

ENGINEERING NOTES

51. GROUP INDEX

GROUP	SHEET	DESCRIPTION
1-12	C1	OVERALL CABLE LENGTHS
3A-6A	C3,4	CONNECTING & STAMPING INFO
3B-6B		
1N-12N	C2	OVERALL CABLE LENGTHS
3AN-6AN	C3,4	CONNECTING & STAMPING INFO
3BN-6BN		

52. IN TABLE "A" GROUPS SHOWING LETTER SUFFIX (I.E., 1A-84A) INDICATES A GROUP STRING OF THAT LETTER ONLY (I.E., 1A,2A,3A, ETC.)

53. CABLE LENGTHS SPECIFIED IN THE STOCK LIST (ROUNDED TO THE NEXT HIGHEST FOOT) ARE FOR BILL OF MATERIAL ONLY, AND NOT TO BE USED FOR CABLE LENGTH PREPARATION.

ISSUE NOTES (CONTINUED)

REPLACED 1051A CABLE WITH 1051B. S.L. ITEMS 1089, 1090, 1092 AND 1094. (CHEETAH) IN TABLE A, DA'ED GROUPS 1N THRU 12N, 3AN,4AN,5AN,6AN, 3BN,4BN,5BN AND 6BN.

ORIG ISS: 12/10/84 CHANGE CLASS: ME

DRAFT: PKK ENGR: PKK SUPV: CERTIFIED: 11/25/96 ISSUE: 9

ISSUE NOTES

ORIG ISS: 12/10/84 CHANGE CLASS:

DRAFT: DJP ENGR: REW SUPV: EJB VAULT: 12/10/84 ISSUE: 1

* DRAWING CONVERTED FROM SEDBS TO MDS COMPUTER SYSTEMS. *
 * THIS IS A MACHINE COPY OF THE LATEST SEDBS CERTIFIED ISSUE *
 * AND MAY CONTAIN MINOR DIFFERENCES. THE TABLE OF ASSOCIATED *
 * DRAWINGS WAS ELIMINATED DURING MIGRATION TO ASSIST THE *
 * SCRUBBING OF PROPRIETARY INFORMATION. *

IN TABLE 'S', 'B' & 'FB' DIM. CHANGED FOR GROUPS 1-12. NOTE 1 & 52 CHANGED.

ORIG ISS: 12/10/84 CHANGE CLASS: AD

DRAFT: DJP ENGR: REW SUPV: CERTIFIED: 02/26/86 ISSUE: 2

DWG RATING READ 'PROV'. IN S.L. ITEM 1010 LINED OUT. IN S.L. ITEMS 1012,1014,1016 ADDED. 963 TYPE CONN REPLACES 982 TYPE CONN ON A LINE OUT BASIS.

ORIG ISS: 12/10/84 CHANGE CLASS: AD

DRAFT: LMK ENGR: REW SUPV: CERTIFIED: 07/21/87 ISSUE: 3

GROUPS 3A,3B,4A,4B,5A,5B,6A AND 6B ADDED FOR CMFU.

ORIG ISS: 12/10/84 CHANGE CLASS: B

DRAFT: DSL ENGR: REW SUPV: CERTIFIED: 07/14/89 ISSUE: 4

IN S/L ITEM 1030 ADDED. ITEMS 1012,1014,1016 LINED OUT. THIS ISSUE INCLUDES OCW POINT ISSUES 4.1 & 4.2.

ORIG ISS: 12/10/84 CHANGE CLASS: M

DRAFT: HZP ENGR: FK SUPV: CERTIFIED: 10/04/90 ISSUE: 5

GROUPS WITH "N" SUFFIX ADDED FOR AMP CONN & 1051004A CABLE). TCED INFO INCORPORATED INTO THE ED; TCED AS WIRING DOCUMENT SUPERSEDED.

