31.5

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TABLE A

SD & T DWG ISSUES ARE IN AGREEMENT AS FOLLOWS:

SD-1C297-01 ISSUE	14	15	15 MOD	17	17.	17	17	18	19	18 MOD	20	20	
T-1C297-12 ISSUE	14	15	16	17	18	19	20	21	22	23	24	25	

SHEET INDEX

SECTION A			SECTION B			SECTION C							
AUTO CHG	SHEET	ISS	SHEET	ISS	SHEET	ISS	SHEET	ISS	SHEET	ISS	SHEET	ISS	SHEET	ISS
AG18	A1	25	B1	25	B61		C1	25	C61		C121		C181	
AG18	A2	24	B2	25	B62		C2	25	C62		C122		C182	
AG19	A3	21	B3	25	B63		C3	25	C63		C123		C183	
AG19	A4	22	B4	X	B64		C4	X	C64		C124		C184	
	A5	22	B5		B65		C5		C65		C125		C185	
AG19	A6	24	B6		B66		C6		C66		C126		C186	
	A7	X	B7		B67		C7		C67		C127		C187	
	A8		B8		B68		C8		C68		C128		C188	
	A9		B9		B69		C9		C69		C129		C189	
	A10		B10		B70		C10		C70		C130		C190	
	A11		B11		B71		C11		C71		C131		C191	
	A12		B12		B72		C12		C72		C132		C192	
	A13		B13		B73		C13		C73		C133		C193	
	A14		B14		B74		C14		C74		C134		C194	
	A15		B15		B75		C15		C75		C135		C195	
	A16		B16		B76		C16		C76		C136		C196	
	A17		B17		B77		C17		C77		C137		C197	
	A18		B18		B78		C18		C78		C138		C198	
	A19		B19		B79		C19		C79		C139		C199	
	A20		B20		B80		C20		C80		C140		C200	
	A21		B21		B81		C21		C81		C141		C201	
	A22		B22		B82		C22		C82		C142		C202	
	A23		B23		B83		C23		C83		C143		C203	
	A24		B24		B84		C24		C84		C144		C204	
	A25		B25		B85		C25		C85		C145		C205	
	A26		B26		B86		C26		C86		C146		C206	
	A27		B27		B87		C27		C87		C147		C207	
	A28		B28		B88		C28		C88		C148		C208	
	A29		B29		B89		C29		C89		C149		C209	
	A30		B30		B90		C30		C90		C150		C210	
	A31		B31		B91		C31		C91		C151		C211	
	A32		B32		B92		C32		C92		C152		C212	
	A33		B33		B93		C33		C93		C153		C213	
	A34		B34		B94		C34		C94		C154		C214	
	A35		B35		B95		C35		C95		C155		C215	
	A36		B36		B96		C36		C96		C156		C216	
	A37		B37		B97		C37		C97		C157		C217	
	A38		B38		B98		C38		C98		C158		C218	
	A39		B39		B99		C39		C99		C159		C219	
	A40		B40		B100		C40		C100		C160		C220	
	A41		B41		B101		C41		C101		C161		C221	
	A42		B42		B102		C42		C102		C162		C222	
	A43		B43		B103		C43		C103		C163		C223	
	A44		B44		B104		C44		C104		C164		C224	
	A45		B45		B105		C45		C105		C165		C225	
	A46		B46		B106		C46		C106		C166		C226	
	A47		B47		B107		C47		C107		C167		C227	
	A48		B48		B108		C48		C108		C168		C228	
	A49		B49		B109		C49		C109		C169		C229	
	A50		B50		B110		C50		C110		C170		C230	

ENGINEERING NOTES (CONT'D)

76. MODIFICATION CONSISTS OF INCLUDING CR107 DIODE SHOWN ON LDI 17A FOR 18AC, CKT PACK STRAPPING PER SD NOTE 204 IS ASSIGNED YJ OPTION AND COVERED BY MANUFACTURING NOTE 9. YD APPARATUS IS SD OPTION YB. YC WIRING AND APPARATUS IS SD SHEET B8 YA OPTION.

76A. MODIFICATION CONSISTS OF APPLYING LDI 18A & 18B SCHEDULED FOR SD ISSUE 19B AND ASSIGNING YN OPTION TO THE CAIO COMPONENT ASSEMBLY. YO OPTION IS DESIGNATED FOR A LEAD FROM 3(STR) REL TO 1M (DIN) REL AND 1 (DIN) REL TO 10 (RTT) REL PER AGREEMENT BETWEEN J. QUACKENBUSH, BTL AND H. BAKER, 20630 DATED 8-22-84.

TABLE E

FEATURE TABLE (SEE NOTES 52,53)

ITEM COL	.SD ISS EA	DESCRIPTION EB		SPECIFY FIG EC	SPECIFY WRG ED	SPECIFY APP EE	SPECIFY QTY EF	AUTO OPT EG	REMARKS EH
1		COIN STATION TEST LINE CIRCUIT		1	G	ZD	1		SEE NOTE 58
2		CALIBRATION DIAGNOSTIC		4 (1)	ZO ZO	ZO	1		
A		+48 VOLT OFFICE SUPPLY AVAILABLE (NO. 5 ESS WITH YL WRG HAS +48V SUPPLY)	YES (AND YL WRG IS PROVIDED)	(1,H1 OR H2)	V	V	1		
B			NO	(H2) (1)	OMIT V W	W	1		
C		TOUCH-TONE COIN STATIONS TO BE TESTED		(1)	X	X	1		
D		DIAL TONE ATTENUATOR: STEP BY STEP WITH TOUCH-TONE AND PANEL, CROSSBAR AND ESS OFFICES WITH OR WITHOUT TOUCH-TONE.		(1)	Q		1		
E		DIAL TONE ATTENUATOR: STEP BY STEP NO.1 , NO. 350A, NO. 355A, NO. 360A, 35E97 OFFICE WITHOUT TOUCH-TONE		(1)	T		1		
F		WHEN COLLECT BATTERY IS NEGATIVE AND RETURN BATTERY IS POSITIVE.		(1) (1)	H G		1 OMIT 1		
G		USED IN STEP BY STEP OFFICES WITH DIAL TONE FIRST OR IN NO. 1 CROSSBAR OR PANEL OFFICE.		(1),H1	Y,B		1		
H		USED IN NO. 5 CROSSBAR OFFICE.		(1),H2	B,N,Z	Z	1		
J		USED IN NO. 1 ESS OFFICE.			B,F,M	F	1		SEE ITEM AW
K		USED IN NO. 2 ESS OFFICE.			E,F,M	F	1		SEE ITEM AW
L		USED IN STEP BY STEP WITHOUT DIAL TONE FIRST.		(1),H1	B,S,Y		1		
M		USED IN NO. 35E97 STEP BY STEP OFFICE			B,R,Y		1		
N		DISTRIBUTING FRAME TERMINATIONS FOR CONNECTING TO	CROSSBAR NO. 1 OR STEP BY STEP	H3			1		
P			PANEL OR STEP BY STEP	H4			1		
R			TRAFFIC REGISTER	H5			1		1 PER 10 CIRCUITS
S			TRANSMISSION TEST COUPLER (NO.1 OR 2 ESS) .(SEE NOTE 61)	H6			1		
T (MD)		TO PROVIDE MESSAGE REGISTER GROUND LEADS FOR INDIVIDUAL TEST DIGITS.		(1)	ZE		1		
U		USED IN ~~PANEL AND~~ CROSSBAR NO. 1		(1)	N		1		
V		USED IN STEP BY STEP OR NO. 5 ESS OFFICES.		(1)	M		1		
W	11B	TO ELIMINATE THE DROPPING OF A TROUBLE CARD IN A NO. 1 CROSSBAR OFFICE		(1)	ZH	ZH	1		
X	13B	TO ADD NEW GROUND & LOOP FOREIGN POTENTIAL TEST SEQUENCE AND TO ADD INTERLOCK CIRCUIT TO PREVENT THE OPERATOR FROM RECEIVING "TEST OK" ANSWERS WHEN CIRCUIT PACKS ARE NOT CONND.		3 (1)	ZK ZK	ZK ZK	1 1	ZJ ZJ &YD	NOTE 63
Y		TO PROVIDE MESSAGE REGISTER GROUND LEADS FOR INDIVIDUAL TEST DIGITS. (~~NON ESS~~ OFFICES)		(1)	~~ZN~~ ZN		1	ZE	
Z	14B	CALIBRATION DIAGNOSTIC CIRCUIT: NO. 1 CROSSBAR OFFICE		(4)	ZT	ZT	1		
AA		NO. 5 CROSSBAR OFFICE		(4)	ZU	ZU	1		
AB		NO. 1 ESS OFFICE		(4)	ZU	ZU	1		
AC		NO. 2 ESS OFFICE		(4)	ZU	ZU	1		
AD		STEP BY STEP: WITHOUT DIAL TONE FIRST		(4)	ZS	ZS	1		
AE		STEP BY STEP: WITH DIAL TONE FIRST	WITH SD-32539-01 COIN TRUNK	(4)	ZS	ZS, ZR	1		
AF			OTHERS	(4)	ZS	ZS	1		
AH	16BU	LOOP RESISTANCE MARGINAL RESPONSE		(1)	ZX	ZX, ZZ	1	ZW, ZY	
AG		AND ZK WRG(ITEM X) IS NOT PROVIDED		(1)	YJ		1		SEE NOTE 62
AP	16BU	PROVIDES DISCONNECT FUNCTION IN NON ESS OFFICES		(1)	YA		1		
AQ	16BU	PROVIDES ICGD DIODE PROTECTION WHEN FEMF (ITEM X) IS NOT PROVIDED		(1)	YC	YC	1	YB	

CONT ON SH A6

ENGINEERING NOTES

51. SEE TABLE A FOR DRAWING FROM WHICH THIS DRAWING IS MADE.

52. ITEMS DESIGNATED WITH NUMBERS ARE COMMON FEATURES. ITEMS DESIGNATED BY LETTERS ARE OPTIONAL FEATURES.

53. ITEMS DESIGNATED WITH AN ASTERISK IN TABLE E CONTAIN FIGURES OR OPTIONS REQUIRED BUT NOT COVERED ON ASSOCIATED STANDARD EQUIPMENT MANUFACTURING DRAWING.

54. EQUIPMENT ARRANGEMENT: J93025A-2, ED-1C707-30

55. CONNECTING DRAWING:

RINGING AND TONE PLANT	T-81737-
TRANSMISSION TEST COUPLER (ESS)	T-1A302-11
SIGNAL CIRCUIT DIAL TONE SUPPLY FOR TOUCH-TONE 3 OR 4 WIRE SELECTOR	T-81983-30 T-616184 T-532184
DPTS MULT CIRCUIT	T-616954
MISCELLANEOUS INTERRUPTER CIRCUIT	T-31606-
DISTRICT OR OFF SELECTOR	T-21630-
MISCELLANEOUS CIRCUIT	T-21666- T-21667
OFF LINK AND CONNECTOR	T-25033-
INTERRUPTER FRAME CIRCUIT OR SIGNAL SUPPLY	T-25062-17
TRUNK LINK	T-26032- T-27879-
PRTD CIRCUIT	T-25599- T-27860-
MISCELLANEOUS INTERRUPTER	T-25814-
MISCELLANEOUS CIRCUIT	T-25574-
TRAFFIC REGISTER	T-30896-
TRAFFIC USAGE RECORDER	T-95738-13
TOUCH-TONE CALLING RECEIVER	T-98148-11
TRUNK LINK AND CONNECTOR	T-25549-
TONE CIRCUIT	T-81652-
RINGING CIRCUIT	T-81605-
RINGING AND TONE CIRCUIT	T-81870-
TRK APPLICATION CKT	T-27163-11
MISC ALM CKT	T-31974-14
ASSIGNMENT RULES	T-5D007-

56. FOR CONNECTION OF TONE LEADS TO RESPECTIVE OFFICES SEE TABLE J.

57. FOR STEP BY STEP OFFICES EQUIPPED WITH TOUCH-TONE USE TT3 IN PLACE OF LT- LEAD FOR DIAL TONE WITH "Q" OPTION. FOR ALL OTHER OFFICES EQUIPPED WITH TOUCH-TONE EXCEPT ESS USE TT OR TT1 IN PLACE OF LT- LEAD FOR DIAL TONE WITH "Q" OPTION.

58. THE 115 VOLT ALTERNATING CURRENT CORD AND PLUG REQUIRED FOR THIS CIRCUIT ARE PROVIDED AS PART OF FIG 1 INTERNAL (SHOP) WIRING AND J93025A-2 LIST 8.

59. UNLESS OTHERWISE SPECIFIED, WHEN THIS CIRCUIT IS PROVIDED IN AN ESS OFFICE, ALL SWITCHBOARD CABLE SHALL BE RUN IN CABLE SHIELD 3.

60. DISREGARD 1/2 AMP FUSE FOR LT2 SUPPLY IN 355A OFFICES.

61. CABLING MAY BE PROVIDED DIRECTLY TO FIGURE 1 FROM THE TRANSMISSION TEST COUPLER WHEN BOTH CIRCUITS ARE IN THE SAME OFFICE.

62. WHEN ZZ APP (CPS1246B) IS PROVIDED IN AN OFFICE WHICH DOES NOT HAVE ZK WRG (ITEM X) INSTALLER SHALL STRAP CKT PACK TERMINALS PER OPTION YJ. SEE NOTE9.

63. YD OPTION CPA965 WAS PART OF OPTION ZJ.

64. OPTION HCB DENOTES COSMIC II DISTRIBUTING FRAME BLOCK TERMINATION. ARRANGEMENT OF LEADS PER TABLE L FOR TERMINATING ON COSMIC II DF SHALL BE PER SD-97773-01.

65. **WHEN POWER AND TONE SUPPLY IS NOT AVAILABLE FOR USE BY THE COIN STATION TEST LINE, IT SHALL BE PROVIDED BY ADDING J93025C-1 CSTL PWR AND TONE UNIT AND SHOULD BE ADDED DIRECTLY BELOW THIS UNIT WHEN POSSIBLE.**

66. WHEN THIS UNIT IS USED IN A NO 5 ESS OFFICE WHICH DOES NOT HAVE THE CSTL POWER AND TONE UNIT (J93025C-1) IT WILL BE NECESSARY TO MAINTAIN OR CONNECT THE POWER AND TONE LEADS TO THE EQUIPMENT PROVIDED IN THE OFFICE. THERE IS NO OPTION FOR THIS ARRANGEMENT, THEREFORE A NOTE IS REQUIRED ON THE WIRING LIST.

67. YK APPARATUS SHOULD ONLY BE PROVIDED WHEN THE CONDITIONS OF SD-1C297-01 NOTE 11B APPLY AND YX APPARATUS IS NOT PROVIDED.

(ENGINEERING NOTES CONT'D AT LEFT)

NDD-93025CG-5 10-17-74

RAW 46 EGK RJM 1

SH A1, TBL E, ITEM H, COL ED, "N" WAS READ "M" WAS, ITEM J: IN NOTE 55 REF TO "RINGING & TONE PLT" IN NOTE 57 REF TO "EXCEPT ESS"; & NOTE 59; ADDED. 3-12-75 CL B

JRH DMK R.J.M. 2

ON SH A1, NOTE 55; SH A3 & SH A4 (C) TS REF TO DPTS MULT CKT ADDED. SH A4, 55 (C) TS, Y, Z OPT ADDED. 8-19-75 CL D

E.T. DMK J.E.S. 3

IN FIG. 1, SH A4, (R) RES LP & ASSOC FUSE REF TO "1 PER 10 CKT" ADDED. ON "RA OR RC" LEAD REF TO "1 PER 5 CKT" ADDED. 10-15-75 CL D

WMP DMK J.E.S. 4

SH A1, TBL E, ITEMS J & K REF TO "FAPP ADDED. SH A4 FIG. 1 LEADS MD2-MD5, "MULT TO OTHER FIG. 1 (MAX 3) & ASSOC CHANGE ON SH A5, FIG. H5; ADDED. 4-26-76 CL B

RPB DMK J.E.S. 5

MISC CHANGES MADE. 11-12-76 CL D

DMK DMK J.E.S. 6

IN FIGURE 1, REFERENCE TO LEAD DESIGNATION EG ADDED ON 28(A) TERMINAL STRIP 11-12-76 CL D

DMK JH1 RJR 7

IN FIG. 1 LEADS FROM TERMINALS 44 & 54 TO INT CKT REF TO "SHIELD 4 CABLE" FOR ESS ADDED 3-8-77 CL D

WRM RJR J.E.S. 8

IN NOTICE 8 (1) REF TO (A8) READ (A9) REF TO GROUND TRACER ASSOCIATED WITH RED WIRE READ ASSOCIATED BARE WIRE. 9-14-77 CL D

MR DMK J.E.S. 9

SHEET A4, FIGURE 1 LEAD FROM TERM 16 TO RES LP WAS NOT DESIGNATED (ESS CABLE SHIELD 4). 12-15-77 CL D

RJR DMK J.E.S. 10

IN FIG. 1, "FT" LEAD "FROM TRK APPLICATION CKT" READ "TO TRK APPLICATION CKT". 3-22-78 CL D

RJR J.E.S. 11

TABLE E, ITEMS X & Y; NOTE 60; ADDED. 12-14-78 CL B

DMK JWD 12

IN NOTE 55, REF ADDED TO T-31974-14. IN FIG 1, BL LEADS ON 56 (A) T.S. REPLACED BY G LEADS. 8-7-79 CL D

GSK DMK RJR 13

OPTIONS ZO, ZR, ZS, ZT, ZU, ZV ADDED. 9-13-79 CL BU

RJD DMK J.E.S. 14

CHANGES MADE PER CN-14C7CB 8-11-80 CL A

CL J.E.S. 15

(CONT. AT LEFT) (2)

(ISSUE NOTES CONT.)

CHANGES MADE PER CN-19C8CB 11-17-82 CL AC

DMK DMK HJB 16

CHANGES MADE PER CN-20C2CB 2-17-82 CL AC

BR RJD HJB 17

OPTIONS ZW, ZX, YA, YB, YC, YD, YJ, MFR NOTE 9 & ENG NOTE 62 ADDED. 2-12-82 CL BU

MR RJB HJB 18

OPTIONS HA, HB, HC AND FIG. 2 ADDED. NOTE TO TABLE J ADDED. 6-28-82 CL B

DD RJB HJB 19

RUN 254 Y,Z OPT ADDED. RUN 254 2(RT) REL-9(TMR2) REL-11(CGA) REL; 2(RT) REL-11(CGA) REL & L(TMR3) REL-9(TMR2) REL F OPT ADDED. CN-20C2.2CB 10-7-82 CL A

1MM RJB HJB 20

ITEMS AU-AW ADDED. 2-15-83 CL BU

GDD RJB HFB 21

COSMIC II DF, TABLE L; ALSO TABLE E ITEMS AX, AY, AZ & BA; ENG NOTES 64, 65 & 66 AND FIGS. H7, H8, H9 & H10 ADDED. 6-27-83 CL B

JWJ RJB HFB 22

NOTE 76A ADDED. 8-23-84 CL B

GDD HFB 23

NOTE 67 AND ITEMS BB & BC ADDED. 10-19-87 CL B

MR HFB 24

MISC CHANGES MADE. 9-2-88 CL M

BD HFB 25

T*1C297-12

SHEET A1

ISSUE 25

A T & T - PROPRIETARY

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF AT & T AND IS NOT TO BE DISCLOSED OR USED EXCEPT IN ACCORDANCE WITH APPLICABLE AGREEMENTS.

AN99

COMMON SYSTEMS COIN STATION TEST LINE CIRCUIT

STANDARD

T*1C297-12

12 SHEETS

SHEET A1

AT&T TECHNOLOGIES

DWG SIZE 6S

TF-294300(10-71) PRINTED IN U.S.A.

