HIGH SPEED TAPE RECEIVER WITH RADIO FREQUENCY INTERFERENCE (RFI) SUPPRESSION FOR THE MULTIPLE ADDRESS PROCESSING SYSTEM (MAPS) WIRING DIAGRAM

1. GENERAL

1.01 **This section contains wiring diagrams and circuit card drawings for the high speed receiver with** radio **frequency interference (RFI) suppression, used in the** Multiple Address Processing System.

1.02 **The following** information can be found on each **wiring diagram: Physical component layout, wiring** symbols, **terminal numbers and locations, and wire network** lists. Not**es are included on wiring diagrams to explain the** symbols used and point out special conditions.

1.03 **Information covered in circuit card drawings, shows physical component layout, wiring symbols, schematic of the circuit card, circuit description, and bill of material. Notes are included on the diagrams to explain the symbols used, or to point out special conditions.**

1.04 **A complete listing of the schematic and actual wiring diagrams is presented in the wiring diagram index found in this section. The index lists the equipment title, wiring diagram number, type of diagram (A for actual, S for schematic, CD for circuit card drawings), and wiring diagram package number. Wiring diagrams are listed in numerical order.**

2. WIRING DIAGRAM INDEX

TITLE	WIRING DIAGRAM NUMBER	TYPE	WIRING DIAGRAM PACKAGE NUMBER
Receiver Cabinet	7745WD	A	0234
VS269 Receiver Set	7746WD	S	0234
Logic	336906	CD	0234
Relay and Contact	336908	CD	0234

SHEET INDEX

CONTENTS	SHEET NO.	ISSUE NO. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	SHEET NO.
SHEET INDEX	A1	1																									A1
NOTES	A2	1																									A2
CABLE ROUTING	A3	1																									A3
NOTES	A4	1																									A4
NOTES	A5	1																									A5
NETWORK LISTING-INDEX (B SECTION)	ALL	1																									ALL
NETWORK LISTING (C SECTION)	ALL	1																									ALL

SUPPORTING INFORMATION

CATEGORY	NO.
VS269 M.A.P.S. RECEIVER SET.	WDP0234

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND UPDATED EACH TIME ANY SHEET OF THE DRAWING IS REISSUED OR A NEW SHEET IS ADDED.
3. THE LAST COMPLETED COLUMN INDICATES THE LATEST ISSUE NUMBER OF THE SHEET INDEX.
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NO.
5. ISSUE DATES WILL BE SHOWN ON THE SHEET INDEX ONLY.

REVISIONS

ISSUE	DATE	AUTH. NO.
1	6-5-70	20846-R

WIRING DIAGRAM

FOR

RECEIVER CABINET

336915

APPROVALS

PROJ. SUPV.	PROJ. DIR.	MFG. REL. COMPL.

ENGR. R.G.S.	DSGNR.
DRN. D.Q.	DATE 3-16-70
R & D FILE	38-A2765AA
S-NUMBER	61,762S

TELETYPE

7745WD - A1

TC 639 (3-69)

REVISIONS		
ISSUE	DATE	AUTH.
2	6-5-70	2084

NOTES

1. Wire is part of 310840 Cable Assembly and must be connected to this indicated "From" terminal.

2. Wire is 31044RM Lamp Cord with length given in feet. It must be connected between the indicated "From" and "To" terminals.

3. Wire is part of 310838 Cable Assembly and must be connected to the indicated "From" and "To" terminals.

4. Wire is part of 310841 Cable Assembly and must be connected to the indicated "From" terminal.

5. Wire is part of 310841 Cable Assembly and must be connected to the indicated "To" terminal.

6. Wire is part of 310841 Cable Assembly and must be connected to the indicated "From" and "To" terminals.

7. Wire is part of 310841 Cable Assembly and are connected between terminals of indicated connectors.

8. Wire is 193479 Strap and must be connected to the indicated "From" and "To" terminals.

9. Wire is 31883RM Green 18 AWG and must be connected to the indicated "From" and "To" terminals.

10. Wire is 31880RM with length given in inches and must be connected to the indicated "From" and "To" terminals.

11. Components are four (4) 137438 Resistors and designated as R1 to R4. Connections must be made to the indicated "From" and "To" terminals.

12. POWER NETWORKS

The following list indicates a terminal common to a particular voltage. The index will provide the individual network number

VOLTAGE	TERMINAL	
115V AC	A	2
115V AC RTN	A	1
Frame	A	FR
+6V	TPC328	C1
-6V	TPC328	A3
Circuit Common	TPC328	B2
-12V	TPC328	E1

WIRING DIAGRAM FOR REC[...] CABINET 336815

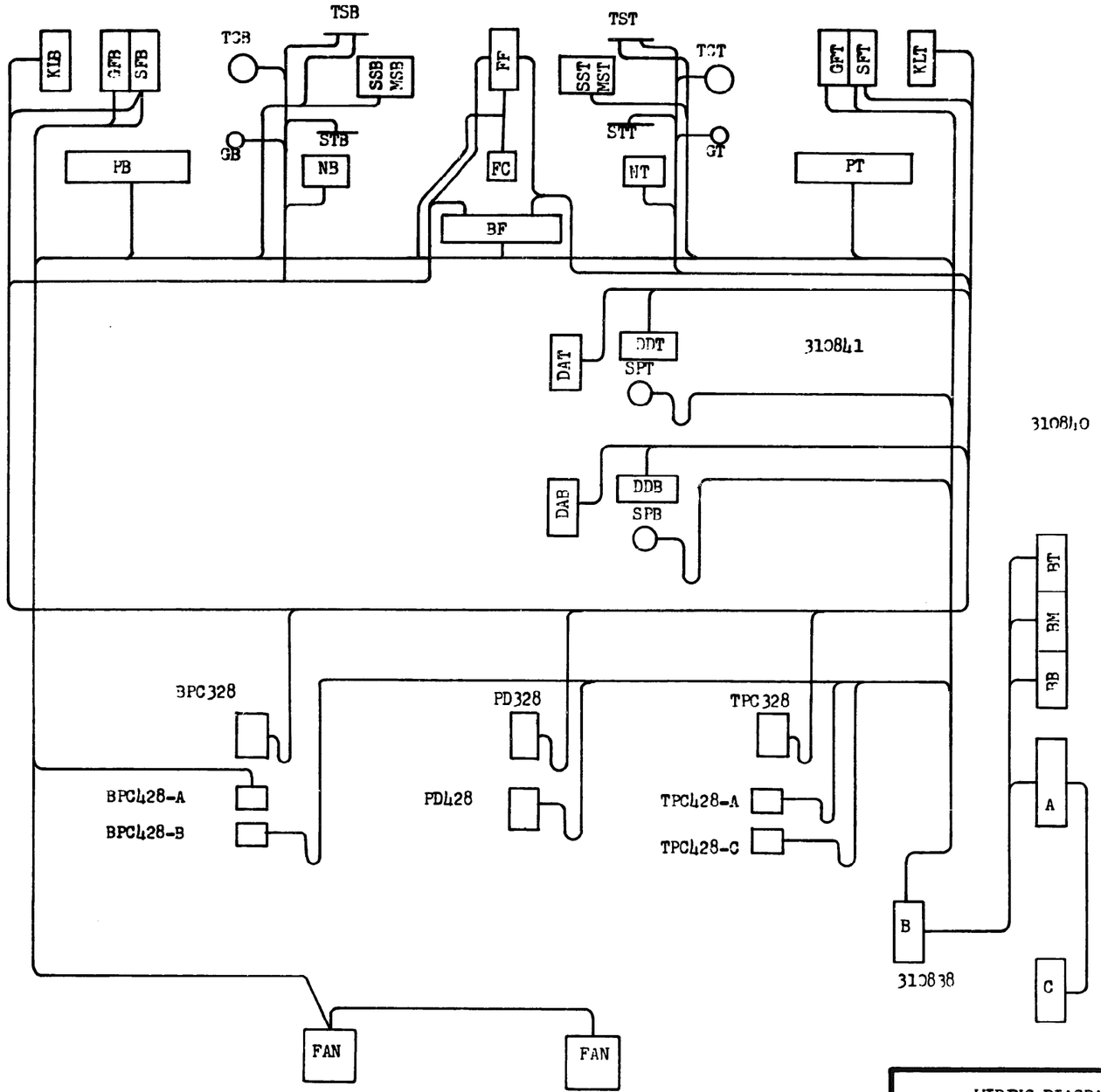
APPROVAL	
D AND R	E…
S NUMBER	61,762
PROD. NO.	7745W
DATE:	1-05-7
P.O. FILE NO.	38-A3
DRAWN. RQ	CHKD.
ENGD. RGS	APPD.

TELETYP[E] CORPORATIO[N]

7745 WD-

12. Cabling Layout - Rear View

ISSUE



WIRING DIAGRAM FOR
RECEIVER CABINET 336915

TELETYPE

7745 WD-A3

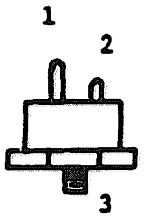
TC 638 (3-69)

	NOTES	7745 WD-A4

REVISIONS

ISSUE	DATE	AUTH. NO.
1	6-5-70	20846-R

13. Bi Directional Switch



14. PAGE NUMBERING

This WD consists of three sections:

Section A	Notes and Cable Routing
Section B	Network Listing - Index
Section C	Network Listing

15. Wire is part of 333336 Cable Assembly on 333343 Junction Box and must be connected to the indicated "To" Terminals.

16. NETWORK LISTING - INDEX

The Index lists pins in alpha-numerical order and is a cross reference to the number of the network in which they appear.

17. NETWORK LIST

The Network List is a list of connector pins that are connected together in a common electrical circuit. It lists the pins in from-to-to order. At branching points the first pin of the branch is indented. A second indentation indicates a branch within the first branch. Three indents indicates a third sub branch. If further sub branches are encountered, an indent number is used instead of further indenting.

At a branching point the branching pin is connected to the pin listed on the next line below as well as to the pin at the end of the column of dots extending below the branching pin. If no pins are listed directly below or to the right, the branch ends. There is no direct connection between a pin and one listed below and in a column to its left.

The asterisk in front of the indent number identifies the first pin of a new sub branch.

WIRING DIAGRAM FOR RECEIVER CABINET 336915

APPROVALS

D AND R	E OF M
LD/11	~

S NUMBER	61,762S
PROD. NO.	7745WB
DATE:	1-05-70
P.D. FILE NO.	38-A2/65AA
DRAWN. DQ	CHKD. MWB
ENGD. RGS	APPD. RDK

TELETYPE CORPORATION

7745 WD-A4

ST100149
TC2020-841

7745 WD-A5

REVISIONS

ISSUE	DATE	AUTH. NO.
1	6-5-70	20846-R

SAMPLE NETWORK (Arrows Show Connections)

```
Net    Component  Pin

0143   JD  4      G 6
0143   XZD314     21
0143   XZD313     20
0143   .     .     XZD313      6
0143   .     .     XZD312      6
0143   .     .     XZD311      6
0143   .     XZD313      23
0143   .     .     XZD313      25
0143   .     .     .     XZD313      31
0143   .  **04           XZD313      33
0143        04           XZD312      33
0143   .     .     .     XZD312      31
0143   .     .     .     XZD311      31
0143   .     .     XZD312      25
0143   .     .     XZD311      25
0143   .     XZD312      23
0143   .     XZD311      23
0143   XZD312     20
0143   XZD311     20

0144   JD  4      G 7
0144   XZD308     18
0144   XZD309     18
0144   XZD310     18
0144   .     XZD310      28
0144   .     .     XZD313      8
0144   .     .     XZD314      31
0144   .     .     XZD319      29
0144   .     .     XZD328      31
0144   .     XZD309      28
0144   .     XZD308      28
0144   XZD310      4
0144   XZD309      4
```

WIRING DIAGRAM FOR RECEIVER 336915

APPROVALS

NUMBER 61,7628

PROD. NO. 7745WD

DATE: 1-05-70

P.D. FILE NO. 38-A2/65AA

DRAWN DO

CHKD. MWB

ENGR. RGS

APPD. RMR

TELETYPE CORPORATION

7745 WD-A5

NETWORK LISTING (TABULAR WIRING DIAGRAM)- INDEX

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE	OF
7745	1	VS269	1 2 70	1	4

COMPONENT	PIN	NET
A	1	0013
A	2	0054
A	3	0014
A	4	0055
A	5	0026
A	6	0056
A	FR	0217
B	1	0024
B	2	0013
B	3	0005
B	4	0014
B	5	0025
B	6	0026
B	FR	0012
B B	LIN	0056
B B	LOA	0025
B F	1	0014
B F	2	0014
B F	3	0023
B F	4	0023
B M	LIN	0055
B M	LOA	0005
B T	LIN	0054
B T	LOA	0024
BPC328	A 1	0167
BPC328	A 2	0168
BPC328	A 3	0165
BPC328	A 4	0205
BPC328	A 6	0096
BPC328	A 7	0201
BPC328	A 8	0142
BPC328	A 9	0134
BPC328	A10	0138
BPC328	B 1	0185
BPC328	B 2	0166
BPC328	B 4	0206
BPC328	B 6	0098
BPC328	B 7	0204
BPC328	B 8	0151
BPC328	B 9	0143
BPC328	B10	0147
BPC328	C 1	0192
BPC328	C 3	0186
BPC328	C 4	0207
BPC328	C 6	0100
BPC328	C 7	0190
BPC328	C 8	0196
BPC328	C 9	0135
BPC328	C10	0139
BPC328	D 1	0198
BPC328	D 2	0104
BPC328	D 4	0208
BPC328	D 6	0102