ORIG ISS: 12/10/84 CHANGE CLASS: ME

DRAFT: HZP ENGR: HZP SUPV: CERTIFIED: 07/07/93 ISSUE: 6

ENG. NOTE 51 AND GRAPHIC SHEETS C3 & C4 CHGD. STOCKLIST ITEMS 1060,1062,1064,1090,1092 & 1094 CHGD. STOCKLIST ITEMS 1066-1080 & 1096-1110 RMVD. THIS ISSUE ALSO INCLUDES OCW POINT ISSUE 6.1.

ORIG ISS: 12/10/84 CHANGE CLASS: ME

DRAFT: FK ENGR: FK SUPV: CERTIFIED: 06/30/94 ISSUE: 7

DRAWING UPDATED TO INCLUDE OCW POINT ISSUE 7.1.

ORIG ISS: 12/10/84 CHANGE CLASS: MF

DRAFT: FK ENGR: FK SUPV: CERTIFIED: 12/01/94 ISSUE: 8

SHEET INDEX

SHT NBR	A1 THRU A2				ISSUE	9														
SHT NBR	D1 THRU D1				ISSUE	9														
SHT NBR	C1	C2	C3	C4																
ISSUE	8	9	7	7																
SHT NBR																				
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ISSUE																				

TABLE D-LIST OF ASSOCIATED REFERENCES

NUMBER	TITLE
=ED4C251-10	PASTECH WIRING & CABLING
=ED4C249-10	STAMPING NUMBERING & LETTERING
=DENOTES NOT REQD BY INSTALLER	

LUCENT TECHNOLOGIES - PROPRIETARY
 USE PURSUANT TO COMPANY INSTRUCTIONS

KT13

SESS SWITCHING EQUIPMENT
 CABLE ASSEMBLIES
 FOR
 MANUAL OVERRIDE AND DIAGNOSTIC MULT
 ON CM2

DWG SIZE C2 ISSUE 9

LUCENT TECHNOLOGIES INC ED5D585-21 SHEET A1 OF 7

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
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W 963T CONN)			1 THRU 12								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	1N THRU 12N								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W 963T CONN)			3A THRU 6A								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W 963T CONN)			3B THRU 6B								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	3AN								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	3BN								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	4AN								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	4BN								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	5AN								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	5BN								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	6AN								
WIRING AND APPARATUS FOR A CONNECTORIZED CABLE ASSEMBLY (E/W AMP CONN) FE/RA:NONE DA EFP:11/25/96		DA	6BN								
END OF TABLE-A											

SEE PROPRIETARY NOTICE ON SHEET ONE

KT13

SESS SWITCHING EQUIPMENT
CABLE ASSEMBLIES
FOR
MANUAL OVERRIDE AND DIAGNOSTIC MULT
ON CM2

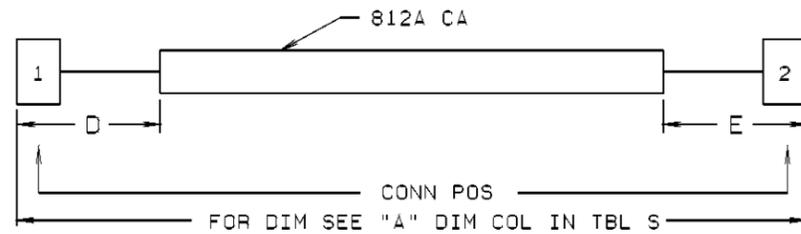
DWG SIZE C2
ISSUE 9

ED5D585-21

LUCENT TECHNOLOGIES INC ED5D585-21

SHEET A2
OF 7

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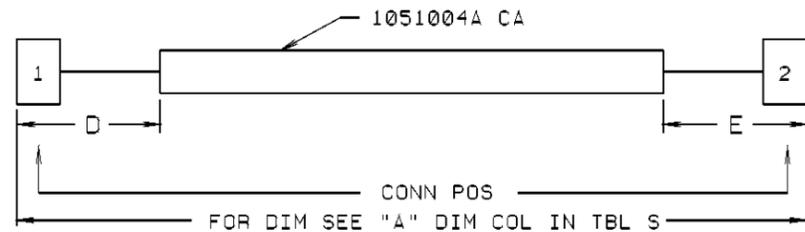
THE "A" DIM IS THE LENGTH OF SWBD CABLE FRONT OF CONN TO FRONT OF CONN.
 THE "D" AND "E" DIM ARE THE DIM FROM BUTT OF CABLE TO THE FRONT OF CONN.