31.5

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TABLE G

CABLING

ITEM	FIG	OPT	LEADS PER FIG	CABLES PER UNIT	CODE	FROM	CA DESIG	EQPT LOC	TO	CA DESIG	EQUIP LOC	CABLE SHIELD	REMARKS
COL	GA	GB	GC	GD	GE	GF	GG	GH	GJ	GK	GL	GM	GN
(SEE INDIVIDUAL FIGS. FOR CABLING)													

TABLE F

FUSE REQUIREMENTS

ITEM	FIG	OPT	FUSE AMP	FUSE CODE	POTENTIAL	DESIG	QTY	LOCATION	REMARKS
COL	FA	FB	FC	FD	FE	FF	FG	FH	FJ
1	H1		1 1/3	70A OR 35A	+48V	-	1	MISC FUSE BAY	OTHER THAN CSBR NO. 5 OR ESS
2					-48V	A	1		
3						B	1		
4						C	1		
5						D	1		
6			1/2	70G OR 35J	115-135	+CC	1		
7					115-135	-CC	1		
8	H2		1 1/3	70A OR 35A	-48V	A	1	FR F PNL OR MISC FR F PNL	CSBR NO. 5 OR ESS
9						B	1		
10						C	1		
11						D	1		
12					+48V	-	1	PRTD FR RT FR OR MISC PWR FR	(SEE NOTE 57)
13			1/2	70G OR 35J	115-135	+CC	1		
14					115-135	-CC	1		
15	1					LT2	1		
16						LT2	1	MISCF BAY, MISCPWRBD, RT FR, OR MISC ALM FR	OTHER THAN CSBR NO. 5 (SEE NOTE 57)
17					AC, DC OR AUD, SUP	1 PER 10 CKT			
18				70G OR 35F		TT-	1	SIG CKT DT SUPPLY, MISC FB OR PRTD FR	(SEE NOTE 57)
19	H9		1 1/3	70A OR 35A	-48V	E	1	FR F PNL	NO. 5 ESS

NOT REQUIRED WITH YL WRG (SEE NOTE 66)

TABLE L

COSMIC II DF TERMINATION FOR - CONNECTING BLOCK (SEE NOTE 64)

LINE	SD-97773-01 NOTE 304 TP	TERMINATION LEAD PATTERN FOR T-1C297-12 NOTE 304 SD FIGURES										
1	CONTACT FOR COSMIC II DF TERMINATION	D	C	H	D							
2		T - DRAWING FIGURES										
3		H3	H4	H5	H6							
4	1	T	T	P	T							
5	2	R	R	MDO	R							
6	3	S1	S	MD2	EG							
7	4	S		MD3	E							
8	5			MD4								
9	6			MD5								
10	7			MD8								
11	8			MD9								
12	9											
13	10											
14	11											
15	12											
16	13											
17	14											
18	15											
19	16											

LEAD ASSIGNMENT FOR 1ST CKT ONLY OR AS REQUIRED

COL	LA	LB	LC	LD	LE	LF	LG	LH	LJ	LK	LL

24		YX	YW		YX		YW	
22		YL	NONE		YL			
		YM	YN		YN,YM			
20		YH	NONE		YH			
		YF OR YG	YF		YG		YF	
		YE	NONE		YE			
19		HB WRG	HC OR NONE		HB,HC			
19		FIG. 2	HA WRG		2,HA			
18		F OR YA	NONE		F,YA			
18		YC	YB			YC	YB	
18		ZZ APP	ZY OR ZJYD	63	ZZ		ZY,YD	
18		ZW OR ZX	ZW		ZX		ZW	
17		HZK	HZJ		HZK		HZJ	
14		ZV	ZE OR ZN OR NONE		ZV		ZN	
14	ZO	ZR,ZS,ZT,ZU	NONE		ZR,ZS,ZT,ZU			
14		ZO OR ZP	ZP		ZO		ZP	
12		ZN WRG	ZE OR NONE		ZN		ZE	
12		ZJ OR ZK WRG & APP	ZJ		ZK		ZJ	
2		"ZH" WRG & APP	NONE		ZH			
CHANGE ON ISSUE	SPECIFY DO NOT SPECIFY IF OFFICE RECORDS	THIS OPTION WAS FURNISHED	SEE NOTE	STD	A & M	MD	SPL
		RECORD OF FIGURES, COMPONENTS AND WIRING CHANGE		RATING			
		TABLE B					

10						
5						
	5	YM	(1)		YM	
1	1,2	4,ZB,ZD, ZG	1			
COL	CA	CB	CC	CD	CE	CF
LINE	FIG	OPT	FIG. WRG	APP		REMARKS
	SD-1C297-01	T-1C297-12				
SCHEMATIC FIGURES AND OPTIONS AGREE WITH SIMILARLY DESIGNATED WIRING DIAGRAM FIGURES AND OPTIONS EXCEPT AS SHOWN ABOVE. W.E.CO. ASSIGNED FIGURES AND OPTIONS ARE PREFIXED WITH LETTER H AND MAY OR MAY NOT HAVE SCHEMATIC EQUIVALENT. ITEMS IN ( ) PARENTHESES ARE FOR INFORMATION ONLY AND ARE NOT TO BE RECORDED ON JOB WIRING LIST DRAWING.						
SD-T DWG CROSS REFERENCE TABLE						
TABLE C						

6	A5	H10	DF AS SPEC	1 ROW 4 PTS PER CKT
5		H8	DF AS SPEC	1 ROW 4 PTS PER CKT
4		H6	EDF	1 ROW 4 PTS PER CKT
3		H5	HIDF OR HCDF	1 ROW 8 PTS PER CKT
2		H4	DF AS SPEC	1 ROW 3 PTS PER CKT
1		H3	HMDF OR DF AS SPEC	1 ROW 4 PTS PER CKT
COL	HA	H8	HC	HD
ITEM	A SH	FIG.	DISTG FR	REQUIREMENTS
DISTRIBUTING FRAME REQUIREMENTS				
TABLE H				

MANUFACTURING NOTES (CONT)
CONVENTIONS

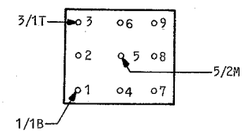
1-A SLASH (/) IN THE TERMINAL COLUMN SEPARATES THE SCHEMATIC NUMBER SHOWN ON THE LEFT FROM THE IDENTIFYING NUMBER SHOWN TO THE RIGHT OF THE SLASH. IDENTIFYING NUMBERS ARE DETERMINED AS FOLLOWS:
(A) TERMINALS IN HORIZONTAL ROWS: NUMBER 1, 2, ETC., LEFT TO RIGHT-SUFFIX T, M, OR B INDICATES TOP, MIDDLE OR BOTTOM ROW.
(B) TERMINALS IN VERTICAL ROWS: NUMBER 1, 2, ETC., BOTTOM TO TOP-SUFFIX L OR R INDICATES LEFT OR RIGHT ROWS.
(C) SEE H-915-200
(D) SEE NOTE 5

X 2. WIRE NOT OTHERWISE SPECIFIED TO BE 24BW WIRE RUN AS SURFACE WIRING AND COLORED GREEN UNLESS OTHERWISE INDICATED.

X 3. "LW" TO BE RUN LOOSE ON FRAME PER LWT1C297-12 WHEN SHOP MOUNTED USING 24BW WIRE UNLESS OTHERWISE SPECIFIED.

X 4. "B" TERMINAL NEAREST BASE OF TERMINAL STRIP.

X X 5. KS-19306,L2 SWITCH (MB) SHALL BE NUMBERED AS FOLLOWS:



X X 6. IN PIGTAIL SECTION, FOR DIODES, THE TERMINAL SHOWN IN THE "TO" COLUMN IS THE TERMINAL TO WHICH THE ARROW POINTS. I.E.

FROM ——▶ TO

X 7. 1W, 2W, 3W OR 4W DENOTES 1, 2, 3 OR 4 CONDUCTOR JUMPER WIRE.

X 8. METHOD OF CONNECTING P4 TYPE SHIELDED WIRE,
(1) CONNECTOR (A8) CONNECT SLATE WIRE TO TERMINAL 26; CONNECT RED WIRE TO TERMINAL 22, CONNECT GROUND TRACER ASSOCIATED WITH RED WIRE.
(2) CONNECT RED WIRE TO 8F (RET) RELAY; CONNECT RED WIRE TO 8M (RET) RELAY; SPLICE AND INSULATE BARE WIRES.
(3) CONNECT SLATE WIRE TO 12F (TT) RELAY; CONNECT RED WIRE TO 12M (TT) RELAY, SPLICE AND INSULATE BARE WIRES.

X 9. CPS1246B SHALL BE STRAPPED PER OPTION YJ AS FOLLOWS WHEN ZK WRG IS NOT PROVIDED.
A. BETWEEN TERM 5 AND 8
B. BETWEEN TERM 4 AND 14
C. BETWEEN TERM 21 AND 24

10. WIRING OPTION IS ZO & ZU, ZO & YM

MANUFACTURING NOTES
CONVENTIONS

●	DENOTES SWITCHBOARD CABLE
Ø	INSTALLER WIRING
P	PAIR
AA,BB	CROSS-REFERENCE SYMBOLS IDENTIFY CONNECTION OF PIGTAIL COMPONENTS LISTED IN THE B SECTION.
F	USED AS A SUFFIX TO A TERMINAL NUMBER INDICATES CONNECTION TO FRONT OF COMPONENT.
/-/	IN FUNCTIONAL DESIGNATION FIELD, INDICATES CIRCUIT, ANY ONE OF:
/XX../99/	SPECIFIC CIRCUIT.
X,Y	COMMA SEPARATING OPTIONS INDICATES "OR" AS X OR Y.
X & Y	AMPERSAND SEPARATING OPTIONS INDICATES "AND" AS X AND Y.
%OR ■	WITHOUT, AS X%Y INDICATES X WITHOUT Y.
P___	PAIR NUMBER, P101.
□	SYMBOL FOLLOWED BY LEAD DESIGNATION INDICATES LEAD TO ANOTHER CIRCUIT CONTROLLED BY THIS CIRCUIT.
□ □	SYMBOL FOLLOWED BY LEAD DESIGNATION INDICATES LEAD TO THIS CIRCUIT CONTROLLED BY ANOTHER CIRCUIT
LP	LOOP LEAD TO BE CUT AND CONNECTED WHEN ASSOCIATED OPTION IS SPECIFIED.
F,R,DR,S	LEAD IS IN 1ST, 2ND, OR 3RD EXTRA STITCH RESPECTIVELY OF CABLE ARM.
NC	NO CONNECTION.
DU	DOUBLING UP TERMINAL.
*	BREAK IN CONTINUITY OF RUN WHEN OPTION IS EQUIPPED.
#	ANOTHER CONNECTION TO TERMINAL APPEARS IN THE RUN.
◎	A CONNECTION POINT OF A MULTIPLE POINT TERMINAL.
&	A CONNECTION POINT OF A MULTIPLE POINT TERMINAL WITH ANOTHER CONNECTION APPEARING IN THE RUN.
⬭	SHIELD CONNECTION WITH GROUND TRACER.
U	22 GAUGE P TYPE SHIELDED WIRE.

"SEE PROPRIETARY NOTICE ON SHEET ONE"

ISSUE 24

COMMON SYSTEMS COIN STATION TEST LINE CIRCUIT	T-1C297-12	SHEET A2 SHEET
AT&T TECHNOLOGIES		DWG SIZE 6S

TF-294301(10-71)
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T-1C297-12 SHEET A2

A

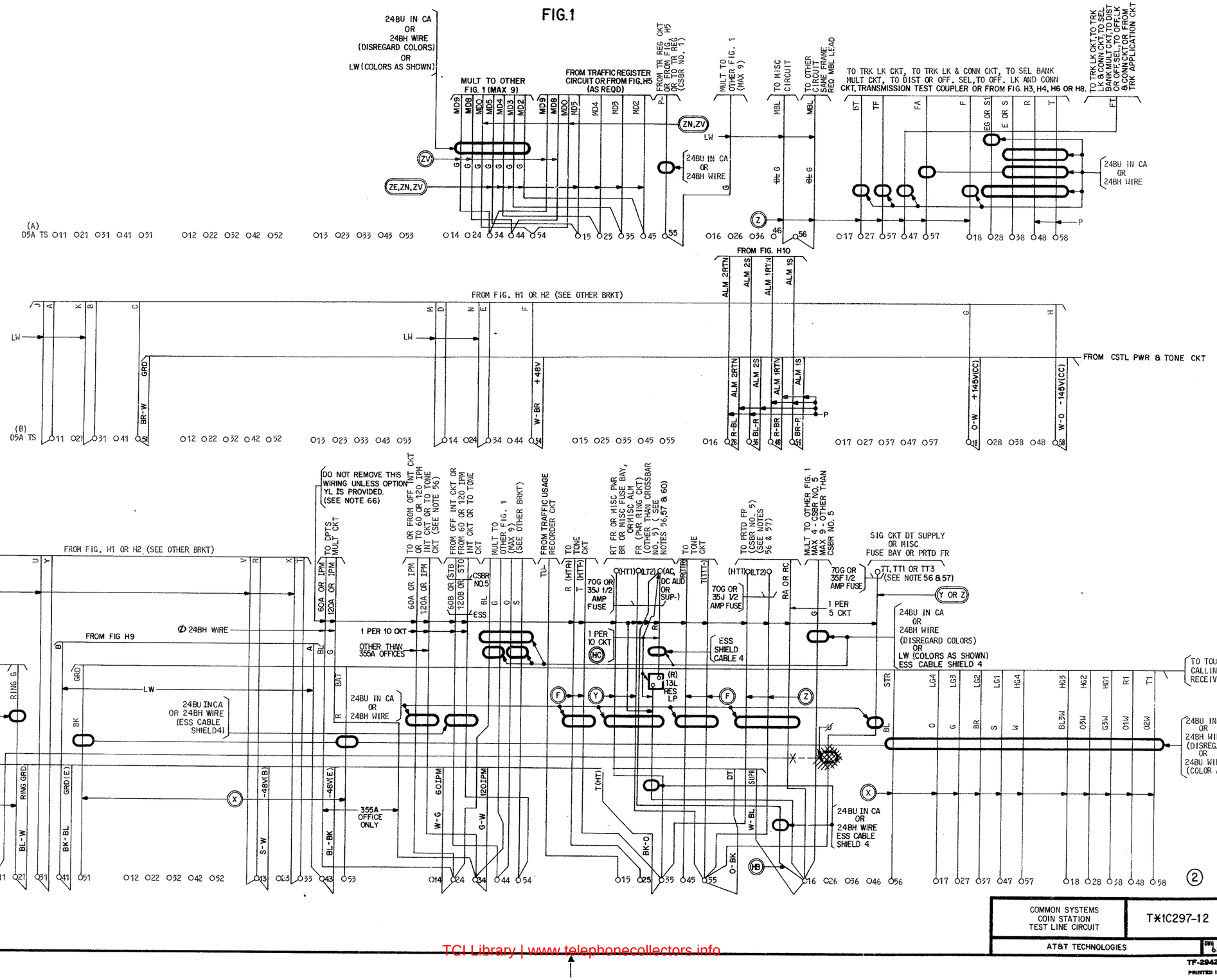
31.5

TABLE J

TYPE OFFICE		OPTION	SIGNAL LEAD				
			DT(SEE NOTE 57)	BT	SUP R	120 IPM	60 IPM
SXS	NO. 1		LT2 FROM MISC FUSE & ALARM CKT	HT1 FROM MISC FUSE & ALARM CKT	AC,DC AUD OR SUP- MISC FUSE & ALARM CKT	(120 IPM BR3) FROM MISC INTERRUPTER CKT SD-31606-01 (TYPICAL) DESIG (120A)	(60 IPM BR3) FROM MISC INTERRUPTER CKT SD-31606-01 (TYPICAL) DESIG (60A)
	350A		LT2 FROM MISC FUSE & ALARM CKT	HT1 FROM MISC FUSE & ALARM CKT	AC,DC AUD OR SUP-	(120 IPM BR3) FROM MISC INTERRUPTER CKT SD-31606-01 (TYPICAL) DESIG (120A)	(60 IPM BR3) FROM MISC INTERRUPTER CKT SD-31606-01 (TYPICAL) DESIG (60A)
	355A		LT2 FROM MISC FUSE & ALARM CKT	HT1 FROM MISC FUSE & ALARM CKT	AC,DC AUD OR SUP-	120 IPM BR3 FROM MISC INTERRUPTER CKT SD-31868-01 VIA DPTS MULT CKT T-616954 (TYPICAL)	60 IPM BR3 FROM MISC INTERRUPTER CKT SD-31868-01 VIA DPTS MULT CKT T-616954 (TYPICAL)
	360A		LT2 FROM MISC FUSE & ALARM CKT	HT1 FROM MISC FUSE & ALARM CKT	AC,DC AUD OR SUP-	120 IPM BR3	60 IPM BR3
PANEL			LT2 FROM MISC FUSE & ALARM CKT	HT1 FROM MISC FUSE & ALARM CKT	AC,DC AUD OR SUP- MISC FUSE & ALARM CKT	(120 IPM BR3) FROM SD-21666-01 OR SD-21667 MISC CKT DESIG (B)	(60 IPM BR3) FROM SD-21666-01 OR SD-21667-01 MISC CKT DESIG (B)
NO. 1 CSBR			LT2	HT1	AC,DC AUD OR SUP-	(120 IPM BR3) FROM SD-25062-01 INTERRUPTER FRAME CKT DESIG (B)	(60 IPM BR3) FROM SD-25061-01 INTERRUPTER FRAME CKT DESIG (B)
NO. 5 CSBR			LT2	HT1	AC,DC AUD OR SUP- PRTD FRAME (RA OR RC)	(120 IPM BR3) FROM INTERRUPTER FRAME SD-25814-01 (TYPICAL) DESIG (OF)	(60 IPM BR3) FROM INTERRUPTER FRAME SD-25814-01 (TYPICAL) DESIG (LB)
NO. 1 ESS			TIP & RING LEADS SUPPLY LT1 FROM TONE CKT SD-81652-01 DESIG T(TT) & R(TT)	HT1 FROM TONE CKT DESIGN T(MT2) & R(MT2) (SEE NOTE BELOW)	SUP- FROM RINGING CKT SD-81605-01 DESIG AC-DC OR SUP- & RING G	(120 IPM) FROM TONE CKT SD-81652-01 DESIG 120A & 120B	(60 IPM) FROM TONE CKT SD-81652-01 DESIG 60A & 60B
NO. 2 ESS			TT FROM NO. 2 ESS RINGING & TONE CKT DESIG T(TTT-1) & R(TTR-1)	HT1 FROM NO. 2 ESS RINGING & TONE CKT DESIG T(MT2) & R(MT2) (SEE NOTE BELOW)	SUP-FROM NO 2 ESS RINGING & TONE CKT DESIG AC-DC OR SUP- & RING G	(120 IPM) FROM NO. 2 ESS RINGING & TONE CKT DESIG 120A & 120B	(60 IPM) FROM NO.2 ESS RINGING & TONE CKT DESIG 60A & 60B

IN ESS OFFICES WHERE HT TONE ON THE BT LEADS IS NOT LOUD ENOUGH, CONNECT THE BT LEADS TO THE MT2 TONE TERMINALS.