COMPONENT	PIN	NET
BPC328	D 7	0066
BPC328	D 8	0200
BPC328	D 9	0144
BPC328	D10	0148
BPC328	E 1	0202
BPC328	E 2	0110
BPC328	E 5	0159
BPC328	E 7	0088
BPC328	E 8	0203
BPC328	E 9	0136
BPC328	E10	0140
BPC328	F 1	0113
BPC328	F 2	0209
BPC328	F 3	0210
BPC328	F 4	0160
BPC328	F 5	0211
BPC328	F 7	C090
BPC328	F 8	0184
BPC328	F 9	0145
BPC328	F10	0149
BPC328	G 1	0114
BPC328	G 3	0212
BPC328	G 4	0164
BPC328	G 5	0213
BPC328	G 7	0092
BPC328	G 8	0191
BPC328	G 9	0137
BPC328	G1C	0141
BPC328	H 1	0115
BPC328	H 2	0214
BPC328	H 3	0215
BPC328	H 4	0216
BPC328	H 5	0161
BPC328	H 7	0094
BPC328	H 8	0197
BPC328	H 9	0146
BPC328	H10	0150
BPC428	A 1	0018
BPC428	A 2	0027
BPC428	A 3	0026
BPC428	B 1	0005
BPC428	B 2	0012
BPC428	B 3	0014
C	1	0013
C	2	0054
C	3	0014
C	4	0055
C	5	0026
C	6	0056
C	FR	0217
DA B	4	0159
DA B	10	0160
DA B	11	0161

COMPONENT	PIN	NET
DA B	12	0162
DA B	13	0163
DA B	14	0164
DA B	15	0165
DA B	16	0166
DA B	17	0167
DA B	18	0168
DA T	4	0152
DA T	10	0153
DA T	11	0154
DA T	12	0029
DA T	13	0030
DA T	14	0155
DA T	15	0156
DA T	16	0053
DA T	17	0157
DA T	18	0158
DD B	1	0134
DD B	2	0135
DD B	3	0136
DD B	4	0137
DD B	5	0138
DD B	6	0139
DD B	7	0140
DD B	8	0141
DD B	9	0142
DD B	13	0143
DD B	14	0144
DD B	15	0145
DD B	16	0146
DD B	17	0147
DD B	18	0148
DD B	19	0149
DD B	20	0150
DD B	21	0151
DD T	1	0116
DD T	2	0117
DD T	3	0118
DD T	4	0119
DD T	5	0120
DD T	6	0121
DD T	7	0122
DD T	8	0123
DD T	9	0124
DD T	13	0125
DD T	14	0126
DD T	15	0127
DD T	16	0128
DD T	17	0129
DD T	18	0130
DD T	19	0131
DD T	20	0132
DD T	21	0133

NETWORK LISTING (TABULAR WIRING DIAGRAM)- INDEX

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE	OF
7745	1	VS269	1 2 70	B2	4

COMPONENT	PIN	NET
FAN 1	1	C014
FAN 1	2	0023
FAN 2	1	0014
FAN 2	2	0023
FC	1	0014
FC	2	0023
FF	LIN	0005
FF	LOA	0006
G B	1	0166
G T	1	0053
GF B	LIN	0003
GF B	LOA	0004
GF T	LIN	0001
GF T	LOA	0002
INNER	FR	0012
KL B	1	0202
KL B	3	0162
KL B	4	0163
KL B	5	0214
KL B	7	0210
KL B	8	0212
KL B	9	0215
KL B	10	0189
KL B	11	0183
KL B	12	0182
KL B	13	0188
KL B	14	0194
KL B	15	0199
KL B	16	0213
KL B	17	0211
KL B	18	0209
KL B	19	0195
KL B	20	0023
KL B	22	0006
KL B	24	0205
KL B	25	0206
KL B	26	0207
KL B	27	0208
KL B	28	0216
KL B	29	0187
KL B	30	0019
KL B	31	C193
KL B	32	0004
KL B	33	0017
KL B	34	0104
KL B	36	0166
KL T	1	0028
KL T	3	0029
KL T	4	0030
KL T	5	0031
KL T	7	0032
KL T	8	0033
KL T	9	0034

COMPONENT	PIN	NET
KL T	10	C035
KL T	11	0036
KL T	12	0037
KL T	13	0038
KL T	14	0039
KL T	15	0040
KL T	16	0041
KL T	17	0042
KL T	18	0043
KL T	19	0044
KL T	20	0023
KL T	22	0006
KL T	24	0045
KL T	25	0046
KL T	26	0047
KL T	27	0048
KL T	28	0049
KL T	29	0050
KL T	30	0016
KL T	31	0051
KL T	32	0002
KL T	33	0015
KL T	34	0052
KL T	36	0053
MS B	1	0018
MS B	2	0020
MS B	3	0003
MS T	1	0011
MS T	2	0218
MS T	3	0001
N B	1	0086
N B	2	0087
N B	3	0088
N B	4	0089
N B	5	0090
N B	6	0091
N B	7	0092
N B	8	0093
N B	9	0094
N B	10	0095
N B	11	0096
N B	12	0097
N B	13	0098
N B	14	0099
N B	15	0100
N B	16	0101
N B	17	0102
N B	18	0103
N B	19	0104
N B	20	0105
N B	21	0106
N B	22	0107
N B	23	0108

COMPONENT	PIN	NET
N B	26	0109
N B	27	0110
N B	28	0111
N B	30	0112
N B	32	0113
N B	34	0114
N B	36	0115
N T	1	0057
N T	2	0058
N T	3	0059
N T	4	0060
N T	5	0061
N T	6	0062
N T	7	0063
N T	8	0064
N T	9	0065
N T	10	0066
N T	11	0067
N T	12	0068
N T	13	0069
N T	14	0070
N T	15	0071
N T	16	0072
N T	17	0073
N T	18	0074
N T	19	0052
N T	20	0075
N T	21	0076
N T	22	0077
N T	23	0078
N T	26	0079
N T	27	0080
N T	28	0081
N T	30	0082
N T	32	0083
N T	34	0084
N T	36	0085
OUTER	FR	0012
P B	1	0010
P B	2	0025
P B	3	0003
P B	4	0026
P B	6	0018
P B	FR	0027
P T	1	0008
P T	2	0024
P T	3	0001
P T	4	0013
P T	6	0011
P T	FR	0012
PD328	A 1	0076
PD328	A 2	0078
PD328	A 3	0156

NETWORK LISTING (TABULAR WIRING DIAGRAM)- INDEX

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE	OF
7745	1	VS269	1 2 70	B 3	4

COMPONENT	PIN	NET
PD328	A 4	0037
PD328	A 5	0036
PD328	A 8	0169
PD328	A10	0064
PD328	B 1	0170
PD328	B 2	0171
PD328	B 3	0050
PD328	B 4	0038
PD328	B 5	0035
PD328	B 7	0172
PD328	B 8	0173
PD328	B 9	0074
PD328	B10	0066
PD328	C 1	0174
PD328	C 2	0051
PD328	C 3	0081
PD328	C 4	0039
PD328	C 5	0044
PD328	C 7	0175
PD328	C 8	0176
PD328	C 9	0058
PD328	C10	0068
PD328	D 1	0177
PD328	D 2	0052
PD328	D 4	0040
PD328	D 6	0075
PD328	D 7	0178
PD328	D 8	0179
PD328	D 9	0060
PD328	D10	0070
PD328	E 1	0028
PD328	E 3	0082
PD328	E 5	0079
PD328	E 6	0077
PD328	E 7	0180
PD328	E 8	0181
PD328	E 9	0062
PD328	E10	0072
PD428	A 1	0106
PD428	A 2	0108
PD428	A 3	0165
PD428	A 4	0182
PD428	A 5	0183
PD428	A 8	0184
PD428	A10	0093
PD428	B 1	0185
PD428	B 2	0186
PD428	B 3	0187
PD428	B 4	0188
PD428	B 5	0189
PD428	B 7	0190
PD428	B 8	0191
PD428	B 9	0103

COMPONENT	PIN	NET
PD428	B10	0095
PD428	C 1	0192
PD428	C 2	0193
PD428	C 3	0111
PD428	C 4	0194
PD428	C 5	0195
PD428	C 7	0196
PD428	C 8	0197
PD428	C 9	0087
PD428	C10	0097
PD428	D 1	0198
PD428	D 2	0104
PD428	D 4	C199
PD428	D 6	0105
PD428	D 7	0200
PD428	D 8	0201
PD428	D 9	0089
PD428	D10	0099
PD428	E 1	0202
PD428	E 3	0112
PD428	E 5	0109
PD428	E 6	0107
PD428	E 7	0203
PD428	E 8	0204
PD428	E 9	0091
PD428	E10	0101
R 1	1	0015
R 1	2	0021
R 2	1	0016
R 2	2	0218
R 3	1	0022
R 3	2	0017
R 4	1	0020
R 4	2	0019
SF B	LIN	0009
SF B	LOA	0010
SF T	LIN	0007
SF T	LOA	0008
SP B	1	0010
SP B	2	0027
SP B	3	0026
SP T	1	0008
SP T	2	0012
SP T	3	0013
SS B	1	0009
SS B	2	0022
SS B	3	0003
SS T	1	0007
SS T	2	0021
SS T	3	0001
ST B	1	0166
ST B	2	0104
ST B	3	0165

COMPONENT	PIN	NET
ST B	4	0202
ST T	1	0053
ST T	2	0052
ST T	3	0156
ST T	4	0028
TC B	1	0025
TC B	2	0003
TC T	1	0024
TC T	2	0001
TPC328	A 1	0157
TPC328	A 2	0158
TPC328	A 3	0156
TPC328	A 4	0045
TPC328	A 6	0067
TPC328	A 7	0179
TPC328	A 8	0124
TPC328	A 9	0116
TPC328	A10	0120
TPC328	B 1	0170
TPC328	B 2	0053
TPC328	B 4	0046
TPC328	B 6	0069
TPC328	B 7	0181
TPC328	B 8	0133
TPC328	B 9	0125
TPC328	B10	C129
TPC328	C 1	0174
TPC328	C 3	0171
TPC328	C 4	0047
TPC328	C 6	0071
TPC328	C 7	0172
TPC328	C 8	0175
TPC328	C 9	0117
TPC328	C10	0121
TPC328	D 1	0177
TPC328	D 2	0052
TPC328	D 4	0048
TPC328	D 6	0073
TPC328	D 7	0057
TPC328	D 8	0178
TPC328	D 9	0126
TPC328	D10	0130
TPC328	E 1	0028
TPC328	E 2	0080
TPC328	E 5	0152
TPC328	E 7	0059
TPC328	E 8	0180
TPC328	E 9	0118
TPC328	E10	0122
TPC328	F 1	0083
TPC328	F 2	0043
TPC328	F 3	0032
TPC328	F 4	0153

NETWORK LISTING (TABULAR WIRING DIAGRAM)- INDEX

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE	OF
7745	1	VS269	1 2 70	B4	4

COMPONENT	PIN	NET
TPC328	F 5	0042
TPC328	F 7	0061
TPC328	F 8	0169
TPC328	F 9	0127
TPC328	F10	0131
TPC328	G 1	0084
TPC328	G 3	0033
TPC328	G 4	0155
TPC328	G 5	0041
TPC328	G 7	0063
TPC328	G 8	0173
TPC328	G 9	0119
TPC328	G10	0123
TPC328	H 1	0085
TPC328	H 2	0031
TPC328	H 3	0034
TPC328	H 4	C049
TPC328	H 5	0154
TPC328	H 7	0065
TPC328	H 8	0176
TPC328	H 9	0128
TPC328	H10	0132
TPC428	A 1	0011
TPC428	A 2	0012
TPC428	A 3	0013
TPC428	B 1	0005
TPC428	B 2	0012
TPC428	B 3	0014
TS B	1	0017
TS B	2	0018
TS B	3	0009
TS B	4	0019
TS T	1	0015
TS T	2	0011
TS T	3	0007
TS T	4	0016

OF PINS = 0513

END OF LISTING

COMPONENT	PIN	NET

COMPONENT	PIN	NET

NETWORK LISTING (TABULAR WIRING DIAGRAM)- INDEX

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE
7745	1	VS269	1 2 70	C1 OF 7

NET	COMPONENT	PIN
0001	GF	T LIN
0001	P	T 3
0001	• • TC	T 2
0001	• MS	T 3
0001	SS	T 3
0002	GF	T LOA
0002	KL	T 32
0003	GF	B LIN
0003	P	B 3
0003	• • SS	B 3
0003	• TC	B 2
0003	MS	B 3
0004	GF	B LOA
0004	KL	B 32
0005	FF	LIN
0005	B	3
0005	• • BPC428	B 1
0005	• B M	LOA
0005	TPC428	B 1
0006	KL	T 22
0006	FF	LOA
0006	KL	B 22
0007	SF	T LIN
0007	TS	T 3
0007	SS	T 1
0008	SF	T LOA
0008	P	T 1
0008	SP	T 1
0009	SF	B LIN
0009	TS	B 3
0009	SS	B 1
0010	SF	B LOA
0010	P	B 1
0010	SP	B 1
0011	TPC428	A 1
0011	P	T 6
0011	TS	T 2
0011	MS	T 1
0012	TPC428	A 2
0012	P	T FR
0012	• B	FR
0012	• • • •	BPC428 B 2

