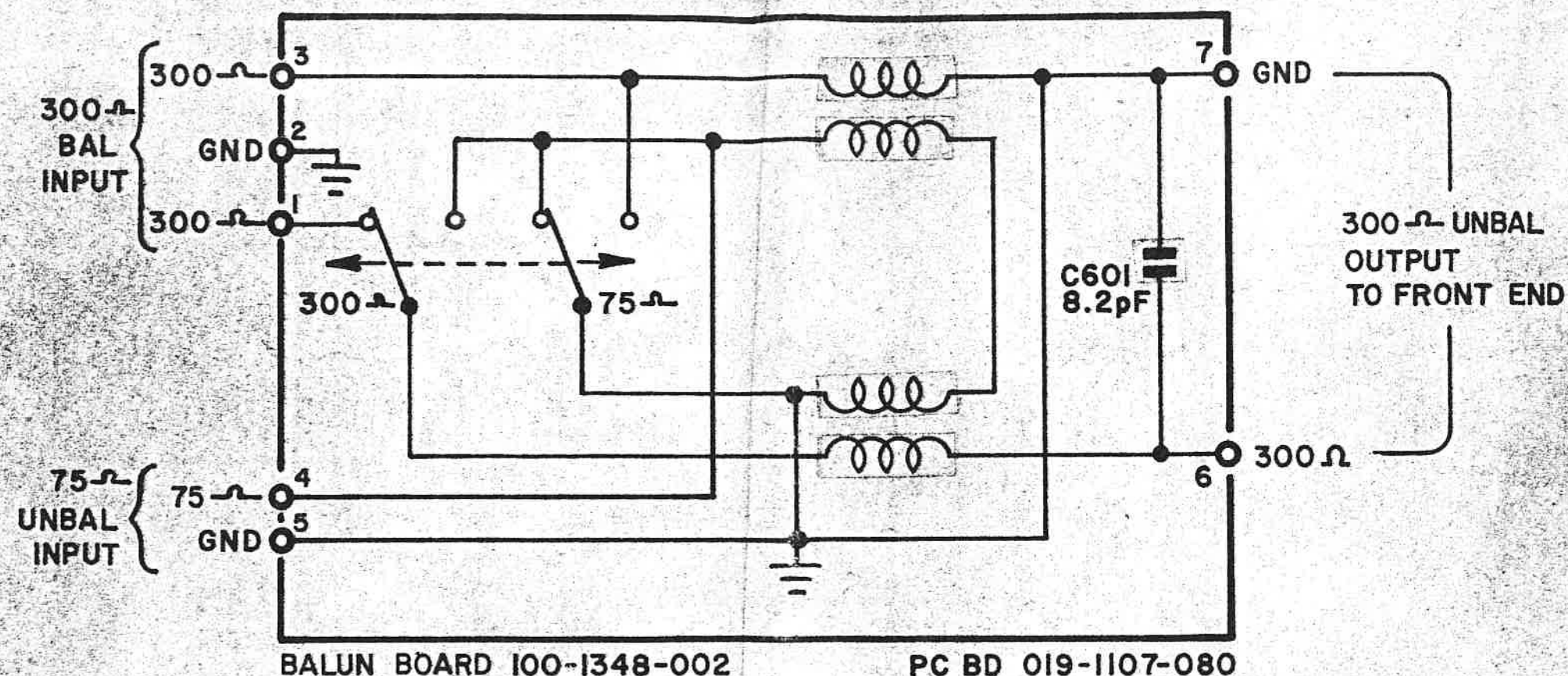
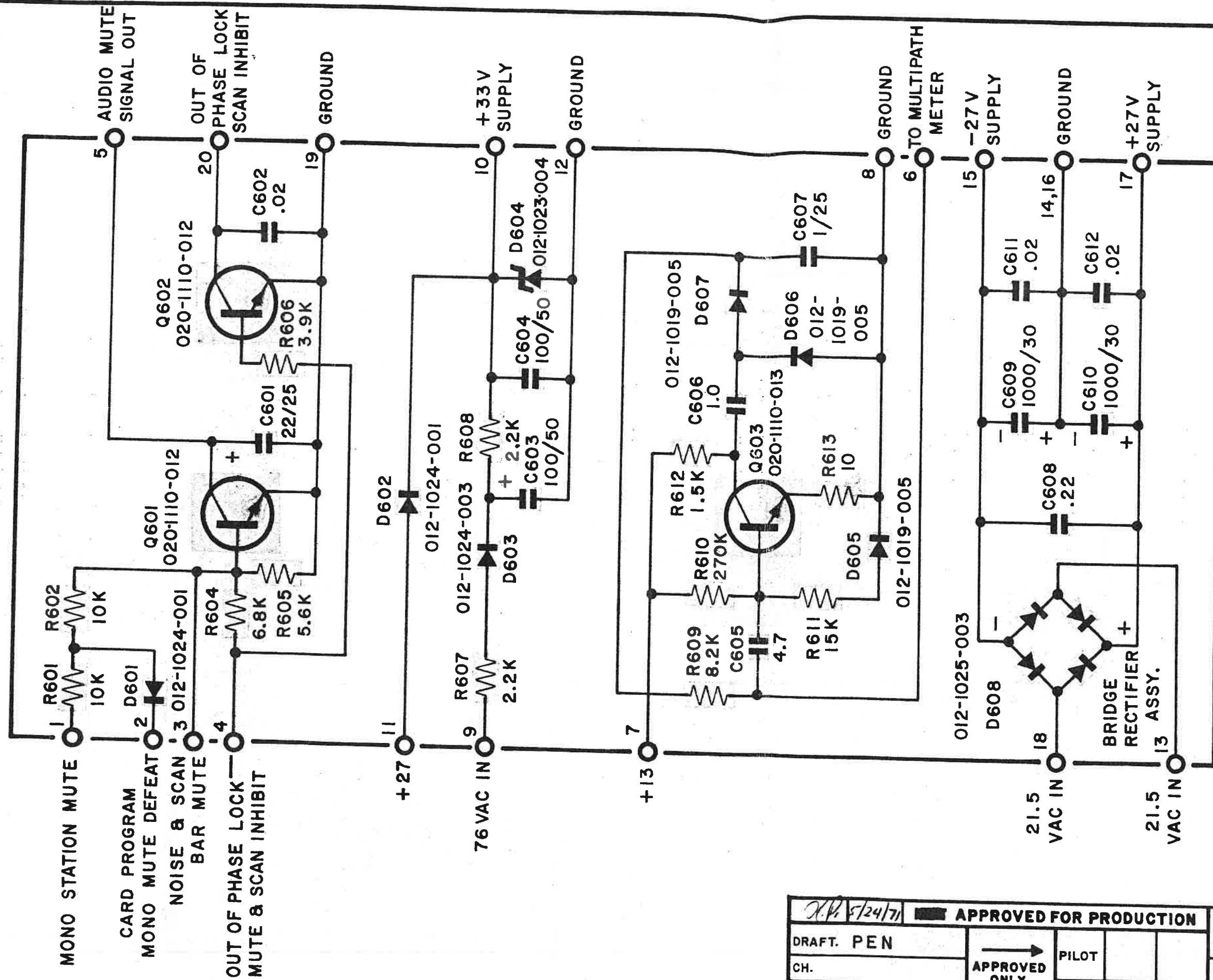