FIG.1



T*1C297-12

SHEET A4

ISSUE 22

COMMON SYSTEMS COIN STATION TEST LINE CIRCUIT	T*1C297-12	SHEET A4
AT&T TECHNOLOGIES	DWG SIZE D5	

TF-294207 (10-71)
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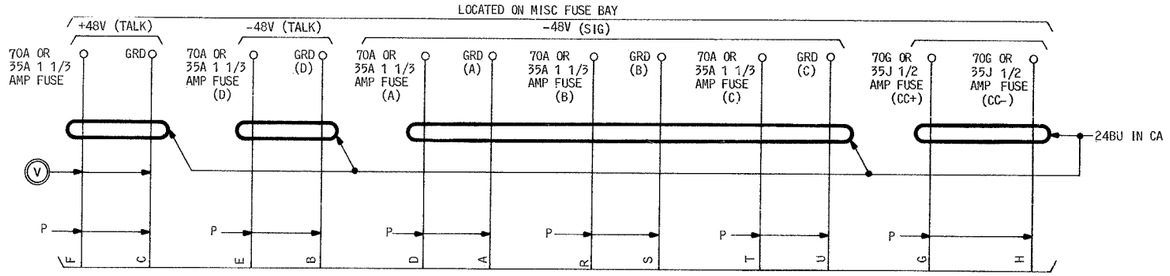
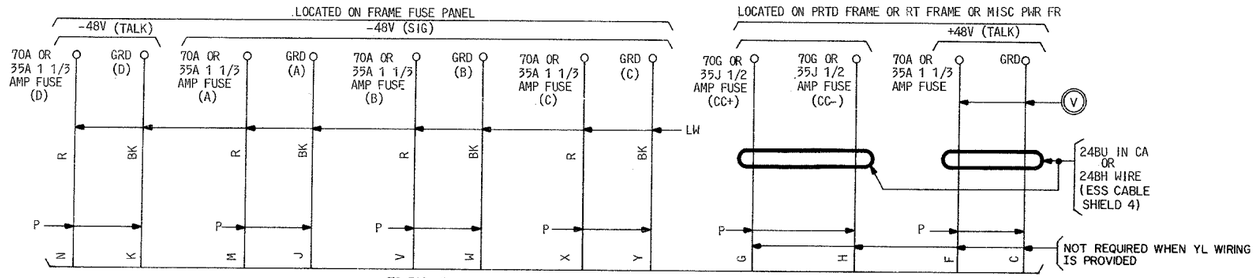
FIG. H1
(OTHER THAN CSBR NO. 5 OR ESS)



TO FIG.1

FIG. H2
(CSBR NO. 5 OR ESS)



TO FIG. 1

FIG. H7

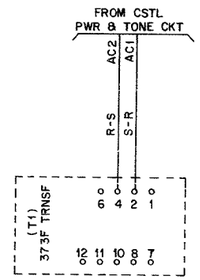


FIG. H6

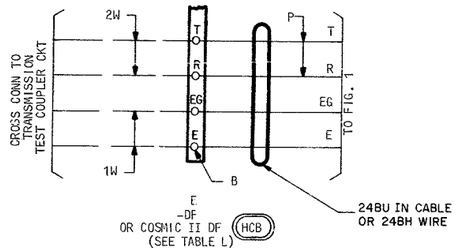


FIG. H8

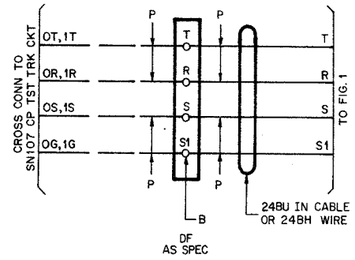


FIG. H9
LOCATED ON FRAME FUSE PANEL

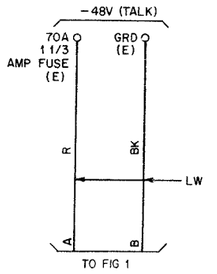


FIG. H3

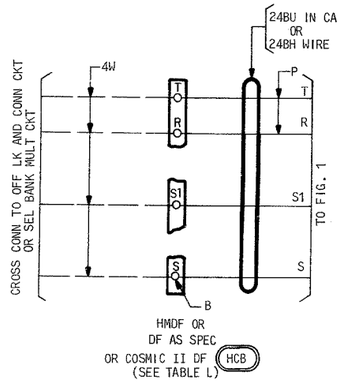


FIG. H4

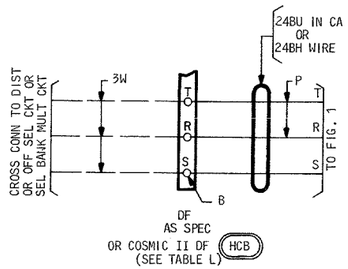


FIG. H5

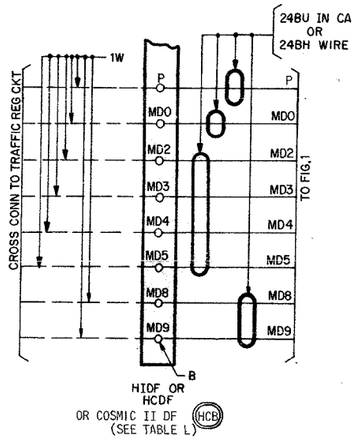
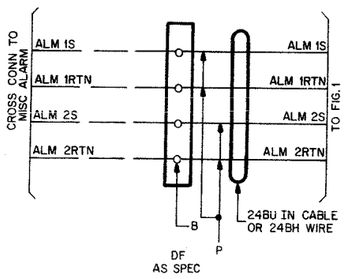


FIG. H10



T*1C297-12
SHEET A5

2
ISSUE 22

COMMON SYSTEMS COIN STATION TEST LINE CIRCUIT	T*1C297-12	SHEET A5
AT&T TECHNOLOGIES	DWG SIZE 6S	

TF-294207 (10-71)
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TABLE E

FEATURE TABLE (SEE NOTE 52,53)

ITEM	SD ISSUE	DESCRIPTION	SPECIFY FIG	SPECIFY WRG	SPECIFY APP	SPECIFY QTY	SPECIFY AUTO OPT	REMARKS
COL	A	B	C	D	E	F	G	H
AR		WHEN RING SUPPLY RES LAMP IS MOUNTED ON THIS UNIT (1 PER 10 CIRCUITS)	2			1	(FIG. 1) HA WRG	
BA*		AND YL WRG IS NOT PROVIDED	(1)	HB		1		
AS*		MOUNTED SEPARATELY (1 PER 10 CIRCUITS)	(1)	HC	HC	1		
AT		MOUNTED SEPARATELY OR NOT REQUIRED (ALWAYS REQUIRED WHEN ITEM AR IS NOT PROVIDED ON THIS UNIT)	(1)	HA				
AU	18BU	WHEN OFFICE +CC VOLTAGE IS LESS THAN 123 VOLTS.	(1)	YE		1		
AV		PROVIDES FOR TESTING "D" TYPE COIN STATIONS.	(1)	YG	YG	1	YF WRG & APP	
AW		WRG REQUIRED IN ADDITION TO ITEMS J OR K (PREVENTS RACE CONDITION WHEN (DISC) RELAY CONTACTS ARE MISADJUSTED).	(1)	YH				
AX	19B	USED IN NO. 5 ESS OFFICE (ITEM 2 MUST BE PROVIDED)	(1) H2 H8	YM	YM	1 1 1	(FIG. 1) YN WRG	
AY		REQUIRED WHEN NO. 5 ESS OFFICE DOES NOT PROVIDE A POWER & TONE SUPPLY. (SEE NOTE 64) (ITEM AR MUST BE PROVIDED)	(1) H7 H9 H10	YL		1 1 1 1		
AZ		IN OTHER THAN NO. 5 ESS OFFICE.	(1)	YN		1		
BB	20B	PREVENTS ANS2 RELAY OPERATING PRIOR TO AUX 5.	(1)		YS			
BC		INSURES PROPER OPERATION OF ETT RELAY DURING DIAL 5 (COIN RELEASE TIMING) TESTS.	(1)		YX		YW APP	

TABLE E

FEATURE TABLE (SEE NOTE)

ITEM	SD ISSUE	DESCRIPTION	SPECIFY FIG	SPECIFY WRG	SPECIFY APP	SPECIFY QTY	SPECIFY AUTO OPT	REMARKS
COL	A	B	C	D	E	F	G	H

TABLE E

FEATURE TABLE (SEE NOTE)

ITEM	SD ISSUE	DESCRIPTION	SPECIFY FIG	SPECIFY WRG	SPECIFY APP	SPECIFY QTY	SPECIFY AUTO OPT	REMARKS
COL	A	B	C	D	E	F	G	H

SHEET ISSUE 1

T* 1C297-12 SHEET A6

"SEE PROPRIETARY NOTICE ON SHEET ONE" (2)

ISSUE 24

COMMON SYSTEMS COIN STATION TEST LINE CIRCUIT | T* 1C297-12 | SHEET A6

AT&T TECHNOLOGIES | DWG SIZE 6S | PRINTED IN U.S.A.

TF294206(8-84)

FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
A	TS	D5A
21.0	12	450
19.0	13	445
	15	465/ZE,ZN/
	18	23/Z/
	22	449
	23	80
	25	464/ZE,ZN/
	27	19/Z/
	28	29/Z/,30,422, 531/F/
	32	448
	33	92
	34	509
	35	463/ZE,ZN/
	37	21/Z/
	38	31/Z/,32
	42	447
	43	91
	44	511
	45	462/ZE,ZN/
	47	27/Z/
	48	184
	52	446
	54	505
	55	14
	56	28/Z/
	57	13/Z/
	58	183
ADS	REL	AJ516
3.2	L	421
19.0	U	208
	1	499/MI/,500/N/
	1M	41
	2	497/MI/,498/N/
	2M	42
	3	222
	3M	55
	4	254
	4M	421
	5	262
	5B	265
	7	281
	7M	208
	8	258
	8B	257
	9	278
	9B	277
	9M	274
ANS1	REL	AK4
4.7	1	248
5.0	1M	249
	5	252
	5B	391
	5M	368
	1L	422
	2L	247
ANS2	REL	AK4
4.7	8	253
5.0	8B	252
	8M	369
	1U	422
	11	389
	11B	537
	2U	250
ATC1	REL	AK4
6.2	1	211
11.0	1M	213
	2	196
	2M	197
	3	221
	3B	217
	4	214
	4M	215
	5	55
	5B	437
	5M	438
	1L	211
	2L	210
ATC2	REL	AJ516
4.7	L	217
11.0	U	216
	1	55
	1M	216
	2	421
	2B	196
	2M	195
	4	221
	4B	217
	4M	219
	6	209
	6B	210
	7	212
	7B	211
	9	55
	9M	438
	10	437
	10B	436
	12	55
	12M	512
ATC3	REL	AK4
6.2	8	212
11.0	8B	220
	8M	55
	9	197
	9M	198
	1U	218
	10	195
	10B	368
	CONTINUED	

FUNC FIG & OPT DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
	CONTINUED	
	10M	369
	11	55
	11B	214
	11M	218
	12	221
	12M	209
	2U	421
AUX1	REL	AG17
3.2	L	421
15.0	U	54
	1	415
	1M	64
	2	200
	2B	235
	4	225
	4B	226
	6	263
	6B	264
	7	229
	7B	230
	11	415
	11M	74
AUX1	TERM	214A
3.2	1B	461
15.0	1T	461
AUX2	REL	AG33
14.2	L	421
13.0	U	143
	1	111
	1M	112
	2	133
	2M	134
	4	136
	4M	135
	5	34
	5B	80
	6	142
	6M	143
	8	148
	8B	149
	8M	151
	10	138
	10M	139
	12	415
	12M	160
AUX3	REL	AK4
16.7	1	79
15.0	1M	80
	2	56
	2M	526
	3	491/ZK/
	3B	490/ZK/
	3M	549
	4	253
	4M	421
	5	483
	5B	481
	5M	481
	1L	526
	2L	421
AUX4	REL	AK4
16.7	8	71
15.0	8B	70
	9	415
	9M	74
	1U	232
	10	399/ZJ/,490/ZK/
	10B	400
	10M	401
	11	493
	11M	492
	12	241
	12M	421
	2U	421
ZK AUX5	REL	AK10
10.1	1	PT/BM/
9.0	1M	41
	3	PT/BL/
	3M	42
	1L	493
	2L	421
ZK AUX5	TERM	208A
10.1	B	415
9.0	T	415
B	TS	D5A
21.0	11	415
17.0	14	421
	18	412
	31	417
	34	419
	51	423/V/
	54	418/V/
	58	411
BCA	REL	AK4
10.7	1	309
5.0	1M	296
	2	307
	2M	303
	3	314
	3B	315
	4	334
	4M	333
	5	341
	5M	342
	1L	293
	CONTINUED	

FUNC FIG & OPT DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
	CONTINUED	
	2L	292
BCB	REL	AF54
12.2	L	299
5.0	U	297
	2	334
	2M	333
	4	303
	4M	304
	6	311
	6B	300
	6M	301
	7	294
	7B	293
	8	344
	8B	343
	10	317
	10B	318
	10M	316
BCC	REL	AF54
13.7	L	302
5.0	U	304
	2	312
	2M	313
	4	309
	4B	298
	4M	305
	5	301
	5B	306
	6	309
	6B	317
	7	295
	7B	294
	8	334
	8M	333
	12	344
	12M	340
BCD	REL	AF112
15.2	L	306
5.0	U	308
	1	298
	1M	297
	2	309
	2M	308
	4	340
	4B	368
	4M	339
	6	311
	6B	306
	6M	292
	8	343
	8B	342
	8M	338
	9	334
	12	333
	12M	318
	12M	319
ZX BCD	TERM	208A
15.2	B	368
5.0	T	368
BCE	REL	AK4
16.7	1	309
5.0	1M	314
	2	312
	2B	313
	3	334
	3M	333
	5	319
	5M	320
	1L	314
	2L	313
BCF	REL	AK4
16.7	1U	320
5.0	10	334
	10B	333
	11	309
	11M	320
	12	309
	12M	312
	2U	420
BP	REL	AG17
1.7	L	420
7.0	U	336
	2	89
	2M	88
	4	94
	4B	101
	4M	103
	6	345
	6M	390
	8	333
	8M	332
	10	416
	10M	309
	11	416
	11M	352
	12	416
	12M	51
BPR	REL	AK4
10.7	1U	416
5.0	11	348
	11M	404/HA/,543/2,YL/
	12	91
	12M	145/Y,Z,YL,YQ/, 457/F,YR/
	2U	346/ZJ/,494/ZK/

FUNC FIG & OPT DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
C	TS	D5A
21.0	11	416
7.0	13	420
	15	18
	16	404/HA/,542/2,YL/
	17	357/X/
	18	360/X/
	21	472/F,YL/
	24	327
	25	459/F,YR/
	27	356/X/
	28	359/X/
	31	422
	33	426
	34	326
	35	145/Y,Z,YL,YQ/, 458/F,YR/
	37	355/X/
	38	358/X/
	44	177/Z/,416
	45	456/F,YR/
	47	354/X/
	48	87/X/
	51	415,417
	53	32
	54	16/Z/,416
	55	146/Y,Z,YL,YQ/, 455/F,YR/
	56	361/X/
	57	433/X/
	58	86/X/
ZO CAL1	REL	AK4
8.6	1	449
9.0	1M	508
	2	42
	2B	513
	2M	515
	3	484/ZK/
	3B	514
	3M	518
	4	520
	4B	41
	4M	523
	5	521
	5B	42
	5M	525
	1L	421
	2L	449
ZO CAL2	REL	AK4
8.6	8	42
9.0	8B	521
	8M	524
	9	41
	9B	520
	9M	522
	1U	447
	10	514
	10B	484/ZK/
	10M	517
	11	513
	11B	42
	11M	516
	12	447
	12M	508
	2U	421
CA1	BASE	2A EW
15.2		ED1C707-30 G4
15.0	1	259
	2	415
	3	421
	6	7
	11	11
	12	33
YN CA10	BASE	2A EW
19.0		ED1C707-30 G12
5.0	1	443/T/
	11	147/Q/
	12	417
CA11	BASE	2A EW
7.0		ED1C707-30 G13
5.0	2	20
	3	304
	4	308
	5	315
	6	309
	7	321
	8	316
	9	328
	10	332
	11	305
CA12	BASE	2A EW
8.0		ED1C707-30 G14
5.0	1	323
	2	341
	3	368
	4	391
	5	199
	6	338
	7	322
	8	369
	9	339
	10	389
	11	391
	12	198
CA13	BASE	2A EW
10.2		ED1C707-30 G3
17.0	1	47
	2	55
	CONTINUED	

FUNC FIG & OPT DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
	CONTINUED	
	3	281
	10	422
	11	519
	12	525
YM CA23	BASE	2A EW ED7C608 G1
20.5	4	426
5.0	5	545
	6	182
	8	32
	9	546
	10	544
	12	182
CA14	BASE	2A EW
6.0		ED1C707-30 G1
19.0	1	227
	2	232
	3	235
	4	444
	5	59
	6	223
	7	228
	8	231
	9	239
	10	234
	11	236
	12	224
CA15	BASE	2A EW
9.0		ED1C707-30 G6
15.0	2	415
	3	415
	9	237
	12	238
CA16	BASE	2A EW
13.5		ED1C707-30 G7
15.0	2	415
	3	415
	11	243
	12	233
CA17	BASE	2A EW
7.5		ED1C707-30 G10
11.0	2	216
	3	213
	4	220
	5	81
	6	218
	7	215
	8	214
	9	221
	10	435
	11	219
CA18	BASE	2A EW
9.5		ED1C707-30 G15
5.0	1	300
	2	293
	3	297
	4	439
	5	295
	6	307
	7	187
	9	302
	10	299
	11	296
	12	311
F,YR CA19	BASE	2A EW
20.5		ED1C707-30 G19
5.0	1	456/F,YR/
	2	454/F,YR/
	3	459/F,YR/
	4	457/F,YR/
	6	417
	10	458/F,YR/
	11	455/F,YR/
CA2	BASE	2A EW
15.5		ED1C707-30 G9
13.0	1	82
	2	144
	5	35
	6	20
	9	36
	10	395
	11	134
	12	138
ZO&ZS, ZO&ZT CA21	BASE	2A E/W ED1C707-30 GR21
7.5		
9.0	1	528
	2	524
	3	518
	4	522
	5	523
	6	515
	7	517
	8	516
	9	523
	10	422
	11	519
	12	525
ZO&ZU, ZO&YM CA22	BASE	2A E/W ED1C707-30 GR22
7.5		
9.0	1	528
	2	524
	3	518
	4	522
	5	PT/CA/,PT/CF/
	6	515
	7	517
	8	516
	9	523
	CONTINUED	

FUNC FIG & OPT DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
	CONTINUED	
	2	179
	2B	182
	2M	178
	3	177
	3B	181
	3M	178
	1L	231
	2L	236
CPT	REL	AJ513
5.2	L	421
17.0	U	52
	1	415
	1M	37
	2	39
	2M	40
	3	42
	3M	44
	4	51
	4M	52
	5	68
	5M	69
	6	415
	6M	56
	7	353
	7M	80
	8	149
	8B	150
	9	173
	9B	508
	10	66
	10M	67
	11	415
	11M	471/ZE,ZN/
	12	448
	12B	485
CR	REL	AK30
3.2	1	175
7.0	1M	174/G/,452/H/
	2	169
	2M	186
	3	193
	3M	194
	4	416
	4M	228
	5	169
	5B	541
	5M	388
	1L	420
	2L	187
ZO CRM	REL	AK10
10.1	8	512
9.0	8M	55
	1U	512
	10	402,451/H/
	10M	402
	11	175
	11M	175
	2U	419
CR21	DIODE	485H E/W HEAT
6.7		SINK
3.0	1	407
	2	414
CR22	DIODE	485AG E/W HEAT
8.7		SINK
3.0	1	407
	2	422
W CR67	DIODE	485AA E/W HEAT
14.5		SINK
19.0	1	85/W/
	2	413
W CR68	DIODE	485AA E/W HEAT
12.5		SINK
19.0	1	415
	2	85/W/
CR74	DIODE	485J E/W HEAT
10.5		SINK
19.0	1	395
	2	395
CT	CAP	441QJ
9.0	B	100
7.0	T	417
CT	REL	AK4
10.1	1	7
7.0	1M	420
	2	100
	2M	94
	3	91
	3M	92
	4	328
	4B	329
	5	325
	5B	327
	1L	59
	2L	420
C22	CAP	KS-19846,L5
11.6	B	422
3.0	T	414
C6	CAP	KS-19029
13.2	1	414
3.0	2	405
	3	405

FUNC FIG & OPT DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
D	TS	670A-2 KULKA
11.1	1B	425
1.0	1T	424
	2B	425
	2T	424
DISC CONN		910A E/W D3 CP
14.2	1	11
17.0	2	7
	3	7
	5	415
	6	9
	7	421
DISC	REL	AJ516
13.1	L	421
17.0	U	9
	1	4
	1B	5
	2	415,531/F/
	2B	532
	2M	32
	3	415
	3M	30
	4	8
	4M	9
	5	22/Z/
	5B	24
	6	26/Z/,545
	6B	12/Z/,546
	6M	544
	7	406
	7M	82
	8	175
	8M	174/G/,452/H/
	9	498/N/,499/M/
	9B	190
	10	403
	10M	228
	11	415
	11B	533/F/
	11M	14
	12	254
	12B	254
	12M	540
D1N	REL	AG33
11.2	L	421
13.0	U	141
	1	103
	1M	103
	2	151
	2M	52
	4	133
	4B	134
	5	111
	5B	112
	6	104
	6B	102
	6M	PT/AJ/
	8	144
	8B	142
	9	34
	9B	80
	10	160
	10M	161
	12	140
	12M	141
D1N	TERM	208A
11.2	B	417
13.0	T	PT/AJ/
ELT	REL	AK4
6.2	1	415
15.0	1M	288
	2	173
	2B	260
	2M	287
	3	368
	3M	421
	4	403
	4M	369
	5	282
	5M	80
	1L	287
	2L	421
ETT	REL	AK4
4.7	1	169,282
7.0	1M	52,186
	2	169
	2B	530
	3	381
	3B	410
	4	416
	4M	75
	5	169,282
	5B	550
	5M	52,186
	1L	186
	2L	370
YX ETT	TERM	208A
4.7	B	426
7.0	T	426
Z F	REL	AF508
19.2	L	25/Z/
19.0	U	19/Z/
	2	6/Z/
	2M	29/Z/
	4	415
	4M	13/Z/
	10	23/Z/
	CONTINUED	