NET	COMPONENT	PIN
0012	• • •	INNER FR
0012	• •	OUTER FR
0012	•	TPC428 B 2
0012	SP	T 2
0013	TPC428	A 3
0013	P	T 4
0013	• SP	T 3
0013	R	2
0013	A	1
0013	C	1
0014	TPC428	B 3
0014	B	4
0014	• •	BPC428 B 3
0014	• A	3
0014	• C	3
0014	B F	2
0014	B F	1
0014	• • FAN	2 1
0014	• FC	1
0014	FAN 1	1
0015	KL	T 33
0015	TS	T 1
0015	R 1	1
0016	KL	T 30
0016	TS	T 4
0016	R 2	1
0017	R 3	2
0017	TS	B 1
0017	KL	B 33
0018	MS	B 1
0018	TS	B 2
0018	P	B 6
0018	BPC428	A 1
0019	R 4	2
0019	TS	B 4
0019	KL	B 30
0020	MS	B 2
0020	R 4	1
0021	SS	T 2
0021	R 1	2
0022	SS	B 2
0022	R 3	1

NETWORK LISTING (TABULAR WIRING DIAGRAM)

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE
90 7745	1	VS269	1 2 70	C 2 OF 7

NET	COMPONENT	PIN
0023	FAN 1	2
0023	B F	4
0023	. . B F	3
0023	. . . KL B	20
0023	. . KL T	20
0023	. FC	2
0023	FAN 2	2
0024	TC T	1
0024	P T	2
0024	B	1
0024	B T	LOA
0025	TC B	1
0025	P B	2
0025	B	5
0025	B B	LOA
0026	BPC428	A 3
0026	P B	4
0026	. SP B	3
0026	B	6
0026	A	5
0026	C	5
0027	BPC428	A 2
0027	P B	FR
0027	SP B	2
0028	KL T	1
0028	ST T	4
0028	. TPC328	E 1
0028	PD328	E 1
0029	KL T	3
0029	DA T	12
0030	KL T	4
0030	DA T	13
0031	KL T	5
0031	TPC328	H 2
0032	KL T	7
0032	TPC328	F 3
0033	KL T	8
0033	TPC328	G 3
0034	KL T	9
0034	TPC328	H 3
0035	KL T	10

NET	COMPONENT	PIN
0035	PD328 .	B 5
0036	KL T	11
0036	PD328	A 5
0037	KL T	12
0037	PD328	A 4
0038	KL T	13
0038	PD328	B 4
0039	KL T	14
0039	PD328	C 4
0040	KL T	15
0040	PD328	D 4
0041	KL T	16
0041	TPC328	G 5
0042	KL T	17
0042	TPC328	F 5
0043	KL T	18
0043	TPC328	F 2
0044	KL T	19
0044	PD328	C 5
0045	KL T	24
0045	TPC328	A 4
0046	KL T	25
0046	TPC328	B 4
0047	KL T	26
0047	TPC328	C 4
0048	KL T	27
0048	TPC328	D 4
0049	KL T	28
0049	TPC328	H 4
0050	KL T	29
0050	PD328	B 3
0051	KL T	31
0051	PD328	C 2
0052	KL T	34
0052	ST T	2
0052	. . PD328	D 2

TITLE CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE
80 7745	1	VS269	1 2 70	C3 OF 7

NET	COMPONENT	PIN
0052	• TPC328	C 7
0052	N T	19
0053	KL T	36
0053	ST T	1
0053	• • TPC328	B 2
0053	• G T	1
0053	DA T	16
0054	R T	LIN
0054	A	2
0054	C	2
0055	B M	LIN
0055	A	4
0055	C	4
0056	B R	LIN
0056	A	6
0056	C	6
0057	N T	1
0057	TPC328	D 7
0058	N T	2
0058	PD328	C 9
0059	N T	3
0059	TPC328	E 7
0060	N T	4
0060	PD328	D 9
0061	N T	5
0061	TPC328	F 7
0062	N T	6
0062	PD328	E 9
0063	N T	7
0063	TPC328	G 7
0064	N T	8
0064	PD328	A10
0065	N T	9
0065	TPC328	H 7
0066	N T	10
0066	PD328	B10
0067	N T	11
0067	TPC328	A 6
0068	N T	12
0068	PD328	C10
0069	N T	13
0069	TPC328	B 6
0070	N T	14
0070	PD328	D10
0071	N T	15
0071	TPC328	C 6
0072	N T	16
0072	PD328	E10
0073	N T	17
0073	TPC328	D 6
0074	N T	18
0074	PD328	B 9
0075	N T	20
0075	PD328	D 6
0076	N T	21
0076	PD328	A 1
0077	N T	22
0077	PD328	E 6
0078	N T	23
0078	PD328	A 2
0079	N T	26
0079	PD328	E 5
0080	N T	27
0080	TPC328	E 2
0081	N T	28
0081	PD328	C 3
0082	N T	30
0082	PD328	E 3
0083	N T	32
0083	TPC328	F 1
0084	N T	34
0084	TPC328	G 1
0085	N T	36

NETWORK LISTING (TABULAR WIRING DIAGRAM)

TITLE: CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE
00 7745	1	VS269	1 2 70	C 4 OF 7

NET	COMPONENT	PIN
0085	TPC328	H 1
0086	N B	1
0086	BPC328	D 7
0087	N B	2
0087	PD428	C 9
0088	N B	3
0088	BPC328	E 7
0089	N B	4
0089	PD428	D 9
0090	N B	5
0090	BPC328	F 7
0091	N B	6
0091	PD428	E 9
0092	N B	7
0092	BPC328	G 7
0093	N B	8
0093	PD428	A10
0094	N B	9
0094	BPC328	H 7
0095	N B	10
0095	PD428	B10
0096	N B	11
0096	BPC328	A 6
0097	N B	12
0097	PD428	C10
0098	N B	13
0098	BPC328	B 6
0099	N B	14
0099	PD428	D10
0100	N B	15
0100	BPC328	C 6
0101	N B	16
0101	PD428	E10
0102	N B	17
0102	BPC328	D 6

NET	COMPONENT	PIN
0103	N B	18
0103	PD428	B 9
0104	N B	19
0104	ST B	3
0104	• • BPC328	B 2
0104	• KL B	[illegible]
0104	PD428	B 2
0105	N B	20
0105	PD428	D 6
0106	N B	21
0106	PD428	A 1
0107	N B	22
0107	PD428	E 6
0108	N B	23
0108	PD428	A 2
0109	N B	26
0109	PD428	E 5
0110	N B	27
0110	BPC328	E 2
0111	N B	28
0111	PD428	C 3
0112	N B	30
0112	PD428	E 3
0113	N B	32
0113	BPC328	F 1
0114	N B	34
0114	BPC328	G 1
0115	N B	36
0115	BPC328	H 1
0116	DD T	1
0116	TPC328	A 9
0117	DD T	2
0117	TPC328	C 9
0118	DD T	3
0118	TPC328	E 9
0119	DD T	4
0119	TPC328	G 9

NETWORK LISTING (TABULAR WIRING DIAGRAM)

TITLE CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE
7745	1	VS269	1 ? 70	C 5OF 7

NET	COMPONENT	PIN
0120	DD T	5
0120	TPC328	A10
0121	DD T	6
0121	TPC328	C10
0122	DD T	7
0122	TPC328	E10
0123	DD T	8
0123	TPC328	G10
0124	DD T	9
0124	TPC328	A 8
0125	DD T	13
0125	TPC328	B 9
0126	DD T	14
0126	TPC328	D 9
0127	DD T	15
0127	TPC328	F 9
0128	DD T	16
0128	TPC328	H 9
0129	DD T	17
0129	TPC328	B10
0130	DD T	18
0130	TPC328	D10
0131	DD T	19
0131	TPC328	F10
0132	DD T	20
0132	TPC328	H10
0133	DD T	21
0133	TPC328	B 8
0134	DD B	1
0134	BPC328	A 9
0135	DD B	2
0135	BPC328	C 9
0136	DD B	3
0136	BPC328	E 9
0137	DD B	4

NET	COMPONENT	PIN
0137	BPC328	G 9
0138	DD B	5
0138	BPC328	A10
0139	DD B	6
0139	BPC328	C10
0140	DD B	7
0140	BPC328	E10
0141	DD B	8
0141	BPC328	G10
0142	DD B	9
0142	BPC328	A 8
0143	DD B	13
0143	BPC328	B 9
0144	DD B	14
0144	BPC328	D 9
0145	DD B	15
0145	BPC328	F 9
0146	DD B	16
0146	BPC328	H 9
0147	DD B	17
0147	BPC328	B10
0148	DD B	18
0148	BPC328	D10
0149	DD B	19
0149	BPC328	F10
0150	DD B	20
0150	BPC328	H10
0151	DD B	21
0151	BPC328	B 8
0152	DA T	4
0152	TPC328	E 5
0153	DA T	10
0153	TPC328	F 4
0154	DA T	11
0154	TPC328	H 5

NETWORK LISTING (TABULAR WIRING DIAGRAM)

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE	PAGE
01 7745	1	VS269	1 2 70	C 6 OF 7

NET	COMPONENT	PIN
0155	DA T	14
0155	TPC328	G 4
0156	DA T	15
0156	ST T	3
0156	• TPC328	A 3
0156	PD328	A 3
0157	DA T	17
0157	TPC328	A 1
0158	DA T	18
0158	TPC328	A 2
0159	DA B	4
0159	BPC328	E 5
0160	DA B	10
0160	BPC328	F 4
0161	DA B	11
0161	BPC328	H 5
0162	DA B	12
0162	KL B	3
0163	DA B	13
0163	KL B	4
0164	DA B	14
0164	BPC328	G 4
0165	DA B	15
0165	ST B	3
0165	• BPC328	A 3
0165	PD428	A 3
0166	DA B	16
0166	ST B	1
0166	• • KL B	36
0166	• G B	1
0166	BPC328	B 2
0167	DA B	17
0167	BPC328	A 1
0168	DA B	18
0168	BPC328	A 2
0169	PD328	A 8
0169	TPC328	F 8
0170	PC328	B 1

NET	COMPONENT	PIN
0170	TPC328	B 1
0171	PD328	B 2
0171	TPC328	C 3
0172	PD328	B 7
0172	TPC328	C 7
0173	PD328	B 8
0173	TPC328	G 8
0174	PD328	C 1
0174	TPC328	C 1
0175	PD328	C 7
0175	TPC328	C 8
0176	PD328	C 8
0176	TPC328	H 8
0177	PD328	D 1
0177	TPC328	D 1
0178	PD328	D 7
0178	TPC328	D 8
0179	PD328	D 8
0179	TPC328	A 7
0180	PD328	E 7
0180	TPC328	E 8
0181	PD328	E 8
0181	TPC328	B 7
0182	PD428	A 4
0182	KL B	12
0183	PD428	A 5
0183	KL B	11
0184	PD428	A 8
0184	BPC328	F 8
0185	PD428	B 1
0185	BPC328	B 1
0186	PD428	B 2
0186	BPC328	C 3
0187	PD428	B 3
0187	KL B	29

NETWORK LISTING (TABULAR WIRING DIAGRAM)

TITLE
CABINET WIRING OF RECEIVER 336915

WIRING DIAGRAM	ISSUE	USED ON	DATE		
7745	1	VS269	1 2 70	PAGE	C 7 OF 7

NET	COMPONENT	PIN
0188	PD428	A 4
0188	KL A	13
0189	PD428	A 5
0189	KL A	10
0190	PD428	B 7
0190	BPC328	C 7
0191	PD428	A 8
0191	BPC328	G 8
0192	PD428	C 1
0192	BPC328	C 1
0193	PD428	C 2
0193	KL B	31
0194	PD428	C 4
0194	KL B	14
0195	PD428	C 5
0195	KL B	19
0196	PD428	C 7
0196	BPC328	C 8
0197	PD428	C 8
0197	BPC328	H 8
0198	PD428	D 1
0198	BPC328	D 1
0199	PD428	D 4
0199	KL A	15
0200	PD428	D 7
0200	BPC328	D 8
0201	PD428	D 8
0201	BPC328	A 7
0202	PD428	F 1
0202	ST A	4
0202	• KL B	1
0202	BPC328	E 1
0203	PD428	E 7
0203	BPC328	E 8
0204	PD428	E 8
0204	BPC328	B 7

NET	COMPONENT	PIN
0205	BPC328	A 4
0205	KL B	24
0206	BPC328	B 4
0206	KL B	25
0207	BPC328	C 4
0207	KL B	26
0208	BPC328	D 4
0208	KL B	27
0209	BPC328	F 2
0209	KL B	18
0210	BPC328	F 3
0210	KL B	7
0211	BPC328	F 5
0211	KL B	17
0212	BPC328	G 3
0212	KL B	8
0213	BPC328	G 5
0213	KL B	16
0214	BPC328	H 2
0214	KL B	5
0215	BPC328	H 3
0215	KL B	9
0216	BPC328	H 4
0216	KL B	28
0217	A	FR
0217	C	FR
0218	R 2	2
0218	MS T	2

NUMBER OF WIRES - 0293

END OF LISTING

NO.	NOTES

SUPPORTING INFORMATION	
CATEGORY	NO.