REVISIONS			
SYM	DESCRIPTION	DATE	APPR.
I	ECO 3530	11-25-70	LH/L



 H.H. SCOTT, INC. MAYNARD, MASS.		
BALUN BOARD		
SIZE A	DWG. NO. 100-1348-002	REV. I
ENG. DR	SHEET 1 OF 1	DATE 5/8/69



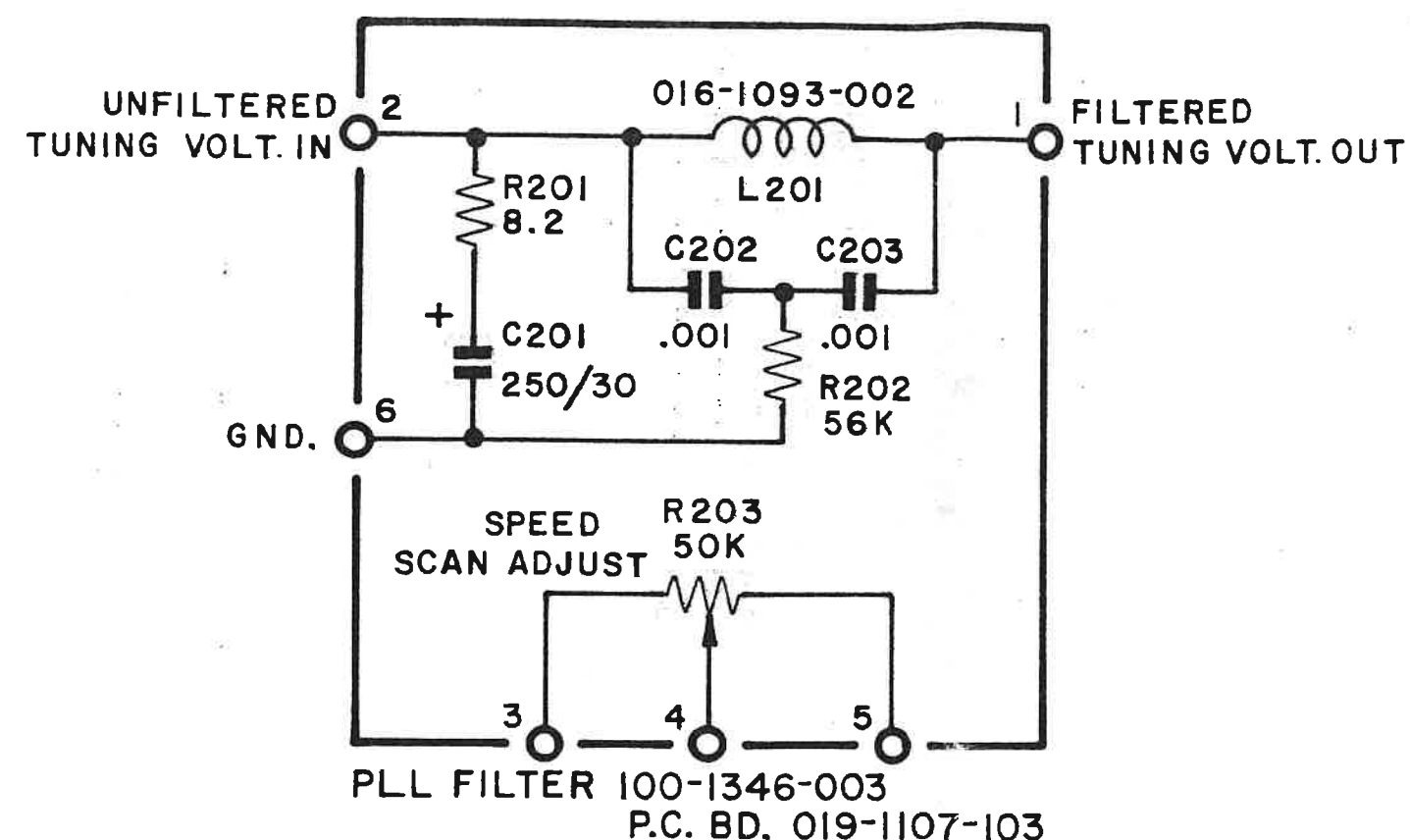
MULTIPATH-MUTING-SUPPLY
100-1346-004

PC BOARD 019-1107-105

REVISIONS			
SYM	DESCRIPTION	DATE	APPR.
1	ECO 3659 R	6-1-71	<i>ALP</i>

<i>ALP</i> 5/24/71 DRAFT. PEN CH. SHEET 1 OF 1		APPROVED FOR PRODUCTION APPROVED ONLY FOR PILOT DATE 5-4-71		H.H. SCOTT, INC. MAYNARD, MASS. MULTIPATH-MUTING-SUPPLY SIZE B DWG. NO. 100-1346-004 REV. 1	
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REVISIONS			
SYM	DESCRIPTION	DATE	APPR.



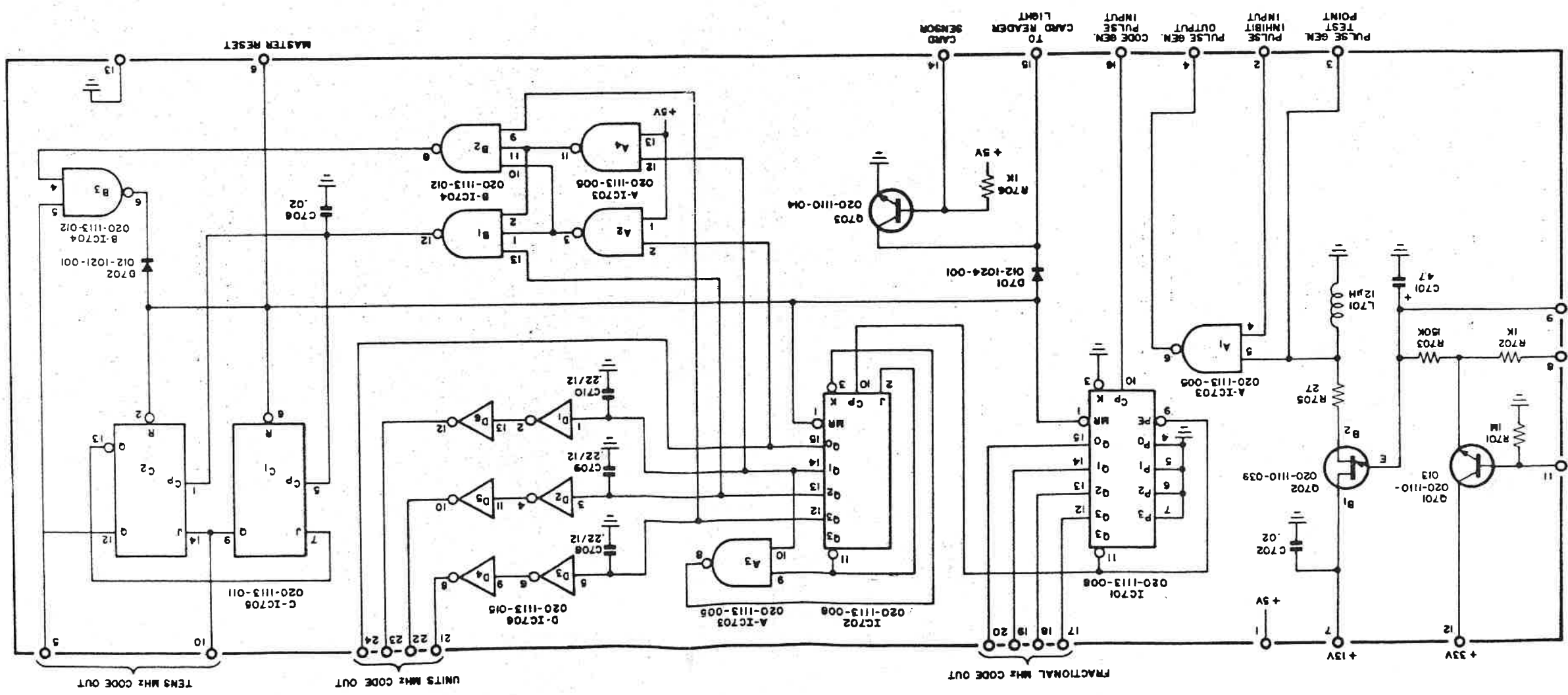
NOTES:

1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MFD'S.
2. HIGHEST SERIES NUMBERS ARE; L201, C203, R203,

21 5/21/71		APPROVED FOR PRODUCTION		 H.H. SCOTT, INC. MAYNARD, MASS.	
DRAFT. PEN	CH.	APPROVED ONLY FOR	PILOT		
SHEET 1 OF 1		DATE 5-19-71		SIZE B	DWG. NO. 100-1346-003 REV. 0

21447		APPROVED FOR PRODUCTION		H H		H H S O L P N G	
DRAFT OR		APPROVED ONLY		VOLTAGE TYPED MP MACH E CORR		100=1343-010	
CH		FID		100=1343-010		100=1343-010	
SHEET 1 OF 1		100=1343-010		100=1343-010		100=1343-010	

SEQUENTIAL CODE GENERATOR 100-1356-004



NOTES
 1. UNLESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS 10% 1/4 WATT CAPACITANCE IN MFD'S
 2. BYPASS CAPACITORS NOT SHOWN IN DIAGRAM +5V - GND, 22pF C703, C704, C705 & C707
 3. IC703, IC704 & IC706 VCC PIN 14, GND PIN 7
 4. IC705 VCC PIN 4, GND PIN 11
 5. IC701 & IC702 VCC PIN 16, GND PIN 8
 6. HIGHEST SERIES NUMBERS ARE: IC706, R706, C710, L701, D702 & Q703
 7. IC706 H.S. P/N 020-1113-015 MAY PHYSICALLY APPEAR ON A SEPARATE BOARD IN UNITS WITH
 SERIAL NUMBER 654276 OR LOWER

