE	62	DA	Q									
LABEL REQUIRED IN ADDITION TO EACH LIST 9,9A,9B EQUIPPED IN SHELF 1. DA EFF:12/30/98 FE/RA:NONE	62	DA	R									
TABLE-A CONTINUED												

J5D003NA-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	
158H APPARATUS BLANK REQUIRED FOR SMPU MODEL 4. DA EFF:12/30/98 FE:J5D003NA-1,LF5	60	DA	S									
LABEL REQUIRED IN ADDITION TO EACH LIST 17 OR 17A EQUIPPED ON SIDE 0 WHEN EITHER PSU OR PSU2 INTERFACE SUPPORT IS REQUIRED. DA EFF:03/23/98 FE:J5D003NC-1,LAL		DA	T									
LABEL REQUIRED IN ADDITION TO EACH LIST 17 OR 17A EQUIPPED ON SIDE 1 WHEN EITHER PSU OR PSU2 INTERFACE SUPPORT IS REQUIRED. DA EFF:03/23/98 FE:J5D003NA-1,LAM		DA	U									
KIT REQUIRED TO MOUNT SMPU4 UNIT IN METRIC (GLOBAL PHASE II) CABINET. INCLUDES FUSES FOR STANDARD POWERING APPLICATIONS. ONE KIT REQUIRED IN ADDITION TO LISTS 1,1A,18 & 2,2A,19 USED TO MOUNT BOTH SHELVES OF SMPU4. (ONLY ONE LIST V IS REQUIRED WHEN BOTH LIST 1,1A,18 & 2,2A,19 ARE ORDERED.) DA EFF:12/30/98 FE:J5D003NA-1,LF3	53	DA	V						SD5D195-02	9,10		
KIT REQUIRED TO MOUNT SMPU4 UNIT IN METRIC (GLOBAL PHASE II) CABINET. INCLUDES FUSES FOR AUTO POWER RESTART (APR) APPLICATIONS. ONE KIT REQUIRED IN ADDITION TO LIST 1,1A,18 & 2,2A,19 USED TO MOUNT BOTH SHELVES OF SMPU4. (ONLY ONE LIST W IS REQUIRED WHEN BOTH LIST 1,1A,18 & 2,2A,19 ARE ORDERED.) DA EFF:12/30/98 FE:J5D003NA-1,LF4	53	DA	W						SD5D195-02	9,10	Z	
UNIT GUIDE KIT REQUIRED FOR UNIT MOUNTING IN METRIC (GLOBAL PHASE II) CABINET. TWO (2) REQUIRED IN ADDITION TO LIST V OR W. DA EFF:12/30/98 FE:J5D003NA-1,LG1		DA	X									
LABEL REQUIRED IN ADDITION TO EACH LIST 20 EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE/RA:NONE		DA	Y									
LABEL REQUIRED IN ADDITION TO EACH LIST 20 EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE/RA:NONE		DA	Z									
APPARATUS BLANK 150B. DA EFF:09/30/97 FE/RA:NONE		DA	B1									
APPARATUS BLANK 158A. DA EFF:09/30/97 FE/RA:NONE		DA	B2									
TABLE-A CONTINUED												

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5ESS SWITCHING EQUIPMENT SPECIFICATION FOR SWITCHING MODULE PROCESSOR UNIT MODEL 4	
DWG SIZE C2	ISSUE 66
LUCENT TECHNOLOGIES INC	J5D003NA-1
SHEET A12 OF 21	

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 BLANK 158B. DA EFF:09/30/97 FE/RA:NONE		DA	B3									
APPARATUS BLANK 158E. DA EFF:09/30/97 FE/RA:NONE		DA	B4									
APPARATUS BLANK 158G. DA EFF:09/30/97 FE/RA:NONE		DA	B5									
APPARATUS BLANK 158H. DA EFF:09/30/97 FE/RA:NONE		DA	B6									
LABEL REQUIRED IN ADDITION TO EACH LIST 5C EQUIPPED ON SIDE 0 AND 1 (KBN8B). LIST 5C IS REQUIRED TO BE EQUIPPED WHENEVER LIST 25A, LIST 26A, OR LIST 31A IS EQUIPPED. REPL:J5D003NA-1,LAH REPL:J5D003NA-1,LAJ	72 75		D20	1	ED5D075-11	130						
LABEL REQUIRED IN ADDITION TO EACH LIST 7D EQUIPPED ON SIDE 0 SIDE 1 (UN540B) TO SUPPORT EITHER 5E9(2)/5EE7(1) AND LATER IN VCDX-2000 APPLICATIONS. REPL:J5D003NA-1,LAA REPL:J5D003NA-1,LAB DA EFF:02/23/01 FE/RA:NONE	75	DA	D21	1	ED5D075-11	123						
LABEL REQUIRED IN ADDITION TO EACH LIST 17B EQUIPPED ON SIDE 0 AND 1 (UN395B) WHEN PSU/PSU2 SUPPORT IS REQUIRED AT 10MBPS OR 100MBPS. 5E11 AND LATER. REPL:J5D003NA-1,LAL REPL:J5D003NA-1,LAM	65 75		D22	1	ED5D075-11	132						
LABEL REQUIRED IN ADDITION TO LIST 6B WHEN TWO OR MORE LIST 10A ARE ORDERED, OR WHEN THE TOTAL QUANTITY OF LIST 10A AND LIST 20 EQUALS OR EXCEEDS TWO. REPL:NONE	55 68 75		D23	1	ED5D075-11	204						
FINAL ASSEMBLY KIT, ENGLISH (PHASE 1A) CABINET, STANDARD FUSING. REPL:J5D003NA-1,LF DA EFF:02/23/01 FE/RA:NONE	53 500	DA	F1	1								
FINAL ASSEMBLY KIT, ENGLISH (PHASE 1A), CABINET, AUTO POWER RECOVERY FUSING. REPL:J5D003NA-1,LG DA EFF:02/23/01 FE/RA:NONE	53 500	DA	F2	1								
FINAL ASSEMBLY KIT, METRIC (PHASE II) CABINET, STANDARD FUSING. REPL:J5D003NA-1,LV DA EFF:02/23/01 FE/RA:NONE	53 500	DA	F3	1								
FINAL ASSEMBLY KIT, METRIC (PHASE II) CABINET, AUTO POWER RECOVERY FUSING. REPL:J5D003NA-1,LW DA EFF:02/23/01 FE/RA:NONE	53 500	DA	F4	1								
APPARATUS BLANK KIT. ONE IS REQUIRED IN ADDITION TO EACH LIST 1A OR 18 & LIST 2A OR 19 THAT IS ORDERED. REPL:J5D003NA-1,LA REPL:J5D003NA-1,LB REPL:J5D003NA-1,LC REPL:J5D003NA-1,LD REPL:J5D003NA-1,LE REPL:J5D003NA-1,LS DA EFF:02/23/01 FE/RA:NONE	60 499	DA	F5	1								