CONTENTS	SHEET NO.
NOTES	1
ALARM LOGIC	2
REPERFORATOR CONTROL	3
PUNCH DRIVER	4
RECEIVER CONTROL LOGIC	5
UNITS COUNTER	6
SERIAL TO PARALLEL CONVERTER	7
SERIAL TO PARALLEL CONVERTER	8
CABINET POWER	9
REPERFORATOR SHELF POWER	10
POWER SUPPLY	11

ISSUE CONTROL RECORD

SHEET NO.	ISSUE 2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	X																	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		

7746WD

REVISIONS APPLYING TO THIS CONTROL RECORD

ISSUE	DATE	AUTH. NO.
1	2-24-70	20615-R
2	6-4-70	585

WDP

ISSUE CONTROL SHEET 1 OF 1

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS269

WD NUMBER	7746 WD
DRAWN DG	CHKD. [illegible]
ENGD. [illegible]	APPD. [signature]

TELETYPE CORPORATION

7746WD

TC 482 8-65 SEE R&D ROUTINE #5 FOR USE OF THIS FORM

NOTES

1. ALL VOLTAGES DC UNLESS OTHERWISE SPECIFIED
2. TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESES ( ) ARE FOR REFERENCE AND ARE NOT MARKED ON COMPONENT
3. ALL RESISTORS 1/2 WATT AND RESISTANCE VALUES IN OHMS, UNLESS OTHERWISE SPECIFIED.
4. ALL CAPACITANCE VALUES IN MICROFARADS, UNLESS OTHERWISE SPECIFIED
5. COMPONENTS ENCLOSED IN SOLID DOUBLE LINE ARE PRESENTED FOR REFERENCE ONLY. A COMPLETE SCHEMATIC OF THESE COMPONENTS IS AVAILABLE AT THE WD OR AREA INDICATED.
6. DASHED---SINGLE LINE ENCLOSING COMPONENTS INDICATES ONE CARD OR ASSEMBLY LOCATION FOR ALL THE ENCLOSED COMPONENTS.
7. THE FOLLOWING CIRCUIT CARDS ARE LOCATED IN THE FOLLOWING POSITIONS:

MODULE-C

ZC121 THRU ZC123, ZC319 THRU ZC324	303730
ZC110, ZC112, ZC116, ZC307, ZC316	303685
ZC309, ZC311	303686
ZC108	303629
ZC114, ZC115, ZC315	303688
ZC120	336906
ZC313	303626
ZC418	336908
ZC318	149248
ZC608	149254
ZC107, ZC207	149261

MODULE-D

ZD107, ZD118, ZD120, ZD303, ZD313, ZD507, ZD518, ZD520	303685
ZD103, ZD105, ZD109, ZD111, ZD113, ZD115, ZD503, ZD505, ZD509, ZD511, ZD513, ZD515	303686
ZD307, ZD317	303688
ZD122, THRU ZD124, ZD322 THRU ZD324	303689
ZD305, ZD315	303627
ZD117, ZD517	149243
ZD125, ZD525	149244
ZD226, ZD626	149248
ZD127, ZD527	149252
ZD227, ZD627	149253
ZD126, ZD526	177530
ZD308, ZD318	149261

8. SPARE CIRCUITS AVAILABLE:

MODULE C

ZC108-DYA, PAE
ZC313-PAF
ZC307-LA-ID, IE, IF
ZC316-KI
ZC107-A, C

(SEE NOTE 28 FOR MODULE D)

9. THE RESISTANCE OF ALL RELAY COILS IS IN OHMS UNLESS OTHERWISE SPECIFIED.
10. KC119-A IN MODULE C CONTAINS A 304147 RELAY.
11. ZC127 OF MODULE C CONTAINS 9 148640 POWER RESISTORS.
12. ZC128 OF MODULE C CONTAINS 9 148643 POWER DIODES.
13. FOR ADDITIONAL WIRING INFORMATION ON TAPE REPERFORATOR REFER TO DR 7751 WD. SCHEMATIC
14.
15. > INDICATES FEMALE AND → INDICATES MALE TERMINAL ON CONNECTORS
16. ALL REVISION INFORMATION IS REFLECTED ON THE ISSUE CONTROL RECORD.
17. LAMP COLORS ARE CLEAR UNLESS OTHERWISE SPECIFIED.
18. THE SYMBOLS ON THE FOLLOWING PAGES HAVE DESIGNATIONS THAT MAKE REFERENCE TO THE BOTTOM REPERFORATOR. THE FOLLOWING TABLE GIVES THE CORRESPONDING DESIGNATIONS FOR THE UPPER REPERFORATOR.:

MODULE D

BOTTOM REPERF.	TOP REPERF.
ZD503	ZD103
ZD505	ZD105
ZD507	ZD107
ZD509	ZD109
ZD511	ZD111
ZD513	ZD113
ZD515	ZD115
ZD517	ZD117
ZD518	ZD118
ZD520	ZD120
ZD522	ZD122
ZD523	ZD123
ZD524	ZD124
ZD525	ZD125
ZD526	ZD126
ZD626	ZD226
ZD527	ZD127
ZD627	ZD227
ZD303	ZD313
ZD305	ZD315
ZD307	ZD317
ZD308	ZD318
SWD5	SWD1
SWD7	SWD3
SWD8	SWD4
SWD6	SWD2
JD428	JD328

MODULE C

THERE IS ONE MODULE C FOR EACH REPERFORATOR; THEREFORE, THE DESIGNATIONS FOR EACH MODULE ARE IDENTICAL.

CONTROL PANEL

BOTTOM REPERF.	TOP REPERF.
DS101	DS201
DS102	DS202
DS103	DS203
DS104	DS204
DS105	DS205
DS106	DS206
DS107	DS207
DS108	DS208
DS109	DS209
DS110	DS210
SWI01	SW201
SWI02	SW202
SWI03	SW203
SWI05	SW205
SWI06	SW206
SWI07	SW207
SWI08	SW208
SWI09	SW209
SWI10	SW210
R1	R7
R2	R8
R3	R9
R4	R10
R5	R11
R6	R12

CABINET CONNECTORS

BOTTOM REPERF.	TOP REPERF.
KLB	KLT
NB	NT
DAB	DAT
DDB	DDT
SPB	SPT
BPC328	TPC328
PD428	PD328
BPC428-A	TPC428-A
BPC428-B	TPC428-B

19. THE TERMINALS INDICATED AS "LEVEL" ON THE 149243 CIRCUIT CARD ARE "STRAPPED TO THE "INVERTED" OR "NORMAL" TERMINALS DEPENDING ON THE APPLICATION. THIS CARD MUST BE IDENTICALLY WIRED IN BOTH THE TRANSMITTER AND THE RECEIVER.
20. THE R C NETWORKS ON EACH CIRCUIT CARD ARE IDENTICAL; HOWEVER THE VALUES PER CARD ARE DEPENDENT ON THE DESIRED WAVESHAPE.
21. INDUCTANCE VALUE IN MICROHENRIES.
22. FOR ACTUAL WIRING DIAGRAMS REFER TO:

MODULE C	7731 WD
MODULE D	7732WD
VS269 CABINET	7745WD
REPERF. SHELF	7734WD
KEY & LAMP PANEL	7735WD
MODULE C POWER SUPPLY	7736WD

REFERENCE WIRING DIAGRAMS:

ACTUAL	DRPE 811	7750WD
SCHEMATIC	DRPE 811	7751WD

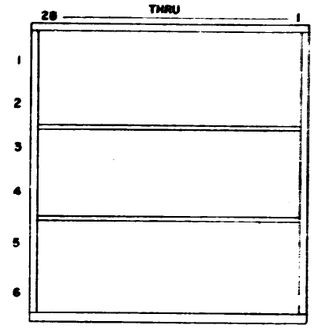
23. ONLY ONE CONNECTOR IS INDICATED IN THE CASES WHERE PLUG AND RECEPTACLE ARE THE SAME OR THEY ONLY DIFFER BY A J & P. THE PIN NUMBERS ON PLUG AND RECEPTACLE ARE THE SAME
24. THE HALF ARROWS (⇀) INPUT TO A DIGITAL POTTED MODULE CIRCUIT INDICATES THAT CIRCUIT IS SENSITIVE TO A VOLTAGE OR CURRENT LEVEL AT THAT INPUT.
    THE FULL ARROW (—→) INPUT TO A DIGITAL POTTED MODULE CIRCUIT INDICATES THAT CIRCUIT IS SENSITIVE TO A VOLTAGE CHANGE OR PULSE AT THAT INPUT.
25. WHEN 15 PIN CARDS ARE USED, TWO ARE PLACED IN ONE 36 PIN CARD CONNECTOR. THE ACTUAL WD INDICATES ONLY ONE LOCATION NUMBER FOR THE ENTIRE 36 PIN CONNECTOR. THIS SCHEMATIC WD DESIGNATES A POSITION NUMBER FOR EACH CARD, EG: ZE103 ON ACTUAL WOULD BE ZE103 AND ZE203 ON SCHEMATIC DEPENDING ON LOCATION. SEE MODULE CO-ORDINATE SYSTEM.
26. CROSS REFERENCE LEGEND:
    5-B2-AA
    - 5 — SHEET NUMBER
    - B2 — CO-ORDINATE SYSTEM
    - AA — LEGEND DESIGNATION WHEN NEEDED
27. ▽ INDICATES CIRCUIT COMMON.
    ▽ INDICATES LAMP AND SWITCH COMMON.
    THESE ARE CONNECTED TOGETHER IN MODULE C (336912)
28. SPARE CIRCUITS AVAILABLE:

MODULE D

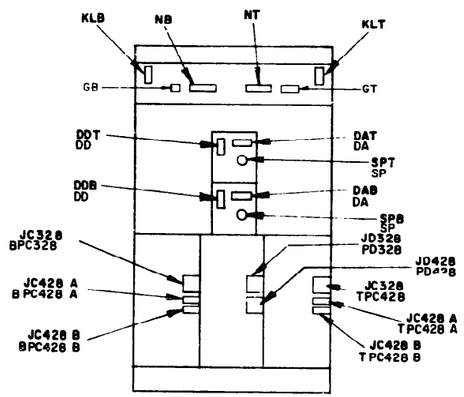
ZD103-D-F, CR-B
ZD503-D-F, CR-B
ZD105-CR-B, CR-C, CR-E, CR-F
ZD505-CR-B, CR-C, CR-E, CR-F
ZD109-D-F, CR-F
ZD509-D-F, CR-F
ZD111-D-F, CR-B, CR-C, CR-E, CR-F
ZD511-D-F, CR-B, CR-C, CR-E, CR-F
ZD113-CR-B, CR-C, CR-E, CR-F
ZD513-CR-B, CR-C, CR-E, CR-F
ZD115-CR-B, CR-C,
ZD515-CR-B, CR-C,
ZD125-10
ZD525-10
ZD126-3
ZD526-3
ZD226-K4
ZD626-K4

29. CERTAIN LOGIC SYMBOLS USED ON THIS WIRING DIAGRAM DO NOT CONFORM TO TELETYPE DESIGN STANDARDS. THE SYMBOLS ARE EXPLAINED ON THE RESPECTIVE CIRCUIT CARD DRAWINGS.
30. WIRING TO PUSHBUTTON LIGHT SOCKETS HAS BEEN PROVIDED.
31. THE FOLLOWING FROM TO CONNECTIONS ARE SPARE WIRES PROVIDED IN THE CABINET CABLE.

FROM		TO		
BPC328	A1	DA	B	17
BPC328	A2	DA	B	18
BPC328	B1	PD428		B1
BPC328	D1	PD428		D1
BPC328	E2	N	B	27
BPC328	F2	KL	B	18
PD428	A1	N	B	21
PD428	A2	N	B	23



COORDINATE SYSTEM
VIEWED FROM WIRING SIDE



CONNECTOR LOCATION IN RECEIVER CABINET
VIEWED FROM REAR
VS 269

REVISIONS		
ISSUE	DATE	AUTH
	2-24-70	20613-R

WDP

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD

SHEET 1

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

APPROVALS	
D AND R	E OF M

E-NUMBER	
PROD. NO.	7746 WD
DATE	11-1-69
P.D. FILE NO.	38-A2/65AA
DRAWN DQ	CHKD.
ENGD. EJH	APPD.

TELETYPE CORPORATION

7746WD

TC 484-5-69

"SEE SHEET 1 FOR NOTES."