P.C. BOARD 019-1107-092

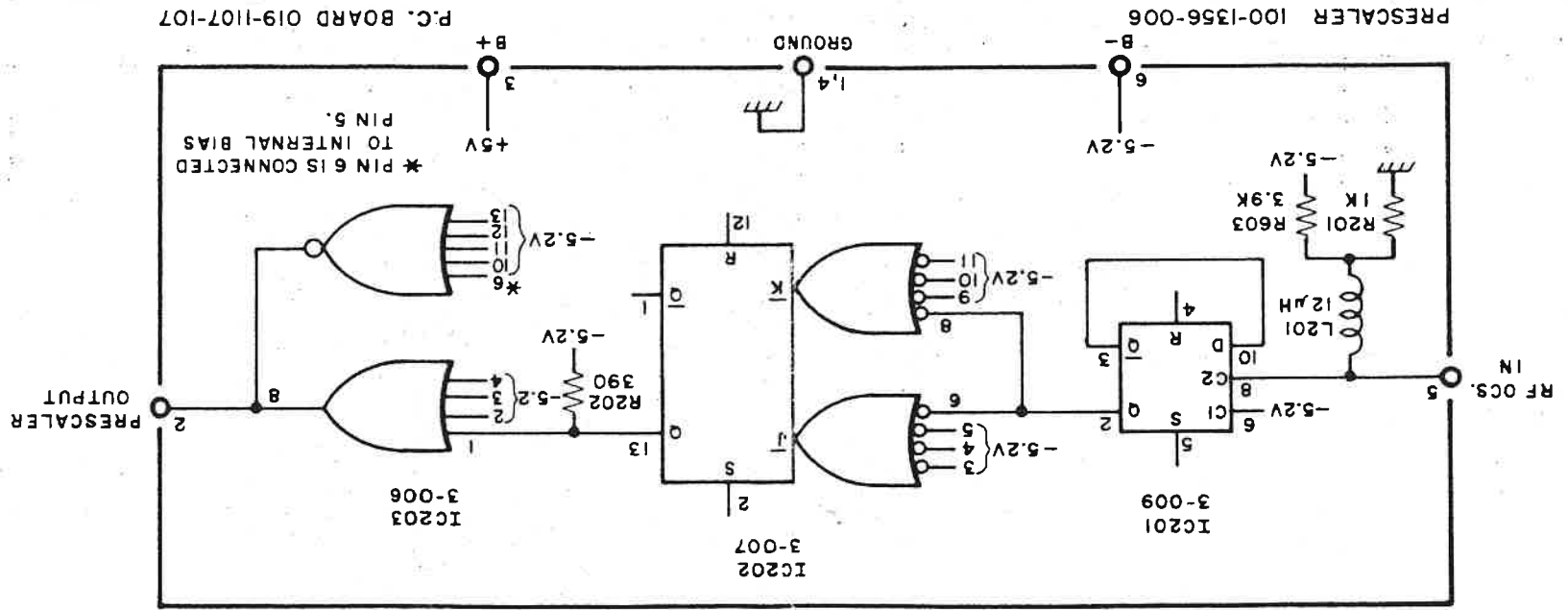


1. UNLESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS ± 10% ; WATT; CAPACITANCE IN MFD'S.

2. ALL IC & Q PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS

4. IC202, IC204 : VCC PIN 14, GND, PIN 7.
IC203 : VCC PIN 11, GND, PIN 4.
5. COMPONENTS DELETED : C206, C209.

REVISIONS		
REV.	DATE	DESCRIPTION

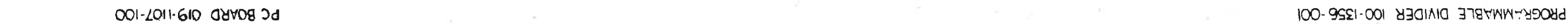


- NOTES:
1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$, 1/4 WATT, CAPACITANCE IN MFD'S.
 2. BYPASS CAPACITORS NOT SHOWN IN CIRCUIT DIAGRAM $+5V$ — GND, $-0.02MFD$, C202; $-5.2V$ — GND, $-0.001MFD$, C201.
 3. IC201; VEE PIN 7, GND, PIN 14.
 4. IC202; VEE PIN 7, GND, PIN 14.
 5. IC203; VEE PIN 7, VCC PIN 9, GND PIN 14.
 6. ALL IC PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS OF THEIR TEN DIGIT PART NUMBER. THE PREFIX IS 020-111.
 7. HIGHEST SERIES NUMBERS ARE; IC203, L201, C202, R203.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		TOLERANCES ON DIMENSIONS $\pm 1\%$ DECIMALS $\pm .005$ ANGLES $\pm 1^\circ$	
DESIGN: PEN	DATE: 4/2/71	APPROVED FOR PRODUCTION	FOR SAMPLE
CH. ENG.	PROJ. ENG.	QUOTE	SCALE: 1 OF 1
MATERIAL: 100-1356-006		SHEET: 0	
REV. 0		DATE: 5-20-71	

H.H. SCOTT, INC.
MAYNARD, MASS.

PRESALER CIRCUIT



NOTES

LESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS $\pm 10\%$; WATT; CAPACITANCE IN MFD'S

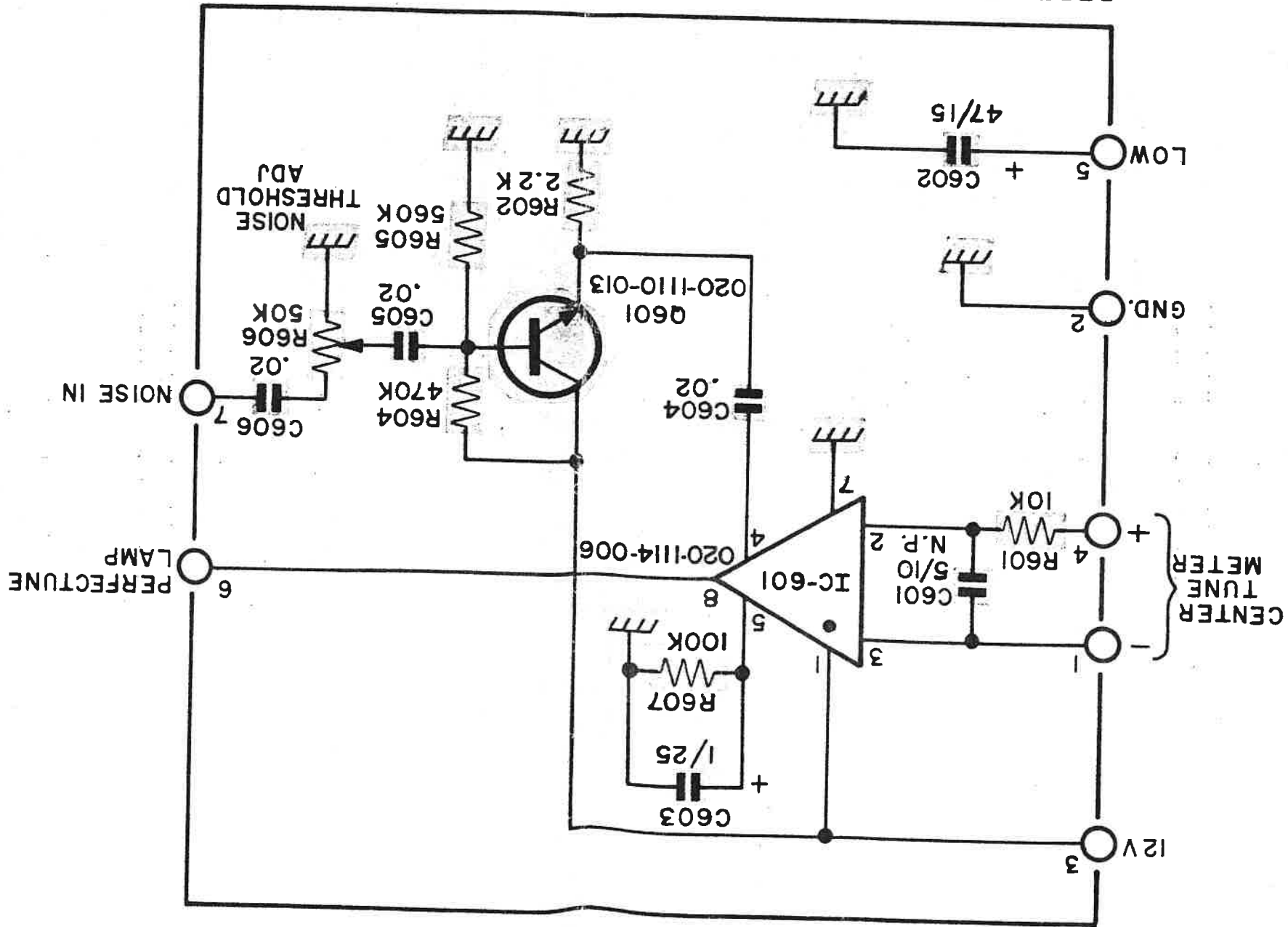
555 CAPACITORS NOT SHOWN IN CIRCUIT DIAGRAM - +5V GND, 0.02MFD, C201 1HDD C205 201, IC202, IC206, IC207, IC208; VCC PIN 16, GND, PIN 8.

203, IC204, IC205, IC209, VCC, PIN1A, GND, PIN7

7. IC PART NUMBERS ARE SHOWN BY THE LAST FOL

TEST SERIES NUMBERS ARE: TC 209; R210; C205.

REVISIONS			
SYM	DESCRIPTION	DATE	APPR.