TABLE-A CONTINUED

J5D003NA-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	
UNIT GUIDE FOR METRIC (PHASE II) CABINET. TWO ARE REQUIRED IN ADDITION TO EACH LIST F3 OR F4 THAT IS ORDERED. DA EFF:02/23/01 FE/RA:NONE	500	DA	G1									
CABLE KIT FOR VCDX/SM2000. PROVIDES ETHERNET LINK TO WORKSTATION AND CPI UPDATE CABLE. ALWAYS REQUIRED FOR VCDX/SM2000 CONFIGURATIONS. REPL:NONE DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	K1	1 1 1	ED5D765-12 ED5D765-12 ED5D765-12	7 8 9						
CABLE KIT FOR VCDX/SM2000. PROVIDES TWO (2) 25FT MODULAR CONNECTOR RS232 LINKS FROM CPI PADDLEBOARD TO WORKSTATION. USED IN ADDITION TO LIST K1 FOR NON-EMC CONFIGURATIONS. REPL:NONE DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	K2									
CABLE KIT FOR VCDX/SM2000. PROVIDES TWO (2) 50FT MODULAR CONNECTOR RS232 LINKS FROM CPI PADDLEBOARD TO WORKSTATION. USED IN ADDITION TO LIST K1 FOR NON-EMC CONFIGURATIONS. REPL:NONE DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	K3									
CABLE KIT FOR VCDX/SM2000. PROVIDES TWO (2) 25FT SHIELDED RS232 LINKS FROM CABLE RACK GROUND BULKHEAD TO WORKSTATION. ALSO PROVIDES TWO (2) 7FT MOD CONNECTOR RS232 LINKS FROM CPI PADDLEBOARD TO CABLE RACK. USED IN ADDITION TO LIST K1 FOR EMC TREATMENT APPLICATIONS. REPL:NONE DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	K4	2	ED5D765-11	7						
CABLE KIT FOR VCDX/SM2000. PROVIDES TWO (2) 50FT SHIELDED RS232 LINKS FROM CABLE RACK GROUND BULKHEAD TO WORKSTATION. ALSO PROVIDES TWO (2) 7FT MOD CONNECTOR RS232 LINKS FROM CPI PADDLEBOARD TO CABLE RACK. USED IN ADDITION TO LIST K1 FOR EMC TREATMENT APPLICATIONS. REPL:NONE DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	K5	2	ED5D765-11	8						
LABEL REQUIRED IN ADDITION TO EACH LIST 7C OR 7D EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE:J5D003NA-1,LD21		DA	AA									

TABLE-A CONTINUED

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5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
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66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET A13
OF 21

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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	
LABEL REQUIRED IN ADDITION TO EACH LIST 7C OR 7D EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE:J5D003NA-1,LD21		DA	AB									
LABEL REQUIRED IN ADDITION TO EACH LIST 24 EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE/RA:NONE	62	DA	AC									
LABEL REQUIRED IN ADDITION TO EACH LIST 24 EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE/RA:NONE	62	DA	AD									
EQUIPMENT REQUIRED FOR RS232 CABLE TERMINATION FOR VCDX CONFIGURATIONS. CONVERTS 8 PIN MODULAR CONNECTOR TO A 25 PIN D-SUB CONNECTOR. TWO REQUIRED. DA EFF:02/23/01 FE/RA:NONE	68 70 500	DA	AE									
LABEL REQUIRED IN ADDITION TO EACH LIST 25 OR 25A EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE/RA:NONE		DA	AF									
LABEL REQUIRED IN ADDITION TO EACH LIST 25 OR 25A EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE/RA:NONE		DA	AG									
LABEL REQUIRED IN ADDITION TO EACH LIST 5C EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE:J5D003NA-1,LD20		DA	AH									
LABEL REQUIRED IN ADDITION TO EACH LIST 5C EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE:J5D003NA-1,LD20		DA	AJ									
LIST ADDED TO MAINTAIN OFFICE RECORDS. PROVIDES FOR A UN540 MODIFIED TO SERIES 13 (13:13) DA EFF:08/02/95 FE/RA:NONE		DA	AK	1	SD5D195-01	4						
LABEL REQUIRED IN ADDITION TO EACH LIST 17B EQUIPPED ON SIDE 0 WHEN DUAL PSU AND PSU2 INTERFACE SUPPORT IS REQUIRED. REPL:J5D003NA-1,LT DA EFF:12/30/98 FE:J5D003NA-1,LD22		DA	AL									
LABEL REQUIRED IN ADDITION TO EACH LIST 17B EQUIPPED ON SIDE 1 WHEN DUAL PSU AND PSU2 INTERFACE SUPPORT IS REQUIRED. REPL:J5D003NA-1,LU DA EFF:12/30/98 FE:J5D003NA-1,LD22		DA	AM									
LABEL REQUIRED IN ADDITION TO THE FIRST LIST 12A OR 12B EQUIPPED ON SIDE 0 WHEN MULTICAST FEATURE IS REQUIRED. REPL:NONE DA EFF:12/30/98 FE/RA:NONE		DA	AN									
LABEL REQUIRED IN ADDITION TO THE FIRST LIST 12A OR 12B EQUIPPED ON SIDE 1 WHEN MULTICAST FEATURE IS REQUIRED. DA EFF:12/30/98 FE/RA:NONE		DA	AP									
LABEL REQUIRED IN ADDITION TO LIST 26A EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE/RA:NONE		DA	AR									

TABLE-A CONTINUED

J5D003NA-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	
LABEL REQUIRED IN ADDITION TO LIST 26A EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE/RA:NONE		DA	AS									
LABEL REQUIRED IN ADDITION TO LIST 27 EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE/RA:NONE	58	DA	AT									
LABEL REQUIRED IN ADDITION TO LIST 27 EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE/RA:NONE	58	DA	AU									
LABEL REQUIRED IN ADDITION TO LIST 31A EQUIPPED ON SIDE 0. DA EFF:12/30/98 FE/RA:NONE		DA	AV									
LABEL REQUIRED IN ADDITION TO LIST 31A EQUIPPED ON SIDE 1. DA EFF:12/30/98 FE/RA:NONE		DA	AW									

END OF TABLE-A

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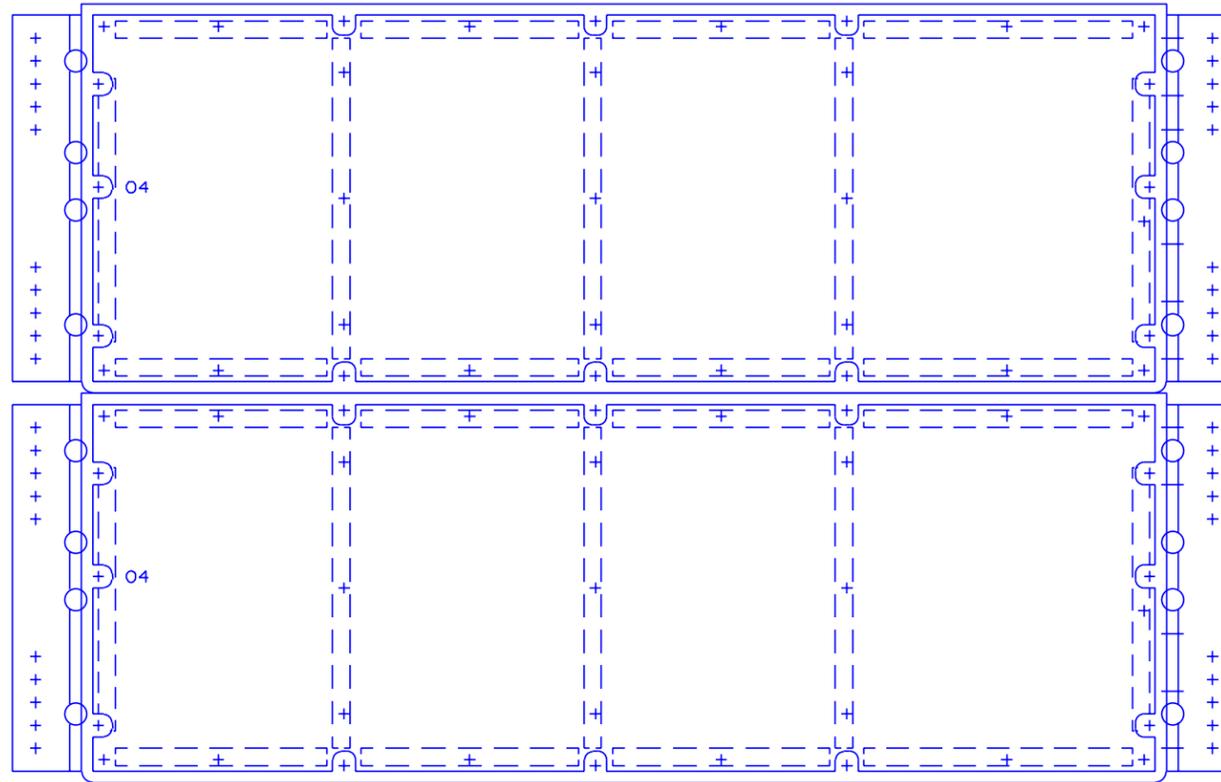
5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET A14 OF 21