SK.A
 (SEE TABLE S)

GROUP	CABLE CODE	"A" DIM		"A" DIM TOLERANCE		LENGTH FROM CABLE BUTT TO FRONT OF CONN				SK
						"D" DIM		"E" DIM		
						CM	FT-IN	CM	FT-IN	
1	812A	76.20	[2-06]	±1.5	[±1/2]	3.8	[0-1 1/2]	3.8	[0-1 1/2]	A
2		76.20	[2-06]	±1.5	[±1/2]					
3		139.70	[4-07]	±2.10	[±7/8]					
4		149.86	[4-11]	±2.25	[±7/8]					
5		149.86	[4-11]	±2.25	[±7/8]					
6		149.86	[4-11]	±2.25	[±7/8]					
7		149.86	[4-11]	±2.25	[±7/8]					
8		149.86	[4-11]	±2.25	[±7/8]					
9		149.86	[4-11]	±2.25	[±7/8]					
10		149.86	[4-11]	±2.25	[±7/8]					
11		149.86	[4-11]	±2.25	[±7/8]					
12		149.86	[4-11]	±2.25	[±7/8]					
3A		76.20	[2-06]	±1.5	[±1/2]					
3B		172.72	[5-08]	±2.59	[±1]					
4A		76.20	[2-06]	±1.5	[±1/2]					
4B		172.72	[5-08]	±2.59	[±1]					
5A		96.52	[3-02]	±1.5	[±1/2]					
5B		172.72	[5-08]	±2.59	[±1]					
6A		96.52	[3-02]	±1.5	[±1/2]					
6B		172.72	[5-08]	±2.59	[±1]					

ED5D585-21

SEE PROPRIETARY NOTICE ON SHEET ONE		
5ESS SWITCHING EQUIPMENT CABLE ASSEMBLIES	DWG SIZE	ISSUE
	C2	8
AT&T	ED5D585-21	SHEET C1



THE "A" DIM IS THE LENGTH OF SWBD CABLE FRONT OF CONN TO FRONT OF CONN.
 THE "D" AND "E" DIM ARE THE DIM FROM BUTT OF CABLE TO THE FRONT OF CONN.

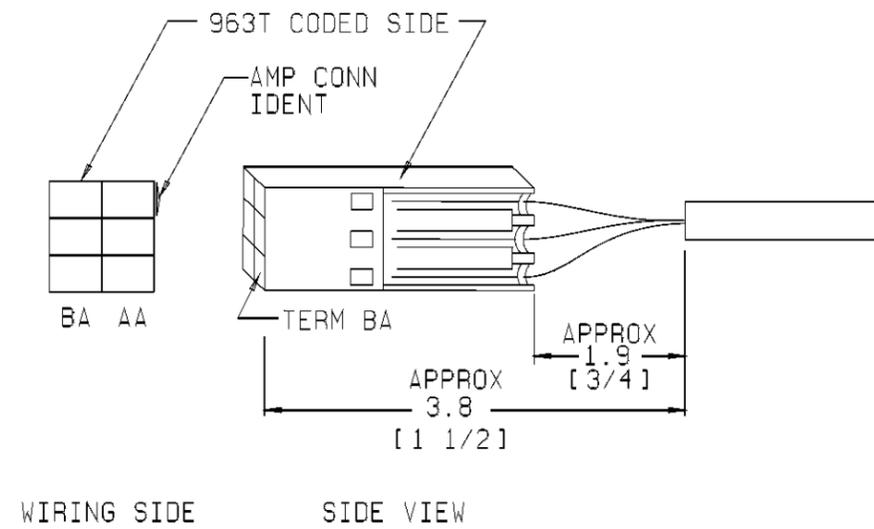
SK.A
 (SEE TABLE S)