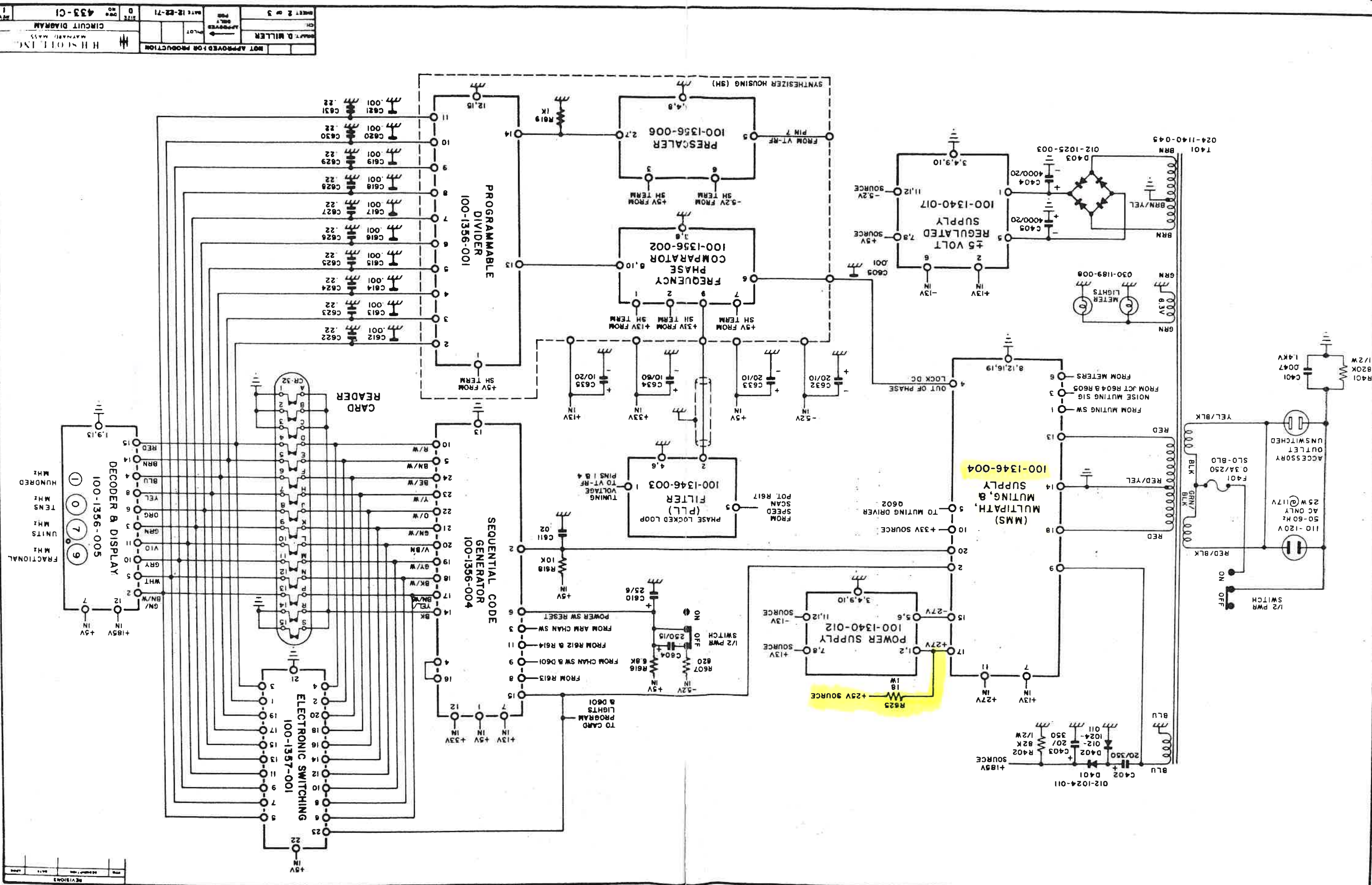


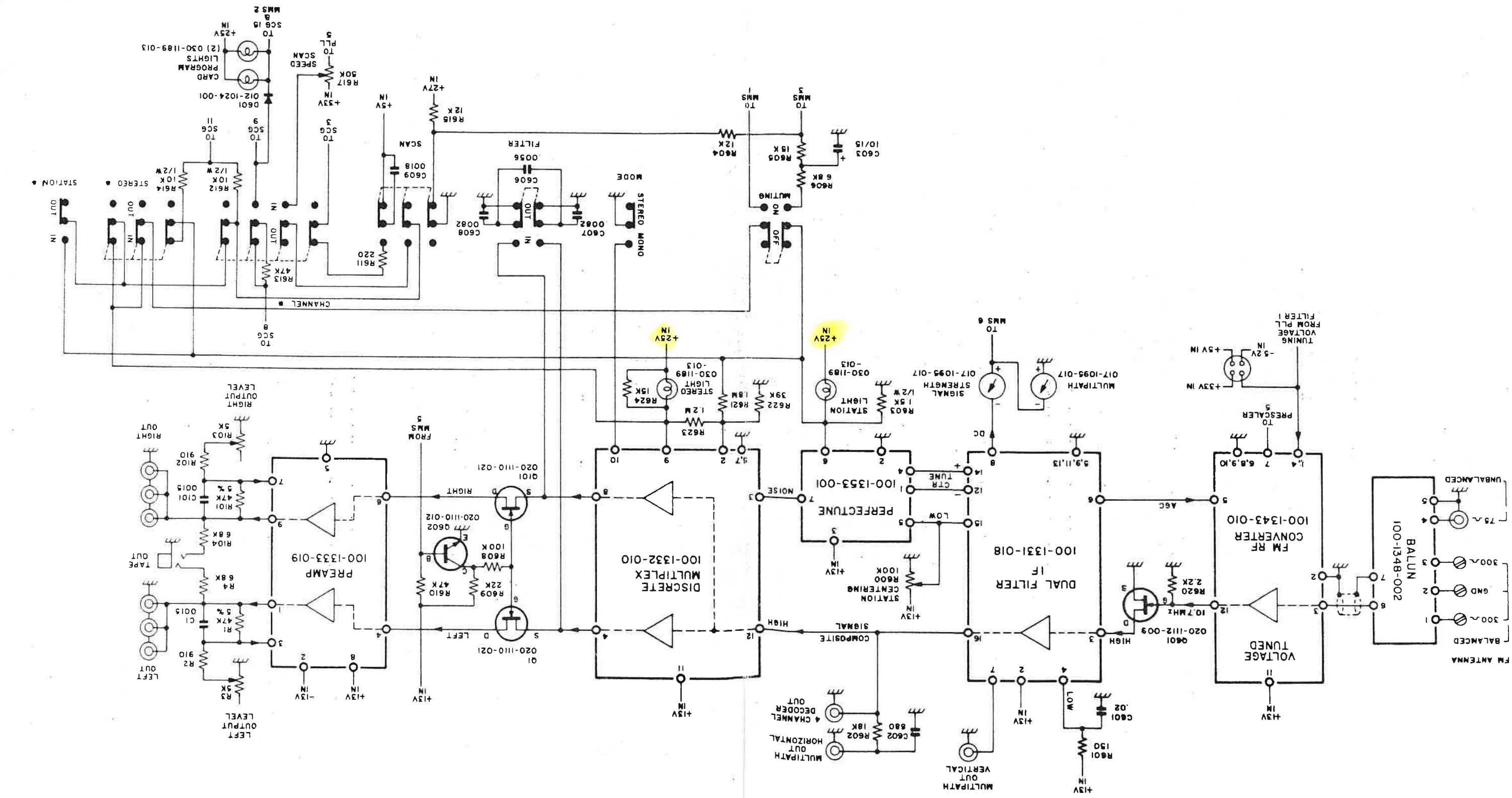
PERFECTUNE 100-1353-001

PC BD 019-1107-093

- NOTES:
1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT,
 2. HIGHEST SERIES NUMBERS ARE: IC601, Q601, R607, C606.
 3. COMPONENTS DELETED ARE: R603,

DRAFT. PEN		CH. ω		SHEET 1 OF 1	
APPROVED FOR ONLY		DATE 4-8-70		SIZE B	
PILOT		DWG. NO. 100-1353-001		REV. 0	
H.H. SCOTT, INC. MAYNARD, MASS.					
PERFECTUNE CIRCUIT					



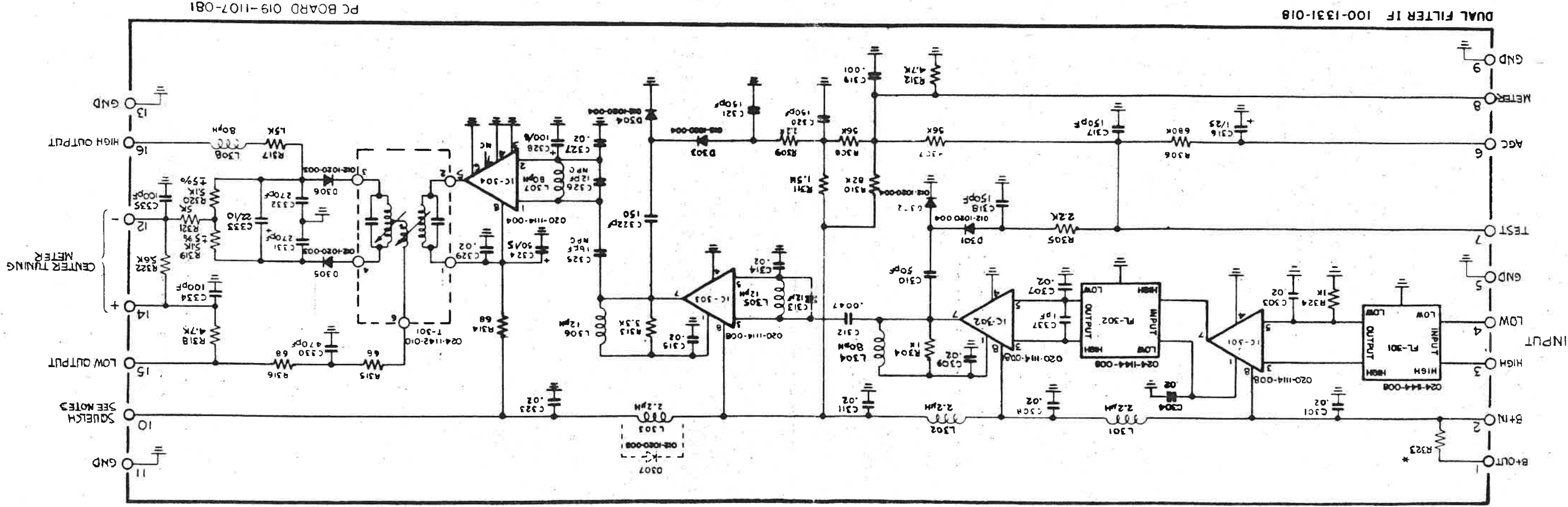


REVISIONS		
DATE	DESCRIPTION	BY
4/27/71	ECO 3659	1

CIRCUIT OF 024-114-001 TO BE PRINTED IN THIS AREA WHEN FILTER CRYSTAL CIRCUIT APPEARS IN THE SERVICE MANUAL SEE 024-114-001

CIRCUIT OF 020-114-004 TO BE PRINTED IN
THIS AREA WHEN IF CIRCUIT APPEARS IN
THE SERVICE MANUAL SEE 020-114-004

CIRCUIT OF 020-114-008 TO BE PRINTED IN
THIS AREA WHEN IF CIRCUIT APPEARS IN
THE SERVICE MANUAL SEE 020-114-008



NOTES

1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MICROFARADS
2. HIGHEST SERIES: M324, C337, D307, L308, 1-C-304, T-301, FL-302.
3. USE D307 IN PLACE OF L303 FOR SQUELCH, PIN 10
- * 4. USE RESISTOR R323 WHEN SUPPLYING FRONT END FROM B+.
5. COMPONENTS DELETED: R308, R309, R303, C302, C303, C304, C336.