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REAR VIEW



FRONT VIEW
FIG. 1

SHOWS TWO SEPARATELY MOUNTED
J5D003NA-1 UNITS USED IN A DUPLEX
APPLICATION LIST 1 PROVIDES SHELF 0
FUNCTION LIST 2 PROVIDES SHELF 1 FUNCTION

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SWITCHING MODULE PROCESSOR UNIT MODEL 4	DWG SIZE C2	ISSUE 35
	Lucent Technologies, Inc. J5D003NA-1 SHEET B1	

S H O P	I N S T	MANUFACTURING NOTES															
		***** CONTINUED *****															
		THAT CAN BE LABELED PER GROUP 91 OR GROUP 117. MULTIPURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION.															
X	X	34. EQL 130 IS A MULTIPURPOSE POSITION THAT CAN BE LABELED PER GROUP 164, GROUP 113, OR GROUP 132. WHEN LIST 11 OR 11A IS SPECIFIED THE REAR DESIGNATION STRIP WILL BE PRINTED PER GROUP 164. WHEN LIST 17, 17A OR 17B IS SPECIFIED THE REAR DESIGNATION STRIP WILL BE PRINTED PER GROUP 113. HOWEVER, IF LIST D22 IS SPECIFIED IN ADDITION TO LIST 17B, THE REAR DESIGNATION STRIP LABEL WILL BE PRINTED PER GROUP 132.															
X	X	35. HORIZONTAL EQL'S 138, 146, 154, AND 162 ARE ALWAYS EQUIPPED WITH THE SAME CIRCUIT PACK CODE. WHEN THE FIRST LIST 12, 12A OR 12B IS ORDERED, ALL GROWTH LOCATIONS MUST BE LABELED WITH GROUP 163 INFORMATION.															
X	X	36. HORIZONTAL EQL 088 IS A MULTIPURPOSE POSITION THAT CAN BE LABELED PER ED5D075-11, GROUP 180 OR GROUP 205. MULTIPURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED IN THAT LOCATION.															
X	X	37. LIST 33, BKJ2 (OPTION ZL) IS EQUIPPED ON THE WIRING SIDE OF SIDE 0 AND SIDE 1 BEHIND LIST 32, UN599 (APCO), IN SUPPORT OF THE OXU FEATURE. BKJ2 0, BKJ2 1, BKJ2 2, AND BKJ2 3 ARE REQUIRED TO PROVIDE OPTICAL INTERFACES FOR OXU1, OXU2, OXU2, AND OXU3, RESPECTIVELY, AND ARE EQUIPPED AS FOLLOWS:															
		<table border="1"> <thead> <tr> <th>OXU</th> <th>BKJ PADDLEBOARD</th> <th>EQL</th> </tr> </thead> <tbody> <tr> <td>OXU1</td> <td>BKJ2 0</td> <td>04-088-100</td> </tr> <tr> <td>OXU2</td> <td>BKJ2 1</td> <td>04-088-113</td> </tr> <tr> <td>OXU3</td> <td>BKJ2 2</td> <td>04-088-132</td> </tr> <tr> <td>OXU4</td> <td>BKJ2 3</td> <td>04-088-145</td> </tr> </tbody> </table>	OXU	BKJ PADDLEBOARD	EQL	OXU1	BKJ2 0	04-088-100	OXU2	BKJ2 1	04-088-113	OXU3	BKJ2 2	04-088-132	OXU4	BKJ2 3	04-088-145
OXU	BKJ PADDLEBOARD	EQL															
OXU1	BKJ2 0	04-088-100															
OXU2	BKJ2 1	04-088-113															
OXU3	BKJ2 2	04-088-132															
OXU4	BKJ2 3	04-088-145															
		EACH UNEQUIPPED OXU PORT MUST BE EQUIPPED WITH LIST 38, OXU BACKPLANE PADDLEBOARD (OPTION ZR). THESE PADDLEBOARDS ARE TO BE EQUIPPED AT THE SAME EQL'S AS LIST 33 (BKJ2).															
X	X	38. LIST 34, BKJ1 (OPTION ZM) IS EQUIPPED ON THE WIRING SIDE OF SIDE 0 AND SIDE 1 BEHIND LIST 32, UN599 (APCO), IN SUPPORT OF THE OXU FEATURE. BKJ1 0, BKJ1 1, BKJ1 2, AND BKJ1 3 ARE REQUIRED TO PROVIDE OPTICAL INTERFACES FOR OXU5, OXU6, OXU7, AND OXU8, RESPECTIVELY, AND ARE EQUIPPED AS FOLLOWS:															
		<table border="1"> <thead> <tr> <th>OXU</th> <th>BKJ PADDLEBOARD</th> <th>EQL</th> </tr> </thead> <tbody> <tr> <td>OXU5</td> <td>BKJ1 0</td> <td>04-088-400</td> </tr> <tr> <td>OXU6</td> <td>BKJ1 1</td> <td>04-088-413</td> </tr> <tr> <td>OXU7</td> <td>BKJ1 2</td> <td>04-088-432</td> </tr> <tr> <td>OXU8</td> <td>BKJ1 3</td> <td>04-088-445</td> </tr> </tbody> </table>	OXU	BKJ PADDLEBOARD	EQL	OXU5	BKJ1 0	04-088-400	OXU6	BKJ1 1	04-088-413	OXU7	BKJ1 2	04-088-432	OXU8	BKJ1 3	04-088-445
OXU	BKJ PADDLEBOARD	EQL															
OXU5	BKJ1 0	04-088-400															
OXU6	BKJ1 1	04-088-413															
OXU7	BKJ1 2	04-088-432															
OXU8	BKJ1 3	04-088-445															
		EACH UNEQUIPPED OXU PORT MUST BE EQUIPPED WITH LIST 38, OXU BACKPLANE PADDLEBOARD (OPTION ZR). THESE PADDLEBOARDS ARE TO BE EQUIPPED AT THE SAME EQL'S AS LIST 34 (BKJ1).															
X	X	39. LIST 35, 982CAG CONNECTOR, IS EQUIPPED ON THE WIRING SIDE AT 19-077-132.															
		LIST 36, 982CAH CONNECTOR, IS EQUIPPED ON THE WIRING SIDE AT 28-077-132.															
		40. LIST 37, 963E-2 CONNECTOR (OPTION ZQ), IS EQUIPPED ON THE WIRING SIDE OF LIST 1A OR 18 AND LIST 2A OR 19 TO INVOKE THE OXU OPTION MODE.															
		<table border="1"> <thead> <tr> <th>EQL POS</th> <th>ORIENTATION</th> <th>PIN CONNECTED</th> </tr> </thead> <tbody> <tr> <td>04-022-017</td> <td>HORIZONTAL</td> <td>04-023-017</td> </tr> </tbody> </table>	EQL POS	ORIENTATION	PIN CONNECTED	04-022-017	HORIZONTAL	04-023-017									
EQL POS	ORIENTATION	PIN CONNECTED															
04-022-017	HORIZONTAL	04-023-017															

