BISHOP GRA
REORDER NO.

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	ADD R718, D709, VARIOUS COLOR CODES, REVISE PARTS DRAWN IN DETAIL, ADD TIN NUMBERS	1-14-80	
	B	ADD MODULATOR LINE ON P701-10	1-17-80	
	C	CHG [illegible]	[illegible]	
	D	MOVE R717	5-30-79	
	E	ALL 4A FAST [illegible] AT F701	12-10-79	
	F	REVISE T101 DATA	[illegible]	
	G	CHG VAL C709 - CHG PART # IC701	1-7-80	

P701
- AC TO MODULATOR [VIA INTERFACE PCB]
- +AC LINE MONITOR
- -AC LINE MONITOR
- B+24V
- B+24V
- -8V
- -8V
- KEY
- GND
- GND

P702
- AC COMMON
- AC HOT TO SWITCH
- AC HOT FROM CKT BKR
- KEY
- SWITCHED AC HOT

P703
- AC HOT
- KEY
- AC COMMON
- AC HOT
- AC COMMON

CB101, S101, P702-3, P702-4, P702-1, P702-5, BLACK, WHITE, R717 8125-130 FOR 117 VAC, P703-10 BLK, P703-3 BLK, J703-10, J703-3, C101 GRN-WHT, T101 8162-298, D701 IN4005, R702 76.8K 1%, R701 121K 1%, R703 150K 1%, R704 150K 1%, P701-8, P701-9

P701-10, D702 MDA 2501 8216-310, P704-7 ORANGE, 6 RED, 4 YEL, 1 YEL, F701 4A FAST BLO, R705 2.7K 1W, C702 3600uf 40V., R718 .22 2W, D706 2N4441, P705-5 YELLOW, S102 THERMAL SWITCH, P705-1, BLK, Q101 2N6059, P705-3, BRN & RED, P705-4 ORANGE, C704 470pf, R710 .27 2W, R709 .33 2W, R706 270, IC701 MC3423L, C703 .1uf, R707 2.43K 1%, R708 23.7K 1%, P701-6 +24V @ 3.3 AMP, P701-7, C708 1000uf 50V, R711 15.8K 1%, R712 1K, R713 6.49K 1%, C706 150pf, C707 470pf, R714 4.7K, IC702 MC1723G, C705 1000uf 50V., R716 220, P701-4, P701-5

P704
- 33 VAC IN
- KEY
- 18 VAC IN
- 18 VAC IN

P705
- THERMAL SWITCH
- BASE
- EMITTER
- KEY
- COLLECTOR

D707, C709 1000uf 25V, R715 2.2K 1/2W, IC703 MC7908CK, C710 1uf 50V, P701-4 -8V, P701-5, D708 MR-754

G A C, D706

CB101, S101, P703 J703, T101 8162-293, 9 BLK, 10, WHT 6 7, P704-4 YEL/WHT, P704-3 YEL, VIOLET P704-2, GRN P704-1, TO D707, 4 5 BLK/WHT, (50 HZ) BRN 2 3, 1, WHT/BROWN (60 HZ), R717 8125-230 FOR 220 VAC, D701 IN4005, R702 39.2K 1%, R701 121K 1%, R703 150K 1%, R704 150K 1%, -, +

FOR 240V 60HZ OPERATION CONNECT WHT BRN WIRE TO J703-3, CONNECT BRN WIRE TO J703-1

FOR 240V 50HZ OPERATION CONNECT BROWN WIRE TO J703-3, CONNECT WHT BRN WIRE TO J703-1

IC703 MC7908CK (CASE INPUT, GND)

Q701 2N6059 (E, E, C)

IC702 MC1723G (C2, C1)

IC701 MC3423L (1, 2, 3, 4, 5, 6, 7, 8)