FUNC FIG & OPT DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
	CONTINUED	
	10M	25/Z/
ZK FEMF	REL	AK4
11.6	1	486
9.0	1M	PT/BF/
	2	448
	2M	173
	3	476
	3B	367
	3M	415
	4	484/ZK/
	4B	41
	4M	42
	5	480
	5B	479
	5M	478
	1L	421
	2L	485
ZK FEMF	TERM	208A
11.6	B	284
9.0	T	284
GRT	REL	AK4
1.7	1	398
17.0	1M	41,484/ZK/
	2	246
	2B	398
	3	251
	3M	392
	4	247
	4B	248
	4M	397
	5	266
	5B	271
	5M	268
	1L	269
	2L	421
X HG1	REL	295A
14.7	1	358/X/
7.5	2	366/X/
	3	415
	4	115
	5	365/X/
	7	430/X/
	9	115
	14	33
X HG2	REL	295A
16.2	1	359/X/
7.5	2	431/X/
	3	430/X/
	4	122
	5	127
	6	115
	7	415
	8	363/X/
	9	362/X/
	14	33
X HG3	REL	295A
17.7	1	360/X/
7.5	2	415
	3	363/X/
	4	364/X/
	5	132
	7	432/X/
	9	122
	14	33
INTR	REL	AJ500
6.2	L	409
7.0	U	322
	1	345
	1B	344
	2	92
	2B	145/Y,Z,YL,YQ/, 457/F,YR/
	2M	147/Q/,443/T/
	3	75
	3B	335
	4	90
	4M	147/Q/,443/T/
	5	336
	5M	337
	6	310
	6B	311
L	ETS	MIP-11 AMPHENOL
21.2		E/W 292A REL
9.0	1F	110
	2F	111
	3F	415
	4F	434
	5F	99
	6F	419
	7F	108
	8F	110
	9F	107
	10F	419
	11F	105

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FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
		LA	RES	18FR
		16.1	B	419
		9.0	T	107
		LB	RES	18KN
		15.6	B	109
		9.0	T	108
		LC	RES	18HE
		15.1	B	109
		9.0	T	417
ZK		LFP	REL	AK4
		11.6	8	526
		9.0	8B	526
			8M	448
			9	397,549
			9B	398
			9M	250
			10	486
			10	415
			10M	492
			11	397,549
			11B	398
			11M	250
			12	486
			12M	448
			2U	PT/BG,BH,CM,CN/
ZK		LFP	TERM	208A
		11.6	B	421
		9.0	T	421
X		LG1	REL	295A
		14.7	1	354/X/
		6.5	2	364/X/
			3	362/X/
			4	115
			5	122
			6	415
			7	415
			8	366/X/
			9	432/X/
			14	33
X		LG2	REL	295A
		16.2	1	355/X/
		6.5	2	363/X/
			3	415
			4	127
			5	363/X/
			7	365/X/
			9	122
			14	33
X		LG3	REL	295A
		17.7	1	356/X/
		6.5	2	364/X/
			3	415
			4	115
			5	431/X/
			7	365/X/
			9	127
			10	415
			11	415
			12	132
			13	430/X/
			14	33
X		LG4	REL	295A
		19.2	1	357/X/
		6.5	2	132
			3	362/X/
			4	122
			5	132
			14	33
		LLT	REL	AJ516
		7.7	L	421
		15.0	U	284
			1	241
			1M	421
			2	238
			2B	237
			2M	239
			3	285
			3M	284
			4	173
			4B	280
			5	415
			5M	291
			6	249
			6B	421
			7	399/ZJ/,491/ZK/
			7M	290
			8	288
			8B	289
			9	403
			9M	369
			10	8
			10B	242/ZK/
			11	173
			11M	286
			12	261
			12B	260
R		LRS	RES	18FY
		16.7	B	426
		19.0	T	32
		LRT	REL	AJ516
		1.7	L	421
		19.0	U	275
			1	245
			1M	41,484/ZK/
				CONTINUED

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
				CONTINUED
			2	398
			2M	244
			3	415
			3B	246
			3M	536
			4	251
			4M	393
			5	253
			5M	421
			6	261
			6B	262
			7	282
			7M	208
			8	250
			8M	397
			9	173
			9B	279
			9M	278
			10	271
			10B	270
			11	515
			11B	519
			11M	528
			12	496
			12B	495/ZK/
		LW	CAP	437QA
		13.3	B	104
		9.0	T	106
Z		MB	SW	KS-19306,L-2
		17.7	1/1B	23/Z/
		19.0	2/1M	22/Z/
			3/1T	21/Z/
			4/2B	27/Z/
			5/2M	26/Z/
			6/2T	28/Z/
		OH	REL	AJ516
		11.6	L	421
		17.0	U	5
			1	190
			1B	41
			2	415
			2M	20
			3	415,532
			3B	12/Z/
			3M	32
			4	415
			4M	30
			5	24
			5B	25/Z/
			6	395
			6M	83
			7	429
			7M	241
			8	324
			8M	323
			9	42
			9B	497/M/,500/N/
			10	415
			10M	15
			11	4
			11B	6/Z/
			11M	417
			12	84/V/
			12M	418/V/
ZH		OH-L	TERM	208A
		11.6	B	30
		17.0	T	30
ZH		OH-U	TERM	208A
		11.6	B	32
		17.0	T	32
		ON	REL	AJ513
		12.7	L	421
		13.0	U	80
			1	33
			1M	419,421
			2	101
			2M	102
			3	51
			3B	50
			4	138
			4B	140
			4M	34
			5	111
			5B	112
			6	134
			6B	133
			6M	435
			7	91
			7M	90
			8	89
			8M	88
			9	98
			9M	95
			10	41
			10M	87/X/
			11	42
			11M	86/X/
			12	415
			12B	148
		ON	TERM	208A
		12.7	B	193
		13.0	T	PT/AB/
		PH	CAP	437QA
		16.8	B	110
		9.0	T	108

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
		PS	REL	AJ516
		7.0	L	421
		13.0	U	81
			1	367
			1B	38
			2	49
			2M	50
			3	48
			3B	52
			4	82
			4B	439
			4M	81
			5	76
			5M	526
			6	60
			6B	61
			7	421
			7B	PT/AF,AG/
			8	65
			8M	66
			9	415,531/F/
			9M	8,32
			10	282
			10B	353
			11	415
			11M	408
			12	43/ZJ/
			12M	8
		PS	TERM	214A
		7.0	1B	540
		13.0	1T	429
			2B	540
			2T	429
		P1	REL	AJ516
		14.8	L	421
		11.0	U	115
			1	112
			2M	114
			3	113
			3M	133
			4	117
			4B	119
			4M	118
			5	125
			5B	122
			6	133
			6B	128
			7	133
			7B	129
			8	159
			8B	172
			8M	445
			9	155
			9B	156
			9M	446
			10	163
			10B	164
			10M	80
			11	167
			11B	168
			11M	80
			12	468/ZE,ZN/
			12B	466/ZE,ZN/
		P2	REL	AJ516
		13.3	L	421
		11.0	U	116
			1	116
			1B	114
			1M	113
			2	133
			2M	117
			3	125
			3M	122
			4	133
			4B	128
			5	130
			5B	131
			6	158
			6B	170
			6M	171
			7	154
			7B	448
			7M	447
			8	166
			8B	80
			8M	80
			9	115
			9B	113
			9M	114
			10	467/ZE,ZN/
			10B	464/ZE,ZN/
			10M	463/ZE,ZN/
			11	506
			11B	505
			11M	509
		P3	REL	AJ516
		11.8	L	421
		11.0	U	122
			1	133
			1B	128
			2	129
			2B	130
			3	157
			3B	169
			3M	158
			4	156
			4B	450
			4M	449
			5	168
			5B	80
			5M	80
				CONTINUED

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
				CONTINUED
			6	133
			6M	125
			7	118
			7M	126
			8	172
			8M	173
			9	164
			9B	80
			10	469/ZE,ZN/
			10B	465/ZE,ZN/
			10M	467/ZE,ZN/
			11	466/ZE,ZN/
			11M	462/ZE,ZN/
			12	510
			12M	511
		P4	REL	AJ516
		10.3	L	421
		11.0	U	127
			1	122
			1B	121
			1M	120
			2	122
			2B	124
			2M	123
			3	131
			3M	132
			4	152
			4B	159
			4M	157
			5	153
			5B	154
			5M	155
			6	162
			6B	163
			7	165
			7B	166
			7M	167
			8	128
			8M	127
			9	470/ZE,ZN/
			9B	468/ZE,ZN/
			9M	469/ZE,ZN/
			10	507
			10B	506
			10M	510
		P5	REL	AJ516
		8.8	L	421
		11.0	U	132
			1	119
			1B	121
			1M	120
			2	125
			2B	124
			2M	123
			3	133
			3B	128
			4	133
			4M	132
			5	150
			5B	152
			5M	153
			6	161
			6B	162
			6M	165
			7	126
			7B	127
			8	471/ZE,ZN/
			8B	470/ZE,ZN/
			8M	507
2		R	RESLP	13L
		2.2	1	542/2,YL/
		9.0	2	543/2,YL/
		RA	REL	AG14
		18.1	4	10
		11.0	4M	9
			5	415
			5B	137
			6	97
			6M	96
			8	142
			8M	143
			1L	421
			1U	95
			2L	96
			2U	97
		RB	RESLP	13L
		8.6	L	47
		19.0	R	419
		RC	RCL	AK4
		16.7	8	7
		17.0	8M	421
			9	244
			9B	367
			1U	270
			10	415
			10M	228
			11	193
			11M	413
			12	175
			12M	174/G/,452/H/
			2U	421
ZK		RC-U	TERM	208A
		16.7	B	PT/CB/
		17.0	T	193

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
		RET	REL	AK4
		7.2	8	374
		19.0	8M	373
			9	537
			9B	397
			1U	228
			10	180
			10B	179
			10M	175
			11	176
			11B	177
			11M	175
			12	221
			12M	55
			2U	234
		RHU	REL	AK4
		10.1	8	181
		7.0	8B	42
			8M	349
			9	41
			9B	182
			1U	351
			10	329
			10B	331
			11	324
			11B	326
			11M	325
			12	182
			12M	347
			2U	420
		RT	REL	AJ516
		3.2	L	421
		17.0	U	264
			1	421
			1M	71
			2	254
			2M	253
			3	415
			3B	74
			4	173
			4M	266
			6	395
			6B	394
			6M	251
			7	415,533/F/
			7B	258
			8	415
			8B	398
			8M	245
			9	263
			9B	269
			9M	267
			11	367
			11M	42
			12	277
			12B	276
		RTN	REL	AK30
		3.2	8	335
		7.0	8M	336
			9	335
			9M	334
			1U	335
			10	352
			10B	282
			11	321
			11B	322
			12	289
			12M	351
			2U	420
		RTT	REL	AK4
		1.7	8	40
		17.0	8B	41
			9	415
			9B	43/ZJ/
			9M	42
			1U	67
			10	103
			10B	45
			10M	41
			11	69
			11B	421
			12	241
			12M	421
			2U	421
Z		R1	RES	18R
		16.7	B	31/Z/
		19.0	T	32
W		R3	RES	44AE
		16.0	B	413
		19.0	T	395
		R40	RES	19CJ
		3.7	B	210
		11.0	M	421
			T	217
		R66	RES	44J
		10.2	B	426
		3.0	T	414
		R79	RES	19BW
		8.7	B	292
		5.0	M	420
			T	299
		R80	RES	19GJ
		18.2	B	302
		5.0	M	420
			T	306

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
		R81	RES	19UE
		17.7	B	409
		5.0	M	420
			T	313
		SD1	RESLP	13L
		18.1	L	411
		17.0	R	174/G/,451/H/
		SD2	RESLP	13L
		19.1	L	402,452/H/
		17.0	R	412
		SHF	ETS	KS-14226 E/W
		19.1		303E REL
		13.0	1F	79
			3F	78
			5F	76
			6F	36
			8F	35
		SN	REL	AK4
		7.7	1	408
		7.0	1M	PT/AK/
			2	37
			2B	440
			2M	441
			3	45
			3B	441
			3M	440
			1L	420
			2L	439
		SN	TERM	208A
		7.7	B	176
		7.0	T	PT/AK/
		SR	REL	AG15
		18.1	L	421
		9.0	U	110
			2	434
			2M	113
			4	137
			4M	136
			6	34
			6B	10
			10	99
			10M	98
		STP	REL	AK4
		8.5	1	139
		13.0	1M	141
			2	415
			2M	136
			3	160
			3M	161
			4	151
			4M	52
			1L	135
			2L	421
X		STR	REL	295A
		19.2	1	361/X/
		7.5	2	144
			3	103
			4	143
			5	94
			7	34
			9	80
			14	33
		SUPV	REL	AJ138
		4.7	2	226
		19.0	2B	227
			4	223
			4M	222
			6	283
			6B	284
			6M	224
			8	415
			8M	4,PT/CE/
			1L	417
			1U	497/M/,498/N/
			12	230
			12B	231
			2L	499/M/,500/N/
			2U	419
YM		SUPV	TERM	208A
		4.7	B	4
		19.0	T	4
		TB	CAP	437QA
		6.0	B	103
		5.0	T	417
		TC	REL	AJ516
		4.7	L	199
		15.0	U	201
			6	205
			6B	206
			7	199
			7M	421
			8	55
			8B	202
			9	416
			9M	289
			10	170
			10B	225
			11	171
			11B	229
			12	282
			12M	80

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
		TJ	JK	240CM
		1.3	1	415
		9.0	2	32,415,532
			3	32,422
			4	180
			5	184
			6	176
			7	183
		TMR1	REL	AJ516
		9.0	L	70
		17.0	U	72
			1	415
			1B	406
			1M	8
			2	56
			2M	78
			3	268
			3B	269
			4	57
			4M	58
			5	55
			5M	53
			6	206
			6B	207
			7	438
			7M	204
			8	271
			8M	272
			9	440
			9B	39
			10	415
			10B	49
			11	173
			11B	285
			12	44
			12B	441
			12M	461
		TMR1-L	TERM	208A
		5.0	B	413
		17.0	T	413
		TMR1-U	TERM	208A
		5.0	B	461
		17.0	T	461
		TMR2	REL	AJ516
		11.1	L	241
		15.0	U	240
			1	70
			1M	421
			2	233
			2B	237
			2M	232
			3	194
			3M	413
			4	235
			4B	421
			5	286
			5M	287
			6	42
			6B	290
			6M	291
			7	403
			7M	369
			8	290
			8M	41
			9	254
			9M	259
			10	272
			10M	273
			11	415
			11B	49
			11M	48
			12	415
			12B	406
ZK		TMR2	TERM	208A
		11.1	B	415
		15.0	T	415
		TMR3	REL	AJ516
		5.5	L	254
		13.0	U	255
			2	76
			2M	75
			3B	61
			3M	62
			4	279
			4M	283
			5	415
			5B	8
			6	275
			6B	274
			7	265
			7B	266
			9	372
			9B	414
			9M	189
		TM1	CONN	910A E/W D3 CP
		7.5	1	73
		17.0	2	70
			3	421
			5	415
			6	72
			7	70
		TM2	CONN	910A E/W D3 CP
		12.3	1	243
		15.0	2	241
			3	421
			5	415
			6	240
				CONTINUED

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
				CONTINUED
			7	241
		TM3	CONN	910A E/W D3 CP
		4.0	1	256
		13.0	2	254
			3	421
			5	415
			6	255
			7	254
		TN	CAP	441QJ
		12.6	B	93
		9.0	T	91
		TN	RC	142C
		16.7	1	417
		11.0	2	42
			3	94
			4	41
			5	88
			6	93
		TN	RESLP	13L
		9.8	L	89
		13.0	R	417
		TN1	CAP	441QJ
		19.7	B	147/Q/
		5.0	T	146/Y,Z,YL,YQ/, 454/F,YR/
		TN1	RESLP	13L
		16.7	L	83
		13.0	R	412
		TN2	RESLP	13L
		17.7	L	83
		13.0	R	412
		TR	REL	AJ516
		11.6	L	420
		7.0	U	331
			1	330
			1M	331
			2	41
			2B	182
			3	347
			3M	348
			4	350
			4M	349
			5	181
			5B	42
			6	444
			6B	351
			8	416,472/F,YL/
			8M	460
YM		TRA	REL	AJ118
		13.1	L	350
		7.0	U	460
			6	329
			6B	330
X		TRA	TERM	214A
		13.1	1B	33
		7.0	1T	433/X/
		TRT	REL	AK4
		7.7	8	336
		7.0	8M	337
			9	309
			9M	310
			1U	337
			10	345
			10M	346/ZJ/,495/ZK/
			2U	420
		TST	REL	AK4
		6.2	8	436
		15.0	8B	205
			9	203
			9M	204
			1U	204
			10	41
			10M	42
			11	199
			11M	200
			12	193
			12M	193
			2U	421
		TT	REL	AK4
		4.7	8	187
		7.0	8M	416
			9	259
			9M	420
			1U	550
			10	382
			10B	381
			10M	414
			11	169
			11B	388
			12	410
			12M	374
			2U	420
		T1	TRNSF	373F
		12.5	2	424
		1.0	4	425
			7	379
			12	380

FIG	& OPT	FUNC DESIG XLOC YLOC	TYPE TERM	CODE RUN /OPT/
		1CGD	ETS	KS-14226 E/W
		19.7		303C REL
		9.0	1F	188
			3F	371
			5F	189
			6F	42
			8F	193
		11	CONN	905B EW A964 CP
		19.1	0	382
		2.0	1	377
			2	370
			3	383
			4	384
			5	377
			6	386
			8	387
			10	385
			13	414
			17	388
			19	390
			21	368
			22	369
			23	391
			24	389
			25	186
			27	378
		13	CONN	905B EW
		19.9		A963/ZJ/,A963B/ZK/ CP
		2.0	0	399/ZJ/,490/ZK/
			2	395
			4	401
			5	369
			8	402
			10	403
			13	414
			14	422
			17	496/ZK/
			19	496
			25	413
			27	400
		16	CONN	905B EW
		21.1		A962/YF/,A962B/YG/ CP
		2.0	0	367
			14	422
			15	394
			22	393
			24	392
			27	395
		3	CONN	905B EW A966 CP
		15.9	13	414
		2.0	19	442
			23	379
			24	380
			25	405
			26	410
		5	CONN	905B EW A973 CP
		16.7	2	383
		2.0	4	384
			6	385
			8	386
			10	377
			12	387
			13	414
			17	410
			21	378
			23	376
			25	375
			27	442
		8	CONN	905B EW
		17.9		A1246B/ZY,ZZ/ CP
		2.0	0	397
			1	371
			2	372
			3	376
			4	478
			5	480
			6	367
			7	476
			8	479
			9	495/ZK/
			10	397
			11	496
			12	398,549
			13	414
			14	422
			17	375
			18	410
			20	536
			21	483
			22	373
			24	481
			25	413
			26	410

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T*1C297-12	SHEET B2	ISSUE 25

FIG & OPT	NET CODE	FUNC DESIG	TERM	XLOC	YLOC
	185A	ADS	U & L	3.2	19.0
		ANS1	1L & 2U	4.7	5.0
		ANS2	2L & 1U	4.7	5.0
		ATC1	1L & 2L	6.2	11.0
		ATC2	U & L	4.7	11.0
		ATC3	1U & 2U	6.2	11.0
		AUX1	U & L	3.2	15.0
		AUX2	U & L	14.2	13.0
		AUX3	1L & 2U	16.7	15.0
		AUX4	2L & 1U	16.7	15.0
	185A	BCA	1L & 2L	10.7	5.0
		BCB	U & L	12.2	5.0
		BCC	U & L	13.7	5.0
		BCD	U & L	15.2	5.0
		BCE	1L & 2L	16.7	5.0
		BCF	1U & 2U	16.7	5.0
		BP	U & L	1.7	7.0
ZO	185A	CAL1	1L & 2L	8.6	9.0
ZO		CAL2	1U & 2U	8.6	9.0
		CGA	2L & 1U	8.5	13.0
		COL	1L & 2L	7.2	19.0
		CPT	U & L	5.2	17.0
		CR	1L & 2L	3.2	7.0
ZO		CRM	1U & 2U	10.1	9.0
		CT	1L & 2U	10.1	7.0
	185A	D1N	U & L	11.2	13.0
	185A	ELT	1L & 2U	6.2	15.0
		ETT	1L & 2L	4.7	7.0
Z	185A	F	U & L	19.2	19.0
ZK		FEMF	1L & 2L	11.6	9.0
	185A	GRT	1L & 2U	1.7	17.0
	186A	INTR	U & L	6.2	7.0
	185A	LLT	U & L	7.7	15.0
		LRT	U & L	1.7	19.0
	185A	OH	U & L	11.6	17.0
		ON	U & L	12.7	13.0
	185A	PS	U & L	7.0	13.0
		P1	U & L	14.8	11.0
		P2	U & L	13.3	11.0
		P3	U & L	11.8	11.0
		P4	U & L	10.3	11.0
		P5	U & L	8.8	11.0
	185A	RC	1U & 2U	16.7	17.0
		RET	1U & 2U	7.2	19.0
		RHU	2L & 1U	10.1	7.0
		RT	U & L	3.2	17.0
		RTN	1U & 2U	3.2	7.0
		RTT	2L & 1U	1.7	17.0
	185A	SN	1L & 2L	7.7	7.0
		SR	U & L	18.1	9.0
		STP	1L & 2U	8.5	13.0
	185A	TC	U & L	4.7	15.0
		TR	U & L	11.6	7.0
		TRT	1U & 2U	7.7	7.0
		TST	2L & 1U	6.2	15.0
		TT	1U & 2U	4.7	7.0