S H O P	I N S T	MANUFACTURING NOTES						
		***** CONTINUED *****						
		CONNECTOR FOR VCDX-2000.						
		DIP SWITCH, S1 ON 982YP AND S2 ON 982YPA, IS USED IN ETHERNET ADDRESS CODING. EACH FEATURE HAS ITS OWN UNIQUE ADDRESS.						
		EQUIPPING THE 982YP/982YPA FOR VCDX-2000, THE ADDRESS DIP SWITCH FOR SIDE 0 (LIST 18) IS SET WITH SWITCH 1 OFF (OPEN), SWITCHES 2 - 8 ON (CLOSED). SWITCH SETTINGS FOR SIDE 1 (LIST 19) ARE SWITCH 1 ON (CLOSED), SWITCH 2 OFF (OPEN), SWITCHES 3 - 8 ON (CLOSED).						
		EQUIPPING THE 982YPA FOR REAL TIME CALL DETAIL OR PER CALL CONTROL OF BROADBAND ECHO CANCELLERS, THE DIP SWITCH SETTING FOR SIDE 0 (LIST 1A OR 18) IS SWITCHES 1 & 3 OFF (OPEN), SWITCHES 2, 4 - 8 ON (CLOSED). SWITCH SETTINGS FOR SIDE 1 (LIST 2A OR 19) IS SWITCHES 1, 4 - 8 ON (CLOSED) AND 2 & 3 OFF (OPEN).						
X	X	21. LIST 23, 9822DU PADDLEBOARD, TO BE EQUIPPED ON WIRING SIDE AT LOCATION 04-023-019. ASU CABLE ASSEMBLY ED5D678-12, GROUP 17 INSTALLED ON LATCHING HEADER AT REAR OF PADDLEBOARD.						
X	X	22. FOR EMC TREATMENT VCDX/SM2000 APPLICATIONS, INSTALL LIST AE'S ON 7' MOD CONNECTOR RS232 CABLES (ED5D765-40 G4 OR LIST K4,K5) AT THE CABLE RACK GROUND BULKHEAD PLATE. FOR NON-EMC VCDX/SM2000 APPLICATIONS, INSTALL LIST AE'S AT WORKSTATION SERIAL/PARALLEL INTERFACE BOX (ED5D768-12). REFERENCE SD5D534-01.						
X	X	23. LIST 28, 963E-2 CONNECTOR (OPTION ZH), IS EQUIPPED ON THE WIRING SIDE OF LIST 1A OR 18 AND LIST 2A OR 19 TO INVOKE THE XCDU OPTION MODE.						
		<table border="1"> <thead> <tr> <th>EQL POSITION</th> <th>ORIENTATION</th> <th>PIN CONNECTED</th> </tr> </thead> <tbody> <tr> <td>04-022-017</td> <td>HORIZONTAL</td> <td>04-023-017</td> </tr> </tbody> </table>	EQL POSITION	ORIENTATION	PIN CONNECTED	04-022-017	HORIZONTAL	04-023-017
EQL POSITION	ORIENTATION	PIN CONNECTED						
04-022-017	HORIZONTAL	04-023-017						
X	X	24. LIST 29, ED5D507-17 G116 (OPTION ZK), IS EQUIPPED ON THE WIRING SIDE OF LIST 1A OR 18 TO SUPPORT MEMORY GROWTH. CONNECT BETWEEN 04-068-100 AND 04-068-300.						
		LIST 30, ED5D507-17 G117 (OPTION ZK), IS EQUIPPED ON THE WIRING SIDE OF LIST 2A OR 19 TO SUPPORT MEMORY GROWTH. CONNECT BETWEEN 04-068-100 AND 04-068-300.						
X	X	25. BASIC FRONT AND REAR LABEL INFORMATION THAT IS ALWAYS REQUIRED FOR AN SMPU4 SIDE 0 UNIT SHELF ASSEMBLY THAT IS ACCOMPANIED BY A FINAL ASSEMBLY KIT.						
X	X	26. BASIC FRONT AND REAR LABEL INFORMATION THAT IS ALWAYS REQUIRED FOR AN SMPU4 SIDE 1 UNIT SHELF ASSEMBLY THAT IS ACCOMPANIED BY A FINAL ASSEMBLY KIT.						
X	X	27. WHEN THIS UNIT SHIPS FROM THE FACTORY EQUIPPED WITH A FINAL ASSEMBLY KIT, STAMP THE DESIGNATED LABEL INFORMATION AT HEQL'S 018 AND 178 EVEN IF THE CIRCUIT PACK LIST IS NOT ORDERED.						
X	X	28. WHEN THIS UNIT SHIPS FROM THE FACTORY EQUIPPED WITH A FINAL ASSEMBLY KIT, STAMP THE DESIGNATED LABEL INFORMATION AT HEQL 028 EVEN IF THE CIRCUIT PACK LIST IS NOT ORDERED.						
X	X	29. WHEN LIST 5, 5A, 5B, OR 5C IS SPECIFIED, THE REAR DESIGNATION STRIP LABEL WILL BE PRINTED PER GROUP 203. HOWEVER, IF LIST D20 IS SPECIFIED IN ADDITION TO LIST 5C, THE REAR DESIGNATION STRIP LABEL WILL BE PRINTED PER GROUP 130. WHEN THE UNIT SHIPS FROM THE FACTORY WITH A FINAL ASSEMBLY KIT AND LABEL FILM, STAMP THE DESIGNATED LABEL INFORMATION AT HEQL 077 EVEN IF THE CIRCUIT PACK LIST IS NOT ORDERED.						
X	X	30. HEQL 122 IS A MULTIPURPOSE POSITION THAT CAN BE LABELED PER GROUP 200 OR GROUP 204. MULTIPURPOSE POSITIONS ARE ONLY LABELED WHEN AN EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE EQUIPPED AT THAT POSITION. WHEN LIST 6B IS ORDERED WITHOUT LIST D23, THE LABEL WILL BE STAMPED PER GROUP 200. WHEN BOTH LIST 6B AND LIST D23 ARE ORDERED, THE LABEL WILL BE STAMPED PER GROUP 204.						
X	X	31. HEQL 036 IS A MULTIPURPOSE POSITION THAT CAN BE LABELED PER GROUP 202, GROUP 123, GROUP 125, GROUP 176, OR GROUP 185. MULTIPURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION. WHEN LIST 7, 7A, 7B, 7C, OR 7D IS SPECIFIED THE REAR DESIGNATION STRIP LABEL WILL BE PRINTED PER GROUP 202. HOWEVER, IF LIST D21 IS SPECIFIED IN ADDITION TO LIST 7D, THE REAR DESIGNATION STRIP LABEL WILL BE PRINTED PER GROUP 123. ORDERS REFLECTING LISTS 25B, 26C, OR 31A WILL RECEIVE STAMPING PER THEIR RESPECTIVE LABEL GROUPS IDENTIFIED IN THE "D9 TABLE".						
X	X	32. HORIZONTAL EQL'S 052 AND 060 ARE MULTIPURPOSE POSITIONS THAT CAN BE LABELED PER GROUP 93 OR GROUP 121. MULTIPLE PURPOSE POSITIONS ARE ONLY LABELED WHEN THE EQUIPMENT ORDER SPECIFIES THAT A CIRCUIT PACK IS TO BE INSTALLED AT THAT LOCATION.						
X	X	33. HORIZONTAL EQL'S 096, 104, AND 112 ARE MULTIPURPOSE POSITIONS						
		----- CONTINUED TO THE LEFT -----						