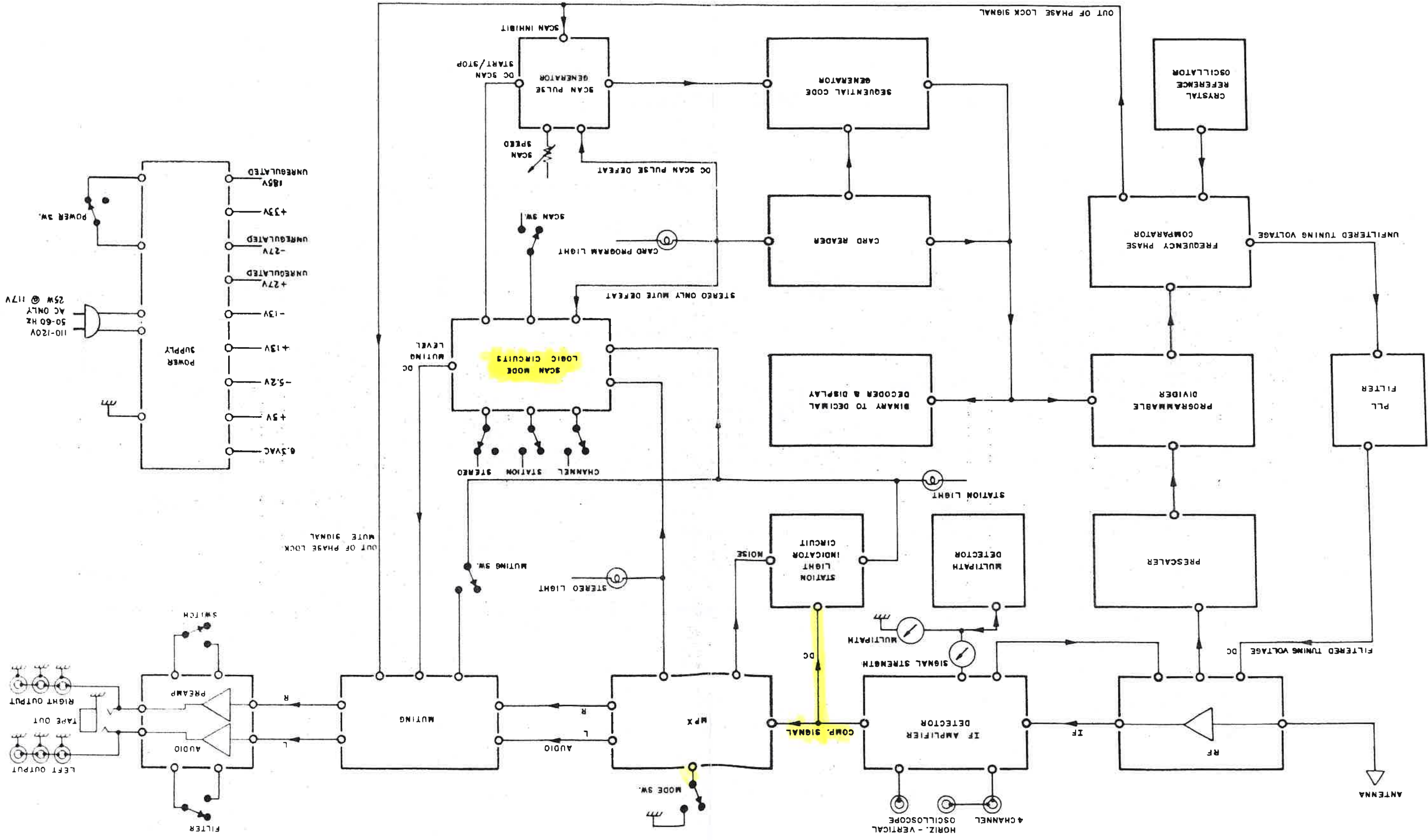
CIRCUIT OF 6-POLE FILTER TO BE PRINTED IN THIS AREA WHEN 1" CIRCUIT APPLIES
IN THE SERVICE MANUAL SEE 004-144-000.

* 4. USE RESISTOR R323 WHEN SUPPLYING FRONT END FROM B+.

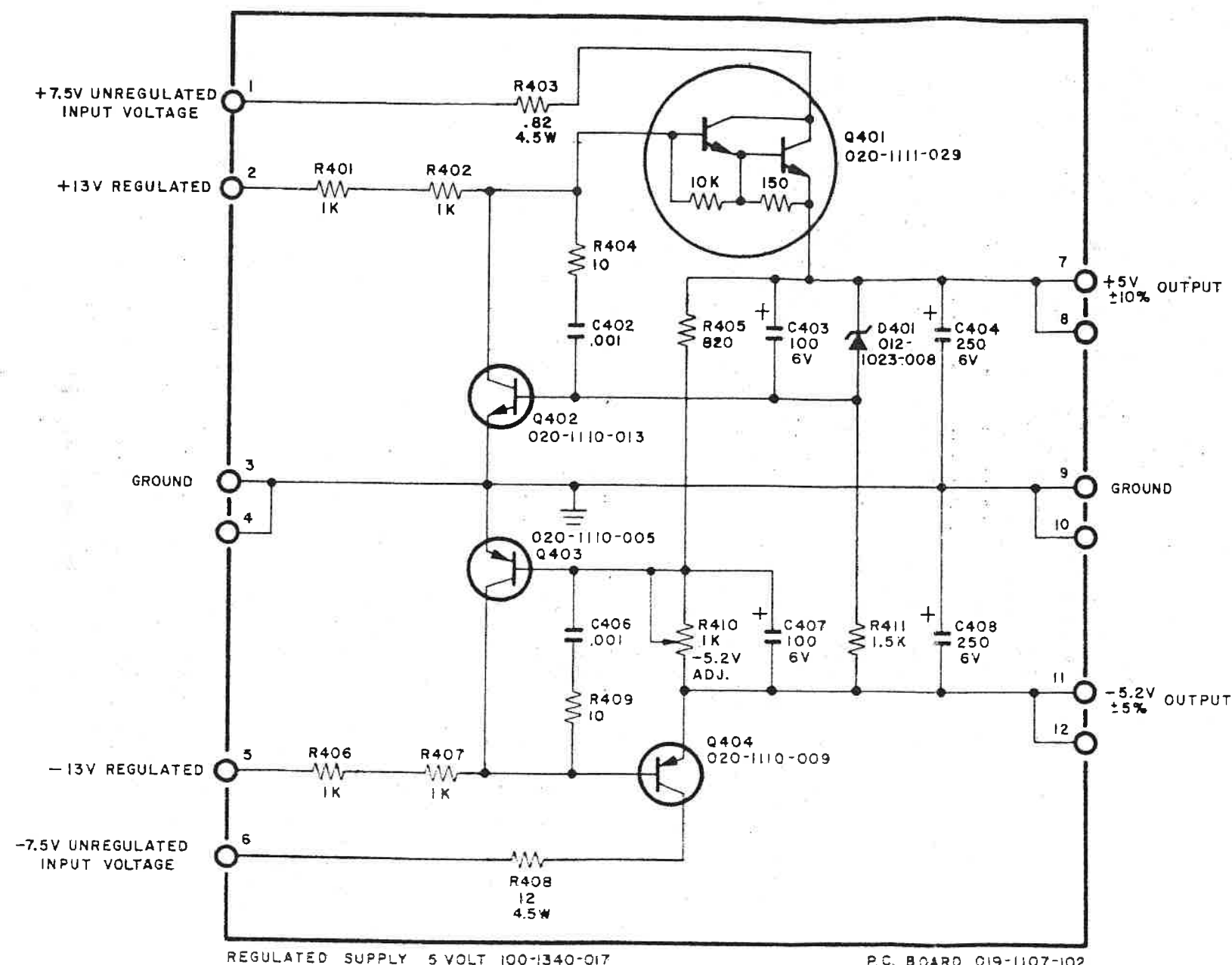
REF ID: A66666
REF ID: A66666

H.H. SCOTT INC
DUAL FILTER IF

REV 100-1331-018



SYM	DESCRIPTION	DATE	BY
1	ECO 3659 R	6-1-71	
2	ECO 3726 R	7-3-71	



REGULATED SUPPLY 5 VOLT 100-1340-017

P.C. BOARD 019-1107-102

NOTES:

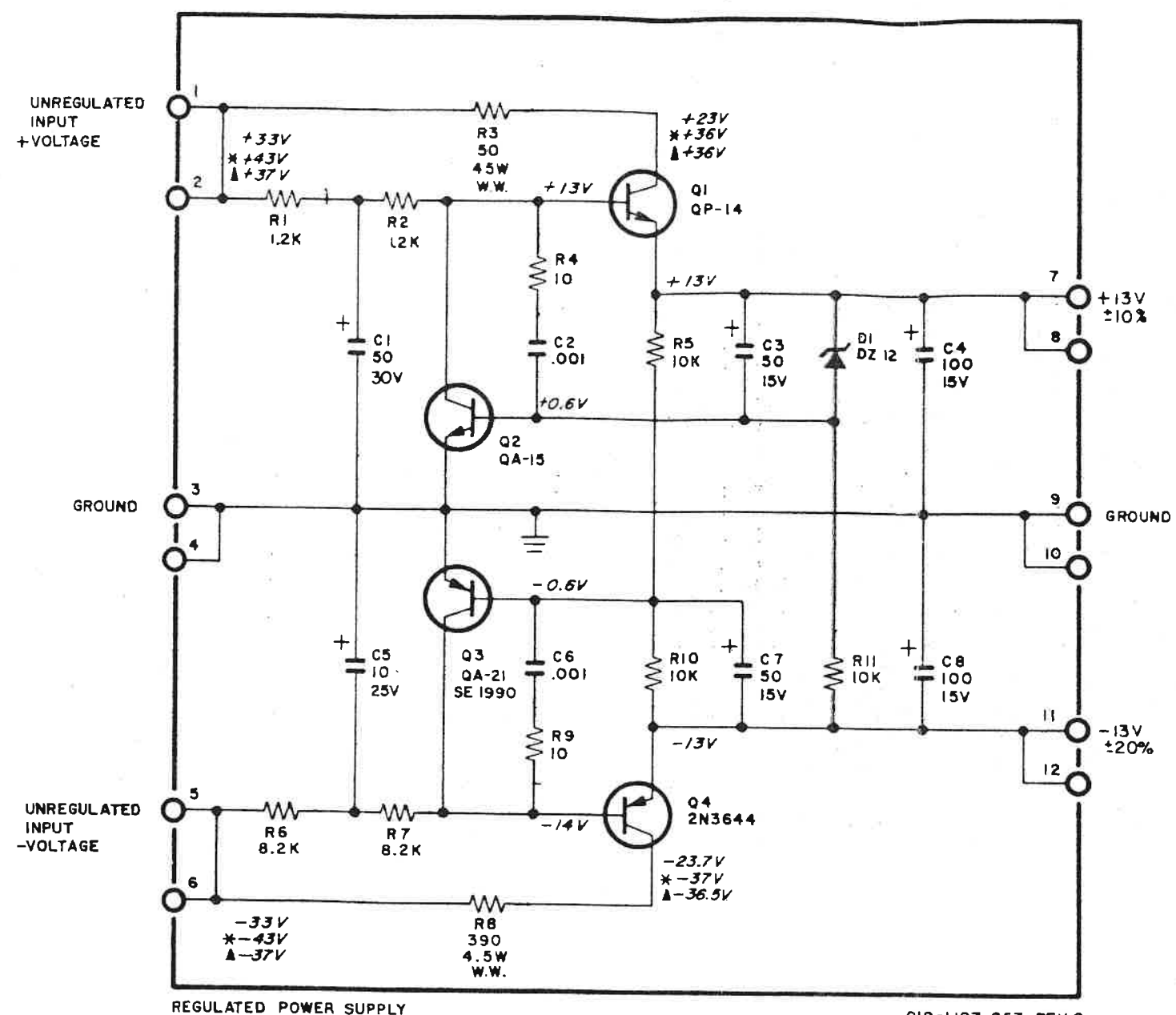
1. UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE IN OHMS $\pm 10\%$, CAPACITANCE IN MFD'S, RESISTORS 1/4 WATT, AND VOLTS ARE DC $\pm 5\%$ MEASURED WITH 20K Ω /VOLT V.O.M.