PT SYM	OPT	FIG & FUNC DESIG	TYPE	CODE	XLOC	YLOC	TERM	C O L R	VALUE COLOR CODE
AA		RA	NET	185A	18.1	11.0			
		RA	REL				1L		
		RA	REL				1U		
AB		1CGD	DIODE	533K	12.7	13.0			
		ON	REL				11		
		ON	TERM				T	TO	
AC		CR2	DIODE	533K	9.0	17.0			
		TMR1-U	TERM				B		
		TMR1-L	TERM				B	TO	
AD		CR46	DIODE	533K	16.7	17.0			
		CGD	REL				2L		
		CGD	REL				1L	TO	
AE		D	CORD	KS-7586,L1-3	11.1	1.0			
		D	TS				2B	BK	
		D	TS				2T	W	
AF		CR17	DIODE	533K	7.0	13.0			
		PS	TERM				2T		
		PS	REL				7B	TO	
AG		CR18	DIODE	533K	7.0	13.0			
		PS	TERM				2B		
		PS	REL				7B	TO	
AH		HG	RES	KS-19152,L1	13.1	7.0			2400 OHMS R-YEL-R
		TRA	TERM				1B		
		TRA	TERM				1T		
AJ		LHR	RES	KS-14603,L1AD	11.2	13.0			1000 OHMS BR-BK-R
		D1N	REL				6M		
		D1N	TERM				T		
AK		SNA	NET	186B	7.7	7.0			
		SN	REL				1M		
		SN	TERM				T		
BC		BPR	DIODE	533K	10.7	5.0			
		BPR	REL				2U		
		BPR	REL				1U	TO	
BD		CG	RES	KS-13491,L2	3.2	15.0			1000 OHMS BR-BK-R
		AUX1	TERM				1T		
		AUX1	TERM				1B		
BE		S1	DIODE	533K	11.6	17.0			
		OH-U	TERM				T		
		OH-L	TERM				B	TO	
BF	ZK	CR76	DIODE	533K	11.6	9.0			
	ZK	FEMF	TERM				T		
	ZK	FEMF	REL				1M	TO	
BG	ZK	LFP	CAP	596G	11.6	9.0			1.47MF
	ZK	LFP	REL				2U		
	ZK	LFP	REL				1U		
BH	ZK&YW	LFP	RES	KS-20289,L6C	11.6	9.0			681 OHMS
	ZK&YW	LFP	TERM				T		
	ZK&YW	LFP	REL				2U		
BJ	ZK	AUX5	DIODE	533K	10.1	9.0			
	ZK	AUX5	REL				2L		
	ZK	AUX5	REL				1L	TO	
BK	ZK	TMR2	RES	KS-19151	11.1	15.0			1000 OHMS BR-BK-R
	ZK	TMR2	TERM				T		
	ZK	TMR2	REL				2B		
BL	ZK	TA	RES	KS-20289,L6C	10.1	9.0			196 OHMS
	ZK	AUX5	TERM				T		
	ZK	AUX5	REL				3		

PT SYM	OPT	FIG & FUNC DESIG	TYPE	CODE	XLOC	YLOC	TERM	C O L R	VALUE COLOR CODE
BM	ZK	RA	RES	KS-20289,L6C	10.1	9.0			196 OHMS
	ZK	AUX5	TERM				T		
	ZK	AUX5	REL				1		
BN	ZO	RET	RES	KS-14603,L1AD	10.1	9.0			196 OHMS
	ZO	CRM	REL				11M		
	ZO	CRM	REL				11		
BO	ZO	COL	RES	KS-14603,L1AD	10.1	9.0			196 OHMS
	ZO	CRM	REL				10M		
	ZO	CRM	REL				10		
BP	ZO&ZS&ZR	R82	RES	KS-20810,L1A	7.5	9.0			100K OHMS
	ZS&ZR	CA21	BASE				10		
	ZS&ZR	CA21	BASE				4		
BQ	ZO&ZS&ZR	R83	RES	KS-20810,L1A	7.5	9.0			100K OHMS
	ZS&ZR	CA21	BASE				10		
	ZS&ZR	CA21	BASE				2		
BR	ZO,YW	R84	RES	KS-20810,L1A	13.5	15.0			41.7K OHMS
	ZO,YW	CA16	BASE				12		
	ZO,YW	CA16	BASE				4		
BS	ZO,YW	R85	RES	KS-20810,L1A	9.0	15.0			41.7K OHMS
	ZO,YW	CA15	BASE				12		
	ZO,YW	CA15	BASE				2		
BT	ZO&ZS	C24	CAP	535J	7.5	9.0			2.0 MFD
	ZO&ZS	CA21	BASE				10		
	ZO&ZS	CA21	BASE				9		
BU	ZO&ZT	C24	CAP	535J	7.5	9.0			2.0 MFD
	ZO&ZT	CA21	BASE				10		
	ZO&ZT	CA21	BASE				9		
BV	ZO&ZU	C24	CAP	535J	7.5	9.0			2.0 MFD
	ZO&ZU	CA22	BASE				10		
	ZO&ZU	CA22	BASE				9		
BW	ZO&ZS	C23	CAP	535J	7.5	9.0			2.0 MFD
	ZO&ZS	CA21	BASE				12		
	ZO&ZS	CA21	BASE				10		
BX	ZO&ZT	C23	CAP	535J	7.5	9.0			2.0 MFD
	ZO&ZT	CA21	BASE				12		
	ZO&ZT	CA21	BASE				10		
BY	ZO&ZU	C23	CAP	535J	7.5	9.0			2.0 MFD
	ZO&ZU	CA22	BASE				12		
	ZO&ZU	CA22	BASE				10		
BZ	ZO&ZT	R86	RES	KS-20810,L1A	7.5	9.0			150 OHMS
	ZO&ZT	CA21	BASE				5		
	ZO&ZT	CA21	BASE				1		
CA	ZO&ZU	R86	RES	KS-20810,L1A	7.5	9.0			150 OHMS
	ZO&ZU	CA22	BASE				5		
	ZO&ZU	CA22	BASE				1		
CB	ZK,YC	1CGD	RES	KS-19151,L1	16.7	17.0			4.7K OHMS
	ZK,YC	RC	REL				11		
	ZK,YC	RC-U	TERM				B		
CC	ZX	CR106	DIODE	533K	8.0	5.0			
	ZX	CA12	BASE				4		
	ZX	CA12	BASE				11	TO	
CD	ZX	CR107	DIODE	533K	15.2	5.0			
	ZX	BCD	REL				4B		
	ZX	BCD	TERM				B	TO	
CE	YM	RT1	THERM	8C	4.7	19.0			
	YM	SUPV	REL				8M		
	YM	SUPV	TERM				B		

PT SYM	NO OPT	FIG & FUNC DESIG	TYPE	CODE	XLOC	YLOC	TERM	C O L R	VALUE COLOR CODE
CF		Z0&YM	R86	RES	KS-20289,L6C	7.5	9.0		750 OHMS
		Z0&YM	CA22	BASE			5		
		Z0&YM	CA22	BASE			1		
CG		Z0&YM	C24	CAP	535J	7.5	9.0		2.0 MFD
		Z0&YM	CA22	BASE			10		
		Z0&YM	CA22	BASE			9		
CH		Z0&YM	C23	CAP	535J	7.5	9.0		2.0 MFD
		Z0&YM	CA22	BASE			12		
		Z0&YM	CA22	BASE			10		
CI		YX	ETT	RES	KS-20289,L6C	4.7	7.0		5.11K OHMS
		YX	ETT	REL			2L		
		YX	ETT	TERM			B		
CJ	67	YK,YX	C25	CAP	542G	13.5	15.0		
	67	YK,YX	CA16	BASE			12		
	67	YK,YX	CA16	BASE			4		
CK	67	YK,YX	C26	CAP	542G	9.0	15.0		
	67	YK,YX	CA15	BASE			12		
	67	YK,YX	CA15	BASE			2		
CL		YX	R87	RES	KS-20810,L1A	16.7	15.0		41.7K OHMS
		YX	AUX4	REL			1U		
		YX	AUX4	REL			9		
CM		ZK&YX	LFP	RES	KS-20289,L6C	11.6	9.0		1.47K OHMS
		ZK&YX	LFP	TERM			T		
		ZK&YX	LFP	REL			2U		
CN		ZK&YS	LFP2	CAP	596G	11.6	9.0		1.0 MFD
		ZK&YS	LFP	REL			1U		
		ZK&YS	LFP	REL			2U		

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MEL H	WRG CONV SYM
4	REL	SUPV	8M#	YN		SW1
	REL	OH	11 #			SW1
	REL	DISC	1			
	REL	OH	11	YM		SW1
	TERM	SUPV	T @			
	TERM	SUPV	B @			CE
5	REL	DISC	1B			SW1
	REL	OH	U			NET
6	REL	F	2	Z		SW1
	REL	OH	11B			
7	REL	RC	8			SW1
	CONN	DISC	3			SW1
	CONN	DISC	2			SW1
	BASE	CA1	6			SW1
	REL	CT	1			
8	REL	DISC	4			SW1
	REL	TMR1	1M#	F,YM		SW1
	REL	TMR3	5B	F,YH,YM		SW1
	REL	LLT	10 #			
	REL	TMR1	1M	Y,Z		SW1
	REL	PS	9M			
	REL	PS	12M			SW1
	REL	LLT	10			
9	CONN	DISC	6			SW1
	REL	DISC	U			SW1
	REL	DISC	4M			SW1
	REL	RA	4M	F,YA,YM		SW1
	REL	CGD	3M			
10	REL	SR	6B			SW1
	REL	RA	4			
11	CONN	DISC	1			SW1
	BASE	CA1	11			
12	REL	OH	3B	Z		SW1
	REL	DISC	6B			
13	TS	A	57	Z		SW1
	REL	F	4M			
14	TS	A	55			SW1
	REL	DISC	11M			
15	BASE	CA5	5			SW1
	REL	OH	10M			
16	TS	C	54	Z		SW1
	BASE	CA5	8			
17	TS	C	44	Z		SW1
	BASE	CA5	7			
18	TS	C	15			SW1
	BASE	CA5	6			
19	TS	A	27	Z		SW1
	REL	F	U			NET
20	REL	OH	2M			SW1
	BASE	CA2	6			SW1
	BASE	CA11	2			
21	TS	A	37	Z		SW1
	SW	MB	3/1T			
22	SW	MB	2/1M	Z		SW1
	REL	DISC	5			
23	SW	MB	1/1B	Z		SW1
	REL	F	10	Z		SW1
	TS	A	18			
24	REL	OH	5			SW1
	REL	DISC	5B			
25	REL	F	L	Z		SW1 NET
	REL	F	10M	Z		SW1
	REL	OH	5B			
26	SW	MB	5/2M	Z		SW1
	REL	DISC	6			
27	TS	A	47	Z		SW1
	SW	MB	4/2B			
28	TS	A	56	Z		SW1
	SW	MB	6/2T			
29	TS	A	28	Z		SW1
	REL	F	2M			
30	TERM	OH-L	B @			BE
	TERM	OH-L	T @	ZH		SW1
	REL	OH	4M			SW1
	REL	DISC	3M	Y		SW1
	TS	A	28			
31	TS	A	38	Z		SW1
	RES	R1	B			
32	TERM	OH-U	T @			BE
	TERM	OH-U	B @	ZH		SW1
	REL	OH	3M#	Y,Z		SW1
	REL	DISC	2M#	Y,Z		SW1
	TS	A	38			

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MEL H	COL R	WRG CONV SYM
	REL	DISC	2M	Z			SW1
	RES	R1	T				
	TS	A	38	# R			SW1
	RES	LRS	T				
	JK	TJ	3	B			SW1
	REL	OH	3M#				
	TS	A	38	F			SW1
	REL	PS	9M	F			SW1
	REL	OH	3M				
	TS	A	38	YM			SW1
	BASE	CA23	8	YM			SW1
	JK	TJ	2				
33	REL	ON	1				SW1
	BASE	CA1	12	X			SW1
	TERM	TRA	1B	&			AH
	TERM	TRA	1B				
	REL	HG1	14	X			SW1
	REL	LG1	14	X			SW1
	REL	LG2	14	X			SW1
	REL	HG2	14	X			SW1
	REL	HG3	14	X			SW1
	REL	LG3	14	X			SW1
	REL	LG4	14	X			SW1
	REL	STR	14	X			SW1
	TS	C	53				
34	REL	AUX2	5				SW1
	REL	ON	4M				SW1
	REL	D1N	9				SW1
	REL	SR	6	X			SW1
	REL	STR	7				
35	BASE	CA2	5				SW1 G-S
	ETS	SHF	8F				
36	ETS	SHF	6F				SW1 BL
	BASE	CA2	9				SW1
	REL	CGA	8B				
37	REL	SN	2				SW1
	REL	CPT	1M				
38	REL	CGA	8M				SW1
	REL	PS	1B				
39	REL	CPT	2				SW1
	REL	TMR1	9B				SW1
	REL	CGA	8				
40	REL	CPT	2M				SW1
	REL	RTT	8				
41	REL	ADS	1M#	ZJ			SW1
	REL	LRT	1M				SW1
	REL	GRT	1M	ZJ&ZP			SW1
	REL	RTT	10M#				SW1
	REL	RTT	8B				SW1
	REL	OH	1B#	ZP			SW1
	REL	TMR2	8M#	ZP			SW1
	REL	ON	10 #				SW1
	RC	TN	4				SW1
	REL	RHU	9				SW1
	REL	TR	2	ZK			SW1
	REL	FEMF	4B	ZK			SW1
	REL	AUX5	1M	ZK			SW1
	REL	ADS	1M#	S			SW1
	REL	TST	10				
	REL	ADS	1M#	ZK			SW1
	REL	RTT	10M#				
	REL	OH	1B	ZO			SW1
	REL	CAL1	4B	ZO			SW1
	REL	ON	10				
	REL	TMR2	8M	ZO			SW1
	REL	CAL2	9				
	REL	ADS	1M	ZJ&ZO			SW1
	REL	RTT	10M				
42	REL	ADS	2M#				SW1
	REL	RTT	9M#	ZP			SW1
	REL	RT	11M#	ZP			SW1
	REL	CPT	3 #				SW1
	REL	OH	9 #	ZP			SW1
	REL	TMR2	6 #	ZP			SW1
	REL	ON	11 #				SW1 AB
	RC	TN	2				SW1 G
	ETS	1CGD	6F				SW1 G
	REL	RHU	8B				SW1
	REL	TR	5B#	ZK&ZP			SW1
	REL	FEMF	4M#	ZK&ZP			SW1
	REL	AUX5	3M#				
	REL	ADS	2M	S			SW1
	REL	TST	10M				
	REL	RTT	9M	ZO			SW1
	REL	CPT	3				
	REL	OH	9	ZO			SW1
	REL	ON	11				
	REL	TR	5B#	ZK&ZO			SW1
	REL	AUX5	3M	ZK&ZO			SW1
	REL	CAL2	11B#	ZO			SW1

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MEL H	COL R	WRG CONV SYM
	REL	CAL1	5B#				
	REL	CAL1	2	ZO			SW1
	REL	RT	11M	ZK&ZO			SW1
	REL	FEMF	4M				
	REL	TMR2	6	ZO			SW1
	REL	CAL2	8				
	REL	TR	5B	ZJ&ZO			SW1
	REL	CAL2	11B	ZJ&ZO			SW1
	REL	CAL1	5B				
43	BASE	CA5	3	ZJ			SW1
	REL	RTT	9B				SW1
	REL	PS	12				
44	REL	CPT	3M				SW1
	REL	TMR1	12				
45	REL	SN	3				SW1
	REL	RTT	10B				
47	RESLP	RB	L				SW1
	BASE	CA13	1				
48	REL	TMR2	11M				SW1
	REL	PS	3				
49	REL	TMR1	10B				SW1
	REL	TMR2	11B				SW1
	REL	CGA	10B				SW1
	REL	PS	2				
50	REL	PS	2M				SW1
	REL	ON	3B				
51	REL	CPT	4				SW1
	REL	ON	3				SW1
	REL	BP	12M				
52	REL	CPT	U				SW1 NET
	REL	CPT	4M				SW1
	REL	PS	3B				SW1
	REL	STP	4M				SW1
	REL	D1N	2M#	YW			SW1
	REL	ETT	5M				
	REL	D1N	2M	YX			SW1
	REL	ETT	1M				
53	REL	TMR1	5M				SW1
	BASE	CA6	5				
54	BASE	CA6	10				SW1
	REL	AUX1	U				NET
55	REL	ADS	3M				SW1
	REL	RET	12M				SW1
	REL	COL	1M				SW1
	REL	TMR1	5				SW1
	BASE	CA13	2				SW1
	REL	TC	8				SW1
	REL	ATC2	1				SW1
	REL	ATC2	9				SW1
	REL	ATC3	11				SW1
	REL	ATC1	5				SW1
	REL	ATC3	8M	ZO			SW1
	REL	ATC2	12	ZO			SW1
	REL	CRM	8M				
56	REL	CPT	6M				SW1
	BASE	CA6	4				SW1
	REL	TMR1	2				SW1
	REL	AUX3	2				SW1 G-S
	ETS	CG	3F				
57	REL	TMR1	4				SW1 G-W
	ETS	CG	5F				
58	REL	TMR1	4M				SW1
	REL	CGA	9				
59	BASE	CA14	5				SW1
	REL	CGA	9B				SW1
	REL	CT	1L				NET
60	ETS	CG	1F				SW1 BL
	BASE	CA7	4				SW1
	REL	PS	6				
61	REL	PS	6B				SW1
	REL	TMR3	3B				
62	REL	TMR3	3M				SW1
	BASE	CA7	12				
63	BASE	CA7	10				SW1
	REL	CGA	1U				NET
64	REL	AUX1	1M				SW1
	REL	CGA	12				
65	REL	CGA	12M				SW1
	REL	PS	8				SW1
	BASE	CA7	3				
66	REL	PS	8M				SW1
	REL	CPT	10				
67	REL	CPT	10M				SW1
	REL	RTT	1U				NET
68	REL	CPT	5				SW1