ALARM LOGIC - MOD. C

NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD. WHICH IS A PART OF THIS DRAWING

7746WD		
REVISIONS		
ISSUE	DATE	AUTH. NO.
1	2-24-70	2083-R

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD

SHEET 2

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

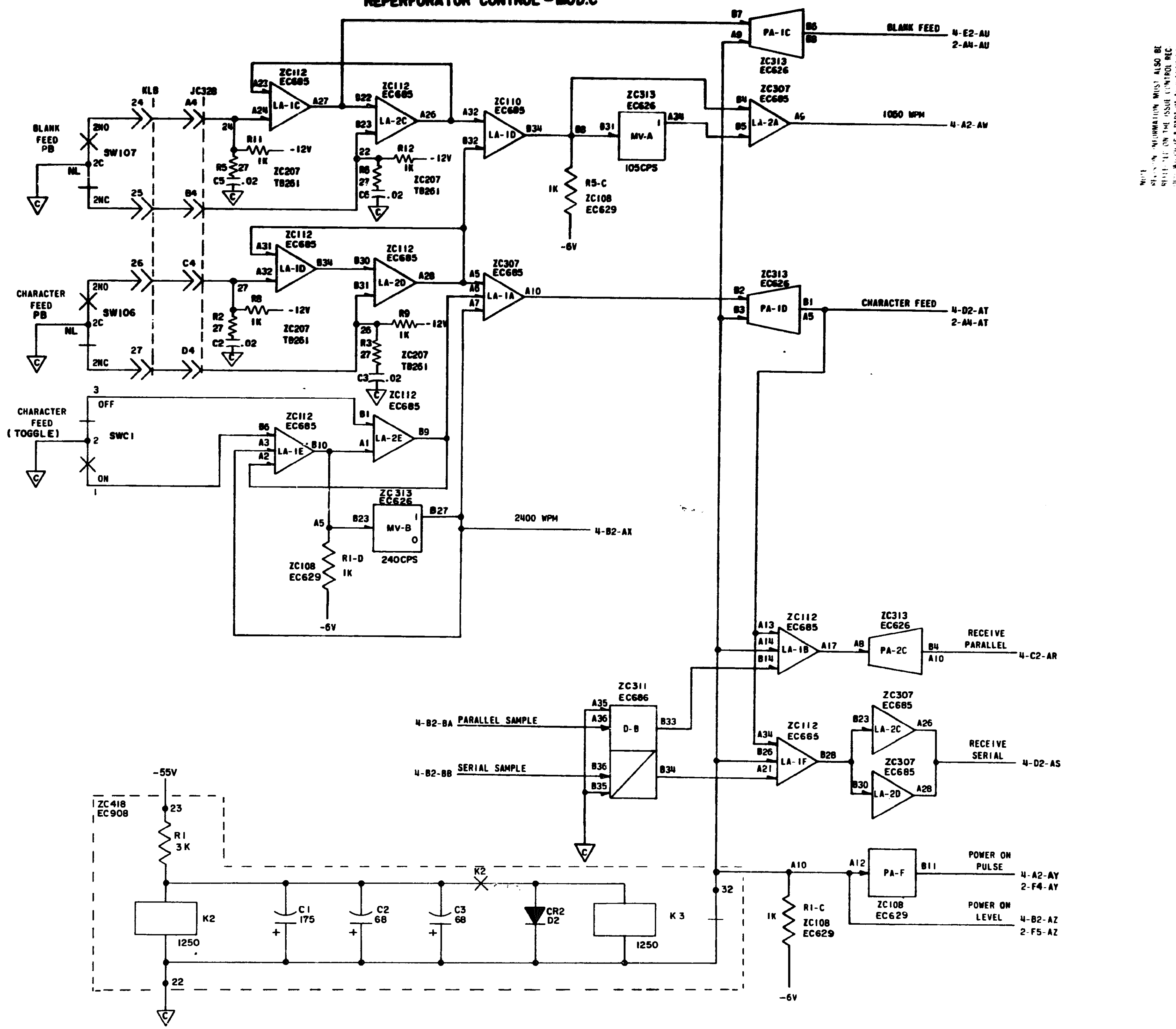
APPROVALS	
D AND R	E OF M
E-NUMBER	
PROD. NO. 7746 WD	
DATE 11-1-69	
P.D. FILE NO. 38-A2/65AA	
DRAWN D Q	CHKD.
ENGD. E J H	APPD.

TELETYPE CORPORATION

7746WD

SEE SHEET 1 FOR NOTES.

REPERFORATOR CONTROL - MOD.C



7746WD

REVISIONS

ISSUE	DATE	AUTH. NO.
1	2-24-70	20613-R

NOTE: ... INFORMATION MUST ALSO BE ... ON THE ISSUE CONTROL REC... AS A PART OF THIS DRAWING

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD SHEET 3

SCHEMATIC WIRING DIAGRAM FOR RECEIVER SET VS 269

APPROVALS

D AND R	E OF M
[signature]	[signature]

E-NUMBER

PROD. NO. 7746 WD

DATE 11-1-69

P.D. FILE NO. 38-A2/65AA

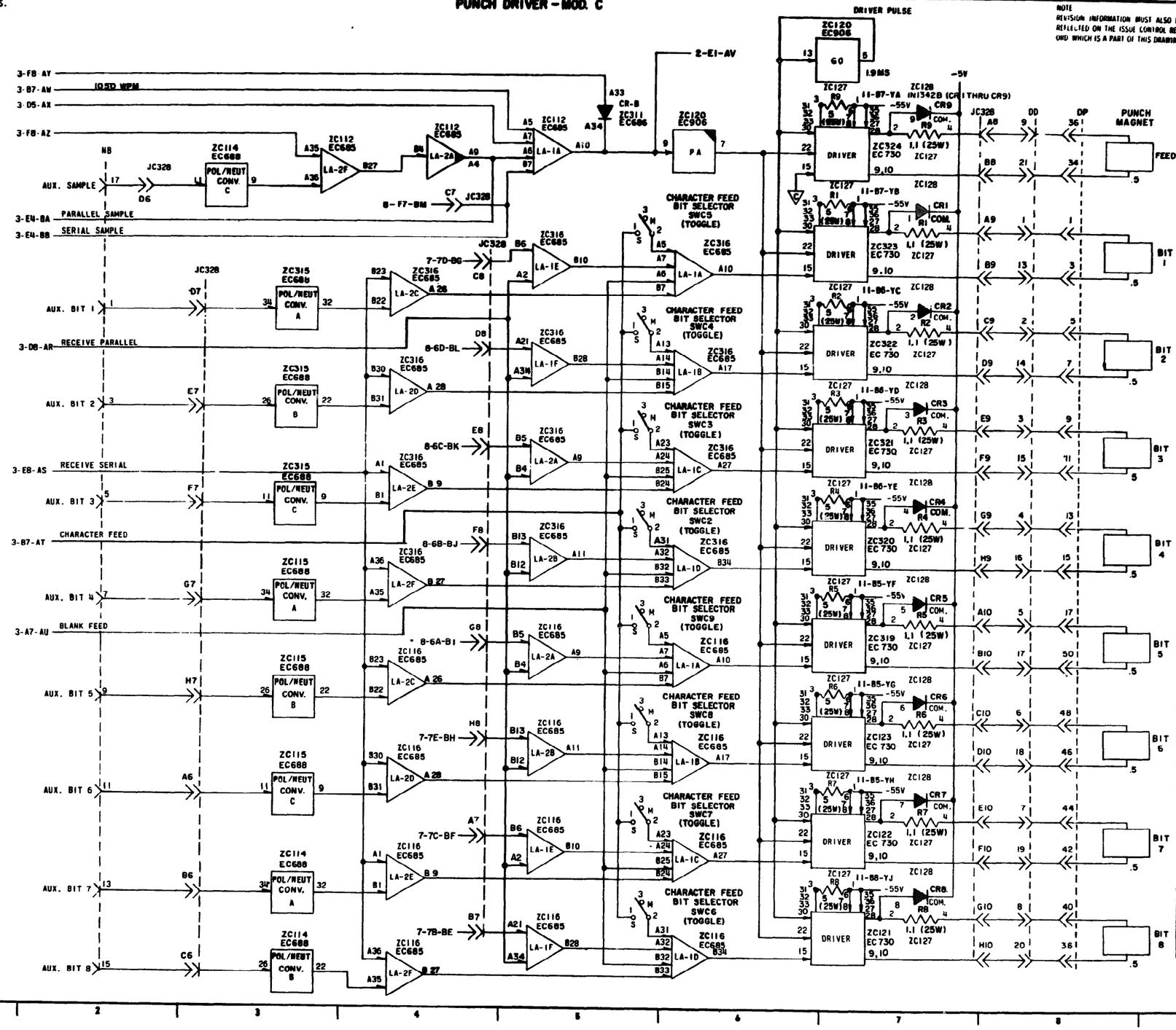
DRAWN D Q	CHKD. [signature]
ENGD. E J H	APPD. [signature]

TELETYPE CORPORATION

7746WD

SEE SHEET 1 FOR NOTES.

PUNCH DRIVER - MOD. C



NOTE
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD WHICH IS A PART OF THIS DRAWING

7746WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	2-24-70	2985-R

WDP

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD SHEET 4

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

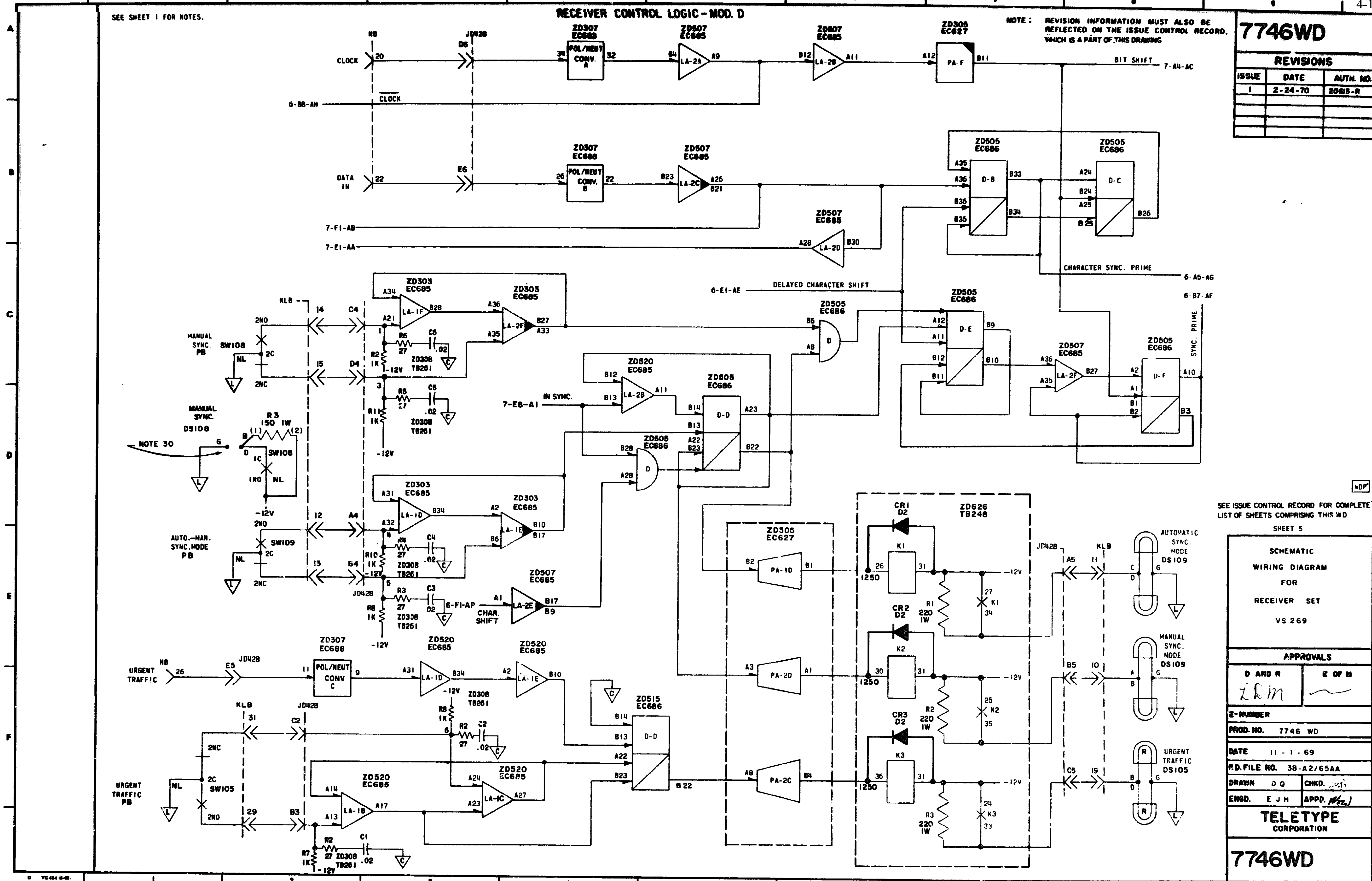
APPROVALS

D AND R	E OF M
LDM	

E-NUMBER	
PROD. NO.	7746 WD
DATE	11-1-69
P.D. FILE NO.	38-A2/65AA
DRAWN DQ	CHKD.
ENGD. EJH	APPD.