2. HIGHEST SERIES NUMBERS R411, C408, D401, Q404

3. COMPONENTS DELETED ARE, C401, C405

H.H. SCOTT, INC. MAYNARD, MASS.			
REGULATED SUPPLY 5VOLT			
SIZE C	DWG. NO.	100-1340-017	2
DATE 5-13-71			

REV	DESCRIPTION
1	ECO 30401-5077
2	ECO 3386
3	ECO 3639



REGULATED POWER SUPPLY

019-1107-057 REV.0

NOTES:

1. UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE IN OHMS $\pm 10\%$, CAPACITANCE IN MFD'S, RESISTORS 1/4 WATT, AND VOLTS ARE D.C. $\pm 15\%$ MEASURED WITH 20K Ω /VOLT V.O.M.
2. HIGHEST SERIES NUMBERS: R11, C8, D1, Q4
3. UNREGULATED INPUT VOLTAGE RANGE $\pm(25V$ TO $44V)$
4. * INDICATES THE ONLY VOLTAGES WHICH CHANGE WITH 43V INPUT, (387).
5. Δ INDICATES THE ONLY VOLTAGES WHICH CHANGE WITH 37V INPUT, (499).

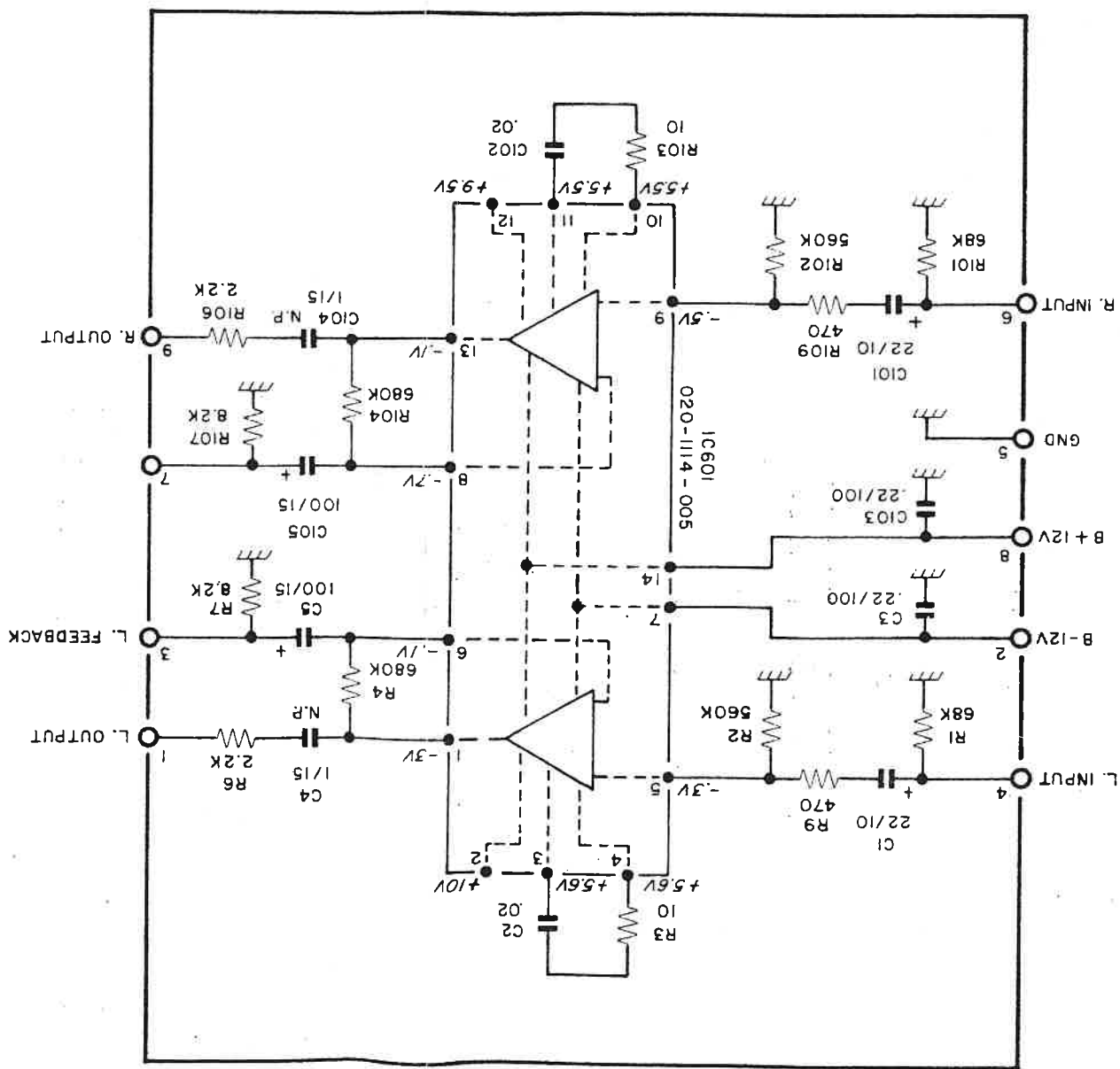
H.H. SCOTT, INC. MAYNARD, MASS.			
REGULATED POWER SUPPLY			
SIZE C	DWG. NO.	100-1340-012	REV 3
SHEET 1 OF 1		DATE 10-29-68	

UNLESS OTHERWISE SPECIFIED		TOLERANCES ON		DECIMALS = .001		ANGLES = 1/2°	
DRAFT		CPD		APPROVED FOR		MATERIAL	
CH		ENG		PROD		FINISH	
DWT		MLOT		SAMPLE		QUOTE	
C		DWC		NO		SCALE: 1/8"	
REV		4		100-1333-019		SHEET 1 OF 1	
DATE		9-27-72		H.H. SCOTT, INC.		I.C. PREAMP	
MAYNARD, MASS.							

- NOTES:
1. UNLESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS, $\pm 10\%$, $1/4W$
 2. HIGHEST SERIES NUMBERS ARE: R9, R10, C5, C10, IC601
 3. VOLTAGES SHOWN DO NOT APPLY TO 2506-07
 4. COMPONENTS DELETED: R5, R10, R8, R10
 5. REFER TO COMPONENT LABEL 019-1107-066/A
 6. UNLESS OTHERWISE SPECIFIED, ALL VOLTAGES DC $\pm 15\%$
- MEASURED WITH 20K Ω/V VOM

NOTE: REFER TO COMPONENT LABEL 019-1107-066/A

I.C. PREAMP
PC BOARD 019-1107-066 REV. 8



CIRCUIT OF 020-1114-005 TO BE PRINTED
IN THIS AREA WHEN INTEGRATED CIRCUIT
APPEARS IN THE SERVICE MANUAL
SEE 020-1114-005

REV	DATE	DESCRIPTION
1	9-27-72	1.0
2	10-1-72	2.0
3	10-1-72	3.0
4	10-1-72	4.0



1 UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$, 1/4 WATT, CAPACITANCE IN MFD'S.

2. ALL D.C. VOLTAGES (±15%) MEASURED WITH RESPECT TO CHASSIS GROUND, USING A 1 MΩ AT 117VAC LINE AND FM MONO SIGNAL FEED INTO THE DEMODULATOR. AUTO-STEREO SWITCH OPEN

*FM STEREO SIGNAL FED TO DEMODULATOR

□ AUTO-STEREO SWITCH OPEN.

-1144-007 FILTER (FL503) MAY BE SUBSTITUTED FOR THE TWO 024-1144-003 FILTERS (FL-501, FL-502)

ACH AS FOLLOWS: LAT ARE 06-1053-... D IS 012-1021-... Q IS 020-1110-...

ST SERIES NUMBERS ARE: N847, C534, D810, D810, L508, T801, FL502, PEC-501
C517, N501, N502, N503, N504, N506, Q507, Q508 - /010, C589, C834
MENT NUMBERS DELETED/009: C509.

TO BE SOLDERED TO BOTTOM SIDE OF BOARD BETWEEN PIN 3 AND PIN 4 OF T501 AS INDICATED.
TO BE SOLDERED TO BOTTOM SIDE OF BOARD ACROSS R520 AS INDICATED.