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MEL H	COL R	WRG CONV SYM
	BASE	CA6	3				
69	REL	CPT	5M				SW1
	REL	RTT	11				
70	BASE	CA6	9				SW1
	CONN	TM1	2				SW1
	CONN	TM1	7				SW1
	REL	TMR1	L				SW1
	REL	TMR2	1				SW1
	REL	AUX4	8B				
71	REL	AUX4	8				SW1
	REL	RT	1M				
72	REL	TMR1	U				SW1
	CONN	TM1	6				
73	BASE	CA6	1				SW1
	CONN	TM1	1				
74	REL	RT	3B	ZJ			SW1
	BASE	CA6	11				SW1
	REL	AUX4	9M	ZK			SW1
	REL	AUX1	11M				
75	REL	TMR3	2M				SW1
	BASE	CA7	6				SW1
	BASE	CA3	3				SW1
	REL	ETT	4M				SW1
	REL	INTR	3				
76	REL	TMR3	2				SW1
	REL	PS	5				SW1 G-BR
	ETS	SHF	5F				
78	REL	TMR1	2M				SW1 G-W
	ETS	SHF	3F				
79	REL	AUX3	1				SW1 G
	ETS	SHF	1F				
80	TS	A	23				SW1
	REL	CPT	7M				SW1
	REL	TC	12M				SW1
	REL	ELT	5M				SW1
	REL	AUX3	1M				SW1
	REL	AUX2	5B				SW1
	REL	ON	U				SW1 NET
	REL	D1N	9B#	ZP			SW1
	REL	P3	5M	ZP			SW1
	REL	P3	5B#				SW1
	REL	P3	9B#	ZP			SW1
	REL	P2	8M#	ZJ&ZP			SW1
	REL	P2	8B	ZJ			SW1
	REL	P1	11M#				SW1
	REL	P1	10M	X			SW1
	REL	STR	9				
	REL	P2	8M	ZK&ZP			SW1
	REL	P1	11M	ZO			SW1
	REL	P3	9B				
	REL	D1N	9B	ZO			SW1
	REL	P3	5B				
81	REL	PS	U				SW1 NET
	REL	PS	4M				SW1
	BASE	CA17	5				
82	REL	PS	4				SW1
	REL	DISC	7M				SW1
83	RESLP	TN2	L				SW1
	RESLP	TN1	L				SW1
	REL	OH	6M				
84	REL	OH	12	V			SW1
	BASE	CA4	1				
85	DIODE	CR68	2	W			SW1
	DIODE	CR67	1				
86	TS	C	58	X			SW1
	REL	ON	11M				
87	TS	C	48	X			SW1
	REL	ON	10M				
88	REL	ON	8M				SW1
	RC	TN	5				SW1
	REL	BP	2M				
89	REL	ON	8				SW1
	RESLP	TN	L				SW1
	REL	BP	2				
90	REL	ON	7M				SW1
	REL	INTR	4				
91	TS	A	43				SW1
	REL	ON	7				SW1
	CAP	TN	T				SW1
	REL	CT	3				SW1
	REL	BPR	12				
92	TS	A	33				SW1
	REL	CT	3M				SW1
	REL	INTR	2				
93	RC	TN	6				SW1
	BASE	CA9	4				SW1
	CAP	TN	B				

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MEL H	COL R	WRG CONV SYM
94	RC	TN	3				SW1
	REL	BP	4				SW1
	REL	CT	2M	X			SW1
	REL	STR	5				
95	REL	ON	9M				SW1
	REL	RA	1U				AA
96	REL	RA	2L				SW1
	REL	RA	6M				
97	REL	RA	2U				SW1
	REL	RA	6				
98	REL	ON	9				SW1
	REL	SR	10M				
99	REL	SR	10				SW1 G-S
	ETS	L	5F				
100	REL	CT	2				SW1
	CAP	CT	B				
101	REL	ON	2				SW1
	REL	BP	4B				
102	REL	D1N	6B				SW1
	REL	ON	2M				
103	BASE	CA13	12				SW1
	REL	RTT	10				SW1
	REL	BP	4M				SW1
	CAP	TB	B #	X&YP			SW1
	REL	STR	3 #				
	CAP	TB	B	X&YO			SW1
	REL	D1N	1				
	REL	D1N	1M	X&YO			SW1
	REL	STR	3				
104	REL	D1N	6				SW1
	CAP	LW	B				SW1
	BASE	CA9	2				
105	BASE	CA9	11				SW1 BL-O
	ETS	L	11F				
106	BASE	CA9	1				SW1
	CAP	LW	T				
107	RES	LA	T				SW1 BL-W
	ETS	L	9F				
108	RES	LB	T				SW1
	CAP	PH	T				SW1 BL
	ETS	L	7F				
109	RES	LC	B				SW1
	RES	LB	B				
110	ETS	L	8F				SW1
	ETS	L	1F				SW1
	REL	SR	U				SW1 NET
	CAP	PH	B				
111	REL	D1N	5				SW1
	REL	ON	5				SW1
	REL	AUX2	1				SW1 G-W
	ETS	L	2F				
112	REL	D1N	5B				SW1
	REL	ON	5B				SW1
	REL	AUX2	1M				SW1
	REL	P1	2				
113	REL	P2	1M				SW1
	REL	P2	9B				SW1
	REL	P1	3				SW1
	REL	SR	2M				
114	REL	P2	9M				SW1
	REL	P2	1B				SW1
	REL	P1	2M				
115	REL	P1	U				SW1 NET
	REL	P2	9	X			SW1
	REL	HG1	9	X			SW1
	REL	HG1	4	X			SW1
	REL	LG1	4	X			SW1
	REL	HG2	6	X			SW1
	REL	LG3	4				
116	REL	P2	1				SW1
	REL	P2	U				NET
117	REL	P2	2M				SW1
	REL	P1	4				
118	REL	P1	4M				SW1
	REL	P3	7				
119	REL	P1	4B				SW1
	REL	P5	1				
120	REL	P5	1M				SW1
	REL	P4	1M				
121	REL	P5	1B				SW1
	REL	P4	1B				
122	REL	P1	5B				SW1
	REL	P2	3M				SW1
	REL	P3	U				SW1 NET
	REL	P4	1				SW1

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MEL H	WRG CONV SYM
123	REL	P4	2M			SW1
	REL	P5	2M			
124	REL	P4	2B			SW1
	REL	P5	2B			
125	REL	P5	2			SW1
	REL	P3	6M			SW1
	REL	P2	3			SW1
	REL	P1	5			
126	REL	P3	7M			SW1
	REL	P5	7			
127	REL	P4	U			SW1 NET
	REL	P4	8M			SW1
	REL	P5	7B	X		SW1
	REL	HG2	5	X		SW1
	REL	LG2	4	X		SW1
	REL	LG3	9			
128	REL	P5	3B			SW1
	REL	P4	8			SW1
	REL	P3	1B			SW1
	REL	P2	4B			SW1
	REL	P1	6B			
129	REL	P1	7B			SW1
	REL	P3	2			
130	REL	P3	2B			SW1
	REL	P2	5			
131	REL	P2	5B			SW1
	REL	P4	3			
132	REL	P4	3M			SW1
	REL	P5	U			SW1 NET
	REL	P5	4M	X		SW1
	REL	LG3	12	X		SW1
	REL	HG3	5	X		SW1
	REL	LG4	2	X		SW1
	REL	LG4	5			
133	REL	D1N	4			SW1
	REL	ON	6B			SW1
	REL	AUX2	2			SW1
	REL	P1	7			SW1
	REL	P1	6			SW1
	REL	P1	3M			SW1
	REL	P2	2			SW1
	REL	P2	4			SW1
	REL	P3	1			SW1
	REL	P3	6			SW1
	REL	P5	3			SW1
	REL	P5	4			
134	BASE	CA2	11			SW1
	REL	AUX2	2M			SW1
	REL	ON	6			SW1
	REL	D1N	4B			
135	REL	AUX2	4M			SW1
	REL	STP	1L			NET
136	REL	STP	2M			SW1
	REL	AUX2	4			SW1
	REL	SR	4M			
137	REL	RA	5B			SW1
	REL	SR	4			
138	REL	ON	4			SW1
	REL	AUX2	10			SW1
	BASE	CA2	12			
139	REL	AUX2	10M			SW1
	REL	STP	1			
140	REL	ON	4B			SW1
	REL	D1N	12			
141	REL	STP	1M			SW1
	REL	D1N	12M			SW1
	REL	D1N	U			NET
142	REL	D1N	8B			SW1
	REL	AUX2	6			SW1
	REL	RA	8			
143	REL	AUX2	U			SW1 NET
	REL	AUX2	6M			SW1
	REL	RA	8M	X		SW1
	REL	STR	4			
144	BASE	CA2	2			SW1
	REL	D1N	8	X		SW1
	REL	STR	2			
145	TS	C	35	Y,Z,YL,YQ		SW1
	REL	INTR	2B	Y,Z,YL,YQ		SW1
	REL	BPR	12M			
146	TS	C	55	Y,Z,YL,YQ		SW1
	CAP	TN1	T			
147	REL	INTR	2M			SW1

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MEL H	WRG CONV SYM
	REL	INTR	4M#	Q&YN		SW1
	BASE	CA10	11	YN		SW1
	CAP	TN1	B #			
	REL	INTR	4M	Q&YM		SW1
	CAP	TN1	B			
148	REL	ON	12B			SW1
	REL	AUX2	8			
149	REL	AUX2	8B			SW1
	REL	CPT	8			
150	REL	CPT	8B			SW1
	REL	P5	5			
151	REL	STP	4			SW1
	REL	D1N	2			SW1
	REL	AUX2	8M			
152	REL	P5	5B			SW1
	REL	P4	4			
153	REL	P5	5M			SW1
	REL	P4	5			
154	REL	P4	5B			SW1
	REL	P2	7			
155	REL	P4	5M			SW1
	REL	P1	9			
156	REL	P1	9B			SW1
	REL	P3	4			
157	REL	P4	4M			SW1
	REL	P3	3			
158	REL	P3	3M			SW1
	REL	P2	6			
159	REL	P4	4B			SW1
	REL	P1	8			
160	REL	STP	3			SW1
	REL	D1N	10			SW1
	REL	AUX2	12M			
161	REL	D1N	10M			SW1
	REL	STP	3M			SW1
	REL	P5	6			
162	REL	P5	6B			SW1
	REL	P4	6			
163	REL	P4	6B			SW1
	REL	P1	10			
164	REL	P1	10B			SW1
	REL	P3	9			
165	REL	P5	6M			SW1
	REL	P4	7			
166	REL	P4	7B			SW1
	REL	P2	8			
167	REL	P4	7M			SW1
	REL	P1	11			
168	REL	P1	11B			SW1
	REL	P3	5			
169	REL	P3	3B			SW1
	REL	CR	2			SW1
	REL	CR	5 #	YW		SW1
	REL	ETT	1	YW		SW1
	REL	ETT	2	YW		SW1
	REL	TT	11 #			
	REL	CR	5	YX		SW1
	REL	ETT	5	YX		SW1
	REL	TT	11			
170	BASE	CA13	7			SW1
	REL	TC	10			SW1
	REL	P2	6B			
171	BASE	CA13	8			SW1
	REL	TC	11			SW1
	REL	P2	6M			
172	REL	P1	8B			SW1
	REL	P3	8			
173	REL	LRT	9 #			SW1
	REL	RT	4			SW1
	REL	TMR1	11			SW1
	REL	LLT	4			SW1
	REL	LLT	11			SW1
	REL	ELT	2			SW1
	REL	P3	8M	ZK		SW1
	REL	FEMF	2M			

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DWG SIZE C2

T*1C297-12

SHEET C1

ISSUE 25

RUN NO	TYPE	FUNC	DESIG	TER M	WRG OPT	MET H	COLOR	WRG CONV SYM
	REL	CPT	9	Z0		SW1		
	REL	LRT	9					
174	RESLP	SD1	R	G		SW1		
	REL	RC	12M			SW1		
	BASE	CA5	1			SW1		
	REL	DISC	8M			SW1		
	REL	CR	1M					
175	REL	CR	1			SW1		
	REL	DISC	8 #	ZP		SW1		
	BASE	CA5	12 #	ZP		SW1		
	REL	RC	12 #			SW1		
	REL	RET	11M	S		SW1		
	REL	RET	10M					
	REL	DISC	8	Z0		SW1		
	REL	CRM	11M	Z0		SW1		BN
	REL	RC	12					
	BASE	CA5	12	Z0		SW1		
	REL	CRM	11					BN
176	REL	RET	11			SW1		
	JK	TJ	6			SW1		
	TERM	SN	B					
177	REL	RET	11B			SW1		
	REL	COL	3					
178	BASE	CA5	11			SW1		
	REL	COL	3M	S		SW1		
	REL	COL	2M					
179	REL	RET	10B			SW1		
	REL	COL	2					
180	REL	RET	10			SW1		
	JK	TJ	4					
181	REL	COL	3B			SW1		
	REL	RHU	8			SW1		
	REL	TR	5					
182	REL	COL	2B#	YN		SW1		
	REL	RHU	12 #			SW1		
	REL	RHU	9B			SW1		
	REL	TR	2B					
	REL	COL	2B	YM		SW1		
	BASE	CA23	12					
	BASE	CA23	6	YM		SW1		
	REL	RHU	12					
183	TS	A	58			SW1		
	JK	TJ	7					
184	TS	A	48			SW1		
	JK	TJ	5					
186	REL	CR	2M#	YW		SW1		
	REL	ETT	1M	YW		SW1		
	REL	ETT	1L			SW1		NET
	CONN	11	25					
	REL	CR	2M	YX		SW1		
	REL	ETT	5M	YX		SW1		
	REL	ETT	1L					NET
187	REL	TT	8			SW1		
	REL	CR	2L			SW1		NET
	BASE	CA18	7					
188	ETS	1CGD	1F			SW1	G-W	
	REL	CGD	2L					AD
189	ETS	1CGD	5F			SW1	G-BR	
	REL	TMR3	9M					
190	REL	OH	1			SW1		
	REL	DISC	9B					
193	REL	RC	11			SW1		CB
	REL	TST	12 #	ZJ,YB		SW1		
	TERM	ON	B			SW1	G-S	
	ETS	1CGD	8F #	ZJ,YB		SW1	0	
	REL	CR	3					
	REL	TST	12	ZK,YC		SW1		
	REL	CR	3					
	ETS	1CGD	8F	ZK,YC		SW1	0	
	TERM	RC-U	T					
194	REL	CR	3M			SW1		
	REL	TMR2	3					
195	REL	ATC2	2M			SW1		
	REL	ATC3	10					
196	REL	ATC2	2B			SW1		
	REL	ATC1	2					
197	REL	ATC1	2M			SW1		
	REL	ATC3	9					
198	BASE	CA12	12			SW1		
	REL	ATC3	9M					
199	REL	TST	11			SW1		
	REL	TC	L			SW1		NET
	REL	TC	7			SW1		
	BASE	CA12	5					

RUN NO	TYPE	FUNC	DESIG	TER M	MET H	WRG CONV SYM
200	REL	AUX1	2	SW1		
	REL	TST	11M			
201	BASE	CA13	6	SW1		
	REL	TC	U			NET
202	REL	TC	8B	SW1		
	REL	CGD	5			
203	REL	CGD	5B	SW1		
	REL	TST	9			
204	REL	TMR1	7M	SW1		
	REL	TST	1U	SW1	NET	
	REL	TST	9M			
205	REL	TST	8B	SW1		
	REL	TC	6			
206	REL	TC	6B	SW1		
	REL	TMR1	6			
207	BASE	CA13	11	SW1		
	REL	TMR1	6B			
208	BASE	CA13	5	SW1		
	REL	ADS	U	SW1	NET	
	REL	ADS	7M	SW1		
	REL	LRT	7M			
209	REL	ATC2	6	SW1		
	REL	ATC3	12M			
210	REL	ATC1	2L	SW1	NET	
	REL	ATC2	6B	SW1		
	RES	R40	B			
211	REL	ATC1	1L	SW1	NET	
	REL	ATC1	1	SW1		
	REL	ATC2	7B			
212	REL	ATC2	7	SW1		
	REL	ATC3	8			
213	REL	ATC1	1M	SW1		
	BASE	CA17	3			
214	BASE	CA17	8	SW1		
	REL	ATC3	11B	SW1		
	REL	ATC1	4			
215	BASE	CA17	7	SW1		
	REL	ATC1	4M			
216	BASE	CA17	2	SW1		
	REL	ATC2	U	SW1	NET	
	REL	ATC2	1M			
217	RES	R40	T	SW1		
	REL	ATC2	4B	SW1		
	REL	ATC2	L	SW1	NET	
	REL	ATC1	3B			
218	BASE	CA17	6	SW1		
	REL	ATC3	1U	SW1	NET	
	REL	ATC3	11M			
219	BASE	CA17	11	SW1		
	REL	ATC2	4M			
220	BASE	CA17	4	SW1		
	REL	ATC3	8B			
221	REL	COL	1	SW1		
	REL	RET	12	SW1		
	REL	ATC2	4	SW1		
	REL	ATC1	3	SW1		
	REL	ATC3	12	SW1		
	BASE	CA17	9			
222	REL	ADS	3	SW1		
	REL	SUPV	4M			
223	REL	SUPV	4	SW1		
	BASE	CA14	6			
224	REL	SUPV	6M	SW1		
	BASE	CA14	12			
225	REL	TC	10B	SW1		
	REL	AUX1	4			
226	REL	AUX1	4B	SW1		
	REL	SUPV	2			
227	BASE	CA14	1	SW1		
	REL	SUPV	2B			
228	REL	RC	10M	SW1		
	REL	DISC	10M	SW1		
	REL	RET	1U	SW1	NET	
	BASE	CA14	7	SW1		
	REL	CR	4M			
229	REL	TC	11B	SW1		
	REL	AUX1	7			
230	REL	AUX1	7B	SW1		
	REL	SUPV	12			
231	REL	SUPV	12B	SW1		
	BASE	CA14	8	SW1		
	REL	COL	1L			NET
232	BASE	CA14	2	SW1		
	CONTINUED					

RUN NO	TYPE	FUNC	DESIG	TER M	WRG OPT	MET H	WRG CONV SYM
	CONTINUED						
	REL	TMR2	2M			SW1	
	REL	AUX4	1U				NET,CL
233	REL	TMR2	2			SW1	
	BASE	CA16	12				BR,CJ
234	BASE	CA14	10			SW1	
	REL	RET	2U				NET
235	BASE	CA14	3			SW1	
	REL	TMR2	4			SW1	
	REL	AUX1	2B				
236	BASE	CA14	11			SW1	
	REL	COL	2L				NET
237	REL	LLT	2B			SW1	
	BASE	CA15	9	ZJ		SW1	
	REL	TMR2	2B				BK
238	REL	LLT	2			SW1	
	BASE	CA15	12				BS,CK
239	REL	LLT	2M			SW1	
	BASE	CA14	9				
240	REL	TMR2	U			SW1	
	CONN	TM2	6				
241	REL	OH	7M			SW1	
	REL	RTT	12			SW1	
	REL	LLT	1			SW1	
	REL	TMR2	L			SW1	
	CONN	TM2	7			SW1	
	CONN	TM2	2			SW1	
	REL	AUX4	12				
242	REL	LLT	10B			SW1	
	BASE	CA5	4	ZK		SW1	
	BASE	CA5	3				
243	BASE	CA5	10			SW1	
	BASE	CA16	11			SW1	
	CONN	TM2	1				
244	REL	LRT	2M			SW1	
	REL	RC	9				
245	REL	LRT	1			SW1	
	REL	RT	8M				
246	REL	GRT	2			SW1	
	REL	LRT	3B				
247	REL	GRT	4			SW1	
	REL	ANS1	2L				NET
248	REL	GRT	4B			SW1	
	REL	ANS1	1				
249	REL	LLT	6			SW1	
	REL	ANS1	1M				
250	REL	LRT	8 #			SW1	
	REL	ANS2	2U				NET
	REL	LRT	8 #	ZK&YW		SW1	
	REL	LFP	9M				
	REL	LRT	8	ZK&YX		SW1	
	REL	LFP	11M				
251	REL	LRT	4			SW1	
	REL	GRT	3			SW1	
	REL	RT	6M				
252	REL	ANS1	5			SW1	
	REL	ANS2	8B				
253	REL	LRT	5			SW1	
	REL	RT	2M			SW1	
	REL	ANS2	8	ZK		SW1	
	REL	AUX3	4				
254	REL	ADS	4			SW1	
	REL	RT	2 #	Y,Z		SW1	
	REL	TMR2	9 #	Y,Z		SW1	
	REL	CGA	11 #	Y,Z		SW1	
	REL	TMR3	L #			SW1	
	CONN	TM3	7			SW1	
	CONN	TM3	2	F,YM		SW1	
	REL	DISC	12				
	REL	RT	2	F,YM		SW1	
	REL	CGA	11	F,YM		SW1	
	REL	DISC	12B				
	REL	TMR2	9	F,YM		SW1	
	REL	TMR3	L				
255	REL	TMR3	U			SW1	
	CONN	TM3	6				
256	BASE	CA3	12			SW1	
	CONN	TM3	1				
257	BASE	CA3	5			SW1	
	REL	ADS	8B				
258	REL	ADS	8			SW1	
	REL	RT	7B			SW1	
	BASE	CA3	6				
259	BASE	CA1	1			SW1	
	CONTINUED						