TELETYPE CORPORATION

7746WD



SEE SHEET 1 FOR NOTES.
RECEIVER CONTROL LOGIC - MOD. D
NOTE: REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS A PART OF THIS DRAWING
7746WD
REVISIONS
ISSUE
DATE
AUTH. NO.
1
2-24-70
2061-R
CLOCK
DATA IN
BIT SHIFT
CHARACTER SYNC. PRIME
DELAYED CHARACTER SHIFT
SYNC. PRIME
IN SYNC.
CHAR. SHIFT
MANUAL SYNC. PB
MANUAL SYNC. DS108
NOTE 30
AUTO.-MAN. SYNC. MODE PB
URGENT TRAFFIC
URGENT TRAFFIC PB
AUTOMATIC SYNC. MODE DS109
MANUAL SYNC. MODE DS109
URGENT TRAFFIC DS105
SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD
SHEET 5
SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269
APPROVALS
D AND R
E OF M
E-NUMBER
PROD. NO. 7746 WD
DATE 11-1-69
P.D. FILE NO. 38-A2/65AA
DRAWN D Q
CHKD.
ENGD. E J H
APPD.
TELETYPE CORPORATION
7746WD

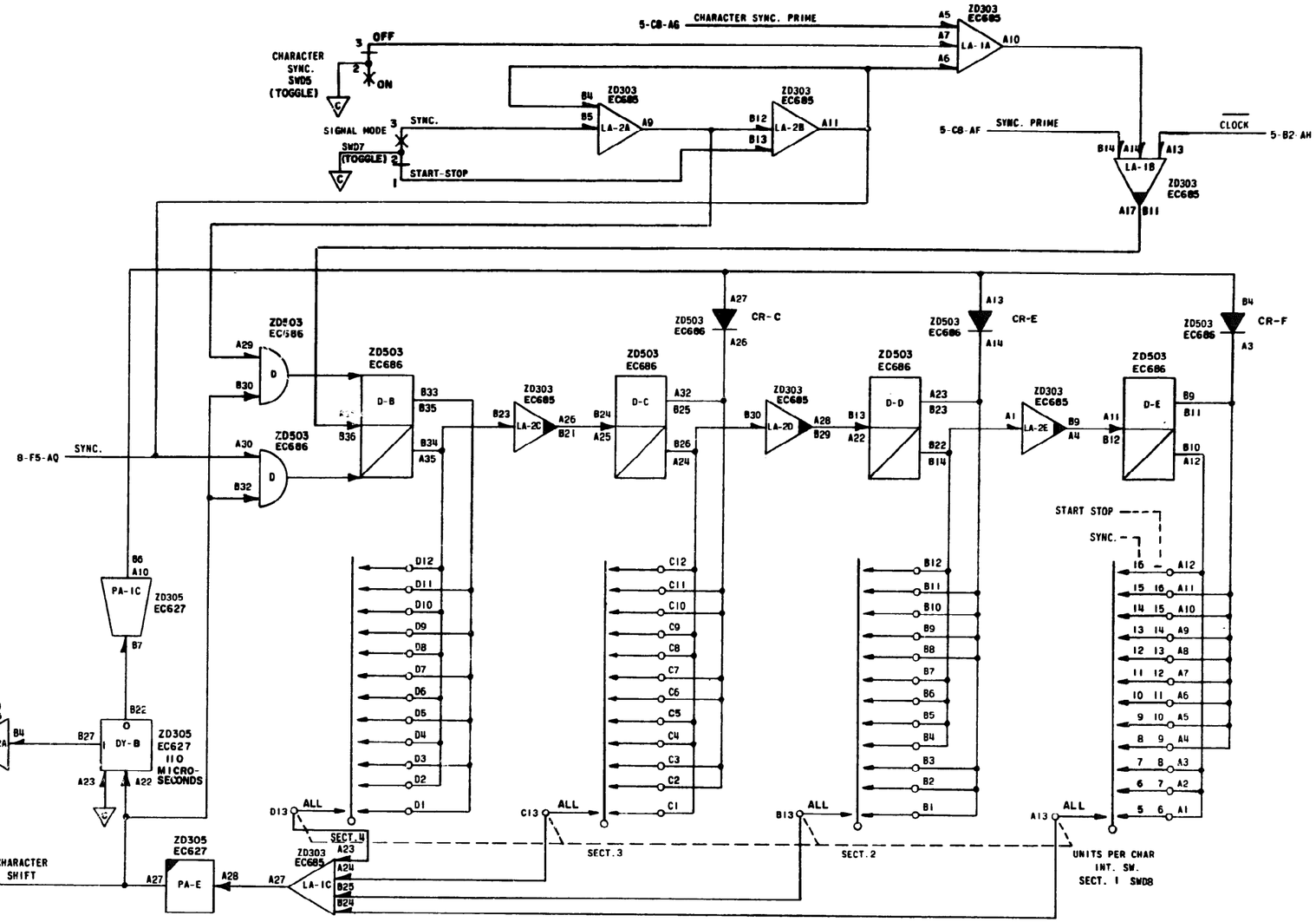
SEE SHEET 1 FOR NOTES.

UNITS COUNTER - MOD. D

NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD WHICH IS A PART OF THIS DRAWING

7746WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	2-24-70	20613-R



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD
SHEET 6

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

APPROVALS	
D AND R	E OF M
LEM	

E-NUMBER

PROD. NO. 7746 WD

DATE 11-1-69

R.D. FILE NO. 38-A2/65AA

DRAWN	CHKD.
D Q	
ENGD. E J H	APPD.

TELETYPE CORPORATION

7746WD

SEE SHEET 1 FOR NOTES.

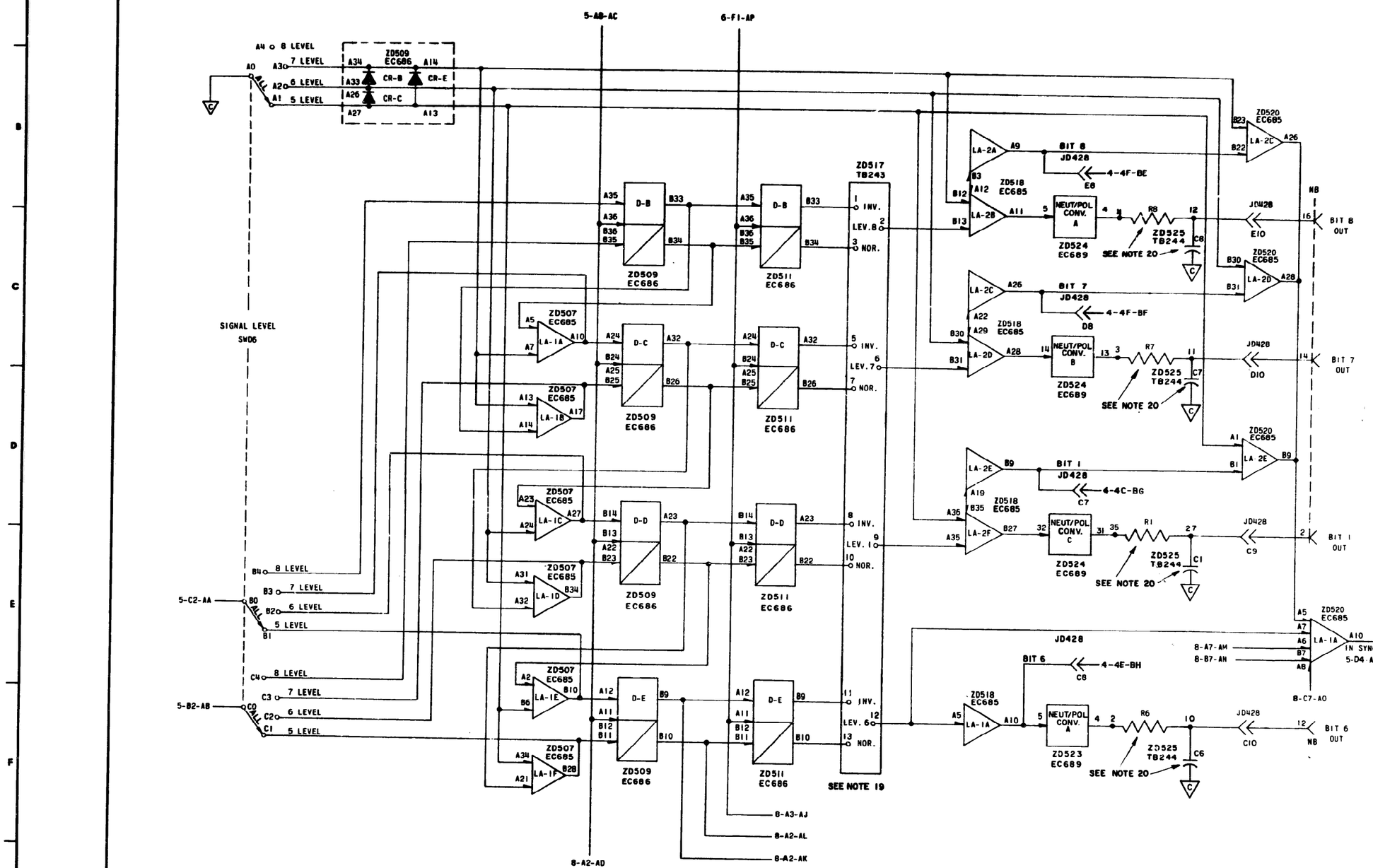
SERIAL TO PARALLEL CONVERTER - MOD. D

NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD WHICH IS A PART OF THIS DRAWING

7746WD

REVISIONS

ISSUE	DATE	AUTH. NO.
1	2-24-70	2065-R



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD

SHEET 7

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

APPROVALS

D AND R	E OF M
LDm	

E-NUMBER	
PROD. NO.	7746 WD
DATE	11 - 1 - 69
P.D. FILE NO.	38-A2/65AA
DRAWN D Q	CHKD.
ENGD. E J H	APPD.

TELETYPE CORPORATION

7746WD

SEE SHEET 1 FOR NOTES.

SERIAL TO PARALLEL CONVERTER-MOD. D

NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD WHICH IS A PART OF THIS DRAWING

7-E8-AM

7-F5-AJ

7-F5-AK
7-F4-AD
7-F5-AL

ZD513 EC686 D-B
ZD515 EC686 D-B
ZD517 TB243
22 INV.
LEV.5 23
24 NOR.

ZD518 EC685 LA-1B
BIT 5
JD428 4-4E-B1 B8
NEUT/POL CONV. B
ZD523 EC689
R5
SEE NOTE 20
ZD525 TB244
C5
JD428 B10
NB 10
BIT 5 OUT

ZD513 EC686 D-C
ZD515 EC686 D-C
25 INV.
LEV.4 26
27 NOR.

7-E8-AN

ZD518 EC685 LA-1C
BIT 4
JD428 4-4D-BJ A8
NEUT/POL CONV. C
ZD523 EC689
R4
SEE NOTE 20
ZD525 TB244
C4
A10 8
BIT 4 OUT

ZD513 EC686 D-E
ZD515 EC686 D-E
28 INV.
LEV.3 29
30 NOR.

ZD515 EC686 CR-E
7-E8-AO

ZD518 EC685 LA-1D
BIT 3
JD428 4-4D-BK E7
NEUT/POL CONV. A
ZD522 EC689
R3
SEE NOTE 20
ZD525 TB244
C3
E9 6
BIT 3 OUT

ZD515 EC686 CR-F

ZD513 EC686 D-F
ZD515 EC686 D-F
31 INV.
LEV.2 32
33 NOR

BIT 2
JD428 4-4C-BL D7

ZD518 EC685 LA-1E
NEUT/POL CONV. B
ZD522 EC689
R2
SEE NOTE 20
ZD525 TB244
C2
D9 4
BIT 2 OUT

ZD513 EC686 D-D
34 INV.
35 START
36 NOR.
SEE NOTE 19

ZD520 EC685 LA-1F
JD428 4-4B-BM B7
SERIAL SAMPLE

ZD518 EC685 LA-1F
ZD520 EC685 LA-2F
ZD305 EC627 DY-A
2 MILLISECONDS
SYNC.
6-D2-AQ

ZD522 EC689
NEUT/POL CONV. C
R9
SEE NOTE 20
ZD525 TB244
C9
B9 18
CHARACTER AVAILABLE

ZD527 TB252
ZD627 TB253
-6V
+6V
ALL CAP. 5 100 V.
ALL CAP. 175 15 V.

JD428 E1 -12V.

ZD526 EC530 FILTER
+6V
-6V
+6V EXTERNAL
-6V EXTERNAL

NB 28
30
ZD307-14
ZD307-24
CKT. GRD. B2
FR. GRD. D2

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD
SHEET 8

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	2-24-70	20613-A

7746WD

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

APPROVALS

D AND R	E OF M
LDM	

E-NUMBER
PROD. NO. 7746 WD
DATE 11-1-69
P.D. FILE NO. 38-A2/65AA
DRAWN DQ | CHKD
ENGD. EJH | APPD.

TELETYPE CORPORATION

7746WD

SEE SHEET 1 FOR NOTES.

CABINET POWER

NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD WHICH IS A PART OF THIS DRAWING

7746WD

REVISIONS

ISSUE	DATE	AUTH. NO.
1	2-24-70	20613-R

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD
SHEET 9

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

APPROVALS

D AND R	E OF M
LDM	

E-NUMBER

PROD. NO. 7746 WD

DATE 11-1-69

P.D. FILE NO. 38-A2/65AA

DRAWN DQ | CHKD

ENGD. EJH | APPD.