S H O P	I N 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.																
		12. UNASSIGNED.																
X	X	13. CABLE SUPPORTS LOCATED AT UPPER AND MIDDLE POSITIONS ON SIDE 1. CABLE SUPPORTS LOCATED AT UPPER, MIDDLE AND LOWER POSITIONS ON SIDE 0. THE CABLE SUPPORTS ARE INCLUDED AS ITEMS IN FINAL ASSEMBLY KITS 847019635 & 847022563 & 847401361 & 847401379.																
X	X	14. MESSAGE HANDLER PACKS (UN538) PER SHELF GROW FROM EQUIPMENT POSITIONS 096 (FIRST), 104 (SECOND) AND 112 (LAST).																
X	X	15. SEE TABLE AA FOR EQUIPPAGE POSITION OF APPARATUS BLANKS AND CIRCUIT PACKS FOR GROWTH SEQUENCE.																
X	X	16. REFER TO TABLE BB FOR INFORMATION ON REPLACEMENT FUSES.																
X	X	17. BOTH SHELVES 0 AND 1 ARE EQUIPPED WITH THE SAME APPARATUS AT THE EQUIPMENT POSITIONS LISTED IN THE STOCKLIST.																
X	X	18. 963E-2 CONNECTOR (LIST 13) IS A TWO PIN JUMPER CONNECTOR COVERING THE FOLLOWING PIN POSITIONS:																
		<table border="1"> <thead> <tr> <th>OPTION</th> <th>EQL POS</th> <th>ORIENTATION</th> <th>PIN CONNECTED</th> </tr> </thead> <tbody> <tr> <td>AUTO POWER RECOVERY (ZB)</td> <td>04-028-004</td> <td>VERT</td> <td>04-028-005</td> </tr> <tr> <td>30 CHANNEL E1 MODE (ZA)</td> <td>04-028-104</td> <td>VERT</td> <td>04-028-105</td> </tr> <tr> <td></td> <td>04-023-018</td> <td>HORIZ</td> <td>04-022-018</td> </tr> </tbody> </table>	OPTION	EQL POS	ORIENTATION	PIN CONNECTED	AUTO POWER RECOVERY (ZB)	04-028-004	VERT	04-028-005	30 CHANNEL E1 MODE (ZA)	04-028-104	VERT	04-028-105		04-023-018	HORIZ	04-022-018
OPTION	EQL POS	ORIENTATION	PIN CONNECTED															
AUTO POWER RECOVERY (ZB)	04-028-004	VERT	04-028-005															
30 CHANNEL E1 MODE (ZA)	04-028-104	VERT	04-028-105															
	04-023-018	HORIZ	04-022-018															
		JUMPERS ARE TO BE APPLIED TO BOTH SHELF 0 (LIST 1,1A,18) AND SHELF 1 (LIST 2,2A,19) OF THE SMPU4 UNIT FOR EACH OPTION.																
X	X	19. LIST 22,982YN, TO BE EQUIPPED ON THE WIRING SIDE AT LOCATION 04-086-000.																
X	X	20. LIST 21/21A, 982YP/982YPA (OPTION ZD), IS EQUIPPED ON THE WIRING SIDE OF LIST 18 AND LIST 19 BEHIND LIST 20, UN584 (MHEIB), AT 04-096-100 (MHO) IN SUPPORT OF THE "VCDX-2000" FEATURE.																
		LIST 21A, 982YPA (OPTION ZD), IS EQUIPPED ON THE WIRING SIDE OF LIST 1A OR 18 AND LIST 2A OR 19, BEHIND LIST 20, UN584 (MHEIB), AT 04-112-100 (MH2) IN SUPPORT OF THE "REAL TIME CALL DETAIL" FEATURE OR THE "PER CALL CONTROL OF BROADBAND ECHO CANCELLERS" FEATURE.																
		LIST 21A HAS A TOGGLE SWITCH (S3) TO SELECT THE APPROPRIATE FEATURE INTERFACE CIRCUITRY. THE TOGGLE IS "UP" TO SELECT THE RJ45 JACK FOR REAL TIME CALL DETAIL AND PER CALL CONTROL OF BROADBAND ECHO CANCELLERS, AND "DOWN" TO SELECT THE COAX																
		----- CONTINUED TO THE LEFT -----																

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2	ISSUE 66
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LUCENT TECHNOLOGIES INC	J5D003NA-1	SHEET D1 OF 21
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J5D003NA-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1000	1	1	846994937		ASSEMBLY,BASE UNIT (SIDE 0)			
1001	1A	1	847323623		ASSEMBLY,SHELF SMPU4, SIDE 0			
1002	18	1	847388048		ASSEMBLY,SHELF SMPU4, SIDE 0 WITH OPTION ZF			
1010	2	1	846994945		ASSEMBLY,BASE UNIT (SIDE 1)			
1011	2A	1	847323631		ASSEMBLY,SHELF SMPU4, SIDE 1			
1012	19	1	847388089		ASSEMBLY,SHELF SMPU4, SIDE 1 WITH OPTION ZF			
1020	F	1	847019635		KIT,FINAL ASSEMBLY		*/	13
1030	G	1	847022563		KIT,FINAL ASSEMBLY		*/	13
1040	V	1	847401361		KIT,FINAL ASSEMBLY		*/	13
1045	W	1	847401379		KIT,FINAL ASSEMBLY		*/	13
1050	A	1	104013743	150B	BLANK,APPARATUS POS 0			17
1060	B	1	104042106	158A	BLANK,APPARATUS POS 88			17
1070	C	1	104042163	158G	BLANK,APPARATUS POS 8			17
1080	D	1	104042114	158B	BLANK,APPARATUS POS 82			17
1090	E	1	104042148	158E	BLANK,APPARATUS POS 23,27,31,41,49,53,62,70,74,78			15 17
1092	S	1	104167531	158H	BLANK,APPARATUS POS 2			17
1093	F5	1	848193868		KIT,APPARATUS BLANK			15 17
1100	H	1	ED5D075-11,G88		LABEL (LEVEL 04) (FRONT)			
1110	J	1	ED5D075-11,G89		LABEL (LEVEL 13) (FRONT)			
1111	J	1	ED5D075-11,G103		LABEL			
1120	H	1	ED5D075-11,G90		LABEL			
1140	X	1	847286721		KIT,MOUNTING		*/	
1250	13	1	102898509	963E-2	CONNECTOR			17 18
1260	3	1	104060611	410AA	UNIT,POWER CLEI = PWPQACNA EQPT POS 04-018,04-178,			17
1261	3A	1	108133232	410AA2	UNIT CLEI = PWPQAS7A EQPT POS 04-018 & 04-178			17
1270	4	1	106704919	SN516B	PACK,CIRCUIT CLEI = E5PQADJA EQPT POS 04-028			17
1275	4A	1	107598146	SN516C	PACK,CIRCUIT CLEI = E5PQAPUA EQPT POS 04-028			17
1280	5	1	106442742	KBN8	PACK,CIRCUIT CLEI = E5PQAECA EQPT POS 04-077			17