ALL TOP VIEWS

——·——·—— DESIGNATES COMPONENTS OFF OF PC BOARD

LAST NUMBERS :
- C710
- CB701
- D708
- IC703
- R718

NUMBERS NOT USED
- C701
- D703
- D704
- D705

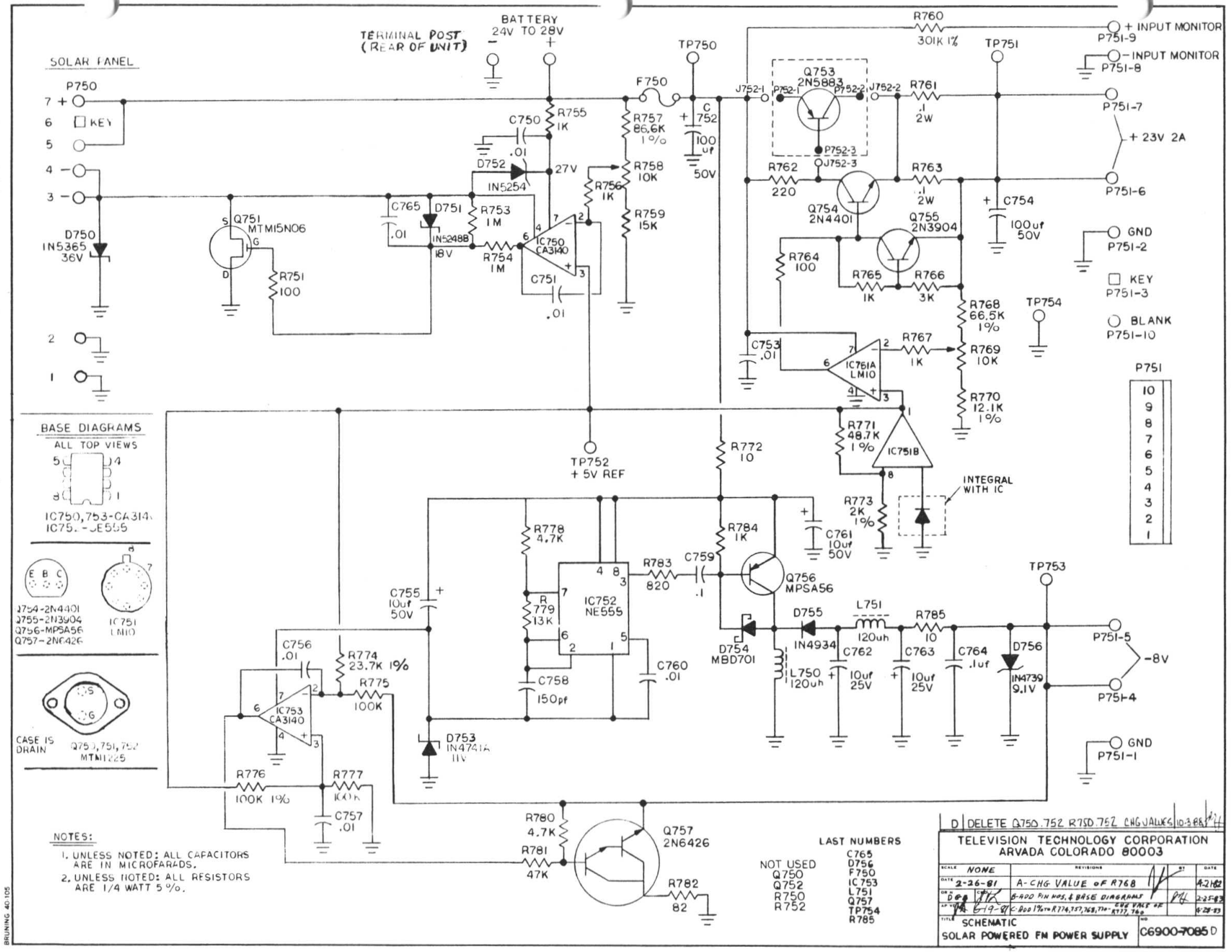
TELEVISION TECHNOLOGY CORPORATION
ARVADA COLORADO 80003

SCALE: S	APPROVED BY:	DRAWN BY FM-DB
DATE: 12-12-79	CHECKED [illegible] 3-4-80	REVISED

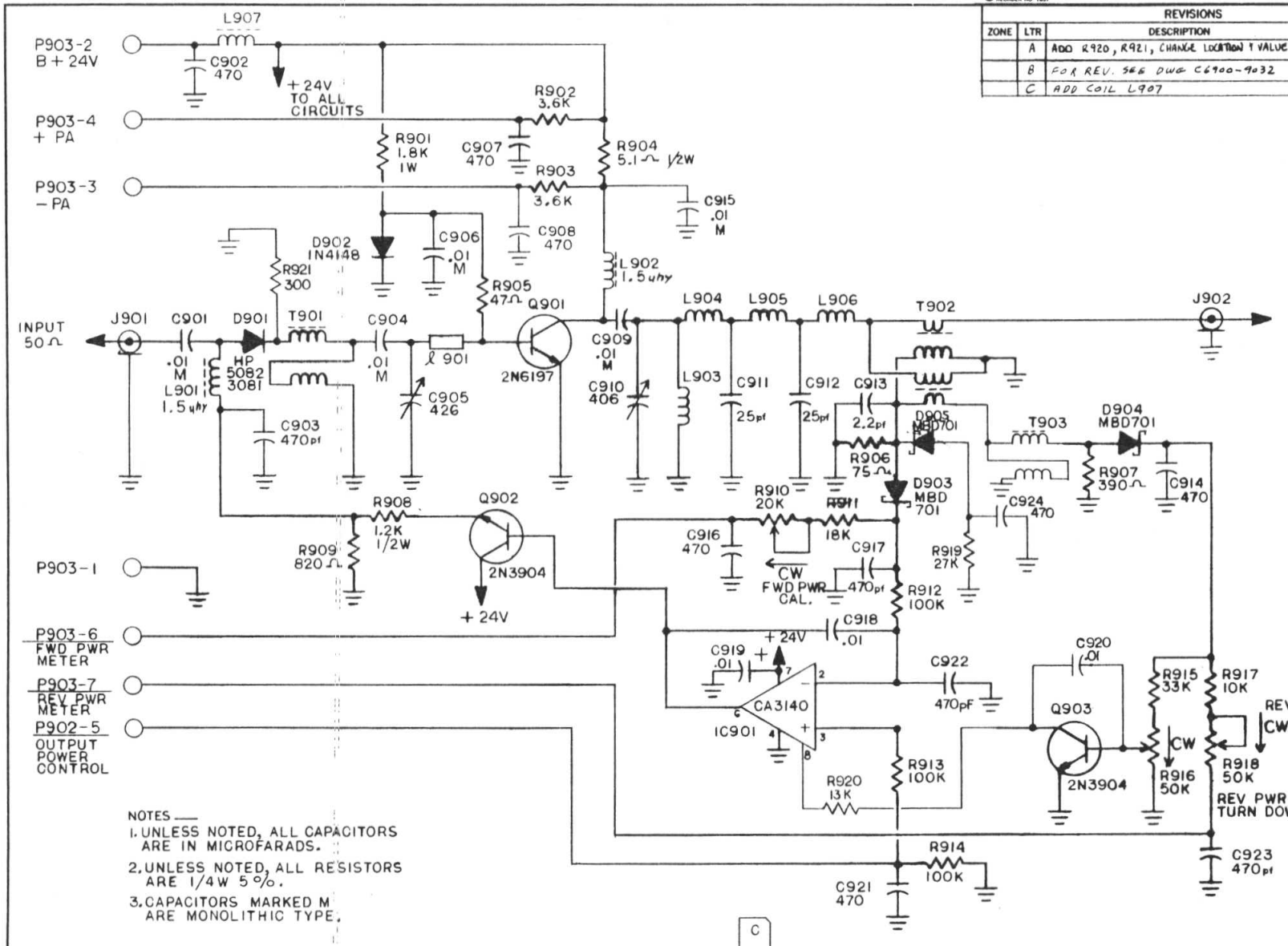
XL10FM
XL1FM
POWER SUPPLY SCHEMATIC

DRAWING NUMBER C6900-7035G

17222 PRINTED ON NO. 1000H CLEARPRINT

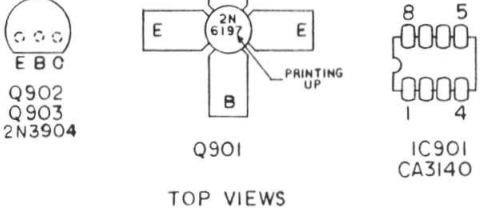

SOLAR PANEL
P750
7 +
6 KEY
5
4 −
3 −
D750 IN5365 36V
2
1
TERMINAL POST (REAR OF UNIT)
BATTERY 24V TO 28V
TP750
F750
C752 100uf 50V
R755 1K
C750 .01
D752 IN5254 27V
R757 86.6K 1%
R758 10K
R756 1K
R759 15K
Q751 MTMI5N06
R751 100
C765 .01
D751 IN5248B 18V
R753 1M
R754 1M
IC750 CA3140
C751 .01
R760 301K 1%
+ INPUT MONITOR P751-9
− INPUT MONITOR P751-8
TP751