TABLE S										
GROUP	CABLE CODE	"A" DIM CM FT-IN		"A" DIM TOLERANCE CM IN		LENGTH FROM CABLE BUTT TO FRONT OF CONN				SK
						"D" DIM		"E" DIM		
						CM	FT-IN	CM	FT-IN	
1N	1051B4/ 26RVA	76.20	[2-06]	±1.5	[±1/2]	3.8	[0-1 1/2]	3.8	[0-1 1/2]	A
2N		76.20	[2-06]	±1.5	[±1/2]					
3N		139.70	[4-07]	±2.10	[±7/8]					
4N		149.86	[4-11]	±2.25	[±7/8]					
5N		149.86	[4-11]	±2.25	[±7/8]					
6N		149.86	[4-11]	±2.25	[±7/8]					
7N		149.86	[4-11]	±2.25	[±7/8]					
8N		149.86	[4-11]	±2.25	[±7/8]					
9N		149.86	[4-11]	±2.25	[±7/8]					
10N		149.86	[4-11]	±2.25	[±7/8]					
11N		149.86	[4-11]	±2.25	[±7/8]					
12N		149.86	[4-11]	±2.25	[±7/8]					
3AN		76.20	[2-06]	±1.5	[±1/2]					
3BN		172.72	[5-08]	±2.59	[±1]					
4AN		76.20	[2-06]	±1.5	[±1/2]					
4BN		172.72	[5-08]	±2.59	[±1]					
5AN		96.52	[3-02]	±1.5	[±1/2]					
5BN		172.72	[5-08]	±2.59	[±1]					
6AN		96.52	[3-02]	±1.5	[±1/2]					
6BN		172.72	[5-08]	±2.59	[±1]					

ED5D585-21

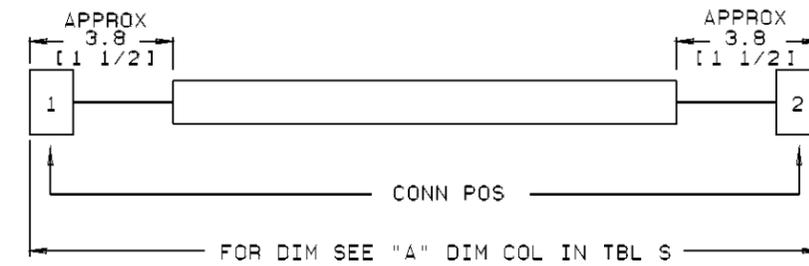
SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS SWITCHING EQUIPMENT CABLE ASSEMBLIES		
DWG SIZE C2	ISSUE 9	
LUCENT TECHNOLOGIES INC.	ED5D585-21	SHEET C2

963T-(), 963T2-() & AMP CONNECTOR
(2 X)