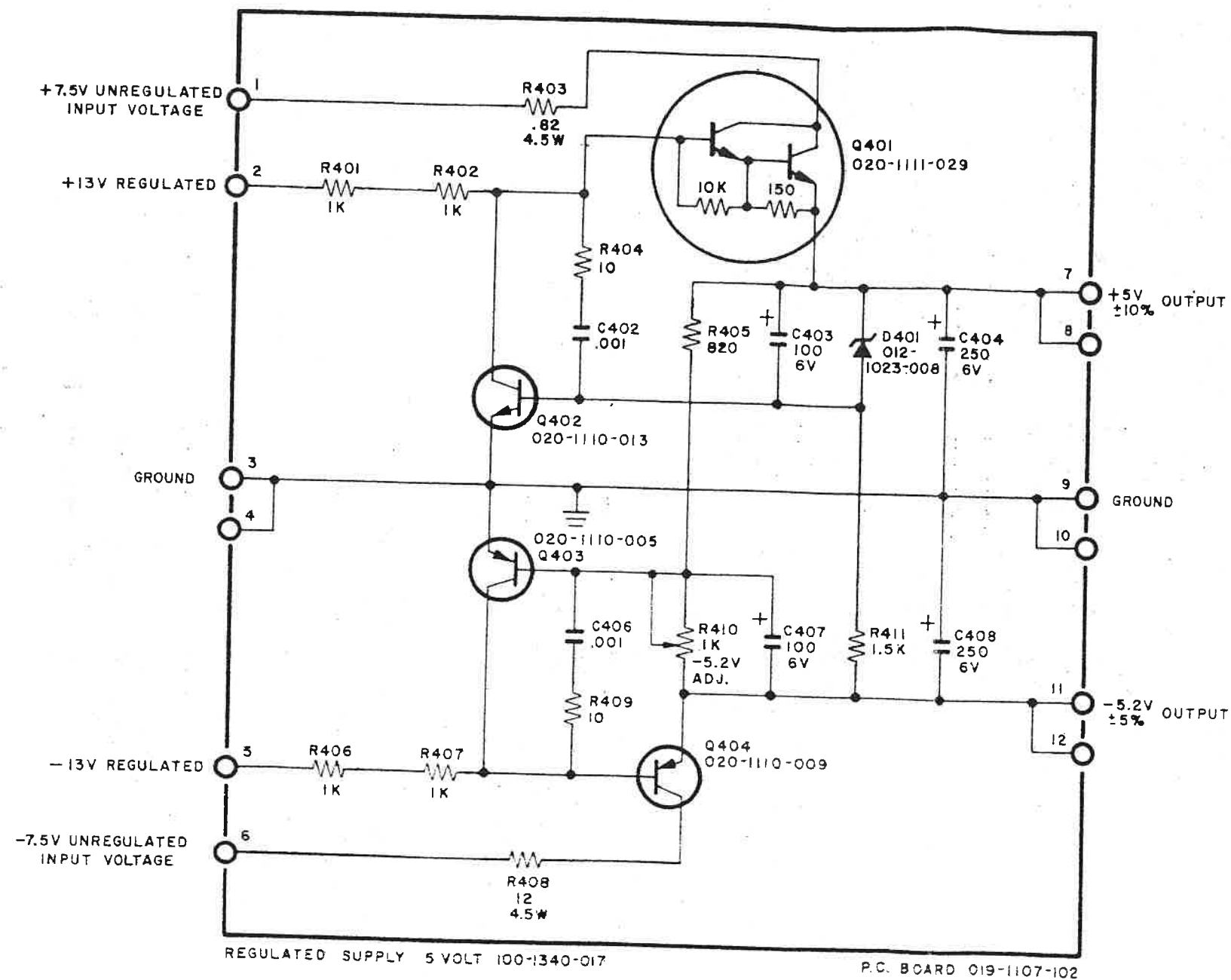
CIRCUIT OF 024-114-003 TO BE PRINTED IN
THIS AREA WHEN MULTIPLEX CIRCUIT APPEARS
IN THE REMOTE MANUAL
SEE 024-114-003

REFER TO COMPONENT 1 APT 105 1007 0192 A

60	9405003	4
5	950375	3
4	9609003	2
3	9709003	1

[illegible]

SYM	DESCRIPTION	DATE	BY
1	ECO 3659A	6-1-71	
2	ECO 3726A	7-3-71	



NOTES:

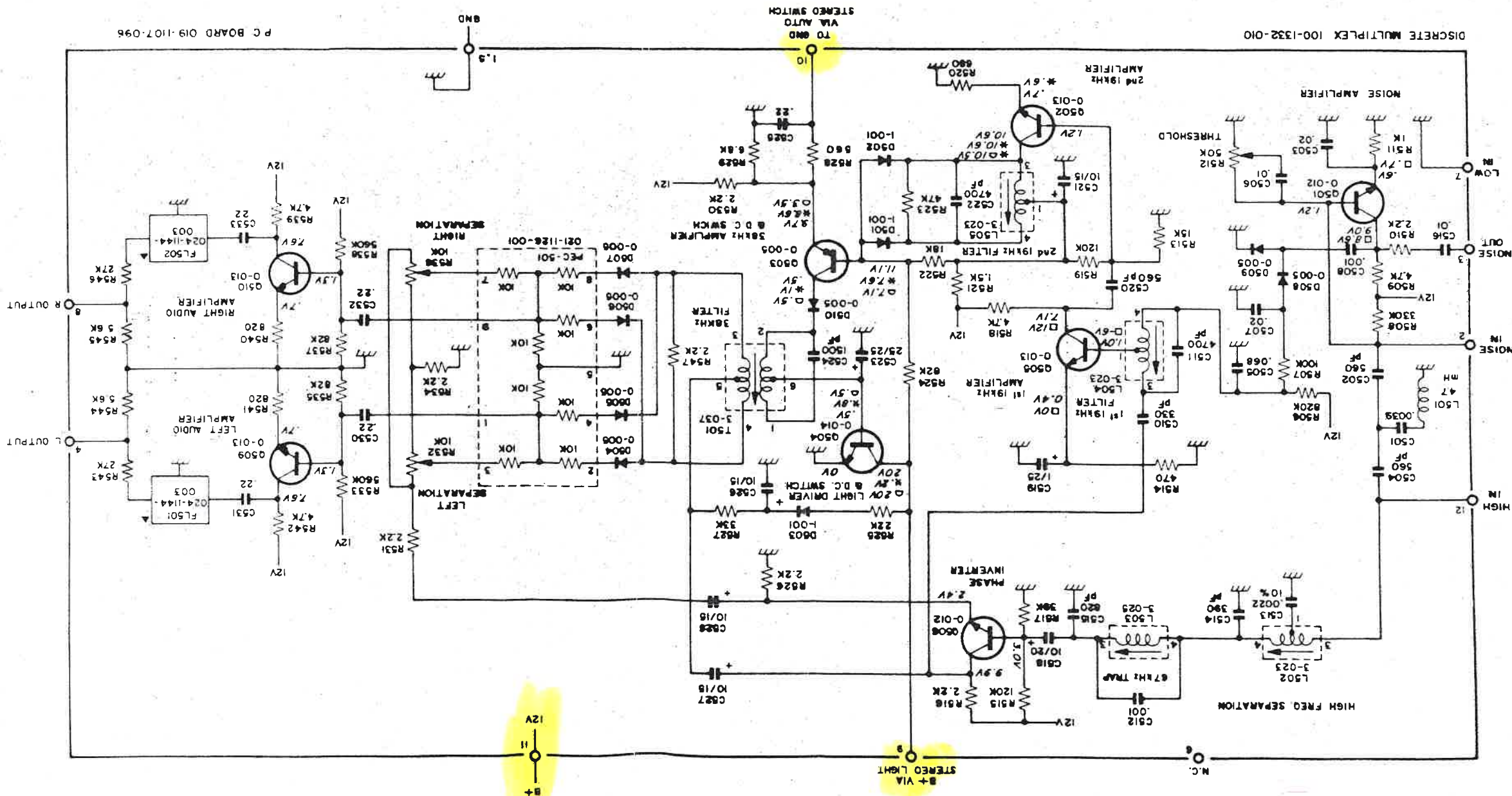
1. UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE IN OHMS $\pm 10\%$, CAPACITANCE IN MFD'S, RESISTORS 1/4 WATT, AND VOLTS ARE DC $\pm 5\%$ MEASURED WITH 20K Ω /VOLT V.O.M

2. HIGHEST SERIES NUMBERS R411, C408, D401, Q404

3. COMPONENTS DELETED ARE, C401, C405

H.H. SCOTT, INC.	
MAYNARD, MASS.	
REGULATED SUPPLY 5VOLT	
SIZE C	QWG. NO. 100-1340-017
DATE 5-13-71	

REV	DATE	BY	CHKD	DESCRIPTION
1	ECG 5846			
2	ECG 5775			
3	ECG 5698			
4	ECG 565			



P.C. BOARD 019-1107-096

DISCRETE MULTIPLEX 100-1332-010

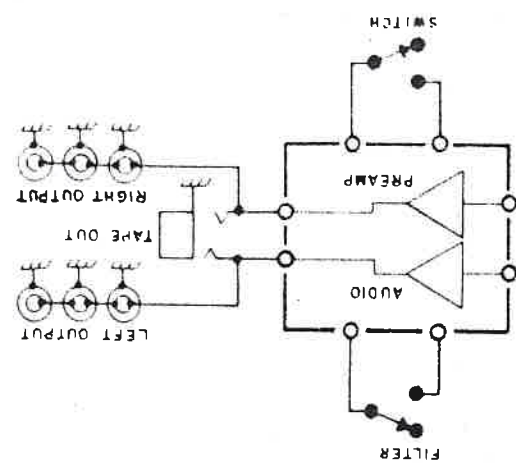
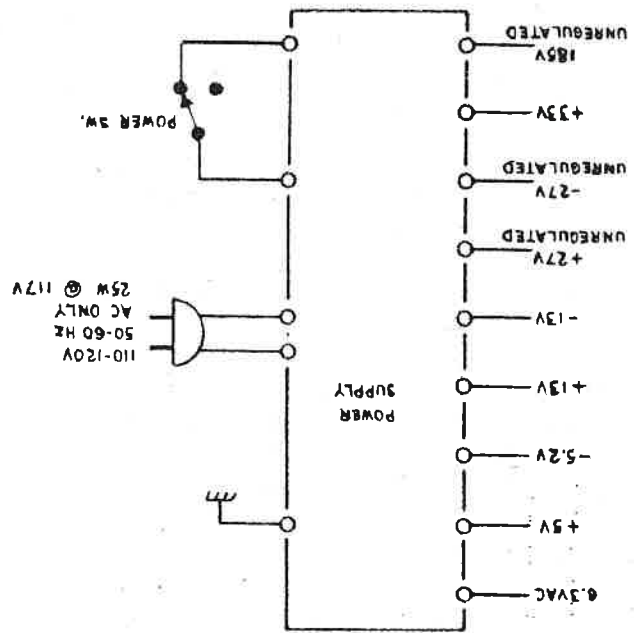
- NOTES
1. UNLESS OTHERWISE SPECIFIED, RESISTANCE IN OHMS $\pm 10\%$, 1/4 WATT, CAPACITANCE IN MFD'S.
 2. ALL D.C. VOLTAGES (16%) MEASURED WITH RESPECT TO CHASSIS GROUND, USING 17M.
 3. FM STEREO SIGNAL FED TO DEMODULATOR.
 4. OFF-STATION NOISE FED TO DEMODULATOR.
 5. AUTO-STEREO SWITCH OPEN.