TELETYPE
CORPORATION

7746WD

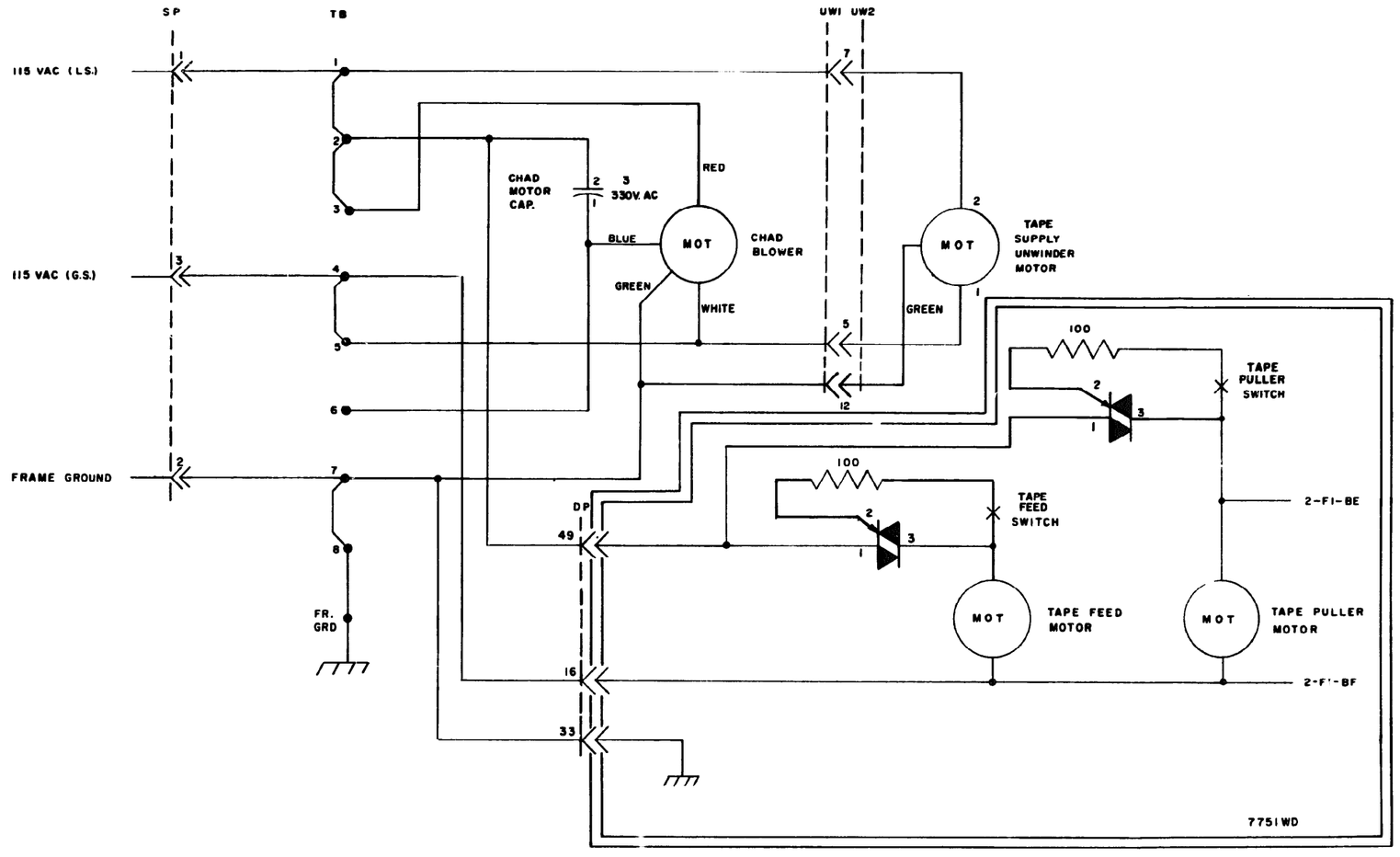
SEE SHEET 1 FOR NOTES

NOTE: REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD WHICH IS A PART OF THIS DRAWING

7746WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	2-24-70	20613-R

REPERFORATOR SHELF POWER.



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD

SHEET 10 WDP

SCHEMATIC
WIRING DIAGRAM
FOR
RECEIVER SET
VS 269

APPROVALS	
D AND R	E OF M
LDM	~

E-NUMBER

PROD. NO. 7746 WD

DATE 11-1-69

P.D. FILE NO. 38-A2/65AA

DRAWN	CHKD.
D Q	
ENGD.	APPD.
E J H	

TELETYPE CORPORATION

7746WD

TC 454.1E-69

SEE SHEET 1 FOR NOTES.

POWER SUPPLY— MODULE C.

NOTE: REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS A PART OF THIS DRAWING

7746WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	2-24-70	20815-R

115 VAC HIGH — A1 — CBC9 (2)(1) (POWER SUP. BL) 5AMP — VR1 1
115 VAC COM. — A3 — (POWER SUP. 0) — 2
FR. GRD — A2 — JC328 — D2 — JC428-A
.5 ∧ 115 VAC
(LEFT) C1 (RIGHT) 6 . 660 VAC — 3.5 ∧ 530 VAC — 18 / 19

CR1 366B — 6 — .1 ∧ 57 VAC — 7 — .1 ∧ 57 VAC — CR2 366B — 8
CR5 IN1183 — 3 — .1 ∧ 6.4 VAC — 4 — .1 ∧ 6.4 VAC — CR6 IN1183 — 5
CR3 366A — 9 — .05 ∧ 13.5 VAC — 10 — .05 ∧ 13.5 VAC — CR4 366A — 11
CR9 366A — 15 — .1 ∧ 10 VAC — 16 — .1 ∧ 10 VAC — CR10 366A — 17
CR8 366A — 14 — .1 ∧ 10 VAC — 13 — .1 ∧ 10 VAC — CR7 366A — 12

C2 12500 75V — R1 150 50W (2)(1)
C4-C7 35000 12V — R3 3 25W (2)(1)
C3 28000 10V — R2 40 10W (2)(1)
R5 75 2W (2)(1)
C10 5200 25V
R4 91 2W (2)(1)
C8 5200 25V
C9 5200 25V
C11 5200 25V

CBC1 CBC2 CBC3 CBC4 CBC5 CBC6 CBC7 CBC13 CBC14 — 2 — 1 — 7/10 AMP
-55V 4-F7-YH | -55V 4-E7-YG | -55V 4-D7-YF | -55V 4-D7-YE | -55V 4-C7-YD | -55V 4-C7-YC | -55V 4-B7-YB | -55V 4-A7-YA | -55V 4-F7-YJ

(POWER SUPPLY W) — CBC15 (2)(1) 25AMP — -5V
(POWER SUPPLY R) — CBC10 (2)(1) 3 1/2 AMP — -12V
(POWER SUPPLY BK-W) (2) CBC11 (1) 2AMP — ZC608 TB254 — XZC 311-A20 -6 — XZC 311-B20

Q6 2N2082
Q4 2N2142
Q3 2N527
R12 300 3W
ZC608 TB254
CR12 IN750A
R13 300 3W
Q5 2N2082
Q2 2N2142
Q1 2N527
R6 400 3W
CR11 IN750A
R7 300 3W

PWR REG BK-W
R17 70 3W
R16 100
R15 390 3W — XZC 313-A16 (PWR. REG. BK) PWR SUP BK — COMMON — XZC 315-16
R11 70 3W
R10 100
R9 390 3W — XZC 318-18 PWR REG R-W +6
(PWR. SUP. CBC12 R-W) (2)(1) 12 1/10 AMP — XZC 319-11

WDP

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD

SHEET 11

SCHEMATIC WIRING DIAGRAM FOR RECEIVER SET VS 269

APPROVALS	
D AND R	E OF M
LRM	

E-NUMBER
PROD. NO. 7746 WD
DATE 11-1-69
P.D. FILE NO. 38-A2/65AA
DRAWN D Q — CHKD.
ENGD. E J H — APPD.

TELETYPE CORPORATION

7746WD

TC 456 (5-69)

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	2-11-70	20668-A

CIRCUIT CARD SPECIFICATION

TEMPERATURE RANGE OPERATION— 40°F TO 150°F STORAGE— -50°F TO 185°F NO AIR FLOW REQUIRED

HUMIDITY RANGE - 0 TO 95 REL HUM

SUPPLY VOLTAGES

VOLTAGE	PIN	MIN.	MAX	MAX CURRENT	MAX RIPPLE	COMMENTS
-6V	3	-5.4V	-6.6V	10 MA	2%	
+6V	11	+5.4	+6.6	20 MA	2%	
-12V	26	-11.2V	-12.8V	40 MA	2%	
GRD.	36	-0.1V	+0.1V	100 MA		

INPUTS

NAME	PIN	V_{T-0}	V_{T+0}	T_{RISE}	T_{FALL}	WIDTH	RELATIONSHIP TO INPUTS	INPUT IMPEDANCE	WHEN NOT USED	REPETITION RATE	COMMENTS
POWER AMPLIFIER	9	-4.0V TO -6.5V	-0.5V TO 0.0V	< 1μs	< 10μs	>10μs	DRPE APPLICATION: GOES HIGH UP TO 10μS BEFORE PIN 13 GOES LOW.	1 K OHMS TO - 6V	WITH INPUT OPEN, OUTPUT REMAINS LOW	4.17 MS MAX.	
GATED OSCILLATOR	13	-0.5V TO +1.0V	-4.0V TO -6.5V	< 1μs	< 10μs	NOTE 2	DRPE APPLICATION: GOES LOW UP TO 10μS AFTER PIN 9 GOES HIGH.	10 K OHMS TO GRD	WITH INPUT OPEN, OUTPUT REMAINS LOW.	4.17 MS MAX.	THE GATED OSCILLATOR INPUT IS NORMALLY SUPPLIED BY THE OUTPUT, PIN 30, OF THE MAGNET DRIVER CARD 303730. THIS OUTPUT IS - 12 VOLTS THROUGH A 3900 OHM RESISTOR, AS A RESULT THE VOLTAGE AT THE INPUT IS AS SHOWN.

OUTPUTS

NAME	PIN	V_{T-0}	V_{T+0}	T_{RISE}	T_{FALL}	WIDTH	RELATIONSHIP TO INPUTS/OUTPUTS	LOADING	WHEN NOT USED	COMMENTS
POWER AMPLIFIER	7	-4.9V TO -6.1V	-0.5V TO 0.0V	< 1μs	<10μs	>10μs	PROVIDES A NON-INVERTED OUTPUT WITH RESPECT TO THE INPUT, PIN 9	22 K OHMS TO GRD.		CAPABLE OF SUPPLYING 80 MA MAX. WHEN Q4 IS CONDUCTING. HELD AT GROUND FOR APPROXIMATELY 40 M.S. ON POWER TURN ON.
GATED OSCILLATOR	5	-0.5V TO +1.0V	-4.0V TO -6.5V	< 1μs	<10μs	NOTE 2	REFER TO NOTE 2	3K OHMS TO - 12V		CAPABLE OF SUPPLYING 100 MA MAX. WHEN Q3 IS CONDUCTING

NOTES

1. DEFINITIONS:
   - V_{T-0} - THE VOLTAGE BEFORE ACTIVATION.
   - V_{T+0} - THE VOLTAGE AFTER ACTIVATION.
   - < - LESS THAN
   - > - GREATER THAN
   - T_{RISE} - TIME REQUIRED FOR THE INSTANTANEOUS AMPLITUDE TO GO FROM 10% TO 90% OF THE MAXIMUM VALUE.
   - T_{FALL} - TIME REQUIRED FOR THE INSTANTANEOUS AMPLITUDE TO GO FROM 90% TO 10% OF THE MAXIMUM VALUE.
   - WIDTH - TIME REQUIRED FOR THE INSTANTANEOUS AMPLITUDE TO GO FROM THE 50% POINT OF THE LEADING EDGE THROUGH THE MAXIMUM VALUE AND RETURN TO THE 50% LEVEL OF THE TRAILING EDGE.
2. INPUT, PIN 13, IS CONNECTED TO OUTPUT, PIN 5, AND THE OSCILLATOR IS ADJUSTED TO GIVE A PULSE WIDTH OF 1.9MS ± 0.05 MS (DRPE APPLICATION)

ISSUE CONTROL

CONTENTS	SHEET NO	ISSUE NO 1	2	3	4	5	6	7	8	9	10	11	12
CIRCUIT CARD SPECIFICATION	1												
CIRCUIT CARD ASSEMBLY	2												

EC906
336906
LOGIC
CARD

APPROVALS		
PROJ. SUPV.	PROJ. DIR.	MFG. REL. COMPL.

ENGR. EJH DSGNR. R M S

DRN. E. Q. DATE 10-28-69

R B D FILE 38 A2/65AA

S-NUMBER

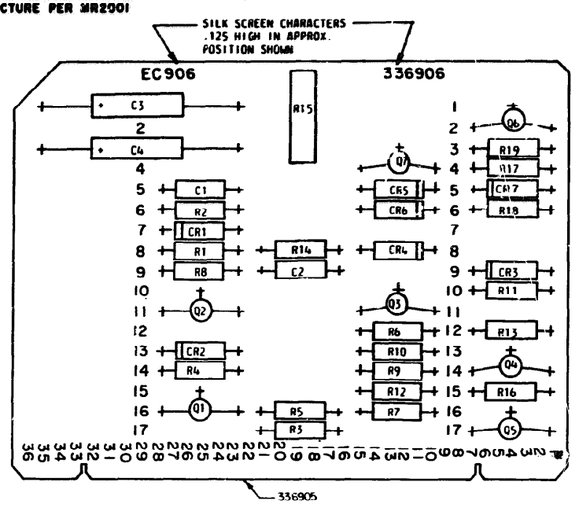
TELETYPE

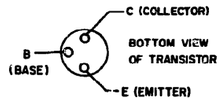
336906 (1)

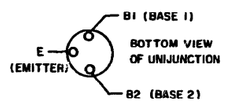
TC 434 (3-69)

REF. DESIG.	PART NO. REQ.	QTY	DESCRIPTION
R1	143669	1	RESISTOR 360 OHMS
R2	118180	2	RESISTOR 10K OHMS
R3			SAME AS R2
R4	137441	3	RESISTOR 1200 OHMS
R5	118153	2	RESISTOR 33K OHMS
R6			SAME AS R4
R7			SAME AS R4
R8	137602	1	RESISTOR 470 OHMS
R9	143667	1	RESISTOR 3900 OHMS
R10	118151	1	RESISTOR 18K OHMS
R11			SAME AS R5
R12	118177	1	RESISTOR 22K OHMS
R13	137440	3	RESISTOR 1K OHMS
R14	118154	1	RESISTOR 47K OHMS
R15	148836	1	POTENTIOMETER 20K OHMS
R16			SAME AS R13
R17			SAME AS R13
R18	118727	1	RESISTOR 47 OHMS
R19	118724	1	RESISTOR 220 OHMS
C1	148833	1	CAPACITOR .1 MFD.
C2	137311	1	CAPACITOR .02 MFD.
C3	146736	2	CAPACITOR 175 MFD. 15VDC
C4			SAME AS C3
CR1	177404	1	DIODE ZENER 1N965A 15V
CR2	177611	5	DIODE SILICON 1N682
CR3			SAME AS CR2
CR4			SAME AS CR2
CR5			SAME AS CR2
CR6			SAME AS CR2
CR7	181667	1	DIODE ZENER 4.7V
Q1	177105	6	TRANSISTOR P22
Q2	177610	1	TRANSISTOR 2N1671
Q3			SAME AS Q1
Q4			SAME AS Q1
Q5			SAME AS Q1
Q6			SAME AS Q1
Q7			SAME AS Q1
	144495	7	TRANSISTOR PADS
	300116	2	TRANSISTOR CAPS Q6,Q7
	336905	1	ETCHED CARD

NOTE: MANUFACTURE PER MR2001







THE POWER AMPLIFIER PROVIDES A NON-INVERTED NOMINAL OUTPUT OF 0 V AND -5.45V AMPLITUDE. IT IS CAPABLE OF SUPPLYING 80 MA WHEN Q4 IS ON.