Q753 2N5883
J752-1
P752-1
P752-2
J752-2
R761 .1 2W
P751-7
+ 23V 2A
P752-3
J752-3
R762 220
R763 .1 2W
P751-6
Q754 2N4401
Q755 2N3904
C754 100uf 50V
R764 100
R765 1K
R766 3K
GND P751-2
KEY P751-3
BLANK P751-10
TP754
R768 66.5K 1%
R769 10K
R770 12.1K 1%
C753 .01
IC751A LM10
R767 1K
P751
10 9 8 7 6 5 4 3 2 1
R771 48.7K 1%
IC751B
INTEGRAL WITH IC
R773 2K 1%
C761 10uf 50V
TP752 + 5V REF
R772 10
R778 4.7K
R784 1K
R783 820
C759 .1
Q756 MPSA56
TP753
C755 10uf 50V
R779 13K
IC752 NE555
C758 150pf
C760 .01
D754 MBD701
D755 IN4934
L751 120uh
L750 120uh
C762 10uf 25V
R785 10
C763 10uf 25V
C764 .1uf
D756 IN4739 9.1V
P751-5
−8V
P751-4
GND P751-1
C756 .01
R774 23.7K 1%
R775 100K
IC753 CA3140
D753 IN4741A 11V
R776 100K 1%
R777 100K
C757 .01
R780 4.7K
R781 47K
Q757 2N6426
R782 82
BASE DIAGRAMS
ALL TOP VIEWS
IC750,753-CA3140
IC75.-JE555
J754-2N4401
J755-2N3904
Q756-MPSA56
Q757-2N6426
IC751 LM10