RUN NO	TYPE	FUNC	DESIG	TER M	MET H	WRG CONV SYM
	CONTINUED					
	REL	TMR2	9M		SW1	
	REL	TT	9			
260	REL	LLT	12B		SW1	
	REL	ELT	2B			
261	REL	LLT	12		SW1	
	REL	LRT	6			
262	REL	ADS	5		SW1	
	REL	LRT	6B		SW1	
	BASE	CA3	4			
263	REL	ADS	5B		SW1	
	REL	RT	9		SW1	
	REL	AUX1	6			
264	REL	AUX1	6B		SW1	
	REL	RT	U			NET
265	REL	TMR3	7		SW1	
	BASE	CA3	8			
266	REL	RT	4M		SW1	
	REL	GRT	5		SW1	
	REL	TMR3	7B		SW1	
	BASE	CA3	2			
267	REL	RT	9M		SW1	
	BASE	CA3	11			
268	REL	GRT	5M		SW1	
	REL	TMR1	3			
269	REL	GRT	1L		SW1	NET
	REL	RT	9B		SW1	
	REL	TMR1	3B			
270	REL	LRT	10B		SW1	
	REL	RC	1U			NET
271	REL	LRT	10		SW1	
	REL	GRT	5B		SW1	
	REL	TMR1	8			
272	REL	TMR1	8M		SW1	
	REL	TMR2	10			
273	REL	TMR2	10M		SW1	
	REL	CGD	4			
274	REL	TMR3	6B		SW1	
	REL	ADS	9M			
275	REL	LRT	U		SW1	NET
	BASE	CA13	4		SW1	
	REL	CGD	4B		SW1	
	REL	TMR3	6			
276	REL	RT	12B		SW1	
	BASE	CA3	10			
277	REL	ADS	9B		SW1	
	REL	RT	12		SW1	
	BASE	CA13	10			
278	REL	ADS	9		SW1	
	REL	LRT	9M			
279	REL	LRT	9B		SW1	
	REL	TMR3	4			
280	REL	LLT	4B		SW1	
	BASE	CA13	9			
281	REL	ADS	7		SW1	
	BASE	CA13	3			
282	REL	LRT	7		SW1	
	REL	TC	12		SW1	
	REL	ELT	5		SW1	
	REL	PS	10		SW1	
	REL	RTN	10B#	YW	SW1	
	REL	ETT	5			
	REL	RTN	10B	YX	SW1	
	REL	ETT	1			
283	REL	SUPV	6		SW1	
	REL	TMR3	4M			
284	REL	SUPV	6B#		SW1	
	REL	LLT	3M		SW1	
	REL	LLT	U			NET
	REL	SUPV	6B	ZK	SW1	
	TERM	FEMF	B @			
	TERM	FEMF	T @			BF
285	REL	LLT	3		SW1	
	REL	TMR1	11B			
286	REL	LLT	11M		SW1	
	REL	TMR2	5			
287	REL	ELT	2M		SW1	
	REL	ELT	1L		SW1	NET
	REL	TMR2	5M			
288	REL	ELT	1M		SW1	
	REL	LLT	8			
289	REL	LLT	8B		SW1	
	REL	TC	9M		SW1	
	CONTINUED					

RUN NO	TYPE	FUNC	DESIG	TER M	WRG OPT	MET H	WRG CONV SYM
	CONTINUED						
	BASE	CA7	8	SW1			
	REL	RTN	12				
290	REL	LLT	7M	SW1			
	REL	TMR2	8	SW1			
	REL	TMR2	6B				
291	REL	TMR2	6M	SW1			
	REL	LLT	5M				
292	RES	R79	B	SW1			
	REL	BCA	2L	SW1	NET		
	REL	BCD	6M				
293	BASE	CA18	2	SW1			
	REL	BCA	1L	SW1	NET		
	REL	BCB	7B				
294	REL	BCB	7	SW1			
	REL	BCC	7B				
295	REL	BCC	7	SW1			
	BASE	CA18	5				
296	REL	BCA	1M	SW1			
	BASE	CA18	11				
297	BASE	CA18	3	SW1			
	REL	BCB	U	SW1	NET		
	REL	BCD	1M				
298	REL	BCD	1	SW1			
	REL	BCC	4B				
299	RES	R79	T	SW1			
	BASE	CA18	10	SW1			
	REL	BCB	L				NET
300	BASE	CA18	1	SW1			
	REL	BCB	6B				
301	REL	BCB	6M	SW1			
	REL	BCC	5				
302	BASE	CA18	9	SW1			
	REL	BCC	L	SW1	NET		
	RES	R80	B				
303	REL	BCB	4	SW1			
	REL	BCA	2M				
304	BASE	CA11	3	SW1			
	REL	BCB	4M	SW1			
	REL	BCC	U				NET
305	BASE	CA11	11	SW1			
	REL	BCC	4M				
306	REL	BCC	5B	SW1			
	REL	BCD	6B	SW1			
	REL	BCD	L	SW1	NET		
	RES	R80	T				
307	BASE	CA18	6	SW1			
	REL	BCA	2				
308	BASE	CA11	4	SW1			
	REL	BCD	2M	SW1			
	REL	BCD	U				NET
309	REL	BCE	1	SW1			
	REL	BCF	11	SW1			
	REL	BCF	12	SW1			
	REL	BCD	2	SW1			
	REL	BCC	4	SW1			
	REL	BCC	6	SW1			
	REL	BCA	1	SW1			
	BASE	CA11	6	SW1			
	REL	BP	10M	SW1			
	REL	TRT	9				
310	REL	TRT	9M	SW1			
	REL	INTR	6				
311	REL	INTR	6B	SW1			
	BASE	CA18	12	SW1			
	REL	BCB	6	SW1			
	REL	BCD	6				
312	REL	BCC	2	SW1			
	REL	BCE	2	SW1			
	REL	BCF	12M				
313	RES	R81	T	SW1			
	REL	BCE	2L	SW1	NET		
	REL	BCE	2B	SW1			
	REL	BCC	2M				
314	REL	BCA	3	SW1			
	REL	BCE	1M	SW1			
	REL	BCE	1L				NET
315	REL	BCA	3B	SW1			
	BASE	CA11	5				
316	REL	BCB	10M	SW1			
	BASE	CA11	8				
317	REL	BCB	10	SW1			
	REL	BCC	6B				
318	REL	BCB	10B	SW1			
	REL	BCD	12				

RUN NO	TYPE	FUNC	DESIG	TER M	WRG OPT	MET H	WRG CONV SYM
319	REL	BCD	12M			SW1	
	REL	BCE	5				
320	REL	BCF	1U			SW1	NET
	REL	BCF	11M			SW1	
	REL	BCE	5M				
321	BASE	CA11	7			SW1	
	REL	RTN	11				
322	REL	RTN	11B			SW1	
	REL	INTR	U			SW1	NET
	BASE	CA12	7				
323	REL	OH	8M			SW1	
	BASE	CA12	1				
324	REL	OH	8			SW1	
	REL	RHU	11				
325	REL	RHU	11M			SW1	
	REL	CT	5				
326	TS	C	34			SW1	
	REL	RHU	11B				
327	TS	C	24			SW1	
	REL	CT	5B				
328	BASE	CA11	9			SW1	
	REL	CT	4				
329	REL	RHU	10			SW1	
	REL	CT	4B			SW1	
	REL	TRA	6				
330	REL	TRA	6B			SW1	
	REL	TR	1				
331	REL	RHU	10B			SW1	
	REL	TR	1M			SW1	
	REL	TR	U				NET
332	REL	BP	8M			SW1	
	BASE	CA11	10				
333	REL	BP	8			SW1	
	REL	BCA	4M			SW1	
	REL	BCB	2M			SW1	
	REL	BCC	8M			SW1	
	REL	BCD	9M			SW1	
	REL	BCE	3M			SW1	
	REL	BCF	10B				
334	REL	RTN	9M			SW1	
	REL	BCA	4			SW1	
	REL	BCB	2			SW1	
	REL	BCC	8			SW1	
	REL	BCD	9			SW1	
	REL	BCE	3			SW1	
	REL	BCF	10				
335	REL	RTN	8			SW1	
	REL	RTN	9			SW1	
	REL	RTN	1U			SW1	NET
	REL	INTR	3B				
336	REL	BP	U			SW1	NET
	REL	RTN	8M			SW1	
	REL	INTR	5			SW1	
	REL	TRT	8				
337	REL	INTR	5M			SW1	
	REL	TRT	8M			SW1	
	REL	TRT	1U				NET
338	BASE	CA12	6			SW1	
	REL	BCD	8M				
339	BASE	CA12	9			SW1	
	REL	BCD	4M				
340	REL	BCD	4			SW1	
	REL	BCC	12M				
341	BASE	CA12	2			SW1	
	REL	BCA	5				
342	REL	BCA	5M			SW1	
	REL	BCD	8B				
343	REL	BCD	8			SW1	
	REL	BCB	8B				
344	REL	INTR	1B			SW1	
	REL	BCB	8			SW1	
	REL	BCC	12				
345	REL	BP	6			SW1	
	REL	INTR	1			SW1	
	REL	TRT	10				
346	REL	TRT	10M	ZJ		SW1	
	REL	BPR	2U				BC
347	REL	RHU	12M			SW1	
	REL	TR	3				
348	REL	TR	3M			SW1	
	REL	BPR	11				
349	REL	RHU	8M			SW1	
	REL	TR	4M				
350	REL	TRA	L			SW1	
	CONTINUED						

RUN NO	TYPE	FUNC	DESIG	TER M	WRG OPT	COLOR	MET H	WRG CONV SYM
	CONTINUED							
	REL	TR	4					
351	REL	RTN	12M				SW1	
	REL	RHU	1U				SW1	NET
	REL	TR	6B					
352	REL	BP	11M				SW1	
	REL	RTN	10					
353	REL	CPT	7				SW1	
	REL	PS	10B					
354	TS	C	47		X		SW1	
	REL	LG1	1					
355	TS	C	37		X		SW1	
	REL	LG2	1					
356	TS	C	27		X		SW1	
	REL	LG3	1					
357	TS	C	17		X		SW1	
	REL	LG4	1					
358	TS	C	38		X		SW1	
	REL	HG1	1					
359	TS	C	28		X		SW1	
	REL	HG2	1					
360	TS	C	18		X		SW1	
	REL	HG3	1					
361	TS	C	56		X		SW1	
	REL	STR	1					
362	REL	LG1	3		X		SW1	
	REL	HG2	9		X		SW1	
	REL	LG4	3					
363	REL	LG2	5		X		SW1	
	REL	LG2	2		X		SW1	
	REL	HG2	8		X		SW1	
	REL	HG3	3					
364	REL	HG3	4		X		SW1	
	REL	LG3	2		X		SW1	
	REL	LG1	2					
365	REL	HG1	5		X		SW1	
	REL	LG2	7		X		SW1	
	REL	LG3	7					
366	REL	LG1	8		X		SW1	
	REL	HG1	2					
367	REL	RC	9B				SW1	
	REL	RT	11				SW1	
	REL	PS	1 #	ZJ			SW1	
	CONN	16	0 #					
	REL	PS	1	ZK			SW1	
	REL	FEMF	3B					
	CONN	16	0	ZK			SW1	
	CONN	8	6					
368	BASE	CA6	8				SW1	
	REL	ELT	3				SW1	
	REL	ATC3	10B				SW1	
	REL	ANS1	5M#	ZW			SW1	
	BASE	CA12	3				SW1	
	REL	BCD	4B	ZW			SW1	CD
	CONN	11	21 #					
	REL	ANS1	5M	ZX			SW1	
	CONN	11	21	ZX			SW1	
	TERM	BCD	T @					
	TERM	BCD	B @					CD
369	BASE	CA6	2				SW1	
	REL	TMR2	7M				SW1	
	REL	LLT	9M				SW1	
	REL	ELT	4M				SW1	
	BASE	CA7	11				SW1	
	REL	ATC3	10M				SW1	
	REL	ANS2	8M				SW1	
	BASE	CA12	8				SW1	
	CONN	11	22				SW1	
	CONN	13	5					
370	REL	ETT	2L				SW1	NET,CI
	CONN	11	2					
371	ETS	1CGD	3F				SW1	BL
	CONN	8	1					
372	REL	TMR3	9				SW1	
	CONN	8	2					
373	REL	RET	8M				SW1	R
	CONN	8	22					
374	REL	RET	8				SW1	R
	REL	TT	12M					
375	CONN	8	17				SW1	
	CONN	5	25					
376	CONN	8	3				SW1	
	CONN	5	23					
377	CONN	5	10				SW1	
	CONN	11	5				SW1	
	CONTINUED							

RUN NO	TYPE	FUNC	DESIG	TER M	WRG OPT	MET H	WRG CONV SYM
	CONTINUED						
	CONN	11	1				
378	CONN	11	27			SW1	
	CONN	5	21				
379	CONN	3	23			SW1	
	TRNSF	T1	7				
380	CONN	3	24			SW1	
	TRNSF	T1	12				
381	REL	ETT	3			SW1	
	REL	TT	10B				
382	REL	TT	10			SW1	
	CONN	11	0				
383	CONN	5	2			SW1	
	CONN	11	3				
384	CONN	5	4			SW1	
	CONN	11	4				
385	CONN	5	6			SW1	
	CONN	11	10				
386	CONN	5	8			SW1	
	CONN	11	6				
387	CONN	5	12			SW1	
	CONN	11	8				
388	REL	CR	5M			SW1	
	REL	TT	11B			SW1	
	CONN	11	17				
389	CONN	11	24			SW1	
	BASE	CA12	10	ZX		SW1	
	REL	ANS2	11				
390	CONN	11	19			SW1	
	REL	BP	6M				
391	REL	ANS1	5B#	ZW		SW1	
	BASE	CA12	4	ZW		SW1	CC
	CONN	11	23 #				
	BASE	CA12	11	ZX		SW1	CC
	REL	ANS1	5B	ZX		SW1	
	CONN	11	23				
392	REL	GRT	3M			SW1	
	CONN	16	24				
393	REL	LRT	4M			SW1	
	CONN	16	22				
394	REL	RT	6B			SW1	
	CONN	16	15				
395	CONN	13	2			SW1	
	BASE	CA2	10			SW1	
	REL	OH	6			SW1	
	DIODE	CR74	2 #	W		SW1	
	RES	R3	T				
	DIODE	CR74	1 #			SW1	
	REL	RT	6			SW1	
	CONN	16	27				
	DIODE	CR74	2	YE,YM		SW1	
	DIODE	CR74	1				
397	REL	LRT	8M			SW1	
	REL	GRT	4M#	ZW		SW1	
	CONN	8	0 #	ZK&ZW		SW1	
	REL	LFP	9	ZK&ZX&YW		SW1	
	REL	GRT	4M#	ZX		SW1	
	CONN	8	10				
	CONN	8	0	ZX		SW1	
	REL	RET	9B				
	REL	GRT	4M	ZK&ZX&YX		SW1	
	REL	LFP	11				
398	REL	LRT	2			SW1	
	REL	GRT	1			SW1	
	REL	GRT	2B			SW1	
	REL	RT	8B#	ZJ		SW1	
	CONN	8	12				
	REL	RT	8B#	ZK&YW		SW1	
	REL	LFP	11B				
	REL	RT	8B	ZK&YX		SW1	
	REL	LFP	9B				
399	REL	AUX4	10	ZJ		SW1	
	REL	LLT	7	ZJ		SW1	
	CONN	13	0				
400	REL	AUX4	10B			SW1	
	CONN	13	27				

AT&T TECHNOLOGIES, INC.
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DWG SIZE C2

T*1C297-12

SHEET C2

ISSUE 25

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MOL H	COR T	WRG CONV SYM
401	REL	AUX4	10M		SW1		
	CONN	13	4				
402	RESLP	SD2	L		SW1		
	CONN	13	8	# G&ZP	SW1		
	BASE	CA5	2	ZO	SW1		
	REL	CRM	10M				BO
	CONN	13	8	G&ZO	SW1		
	REL	CRM	10				BO
403	REL	TMR2	7		SW1		
	REL	LLT	9		SW1		
	REL	ELT	4		SW1		
	CONN	13	10				
404	TS	C	16	HA	SW1		
	REL	BPR	11M				
405	CONN	3	25		SW1		
	CAP	C6	2		SW1		
	CAP	C6	3				
406	REL	DISC	7		SW1		
	REL	TMR1	1B		SW1		
	REL	TMR2	12B				
407	DIODE	CR21	1		SW1		
	DIODE	CR22	1				
408	REL	DISC	10		SW1		
	REL	PS	11M		SW1		
	REL	SN	1				
409	REL	INTR	L		SW1		NET
	RES	R81	B				
410	REL	ETT	3B		SW1		
	CONN	3	26		SW1		
	CONN	5	17		SW1		
	CONN	8	18		SW1		
	CONN	8	26		SW1	S	
	REL	TT	12				
411	TS	B	58		SW1	R	
	RESLP	SD1	L				
412	TS	B	18		SW1	R	
	RESLP	SD2	R		SW1	R	
	RESLP	TN2	R		SW1	R	
	RESLP	TN1	R				
413	CONN	13	25		SW1		
	CONN	8	25		SW1	O	
	ETS	CG	8F		SW1	G	
	REL	TST	12M		SW1		
	REL	TMR2	3M		SW1		
	TERM	TMR1-L	T &		SW1		
	REL	RC	11M#	W	SW1		
	DIODE	CR67	2	W	SW1		
	RES	R3	B				
	REL	RC	11M	V	SW1		
	BASE	CA4	8				
	TERM	TMR1-L	T	@			
	TERM	TMR1-L	B	@			AC
414	BASE	CA7	1		SW1		
	REL	TMR3	9B		SW1		
	DIODE	CR21	2		SW1		
	RES	R66	T		SW1		
	CAP	C22	T		SW1		
	CAP	C6	1		SW1		
	CONN	3	13		SW1		
	CONN	5	13		SW1		
	CONN	8	13		SW1		
	CONN	11	13		SW1		
	CONN	13	13		SW1		
	REL	TT	10M				
415	REL	SUPV	8	#	SW1	BK	
	REL	LRT	3		SW1	BK	
	REL	RTT	9	# ZJ	SW1	BK	
	REL	RT	3	ZJ%F	SW1	BK	
	REL	RT	7	# Y,Z	SW1	BK	
	REL	RT	8	#	SW1	BK	
	REL	CPT	1		SW1	BK	
	REL	CPT	6		SW1	BK	
	BASE	CA6	12	#	SW1	BK	
	CONN	TM1	5		SW1	BK	
	REL	TMR1	1		SW1	BK	
	REL	TMR1	10		SW1	BK	
	REL	OH	11M		SW1	BK	
	REL	OH	10		SW1	BK	
	REL	OH	4	# Y,Z	SW1	BK	
	REL	OH	3	Y,Z	SW1	BK	
	REL	OH	2	# Y,Z	SW1	BK	
	REL	DISC	2	Y,Z	SW1	BK	
	REL	DISC	3	#	SW1	BK	
	REL	DISC	11	#	SW1	BK	
	CONN	DISC	5		SW1	BK	
	REL	RC	10		SW1	BK	
	REL	CGD	1L		SW1	BK	AD
	TS	B	11	#	SW1	BK	
	REL	AUX4	9		SW1	BK	CL
	BASE	CA1	2		SW1	BK	
	BASE	CA16	2		SW1	BK	
	BASE	CA16	4		SW1	BK	BR,CJ
	CONN	TM2	5		SW1	BK	
	REL	TMR2	11		SW1	BK	
	REL	TMR2	12		SW1	BK	
	BASE	CA15	2		SW1	BK	BS,CK
	BASE	CA15	3		SW1	BK	
	REL	LLT	5		SW1	BK	