WITH 0V APPLIED TO PIN 9, Q3 CUTS-OFF. THIS CAUSES Q4 TO CONDUCT, WHICH PLACES THE OUTPUT PIN 7 AT 0V. WITH -6V APPLIED TO PIN 9,Q3 CONDUCTS. THIS HOLDS Q4 CUT-OFF, WHICH CAUSES THE OUTPUT TO BE-5.45V.

THE OUTPUT IS -5.45V. BECAUSE OF THE AMPLITUDE LIMITING RESISTOR R13, WHICH ALLOWS CURRENT TO FLOW THROUGH R7 EVEN THOUGH Q4 IS CUT-OFF.

THE GATED OSCILLATOR PROVIDES SWITCHING OF THE OUTPUT TRANSISTOR (Q5) ACCORDING TO A SET TIME CONSTANT (DETERMINED BY THE SETTING OF R15).

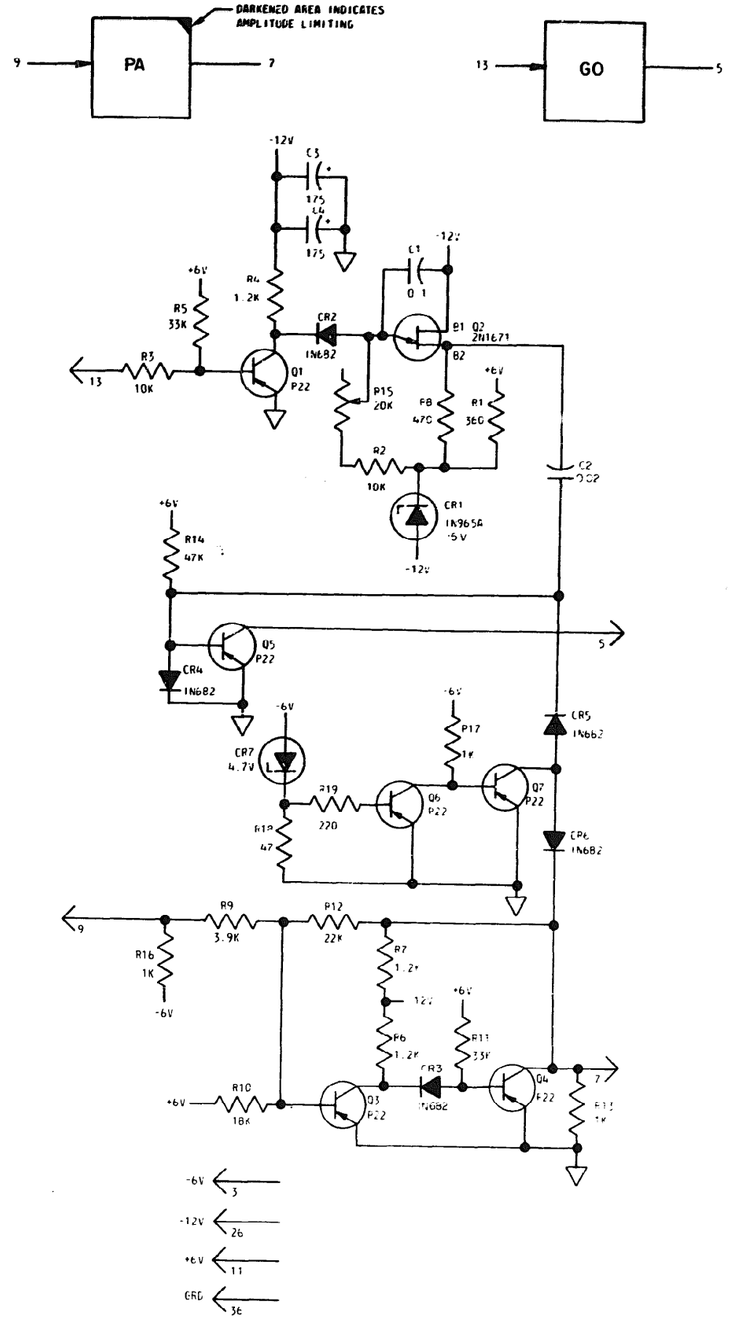
WHEN PIN 13 IS AT 0V.,Q1 IS CUT-OFF. CR2 IS THUS FOFWARD BIASED. THIS HOLDS THE EMITTER OF Q2 AT A CONSTANT -12V.C1 CANNOT CHARGE. THUS, Q5 IS NOT CONDUCTING.

WHEN PIN 13 IS AT -6V.,Q1 IS CONDUCTING,CR2 IS REVERSE BIASED,C1 CAN NOW CHARGE THROUGH R15,R2,R1. WHEN THE VOLTAGE ACROSS C1 REACHES A CERTAIN VALUE, Q2 WILL CONDUCT. A NEGATIVE PULSE APPEARS AT THE BASE OF Q5 CAUSING Q5 TO CONDUCT EVERY TIME THIS PULSE OCCURS. WHEN THIS PULSE IS NO LONGER PRESENT, Q5 CUTS-OFF.

THE EC906 CIRCUIT CARD WAS DESIGNED TO OPERATE IN CONJUNCTION WITH THE EC672 OR EC730 MAGNET DRIVER CIRCUIT CARDS. THE POWER AMPLIFIER SECTION SUPPLIES A CHARACTER SAMPLE PULSE TO PIN 22 OF THE MAGNET DRIVER CARD. THE GATED OSCILLATOR SECTION SUPPLIES A TIMED RESET PULSE TO PIN 30 OF THE MAGNET DRIVER CARD 1.9 MS AFTER RECEIVING A NEGATIVE GOING INDICATION FROM THE SAME PIN (I.E. THE OUTPUT, PIN 5, OF THE GATED OSCILLATOR IS CONNECTED TO ITS OUTPUT,PIN 13) REFER TO SHEET 2 FOR A DETAILED DESCRIPTION OF CIRCUIT CHARACTERISTICS.

Q6 AND Q7 CONSTITUTE A POWER ON RESET CIRCUIT. AS THE 6 VOLT SUPPLY BUILDS UP AFTER POWER TURN ON, Q7 CONDUCTS, ITS COLLECTOR IS AT GROUND POTENTIAL AND THE PA AND GO OUTPUT ARE HELD AT 0V. WHEN THE -6 VOLT SUPPLY REACHES THE BREAKDOWN VOLTAGE OF CR7 (4.7V) Q6 BECOMES CONDUCTIVE AND CUTS OFF Q7. CONTROL OF THE PA AND GO OUTPUT IS RELEASED TO THEIR RESPECTIVE INPUTS.

SIMILAR TO: 303690



REVISIONS		
ISSUE	DATE	AUTH NO.
1	2-11-70	20566-R

CIRCUIT CARD
EC 906
336906
LOGIC
CARD

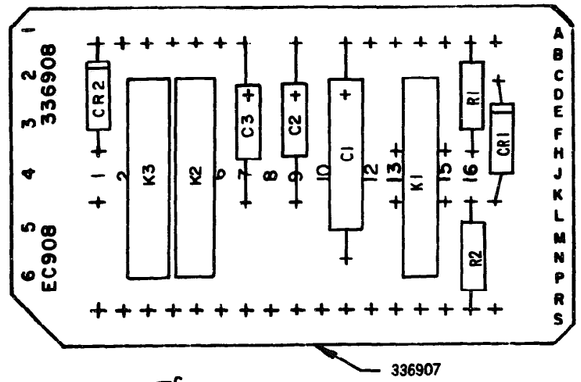
APPROVALS		
PROJ SUPV.	PROJ DIR	MFG. REL. COMPL.
ENGR F. J. H	DSGNR. R. M. S.	
DRN. E. S	DATE	
E-NUMBER		
SD-CD NO		
R&D FILE 38-A2/650A		

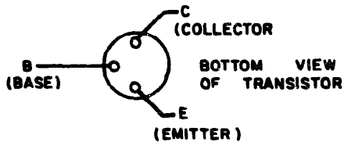
TELETYPE

336906(2 OF 2)

EC908

336908





NOTE:
REFER TO 5016 WD FOR MARKING IMFORMATION.

ALPHA NUMERIC CONVERSION CHART

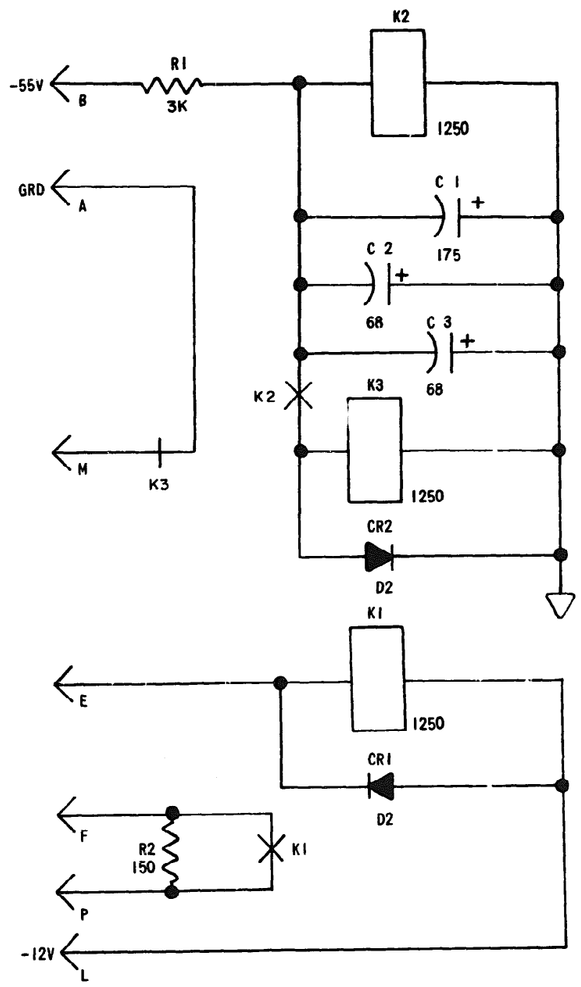
STAMPING ON CIRCUIT BOARD	NUMERICAL CONVERSION FOR 15 PT. CARDS WHEN USED WITH 36 PT. CONNECTOR	
	WHEN INSERTED IN UPPER HALF OF CONNECTOR	WHEN INSERTED IN LOWER HALF OF CONNECTOR
A	1	22
B	2	23
C	3	24
D	4	25
E	5	26
F	6	27
H	7	28
J	8	29
K	9	30
L	10	31
M	11	32
N	12	33
P	13	34
R	14	35
S	15	36

REF. DESIGN.	TELETYPE PART NO.	TOTAL QTY.	NAME AND DESCRIPTION	LOCATING FUNCTION
K1	306843	2	RELAY, REED MAKE 12 VOLT	
K2			SAME AS K1	
K3	306844	1	RELAY, REED BREAK 12 VOLT	
CR1	177108	2	DIODE D2	
CR2			SAME AS CR1	
R1	171588	1	RESISTOR, FIXED 3K OHMS 1/2 WATT.	
R2	310988	1	RESISTOR, FIXED 150 OHMS 1 WATT.	
C1	146736	1	CAPACITOR, 175 MFD 15 VOLT	
C2	306088	2	CAPACITOR, 68 MFD 15 VOLT	
C3			SAME AS C2	
EC	336907	1	ETCHED CIRCUIT BOARD	

TC-473 (6-66)

CIRCUIT BOARD EC908

SYMBOLS



NOTE:
CARD CONNECTIONS ARE REPRESENTED BY LETTERS
TEST POINTS ARE REPRESENTED BY NUMBERS.

336908

REVISIONS

ISSUE	DATE	AUTH. NO.
1	2-11-70	20566-R

APPROVALS

R AND D	E OF M
LDM	

E-NUMBER.

PROD. NO. 336908

DATE 11-1-69

FILE NO. 38-A2/65AA

DRAWN. D.Q. CHKD.

ENGD. E.J.H. APPD.

TELETYPE CORPORATION

336908