CASE IS DRAIN
Q750,751,752 MTMI225
NOTES:
1. UNLESS NOTED: ALL CAPACITORS ARE IN MICROFARADS.
2. UNLESS NOTED: ALL RESISTORS ARE 1/4 WATT 5%.
LAST NUMBERS
NOT USED
Q750
Q752
R750
R752
C765
D756
F750
IC753
L751
Q757
TP754
R785
D DELETE Q750,752 R750,752 CHG VALUES 10-3-83 PH
TELEVISION TECHNOLOGY CORPORATION
ARVADA COLORADO 80003
SCALE NONE
DATE 2-26-81
A-CHG VALUE OF R768
4-21-82
B-ADD PIN NOS. & BASE DIAGRAMS
2-25-83
C-ADD 1% TO R774,757,768,770-CHG VALUE OF R777, 780
4-28-83
TITLE SCHEMATIC
SOLAR POWERED FM POWER SUPPLY
NO C6900-7085 D
BRUNING 40-105

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	ADD R920, R921, CHANGE LOCATION & VALUE OF C920	7-15-80	
	B	FOR REV. SEE DWG C6900-9032	1-27-81	
	C	ADD COIL L907	8-2-83	



NOTES —

1. UNLESS NOTED, ALL CAPACITORS ARE IN MICROFARADS.
2. UNLESS NOTED, ALL RESISTORS ARE 1/4W 5%.
3. CAPACITORS MARKED M ARE MONOLITHIC TYPE.