TYPICAL METHOD OF ASSEMBLING 963T-(), 963T2-() & AMP CONNECTOR (2 X) ON TO PREPARED CABLE END
FIG. 1

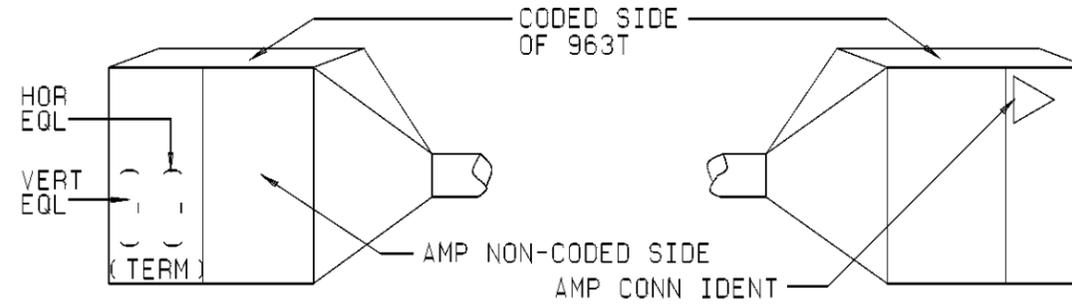
CONNECTING INFORMATION



CONN POS 1 & 2				
WIRING SIDE OF 2x3 CONN				
AMP CONN IDENT	COLOR	TERM	TERM	COLOR
		AA	BA	W-G
	W-BL	AB	BB	BL-W
	W-O	AC	BC	O-W

CODED SIDE OF 963T CONN

STAMPING INFORMATION



963T-6 OR RV125 AMP CONNECTOR (2 X 3)

STAMPING TABLE

GROUP	CONN POS	EQL	TERM	CAB	CONN POS	EQL	TERM	CAB
1, 1N	1	645-007	022		2	653-007	022	
2, 2N	1	545-007	022		2	553-007	022	
3, 3N	1	653-007	019		2	753-007	022	
3A, 3AN	1	653-007	019		2	662-007	022	
3B, 3BN	1	662-007	019		2	753-007	022	
4, 4N	1	553-007	019		2	453-007	022	
4A, 4AN	1	553-007	019		2	562-007	022	
4B, 4BN	1	562-007	019		2	453-007	022	
5, 5N	1	753-007	019		2	853-007	022	
5A, 5AN	1	753-007	019		2	762-007	022	
5B, 5BN	1	762-007	019		2	853-007	022	
6, 6N	1	453-007	019		2	353-007	022	
6A, 6AN	1	453-007	019		2	462-007	022	
6B, 6BN	1	462-007	019		2	353-007	022	
7, 7N	1	853-007	019		2	953-007	022	
8, 8N	1	353-007	019		2	253-007	022	
9, 9N	1	953-007	019		2	1053-007	022	
10, 10N	1	253-007	019		2	153-007	022	
11, 11N	1	1053-007	019		2	1153-007	022	
12, 12N	1	153-007	019		2	053-007	022	

GROUP 1 THRU 12, 3A THRU 6A, 3B THRU 6B
 GROUP 1N THRU 12N, 3AN THRU 6AN, 3BN THRU 6BN

SEE PROPRIETARY NOTICE ON SHEET ONE		
SESS SWITCHING EQUIPMENT CABLE ASSEMBLIES	DWG SIZE	ISSUE
	C2	7
AT&T	ED50585-21	SHEET C4