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	COR T	WRG CONV SYM
		CONTINUED				
	REL	ELT	1		SW1 BK	
	REL	AUX1	1		SW1 BK	
	CONN	TM3	5	# Y,Z	SW1 BK	
	REL	PS	9	Y,Z	SW1 BK	
	REL	PS	11	#	SW1 BK	
	REL	CGA	10		SW1 BK	
	REL	STP	2		SW1 BK	
	REL	ON	12		SW1 BK	
	REL	AUX2	12		SW1 BK	
	REL	RA	5		SW1 BK	
	BASE	CA3	1		SW1 BK	
	JK	TJ	1	# B&Y,B&Z	SW1 BK	
	JK	TJ	2	B&Y,B&Z	SW1 BK	
	ETS	L	3F	# X	SW1 BK	
	REL	HG1	3	X	SW1 BK	
	REL	LG1	6	X	SW1 BK	
	REL	LG1	7	X	SW1 BK	
	REL	LG2	3	X	SW1 BK	
	REL	HG2	7	X	SW1 BK	
	REL	HG3	2	X	SW1 BK	
	REL	LG3	10	X	SW1 BK	
	REL	LG3	11	X	SW1 BK	
	REL	LG3	3	X&HE	SW1 BK	
	TS	C	51			
	TS	B	11	Z	SW1 BK	
	REL	F	4			
	REL	SUPV	8	W	SW1 BK	
	DIODE	CR68	1			
	REL	OH	2	# F,YM	SW1 BK	
	REL	DISC	3			
	JK	TJ	1	B&E,E&F,YM	SW1 BK	
	ETS	L	3F			
	REL	OH	4	F,YM	SW1 BK	
	REL	OH	2			
	BASE	CA6	12	ZE,ZN,ZV	SW1 BK	
	REL	CPT	11			
	REL	RTT	9	# ZK%F,ZK&YN	SW1 BK	
	REL	RT	7	ZK%F,ZK&YN	SW1 BK	
	REL	AUX1	11	# ZK	SW1 BK	
	TERM	TMR2	B	& ZK	SW1 BK	
	REL	LFP	10	ZK	SW1 BK	
	REL	FEMF	3M	ZK	SW1 BK	
	TERM	AUX5	B	@		BL,BM
	TERM	AUX5	T	@		
	TERM	TMR2	B	@		
	TERM	TMR2	T	@		BK
	REL	TMR3	5	F,YM	SW1 BK	
	REL	DISC	11			
	REL	RTT	9	# F,YM	SW1 BK	
	REL	RT	8	ZK&F	SW1 BK	
	REL	AUX1	11	#		
	CONN	TM3	5	F,YM	SW1 BK	
	REL	PS	11			
	REL	RTT	9	ZK&YM	SW1 BK	
	REL	AUX1	11			
	REL	BPR	1U		SW1 BK	BC
	TS	C	11	# Y,Z	SW1 BK	
	REL	TR	8	Y,Z	SW1 BK	
	REL	ETT	4	#	SW1 BK	
	REL	TT	8M		SW1 BK	
	REL	CR	4		SW1 BK	
	REL	BP	12		SW1 BK	
	REL	BP	11		SW1 BK	
	REL	BP	10		SW1 BK	
	REL	TC	9			
	REL	ETT	4	F,YM	SW1 BK	
	TS	C	11	F	SW1 BK	
	TS	C	44	F	SW1 BK	
	TS	C	54			
	REL	SUPV	1L	#	SW1 BK	
	TS	B	31		SW1 BK	
	TERM	D1N	B		SW1 BK	
	RESLP	TN	R		SW1 BK	
	RC	TN	1		SW1 BK	
	RES	LC	T		SW1 BK	
	BASE	CA9	12		SW1 BK	
	CAP	CT	T		SW1 BK	
	CAP	TB	T	# YN	SW1 BK	
	BASE	CA10	12	F&YN	SW1 BK	
	BASE	CA19	6	#		
	REL	SUPV	1L	X&HD	SW1 BK	
	TS	C	51			
	CAP	TB	T	YR	SW1 BK	
	BASE	CA19	6			
	TS	B	54	V	SW1 R	
	REL	OH	12M			
	REL	SUPV	2U	#	SW1 R	
	RESLP	RB	R		SW1 R	
	TS	B	34		SW1 R-W	
	ETS	L	1OF		SW1 R	
	ETS	L	6F		SW1 R	
	RES	LA	B			
	REL	SUPV	2U	ZO	SW1 R	
	REL	CRM	2U	HD	SW1 R	NET

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	COR T	WRG CONV SYM
		CONTINUED				
	REL	ON	1M			
420	TS	C	13		SW1 R	
	REL	TR	L		SW1 R	NET
	REL	RHU	2U		SW1 R	NET
	REL	CT	2L		SW1 R	NET
	REL	CT	1M		SW1 R	
	REL	TRT	2U		SW1 R	NET
	REL	SN	1L		SW1 R	NET
	REL	TT	2U		SW1 R	NET
	REL	TT	9M		SW1 R	
	REL	CR	1L		SW1 R	NET
	REL	RTN	2U		SW1 R	NET
	REL	BP	L		SW1 R	NET
	RES	R79	M		SW1 R	
	REL	BCF	2U		SW1 R	NET
	RES	R81	M		SW1 R	
	RES	R80	M			
421	REL	ADS	L		SW1 R	NET
	REL	ADS	4M		SW1 R	
	REL	LRT	L		SW1 R	NET
	REL	LRT	5M		SW1 R	
	REL	RTT	12M		SW1 R	
	REL	RTT	11B		SW1 R	
	REL	RTT	2U		SW1 R	NET
	REL	GRT	2L		SW1 R	NET
	REL	RT	1		SW1 R	
	REL	RT	L		SW1 R	NET
	REL	CPT	L		SW1 R	NET
	CONN	TM1	3		SW1 R	
	REL	OH	L		SW1 R	NET
	REL	DISC	L		SW1 R	
	CONN	DISC	7		SW1 R	
	REL	RC	8M		SW1 R	
	REL	RC	2U		SW1 R	NET
	TS	B	14		SW1 R	
	REL	AUX3	2L		SW1 R	NET
	REL	AUX4	2U	#	SW1 R	NET
	REL	AUX4	12M		SW1 R	
	BASE	CA1	3		SW1 R	
	CONN	TM2	3		SW1 R	
	REL	TMR2	4B		SW1 R	
	REL	TMR2	1M		SW1 R	
	REL	LLT	L		SW1 R	NET
	REL	LLT	6B		SW1 R	
	REL	LLT	1M		SW1 R	
	REL	TST	2U		SW1 R	NET
	REL	ELT	2L		SW1 R	NET
	REL	ELT	3M		SW1 R	
	REL	TC	7M		SW1 R	
	REL	AUX1	L		SW1 R	NET
	CONN	TM3	3		SW1 R	
	REL	PS	7		SW1 R	
	REL	PS	L		SW1 R	NET
	REL	CGA	2U		SW1 R	NET
	REL	STP	2L		SW1 R	NET
	REL	D1N	L	# HE	SW1 R	NET
	REL	ON	1M	HE	SW1 R	
	REL	ON	L	#	SW1 R	NET
	REL	AUX2	L		SW1 R	NET
	REL	RA	1L		SW1 R	AA
	REL	P1	L		SW1 R	NET
	REL	P2	L		SW1 R	NET
	REL	P3	L		SW1 R	NET
	REL	P4	L		SW1 R	NET
	REL	P5	L		SW1 R	NET
	REL	ATC3	2U		SW1 R	NET
	REL	ATC2	2		SW1 R	
	RES	R40	M		SW1 R	
	REL	SR	L	#		NET
	REL	AUX4	2U	ZK	SW1 R	NET
	REL	AUX3	4M	ZK	SW1 R	
	REL	AUX5	2L	ZK	SW1 R	BJ
	REL	FEMF	1L	ZK	SW1 R	NET
	TERM	LFP	B	@		
	TERM	LFP	T	@		BH,CM
	REL	SR	L	ZO	SW1 R	
	REL	CAL1	1L	ZO	SW1 R	NET
	REL	CAL2	2U			NET
	REL	D1N	L	HD	SW1 R	
	REL	ON	L			
422	TS	C	31		SW1 BK	
	CONN	16	14		SW1 BK	
	CONN	13	14		SW1 BK	
	CONN	8	14		SW1 BK	
	CAP	C22	B		SW1 BK	
	DIODE	CR22	2		SW1 BK	
	REL	ANS1	1L		SW1 BK	NET
	REL	ANS2	1U	# ZO&ZS	SW1 BK	NET
	BASE	CA21	10			BP,BQ
	BASE	CA21	10	ZO&ZT	SW1 BK	
	REL	ANS2	1U	NOTE 10	SW1 BK	
	BASE	CA22	10			
	JK	TJ	3	YM	SW1 BK	
	TS	A	28	YM	SW1 BK	
	TS	C	31			
423	TS	B	51	V	SW1 BK	
	BASE	CA4	12			
424	TRNSF	T1	2		SW1 R	
	TS	D	1T	@		
	TS	D	2T	@		AE
425	TRNSF	T1	4		SW1 BK	
	TS	D	1B	@		
	TS	D	2B	@		AE

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	COR T	WRG CONV SYM
426	RES	R66	B	#	SW1 R	
	TS	C	33	# R	SW1 R	
	RES	LRS	B			
	RES	R66	B	YX	SW1 R	
	TERM	ETT	T	@		
	TERM	ETT	B	@		CI
	TS	C	33	YM	SW1 R	
	BASE	CA23	4			
429	REL	OH	7		SW1	
	TERM	PS	1T	@		
	TERM	PS	2T	@		AF
430	REL	HG1	7	X	SW1	
	REL	HG2	3	X	SW1	
	REL	LG3	13			
431	REL	HG2	2	X	SW1	
	REL	LG3	5			
432	REL	HG3	7	X	SW1	
	REL	LG1	9			
433	TS	C	57	X	SW1	
	TERM	TRA	1T			AH
434	REL	SR	2		SW1	G-BR
	ETS	L	4F			
435	BASE	CA17	1G		SW1	
	REL	ON	6M			
436	REL	TST	8		SW1	
	REL	ATC2	10B			
437	REL	ATC2	10		SW1	
	REL	ATC1	5B			
438	REL	TMR1	7		SW1	
	REL	ATC1	5M		SW1	
	REL	ATC2	9M			
439	BASE	CA18	4		SW1	
	REL	SN	2L	N	SW1	NET
	REL	PS	4B			
440	REL	TMR1	9		SW1	
	REL	SN	3M		SW1	
	REL	SN	2B			
441	REL	TMR1	12B		SW1	
	REL	SN	2M		SW1	
	REL	SN	3B			
442	CONN	3	19		SW1	
	CONN	5	27			
443	REL	INTR	2M		SW1	
	REL	INTR	4M	T&YN	SW1	
	BASE	CA10	1			
444	BASE	CA14	4		SW1	
	REL	TR	6			
445	TS	A	13		SW1	
	REL	P1	8M			
446	TS	A	52		SW1	
	REL	P1	9M			
447	TS	A	42	ZP	SW1	
	REL	P2	7M	ZO	SW1	
	REL	CAL2	12	ZO	SW1	
	REL	CAL2	1U			NET
448	TS	A	32	ZJ	SW1	
	REL	P2	7B	ZK	SW1	
	REL	LFP	8M	ZK	SW1	
	REL	LFP	12M	ZK	SW1	
	REL	FEMF	2	ZK	SW1	
	REL	CPT	12			
449	TS	A	22	ZP	SW1	
	REL	P3	4M	ZO	SW1	
	REL	CAL1	1	ZO	SW1	
	REL	CAL1	2L			NET
450	TS	A	12		SW1	
	REL	P3	4B			
451	RESLP	SD1	R	# H&ZP	SW1	
	BASE	CA5	2			
	RESLP	SD1	R	H&ZO	SW1	
	REL	CRM	10			BO
452	RESLP	SD2	L	H	SW1	
	REL	RC	12M		SW1	
	BASF	CA5	1		SW1	
	REL	DISC	8M		SW1	
	REL	CR	1M			
454	CAP	TN1	T	F,YR	SW1	
	BASE	CA19	2			
455	BASE	CA19	11	F,YR	SW1	
	TS	C	55			
456	BASE	CA19	1	F,YR	SW1	
	TS	C	45			
457	BASE	CA19	4	F,YR	SW1	
	REL	INTR	2B	F,YR	SW1	

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	COR T	WRG CONV SYM
		CONTINUED				
	REL	BPR	12M			
458	BASE	CA19	10	F,YR	SW1	
	TS	C	35			
459	BASE	CA19	3	F,YR	SW1	
	TS	C	25			
460	REL	TRA	U		SW1	
	REL	TR	8M			
461	TERM	TMR1-U	B	&		AC
	TERM	TMR1-U	T	& YF	SW1	G-BR
	ETS	CG	6F		SW1	BL-W
	TERM	AUX1	1T			BD
	TERM	AUX1	1B		SW1	BD
	REL	TMR1	12M	YG	SW1	
	TERM	TMR1-U	T	@		
	TERM	TMR1-U	B	@		AC
462	TS	A	45	ZE,ZN,ZV	SW1	
	REL	P3	11M			
463	TS	A	35	ZE,ZN,ZV	SW1	
	REL	P2	10M			
464	TS	A	25	ZE,ZN,ZV	SW1	
	REL	P2	10B			
465	TS	A	15	ZE,ZN,ZV	SW1	
	REL	P3	10B			
466	REL	P1	12B	ZE,ZN,ZV	SW1	
	REL	P3	11			
467	REL	P2	10	ZE,ZN,ZV	SW1	
	REL	P3	10M			
468	REL	P1	12	ZE,ZN,ZV	SW1	
	REL	P4	9B			
469	REL	P3	10	ZE,ZN,ZV	SW1	
	REL	P4	9M			
470	REL	P4	9	ZE,ZN,ZV	SW1	
	REL	P5	8B			
471	REL	P5	8	ZE,ZN,ZV	SW1	
	REL	CPT	11M			
472	REL	TR	8	F,YL	SW1	
	TS	C	21			
476	REL	FEMF	3	ZK	SW1	
	CONN	8	7			
478	REL	FEMF	5M	ZK	SW1	
	CONN	8	4			
479	REL	FEMF	5B	ZK	SW1	
	CONN	8	8			
480	REL	FEMF	5	ZK	SW1	
	CONN	8	5			
481	REL	AUX3	5B	ZK	SW1	
	CONN	8	24	ZK	SW1	
	REL	AUX3	5M			
483	REL	AUX3	5	ZK	SW1	
	CONN	8	21			
484	REL	LRT	1M	ZP	SW1	
	REL	GRT	1M	ZK&ZP	SW1	
	REL	FEMF	4	ZK&ZO	SW1	
	REL	LRT	1M	ZO	SW1	
	REL	CAL2	10B			
	REL	GRT	1M	ZO	SW1	
	REL	CAL1	3			
485	REL	FEMF	2L	ZK	SW1	NET
	REL	CPT	12B			
486	REL	LFP	1U	ZK	SW1	BG,CN
	REL	LFP	12	ZK	SW1	
	REL	FEMF	1			
490	REL	AUX3	3B	ZK	SW1	
	REL	AUX4	10	ZK	SW1	
	CONN	13	0			
491	REL	LLT	7	ZK	SW1	
	REL	AUX3	3			
492	REL	LFP	10M	ZK	SW1	
	REL	AUX4	11M			
493	REL	AUX5	1L	ZK	SW1	BJ
	REL	AUX4	11			
494	REL	BPR	2U	ZK	SW1	BC
	CONN	13	17			
495	CONN	8	9	ZK	SW1	
	REL	TRT	10M	ZK	SW1	
	REL	LRT	12B			
496	REL	LRT	12	ZK	SW1	
	CONN	8	11	ZK	SW1	
	CONN	13	19			
497	REL	ADS	2		SW1	

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MOL H	WRG CONV SYM
		CONTINUED				
	REL	SUPV	1U	M	SW1	
	REL	OH	9B			
498	REL	ADS	2		SW1	
	REL	SUPV	1U	N	SW1	
	REL	DISC	9			
499	REL	ADS	1		SW1	
	REL	SUPV	2L	M	SW1	
	REL	DISC	9			
500	REL	ADS	1		SW1	
	REL	SUPV	2L	N	SW1	
	REL	OH	9B			
505	TS	A	54	ZN,ZV	SW1	
	REL	P2	11B			
506	REL	P2	11	ZN,ZV	SW1	
	REL	P4	10B			
507	REL	P4	10	ZN,ZV	SW1	
	REL	P5	8M			
508	REL	CPT	9B	ZO	SW1	
	REL	CAL1	1M	ZO	SW1	
	REL	CAL2	12M			
509	REL	P2	11M	ZV	SW1	
	TS	A	34			
510	REL	P4	10M	ZV	SW1	
	REL	P3	12			
511	REL	P3	12M	ZV	SW1	
	TS	A	44			
512	REL	ATC2	12M	ZO	SW1	
	REL	CRM	8	ZO	SW1	
	REL	CRM	1U			NET
513	REL	CAL1	2B	ZO	SW1	
	REL	CAL2	11			
514	REL	CAL1	3B	ZO	SW1	
	REL	CAL2	10			
515	REL	LRT	11	ZO	SW1	
	REL	CAL1	2M#	ZO&ZS	SW1	
	BASE	CA21	6			
	BASE	CA21	6	ZO&ZT	SW1	
	REL	CAL1	2M	NOTE 10	SW1	
	BASE	CA22	6			
516	BASE	CA21	8	ZO&ZS	SW1	
	REL	CAL2	11M#	ZO&ZT	SW1	
	BASE	CA21	8			
	REL	CAL2	11M	NOTE 10	SW1	
	BASE	CA22	8			
517	BASE	CA21	7	ZO&ZS	SW1	
	REL	CAL2	10M#	ZO&ZT	SW1	
	BASE	CA21	7			
	REL	CAL2	10M	NOTE 10	SW1	
	BASE	CA22	7			
518	BASE	CA21	3	ZO&ZS	SW1	
	REL	CAL1	3M#	ZO&ZT	SW1	
	BASE	CA21	3			
	REL	CAL1	3M	NOTE 10	SW1	
	BASE	CA22	3			
519	BASE	CA21	11	ZO&ZS	SW1	
	REL	LRT	11B#	ZO&ZT	SW1	
	BASE	CA21	11			
	REL	LRT	11B	NOTE 10	SW1	
	BASE	CA22	11			
520	REL	CAL2	9B	ZO	SW1	
	REL	CAL1	4			
521	REL	CAL2	8B	ZO	SW1	
	REL	CAL1	5			
522	BASE	CA21	4	ZO&ZS	SW1	BP
	REL	CAL2	9M#	ZO&ZT	SW1	
	BASE	CA21	4			
	REL	CAL2	9M	NOTE 10	SW1	
	BASE	CA22	4			
523	BASE	CA21	9	ZO&ZS	SW1	
	REL	CAL1	4M#	ZO&ZT	SW1	
	BASE	CA21	9			
	REL	CAL1	4M	NOTE 10	SW1	
	BASE	CA22	9			
524	BASE	CA21	2	ZO&ZS	SW1	BQ
	REL	CAL2	8M#	ZO&ZT	SW1	
	BASE	CA21	2			
	REL	CAL2	8M	NOTE 10	SW1	
	BASE	CA22	2			
525	BASE	CA21	12	ZO&ZS	SW1	
	REL	CAL1	5M#	ZO&ZT	SW1	
	BASE	CA21	12			

CONTINUED

RUN NO	TYPE	FUNC DESIG	TER M	WRG OPT	MOL H	WRG CONV SYM
		CONTINUED				
	REL	CAL1	5M	NOTE 10	SW1	
	BASE	CA22	12			
526	REL	LFP	8B	ZK	SW1	
	REL	PS	5M		SW1	
	REL	AUX3	2M	ZJ	SW1	
	REL	AUX3	1L	ZK	SW1	NET
	REL	LFP	8			
528	BASE	CA21	5	Z0&ZS	SW1	BZ
	BASE	CA21	1	Z0&ZS	SW1	
	REL	LRT	11M#	Z0&ZT	SW1	
	BASE	CA21	1			BZ
	REL	LRT	11M	NOTE 10	SW1	
	BASE	CA22	1			CA,CF
531	TS	A	28	F	SW1	
	REL	DISC	2	F	SW1	
	REL	PS	9			
532	REL	DISC	2B	F	SW1	
	REL	OH	3	F&B	SW1	
	JK	TJ	2			
533	REL	RT	7	F,YM	SW1	
	REL	DISC	11B			
536	CONN	8	2O	ZX	SW1	
	REL	LRT	3M			
537	REL	RET	9	ZX	SW1	
	REL	ANS2	11B			
540	REL	DISC	12M	F,YM	SW1	
	REL	CGA	11M		SW1	
	TERM	PS	1B	@		
	TERM	PS	2B	@		AG
541	REL	CGD	3	F,YA,YM	SW1	
	REL	CR	5B			
542	TS	C	16	2,YL	SW1	
	RESLP	R	1			
543	RESLP	R	2	2,YL	SW1	
	REL	BPR	11M			
544	BASE	CA23	1O	YM	SW1	
	REL	DISC	6M			
545	BASE	CA23	5	YM	SW1	
	REL	DISC	6			
546	BASE	CA23	9	YM	SW1	
	REL	DISC	6B			
549	REL	AUX3	3M#	ZK&YW	SW1	
	REL	LFP	11	ZK&YW	SW1	
	CONN	8	12	#		
	REL	AUX3	3M	ZK&YX	SW1	
	REL	LFP	9	ZK&YX	SW1	
	CONN	8	12			
550	REL	TT	1U	# YW	SW1	NET
	REL	ETT	2B			
	REL	TT	1U	YX	SW1	NET
	REL	ETT	5B			

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