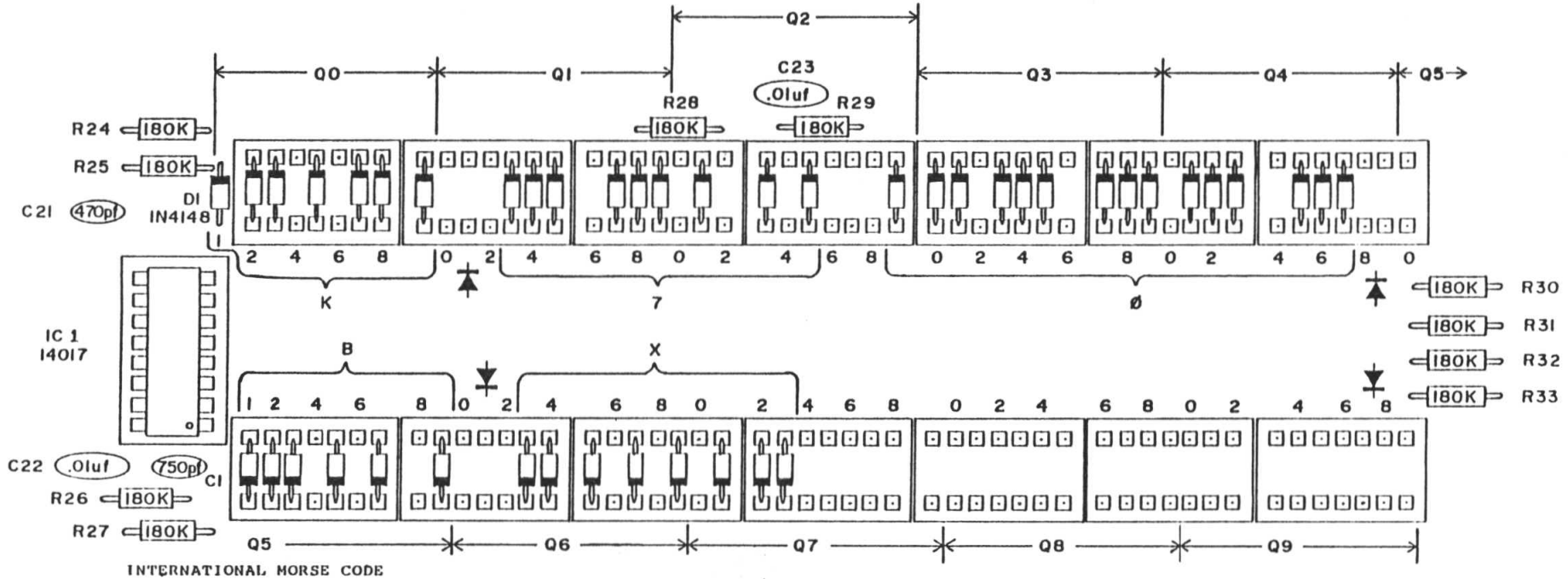
TOP VIEWS

LAST NUMBERS

C924
D905
IC901
J902
L907
ℓ 901
P903
Q903
R921
T903

P901, 902
NOT USED

TELEVISION TECHNOLOGY CORPORATION ARVADA COLORADO 80003		
SCALE:	APPROVED BY: 3-31-80	DRAWN BY DGB
DATE: 3-5-80		REVISED
SCHEMATIC, 1 WATT, XLIFM AMPLIFIER		
		DRAWING NUMBER C6900-9035C



INTERNATIONAL MORSE CODE

ALPHABET

A	● —	N	— ●
B	— ● ● ●	O	— — —
C	— ● — ●	P	● — — ●
D	— ● ●	Q	— — ● —
E	●	R	● — ●
F	● ● — ●	S	● ● ●
G	— — ●	T	—
H	● ● ● ●	U	● ● —
I	● ●	V	● ● ● —
J	● — — —	W	● — —
K	— ● —	X	— ● ● —
L	● — ● ●	Y	— ● — —
M	— —	Z	— — ● ●

NUMERALS

1	● — — — —
2	● ● — — —
3	● ● ● — —
4	● ● ● ● —
5	● ● ● ● ●
6	— ● ● ● ●
7	— — ● ● ●
8	— — — ● ●
9	— — — — ●
Ø	— — — — —

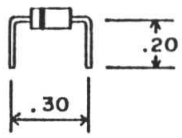
Ø IS READ AS "ZERO"

O IS READ AS "OH" (O)

● = DIT = DOT = 1 DIODE.

— = DA = DASH = 3 DIODES IN LINE.