STOCKLIST								
ITEM NBR	LIST GROUP CODE	QTY PER CODE	PRODUCT IDENTIFIER	CODE	DESCRIPTION	REFERENCE POSITION	NOTE	
							SYM	NBR
1030	1, 2, 3, 3A, 3B, 4, 4A, 4B, 5, 5A, 5B, 6, 6A, 6B, 7, 8, 9, 10, 11, 12	2	105772784	963T-6	CONNECTOR			
1031	1, 2, 3, 3A, 3B, 4, 4A, 4B, 5, 5A, 5B, 6, 6A, 6B, 7, 8, 9, 10, 11, 12	4	106905425	TCOV-LS6G	COVER, PROTECTIVE			
1040	1N, 2N, 3N, 4N, 5N, 6N, 7N, 8N, 9N, 10N, 11N, 12N, 3AN, 3BN, 4AN, 4BN, 5AN, 5BN, 6AN, 6BN	2	406922161		CONNECTOR #966061-6 AMP INC.			
1050	1N, 2N, 3N, 4N, 5N, 6N, 7N, 8N, 9N, 10N, 11N, 12N, 3AN, 3BN, 4AN, 4BN, 5AN, 5BN, 6AN, 6BN	4	406884312		COVER, CONNECTOR #964393-3 AMP INC.			
1059	1, 2, 3A, 4A	1	105412530	812A-4/26	CABLE 26 GAGE A DIMENSION = 3 FEET 0 INCH			
1060	5A, 6A	1	105412530	812A-4/26	CABLE 26 GAGE A DIMENSION = 4 FEET 0 INCH			
1062	3, 4, 5, 6, 7, 8, 9, 10, 11, 12	1	105412530	812A-4/26	CABLE 26 GAGE A DIMENSION = 5 FEET 0 INCH			
1064	3B, 4B, 5B, 6B	1	105412530	812A-4/26	CABLE 26 GAGE A DIMENSION = 6 FEET 0 INCH			
1089	1N, 2N, 3AN, 4AN	1	107717449	#1051B4/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 3 FEET 0 INCH			
1090	5AN, 6AN	1	107717449	#1051B4/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 4 FEET 0 INCH			
1092	3N, 4N, 5N, 6N, 7N, 8N, 9N, 10N, 11N, 12N	1	107717449	#1051B4/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 5 FEET 0 INCH			
1094	3BN, 4BN, 5BN, 6BN	1	107717449	#1051B4/26RVA	CABLE, NON-CONNECTORIZED R A DIMENSION = 6 FEET 0 INCH			

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

SHO P
I N S T

MANUFACTURING NOTES

- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN METRICS (CM). EQUIVALENT INCH DIMENSIONS ARE ENCLOSED IN BRACKETS.
- DIMENSIONS 12 INCHES AND OVER ARE EXPRESSED IN FEET AND INCHES. ALL OTHER DIMENSIONS ARE IN INCHES.
- RESERVED.
- OVERALL CABLE LENGTH (DESIGNATED AS "A" DIM IN TBL S) IS THE LENGTH OF FINISHED CABLE MEASURED FROM THE FARTHEST TIP OF CONN AT ONE END OF THAT CABLE TO THE FARTHEST TIP OF CONN AT THE OTHER END.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS WILL HOLD A LENGTH TOLERANCE AS FOLLOWS:

METRIC LENGTH	TOLERANCE	ENGLISH LENGTH	TOLERANCE
0-1 M	+/-1.5 CM	{ZERO TO 3'-4"	+/-0.5"}
1 M AND UP	+/-1.5%	{3'-4" & UP	+/-1.5%
- RESERVED.
- AA, AB, BA, BB ETC., ARE TERMINAL REFERENCE ONLY. DO NOT STAMP THESE ON BACKPLANE CONNECTORS.
- BL-W/W-BL ETC., INDICATES PAIRED LEADS. COLOR AT LEFT OF SLASH INDICATES COLOR OF LEAD TO BE CONNECTED. COLOR AT RIGHT OF SLASH IS THE COLOR OF THE OTHER LEAD IN THE PAIR.
- () INDICATES DESIGNATIONS TO BE STAMPED IN ACCORDANCE WITH JOB INFORMATION.
- EQL (EQUIPMENT LOCATION) SHOWN IN THE STAMPING TABLE IS IDENTIFIED AS FOLLOWS:

(VERT) (HOR)
119 - 042
- REFER TO LOCAL MANUFACTURING DOCUMENTATION FOR SPECIFICS.
- CUT UNUSED WIRES BACK TO SHEATING.

SEE PROPRIETARY NOTICE ON SHEET ONE

KT13

SESS SWITCHING EQUIPMENT
CABLE ASSEMBLIES
FOR
MANUAL OVERRIDE AND DIAGNOSTIC MULT
ON CM2

DWG SIZE C2
ISSUE 9

ED5D585-21

LUCENT TECHNOLOGIES INC ED5D585-21

SHEET D1 OF 7