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

J5D003NA-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1281	5A	1	106964711	KBN8	PACK,CIRCUIT FE CLEI=E5PQAGFA FE CLEI=E5PQAG1A CLEI = E5PQAJMA EQPT POS 04-077			17
1282	5B	1	107227142	KBN8	PACK,CIRCUIT FE CLEI=E5PQAN2A FE CLEI=E5PQALFA CLEI = E5PQAS6A EQPT POS 04-077			17
1283	5C	1	107510828	KBN8B	PACK, CIRCUIT BUS SERVICE NODE CLEI = E5PQA3WA EQPT POS 04-077 FE CLEI = E5PQA02A			17
1290	6	1	106442775	UN539	PACK,CIRCUIT FE CLEI=E5PQAR8A FE CLEI=E5PQAR8A FE CLEI=E5PQAHEA CLEI = E5PQATDA EQPT POS 04-122			17
1292	6A	1	107787731	UN539B	PACK,CIRCUIT ATC/ APPLICATION CONTRLLER CLEI = E5PQAS2A EQPT POS 04-122			17
1293	6B	1	108162454	UN539B	PACK,CIRCUIT APPLOCATION CONTROLLER (APC) CLEI = E5PQAWYA EQPT POS 04-122			17
1300	7	1	106442783	UN540	PACK,CIRCUIT CLEI = E5PQAEGA EQPT POS 04-036			17
1301	7A	1	106998412	UN540	PACK,CIRCUIT CLEI = E5PQAGZA EQPT POS 04-036			17
1302	7A	1	107047086	UN540	PACK,CIRCUIT CLEI = E5PQAH3A EQPT POS 04-036			17
1303	7B	1	107101545	UN540	PACK,CIRCUIT CLEI = E5PQAJZA EQPT POS 04-036			17
1304	7C	1	107345795	UN540B	PACK,CIRCUIT CLEI = E5PQAMYA EQPT POS 04-036			17
1305	7D	1	107560765	UN540B	PACK,CIRCUIT CLEI = E5PQAPGA EQPT POS 04-036			17
1310	9	1	106442759	TN1685	PACK,CIRCUIT CLEI = E5PQAEDA EQPT POS 04-044			17
1311	9A	1	107029225	TN1685	PACK,CIRCUIT CLEI = E5PQAHNA EQPT POS 04-044			17
1312	9B	1	107147118	TN1685	PACK,CIRCUIT FE CLEI=E5PQAKSA CLEI = E5PQALYA EQPT POS 04-044			17
1320	10	1	106442767	UN538	PACK,CIRCUIT FE CLEI=E5PQAEAA CLEI = E5PQAHPA			14 17
1321	10A	1	107073009	UN538	PACK,CIRCUIT FE CLEI= E5PQAJCA CLEI = E5PQATCA			14 17

STOCKLIST CONTINUED ON SHEET D3

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET D2 OF 21

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1330	12	1	104180237	UN71B	PACK,CIRCUIT CLEI = E5PQ45NAXX EQPT POS 04-138			17
1331	12A	1	107280422	UN71C	PACK,CIRCUIT CLEI = E5PQAMCA EQPT POS 04-138			17
1333	12B	1	107872293	UN71C	PACK,CIRCUIT,CONTROL INTERFACE 2 FE CLEI=E5PQATYA CLEI = E5PQAYLA EQPT POS 04-138			17
1340	11	1	106465263	MC5D095A-1	PACK,CIRCUIT,MICROCODED CLEI = E5MQAA7A (TN1042) EQPT POS 04-130			17
1341	11A	1	106791221	MC5D095A-1B	PACK,CIRCUIT,MICROCODED CLEI = E5MQAC2A (TN1042B) EQPT POS 04-130			17
1350	8	1	ED5D734-10,G50Z		ASSEMBLY, CABLE		*	
1351	8	1	ED5D734-40,G5		KIT, 5ESS		*	
1360	14	1	ED5D734-10,G503		ASSEMBLY, CABLE		*	
1361	14	1	ED5D734-40,G6		KIT, 5ESS		*	
1370	15	1	ED5D734-10,G504		ASSEMBLY, CABLE		*	
1371	15	1	ED5D734-40,G7		KIT, 5ESS		*	
1380	K	1	ED5D075-11,G91		LABEL			
1390	L	1	ED5D075-11,G92		LABEL			
1400	M	1	ED5D075-11,G93		LABEL			
1410	N	1	ED5D075-11,G91		LABEL			
1420	P	1	ED5D075-11,G101		LABEL			
1430	Q	1	ED5D075-11,G93		LABEL			
1440	R	1	ED5D075-11,G102		LABEL			
1450	16	1	103759098	982ET	CONNECTOR EQPT POS 04-086-000			17
1460	17	1	106950983	UN395	PACK,CIRCUIT CLEI = E5PQAJ5A EQPT POS 04-130			17
1461	17A	1	107637944	UN395	PACK,CIRCUIT CLEI = E5PQAPYA			17
1463	17B	1	107678559	UN395B	PACK,CIRCUIT CLEI = E5PQARCA EQPT POS 04-130			17
1470	T	1	ED5D075-11,G115		LABEL SIDE 0			
1475	U	1	ED5D075-11,G116		LABEL SIDE 1			
1480	20	1	107183691	UN584	PACK,CIRCUIT CLEI = E5PQAK6A EQUIP AT 04-096 FOR VCDX-2000 EQUIP AT 04-112 FOR RTCD			17
1490	Y	1	ED5D075-11,G117		LABEL SIDE 0			
1495	Z	1	ED5D075-11,G118		LABEL SIDE 1			
1500	21	1	106197957	982YP	CONNECTOR,ELECTRICAL ADAPTER			17 20
1501	21A	1	108076944	982YPA	CONNECTOR,ELECTRICAL, ADAPTER EQUIP AT 04-096-100 FOR VCDX-2000 EQUIP AT 04-112-110 FOR RTCD			17 20
1510	22	1	106197940	982YN	CONNECTOR,ELECTRICAL ADAPTER CLEI FE=E5PQAKHA CLEI = E5PQAWDA			17 19

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

J5D003NA-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1520	24	1	106501703	TN1806	PACK,CIRCUIT CLEI = E5PQAJ6A EQPT POS 04-044			17
1530	AA	1	ED5D075-11,G123		LABEL			
1535	AB	1	ED5D075-11,G124		LABEL			
1540	AC	1	ED5D075-11,G121		LABEL SIDE 0			
1545	AD	1	ED5D075-11,G122		LABEL SIDE 1			
1550	23	1	106708779	9822DU	CONNECTOR,ELECTRICAL			17 21
1560	AE	1	403602717		PLUG,TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.			22
1570	25	1	107057648	UN560	PACK,CIRCUIT CLEI = E5PQAH6A EQPT POS 04-036			17
1571	25A	1	107715955	UN560	PACK,CIRCUIT FE CLEI=E5PQAVFA FE CLEI=E5PQARZA CLEI = E5PQAW1A EQPT POS 04-036			17
1572	25B	1	108628389	UN560	PACK, CIRCUIT FE CLEI=E5PQALHA CLEI = E5PQA38A EQPT POS 04-036			17 31
1580	AF	1	ED5D075-11,G125		LABEL UN560 - SIDE 0			
1585	AG	1	ED5D075-11,G126		LABEL UN560 - SIDE 1			
1590	AH	1	ED5D075-11,G130		LABEL KBN8B - SIDE 0			
1595	AJ	1	ED5D075-11,G131		LABEL KBN8B - SIDE 1			
1600	AK	1	107561292	UN540	PACK,CIRCUIT CLEI = E5PQAPHA EQPT POS 04-036			17
1610	AL	1	ED5D075-11,G133		LABEL UN395B - SIDE 0			
1615	AM	1	ED5D075-11,G134		LABEL UN395B - SIDE 1			
1620	AN	4	ED5D075-11,G135		LABEL UN71C - SIDE 0			
1625	AP	4	ED5D075-11,G136		LABEL UN71C - SIDE 1			
1630	26	1	107756603	UN593	PACK,CIRCUIT CLEI = E5DTMF0A EQPT POS 04-036			17
1631	26A	1	108022385	UN593	PACK,CIRCUIT FE CLEI=E5DTMFCA MICROPROCESSOR CORE60 TURBO W/64MB MEMORY CLEI = E5DTEFDA EQUIP AT 04-036			17