IN4148 DIODE



BEND AND TRIM PROGRAMMING DIODE LEADS AS SHOWN

DIODE ARRANGEMENT SHOWN IS FOR CODE SETTING - K7ØBX

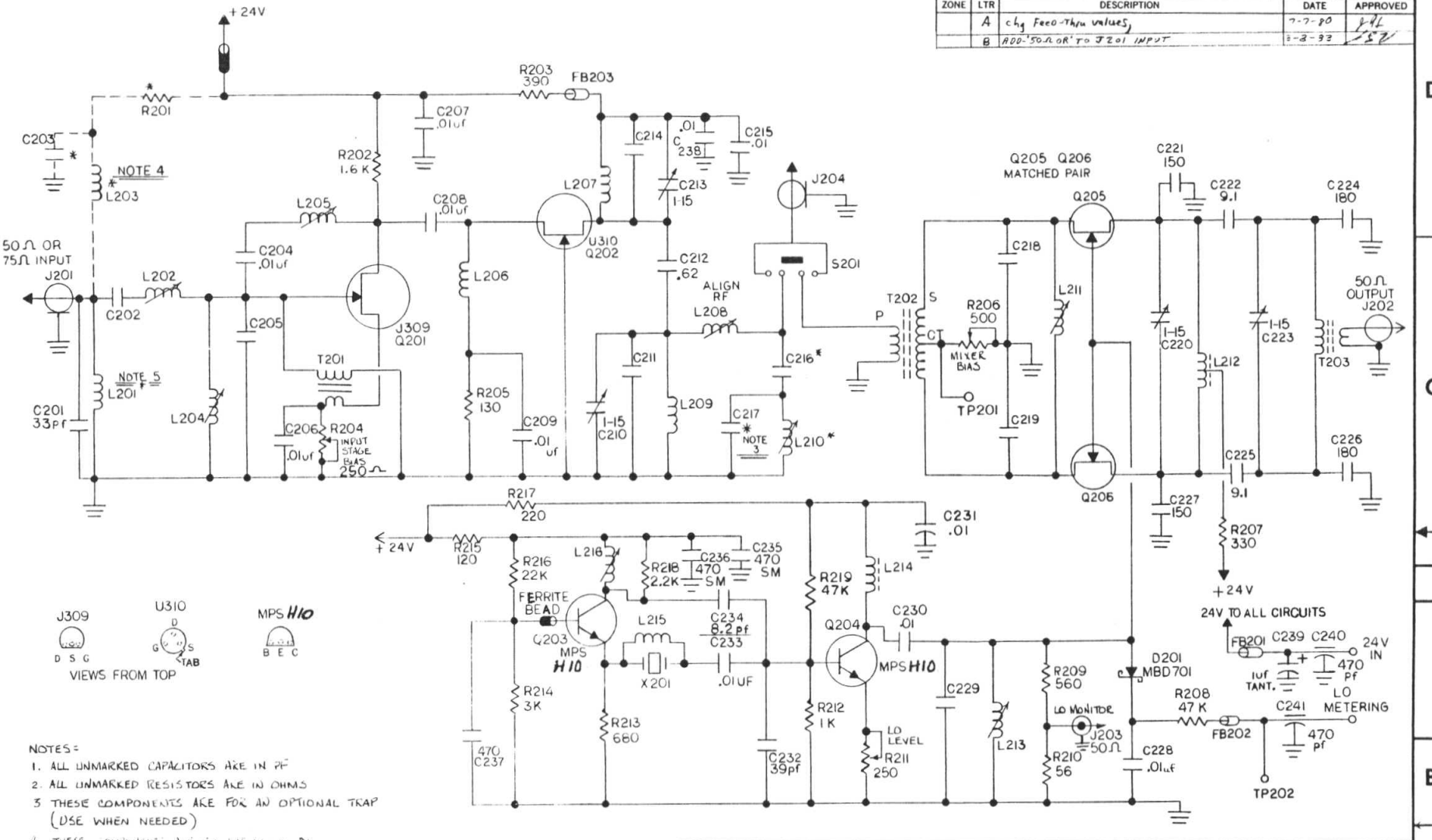
TELEVISION TECHNOLOGY CORPORATION
ARVADA, COLORADO 80003

SCALE: 2:1	APPROVED BY:	DRAWN BY: J.S.H.
DATE: 2-15-78		REVISED

CODE KEYER PROGRAMMING DIAGRAM

DRAWING NUMBER
81370-8012

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	A	chg Feed-Thru values	7-7-80	
	B	ADD "50Ω OR" TO J201 INPUT	8-3-83	



NOTES:

1. ALL UNMARKED CAPACITORS ARE IN PF
2. ALL UNMARKED RESISTORS ARE IN OHMS
3. THESE COMPONENTS ARE FOR AN OPTIONAL TRAP (USE WHEN NEEDED)
4. THESE COMPONENTS ARE [illegible] POWER ON THE ANTENNA LINE (TYPICAL [illegible])
5. NOT USED WHEN DIPLEXING DC POWER ON THE ANTENNA LINE.
6. CAPACITORS WITH NO VALUE VARY WITH FREQUENCY

LAST USED REF. DES.
C - 241
D - 201
J - 203
L - 216
Q - 206
R - 219
S - 201
T - 203
X - 201

QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± DECIMALS .XX ± .XXX ± ANGLES ±

MATERIAL

FINISH

NEXT ASSY | USED ON

APPLICATION

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS	DATE
DRAWN MAJOR	11-6-79
CHECKED [illegible]	3-24-80

TELEVISION TECHNOLOGY CORP.
ARVADA COLO., 80003

INPUT CONVERTER
XL1FM, XL10FM
SCHEMATIC

SIZE	CODE IDENT NO.	DRAWING NO.
C		C6900-2035 B

SCALE [illegible] SHEET 1 OF 1