STOCKLIST CONTINUED ON SHEET D4

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET D3 OF 21

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1632	26B	1	108628397	UN593	PACK,CIRCUIT MICROPROCESSOR CORE60 TURBO W/ 64MB MEMORY CLEI = E5DTEFHA EQUIP AT 04-036			17 31
1633	26C	1	109096180	UN593	PACK, CIRCUIT 64MB MEMORY LU CLEI = E5DTEFLA EQUIP AT 04-036			17
1640	AR	1	ED5D075-11,G176		LABEL UN593 - SIDE 0			
1645	AS	1	ED5D075-11,G177		LABEL UN593 - SIDE 1			
1650	K1	1	ED5D765-12,G7		CABLE, RG58/U		*	
1655	K1	1	ED5D765-12,G8		CABLE, RG58/U		*	
1660	K1	1	ED5D765-12,G9		CABLE, RG58/U		*	
1665	K1	1	107330839	MMD-1	CABLE ASSEMBLY,CORD 28GA, 8 CONDUCTOR, 14IN LG		*	
1670	K2	2	103786828	D8W-87	CORD 25 FT.		*	
1680	K3	2	103866109	D8W-87	CORD 50 FT.		*	
1690	K4	2	ED5D765-11,G7		CABLE, 5ESS-2000		*	
1695	K4	2	103786786	D8W-87	CORD 7 FT.		*	
1700	K5	2	ED5D765-11,G8		CABLE, 5ESS-2000		*	
1705	K5	2	103786786	D8W-87	CORD 7 FT.		*	
1800	27	1	107077026	UN555	PACK,CIRCUIT FE CLEI=E5PQAK3A CLEI = E5PQAXDA EQPT POS 04-088 FOR XCDU			17
1900	28,37	1	102898509	963E-2	CONNECTOR			17 23 40
1910	32	1	108389453	UN599	PACK,CIRCUIT APCO/ APPLICATION CONTROLLER CLEI = E5PQAZ6A EQUIP AT 04-088 FOR OXU			12 17 37 38
1920	33	1	108423138	BKJ2	PACK,CIRCUIT CPLI/ CONTROL PERIPHERAL LINK INTERFACE CLEI = E5PQAZEA			12 17 37
1930	34	1	108408808	BKJ1	PACK,CIRCUIT CPLI/ CONTROL PERIPHERAL LINK INTERFACE CLEI = E5PQAZAA			12 17 38
1940	35	1	108819244	982CAG	PADDLE,BACKPLANE CLEI = E5PQA2PA EQUIP AT 04-077-132			39
1950	36	1	108819251	982CAH	PADDLE,BACKPLANE CLEI = E5PQA2LA EQUIP AT 13-077-132			39
1960	38	1	109006668	96003-0003	PADDLE,BACKPLANE FCI PADDLEBOARD, BACKPLANE			17 37 38
2000	AT	1	ED5D075-11,G180		LABEL UN555 - SIDE 0			
2010	AU	1	ED5D075-11,G181		LABEL UN555 - SIDE 1			
2020	29	1	ED5D507-17,G116		ASSEMBLY, CABLE			24
2030	30	1	ED5D507-17,G117		ASSEMBLY, CABLE			24

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

J5D003NA-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
2040	31	1	107756611	UN594	PACK,CIRCUIT MICROPROCESSOR CORE60 MM W/ 64MB MEMORY CLEI = E5DTNF0A EQPT POS 04-036			17
2041	31A	1	108285479	UN594	PACK,CIRCUIT FE CLEI=E5DTNFFA FE CLEI=E5DTNFCA FE CLEI=E5DTNFCA CLEI = E5DTNFKA EQUIP AT POS 04-036			17
2050	AV	1	ED5D075-11,G185		LABEL UN594 - SIDE 0			
2060	AW	1	ED5D075-11,G186		LABEL UN594 - SIDE 1			
5000	500	1	847323623		ASSEMBLY,SHELF SMPU4, SIDE 0			
5010	501	1	847323631		ASSEMBLY,SHELF SMPU4, SIDE 1			
5020	515	1	847388048		ASSEMBLY,SHELF SMPU4, SIDE 0 WITH OPTION ZF			
5030	516	1	847388089		ASSEMBLY,SHELF SMPU4, SIDE 1 WITH OPTION ZF			
5040	F1	1	847019635		KIT,FINAL ASSEMBLY			*/ 13
5050	F2	1	847022563		KIT,FINAL ASSEMBLY			*/ 13
5060	F3	1	847401361		KIT,FINAL ASSEMBLY			*/ 13
5070	F4	1	847401379		KIT,FINAL ASSEMBLY			*/ 13
5080	G1	1	847286721		KIT,MOUNTING			*/
5090	B1	1	104013743	150B	BLANK,APPARATUS POS 0			17
5100	B2	1	104042106	158A	BLANK,APPARATUS POS 88			17
5110	B3	1	104042114	158B	BLANK,APPARATUS POS 82			17
5120	B4	1	104042148	158E	BLANK,APPARATUS POS 23,27,31,41,49,53,62,70,74,78			15 17
5130	B5	1	104042163	158G	BLANK,APPARATUS POS 8			17
5140	B6	1	104167531	158H	BLANK,APPARATUS POS 2			17
5150	511,512	1	102898509	963E-2	CONNECTOR			17 18
5160	513	1	103759098	982ET	CONNECTOR EQPT POS 04-086-000			17
5170	502	1	104060611	410AA	UNIT,POWER CLEI = PWPQACNA EQPT POS 04-018,04-178			17
5180	503	1	106704919	SN516B	PACK,CIRCUIT CLEI = E5PQADJA EQPT POS 04-028			17

STOCKLIST CONTINUED ON SHEET D5

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET D4 OF 21

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5185	503A	1	107598146	SN516C	PACK,CIRCUIT CLEI = E5PQAPUA EQPT POS 04-028			17
5190	504	1	107227142	KBN8	PACK,CIRCUIT FE CLEI=E5PQAN2A FE CLEI=E5PQALFA CLEI = E5PQAS6A EQPT POS 04-077			17
5192	504A	1	107510828	KBN8B	PACK, CIRCUIT BUS SERVICE NODE CLEI = E5PQA3WA EQPT POS 04-077			17
5200	505	1	106442775	UN539	PACK,CIRCUIT FE CLEI=E5PQAR8A FE CLEI=E5PQAR8A FE CLEI=E5PQAHEA CLEI = E5PQATDA EQPT POS 04-122			17
5202	505A	1	107787731	UN539B	PACK,CIRCUIT ATC/ APPLICATION CONTRLLER CLEI = E5PQAS2A EQPT POS 04-122			17
5210	506	1	107345795	UN540B	PACK,CIRCUIT CLEI = E5PQAMYA EQPT POS 04-036			17
5211	506A	1	107560765	UN540B	PACK,CIRCUIT CLEI = E5PQAPGA EQPT POS 04-036			17
5220	507	1	107147118	TN1685	PACK,CIRCUIT FE CLEI=E5PQAKSA CLEI = E5PQALYA EQPT POS 04-044			17
5230	508	1	107073009	UN538	PACK,CIRCUIT FE CLEI= E5PQAJCA CLEI = E5PQATCA			14 17
5240	509	1	106791221	MC5D095A-1B	PACK,CIRCUIT,MICROCODED CLEI = E5MQAC2A (TN1042B) EQPT POS 04-130			17
5250	510	1	104180237	UN71B	PACK,CIRCUIT CLEI = E5PQ45NAXX EQPT POS 04-138			17
5252	510A	1	107280422	UN71C	PACK,CIRCUIT CLEI = E5PQAMCA EQPT POS 04-138			17
5254	510B	1	107872293	UN71C	PACK,CIRCUIT,CONTROL INTERFACE 2 FE CLEI=E5PQATYA CLEI = E5PQAYLA EQPT POS 04-138			17
5260	514	1	106950983	UN395	PACK,CIRCUIT CLEI = E5PQAJ5A EQPT POS 04-130			17
5261	514A	1	107637944	UN395	PACK,CIRCUIT CLEI = E5PQAPYA			17
5263	514B	1	107678559	UN395B	PACK,CIRCUIT CLEI = E5PQARCA EQPT POS 04-130			17
5270	517	1	107183691	UN584	PACK,CIRCUIT CLEI = E5PQAK6A EQPT POS 04-096			17
5280	518	1	106197957	982YP	CONNECTOR,ELECTRICAL ADAPTER			17 20
5290	519	1	106197940	982YN	CONNECTOR,ELECTRICAL ADAPTER CLEI FE=E5PQAKHA CLEI = E5PQAWDA			17 19
5300	520	1	106708779	9822DU	CONNECTOR,ELECTRICAL			17 21
5310	521	1	106501703	TN1806	PACK,CIRCUIT CLEI = E5PQAJ6A			17
5320	522	1	403602717		PLUG,TERMINAL PRINTER F/3B2 #232-21-25-010 TRW INC.			22

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

J5D003NA-1

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
5330	523	1	107057648	UN560	PACK,CIRCUIT CLEI = E5PQAH6A EQPT POS 04-036			17
5331	523A	1	107715955	UN560	PACK,CIRCUIT FE CLEI=E5PQAVFA FE CLEI=E5PQARZA CLEI = E5PQAW1A EQPT POS 04-036			17
5340	524	1	107756603	UN593	PACK,CIRCUIT CLEI = E5DTMF0A EQPT POS 04-036			17
5341	524A	1	108022385	UN593	PACK,CIRCUIT FE CLEI=E5DTMFCA MICROPROCESSOR CORE60 TURBO W/64MB MEMORY CLEI = E5DTEFDA EQUIP AT 04-036			17
5350	525	1	107077026	UN555	PACK,CIRCUIT FE CLEI=E5PQAK3A CLEI = E5PQAXDA EQPT POS 04-088			17
5360	526	1	102898509	963E-2	CONNECTOR			17 23

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

APP BLNK EQUIP

POSITION NUMBER	APPARATUS BLANK TYPE	COMCODE
0	150B	104013743
2	158H	104167531
8	158G	104042163
23	158E	104042148
27	158E	104042148
31	158E	104042148
41	158E	104042148
49	158E	104042148
53	158E	104042148
62	158E	104042148
70	158E	104042148
74	158E	104042148
78	158E	104042148
82	158B	104042114
88	158A	104042106

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BT13

5ESS SWITCHING EQUIPMENT
SPECIFICATION FOR
SWITCHING MODULE PROCESSOR
UNIT MODEL 4

DWG SIZE C2 ISSUE 66

LUCENT TECHNOLOGIES INC J5D003NA-1

SHEET D5 OF 21

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

LIST	CODE	EQL	SEQUENCE	APP BLANK	POS
9, 9A, 9B	TN1685	04-052	1	158E	23
9, 9A, 9B	TN1685	13-052	2	158E	23
9, 9A, 9B	TN1685	04-060	3	158E	27
9, 9A, 9B	TN1685	13-060	4	158E	27
9, 9A, 9B	TN1685	04-068	5	158E	31
9, 9A, 9B	TN1685	13-068	6	158E	31
24	TN1806	04-052	1	158E	23
24	TN1806	13-052	2	158E	23
24	TN1806	04-060	3	158E	27
24	TN1806	13-060	4	158E	27
24	TN1806	04-068	5	158E	31
24	TN1806	13-068	6	158E	31
27	UN555	04-088	1	158E	41
27	UN555	13-088	2	158E	41
11, 11A	TN1042	04-130	1	158E	62
11, 11A	TN1042	13-130	2	158E	62
17	UN395	04-130	1	158E	62
17	UN395	13-130	2	158E	62
17A	UN395	04-130	1	158E	62
17A	UN395	13-130	2	158E	62
17B	UN395B	04-130	1	158E	62
17B	UN395B	13-130	2	158E	62
12	UN71B	04-146	1	158E	70
12	UN71B	13-146	2	158E	70
12	UN71B	04-154	3	158E	74
12	UN71B	13-154	4	158E	74
12	UN71B	04-162	5	158E	78
12	UN71B	13-162	6	158E	78
12A	UN71C	04-146	1	158E	70
12A	UN71C	13-146	2	158E	70
12A	UN71C	04-154	3	158E	74
12A	UN71C	13-154	4	158E	74
12A	UN71C	04-162	5	158E	78
12A	UN71C	13-162	6	158E	78
10, 10A	UN538	04-104	1	158E	49
10, 10A	UN538	13-104	2	158E	49
10, 10A	UN538	04-112	3	158E	53
10, 10A	UN538	13-112	4	158E	53

TABLE BB
REPLACEMENT FUSE ORDERING INFORMATION

COMCODE	DESCRIPTION
406747576	12 AMP FUSE. USED FOR STANDARD POWERING APPLICATIONS.
406808469	15 AMP FUSE. USED FOR APR POWERING APPLICATION.

TABLE D9

LIST	ASSOCIATED D LIST	ED GROUP FOR LABEL	NOTE
1, 1A, 18		ED5D075-11, G88 (FRONT) ED5D075-11, G195 (REAR)	25
2, 2A 19		ED5D075-11, G89 (FRONT) ED5D075-11, G196 (REAR)	26
3A		ED5D075-11, G189	27
4A		ED5D075-11, G201	28
5 5A 5B 5C 5C	D20	ED5D075-11, G203 ED5D075-11, G203 ED5D075-11, G203 ED5D075-11, G203 ED5D075-11, G130	29
6B 6B	D23	ED5D075-11, G200 ED5D075-11, G204	30
7 7A 7B 7C 7D 7D	D21	ED5D075-11, G202 ED5D075-11, G202 ED5D075-11, G202 ED5D075-11, G202 ED5D075-11, G202 ED5D075-11, G123	31
9B		ED5D075-11, G93	32
10A		ED5D075-11, G91	33
11A		ED5D075-11, G164	34
12B		ED5D075-11, G163	35
17 17A 17B 17B	D22	ED5D075-11, G113 ED5D075-11, G113 ED5D075-11, G113 ED5D075-11, G132	34
20		ED5D075-11, G117	33
24		ED5D075-11, G121	32
25B		ED5D075-11, G125	31
26C		ED5D075-11, G176	31
27		ED5D075-11, G180	36
31A		ED5D075-11, G185	31
32		ED5D075-11, G205	36