CIRCUIT OF 024-1144-003 TO BE PRINTED IN THIS AREA WHEN MULTIPLEX CIRCUIT APPEARS IN THE SERVICE MANUAL.

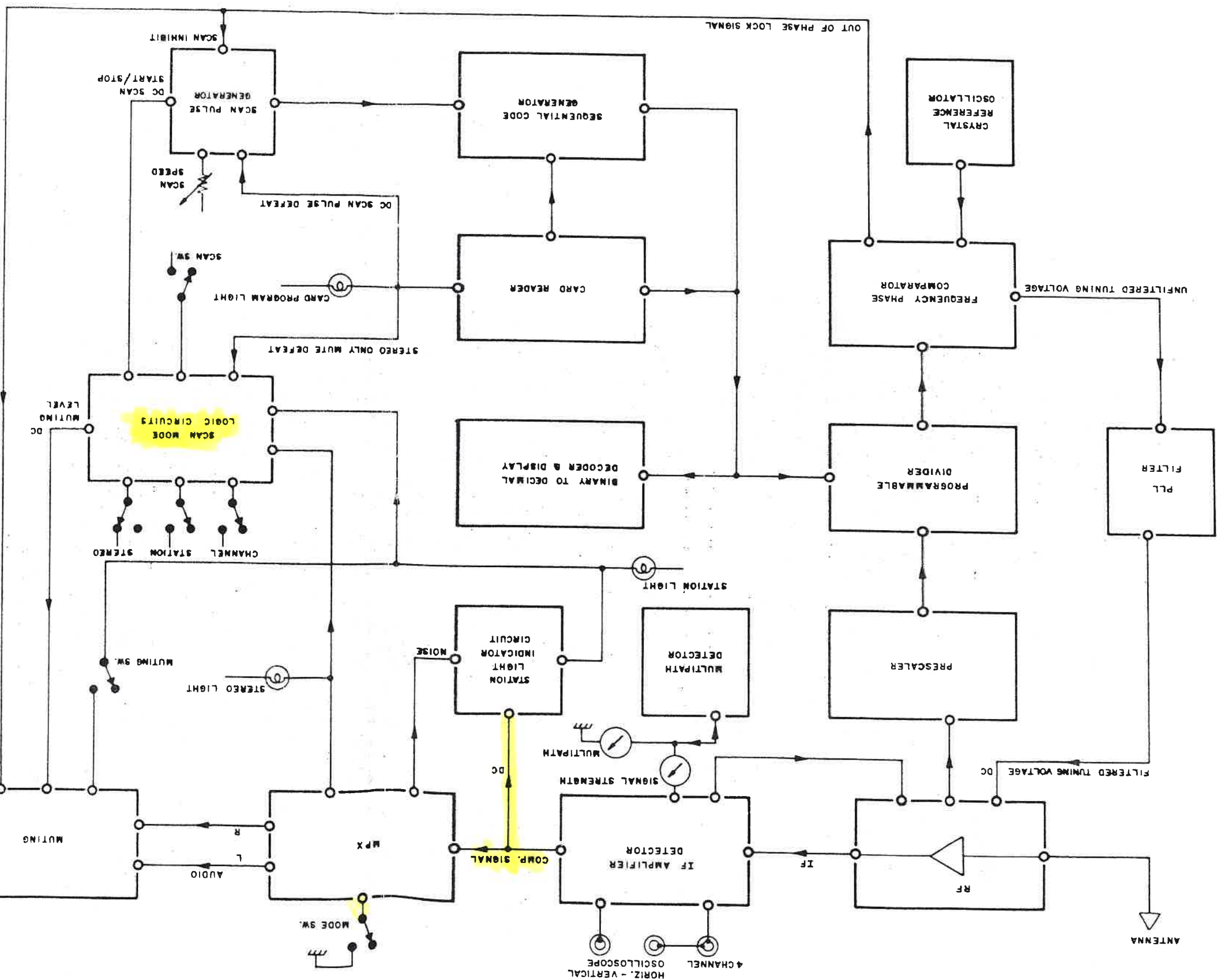
SEE 024-1144-003

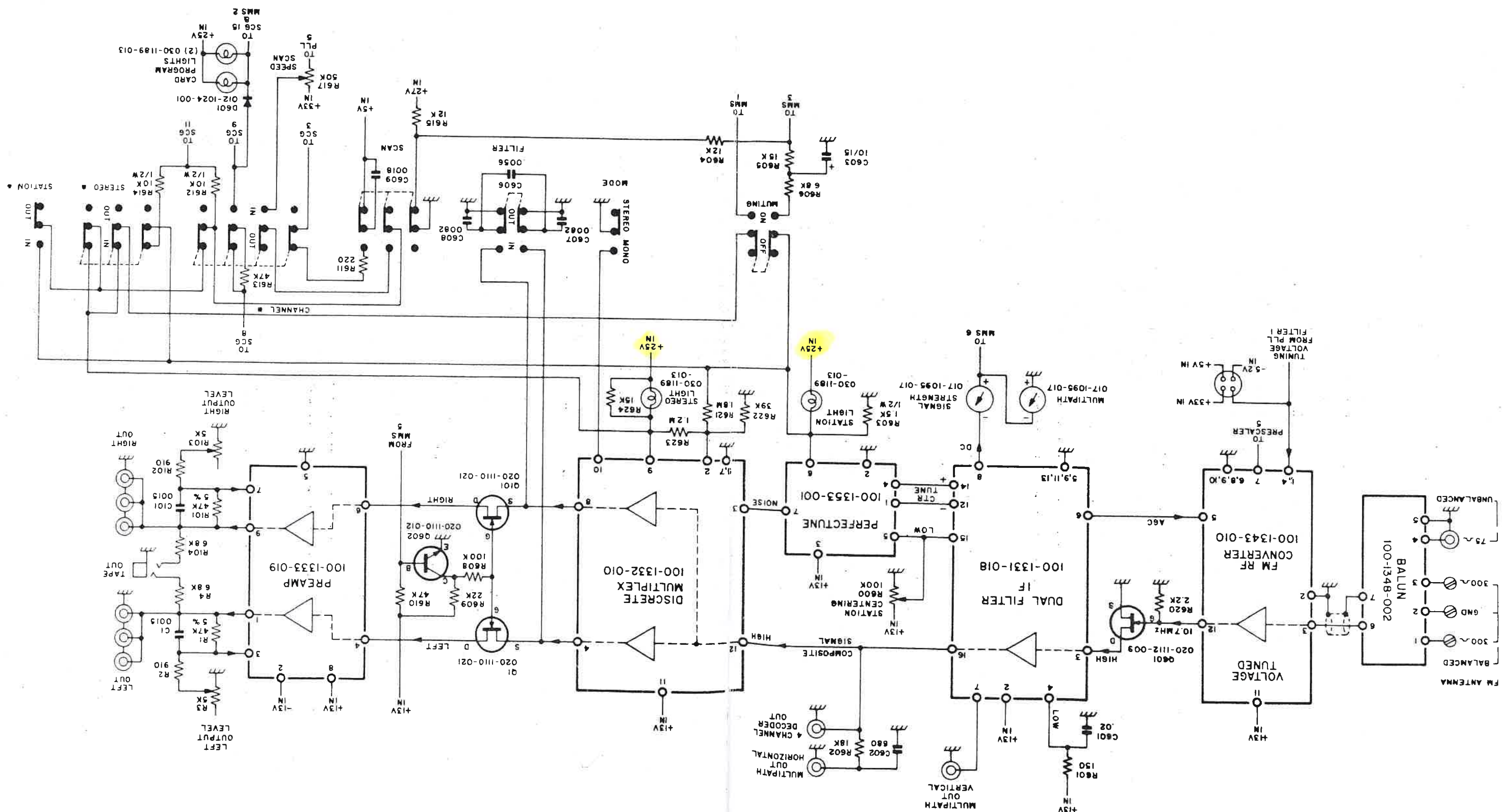
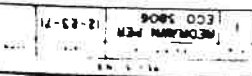
3. A 024-1144-007 FILTER (FL503) MAY BE SUBSTITUTED FOR THE TWO 024-1144-003 FILTERS (FL501, FL502).
4. ALL L.T.D. AND Q NUMBERS ARE SHOWN BY THE LAST FOUR NUMBERS OF THEIR TEN DIGIT PART NUMBER PREFIX FOR EACH AS FOLLOWS: LAST ARE 01-1093-..., D IS 012-1021-..., Q IS 020-1110-...
5. HIGHEST SERIES NUMBERS ARE: R5047, C534, D510, Q510, FL502, REC-501.
6. COMPONENT NUMBERS DELETED/009: C509, C517, R501, R502, R503, R504, R505, R506, R507, R508 - /010, C525, C534.
7. R547 TO BE SOLDERED TO BOTTOM SIDE OF BOARD BETWEEN PINS 3 AND PIN 4 OF T501 AS INDICATED.
8. C534 TO BE SOLDERED TO BOTTOM SIDE OF BOARD ACROSS R520 AS INDICATED.

REV	DATE	BY	CHKD	DESCRIPTION
1	ECG 5846			
2	ECG 5775			
3	ECG 5698			
4	ECG 565			



OUT OF PHASE LOCK MUTE SIGNAL

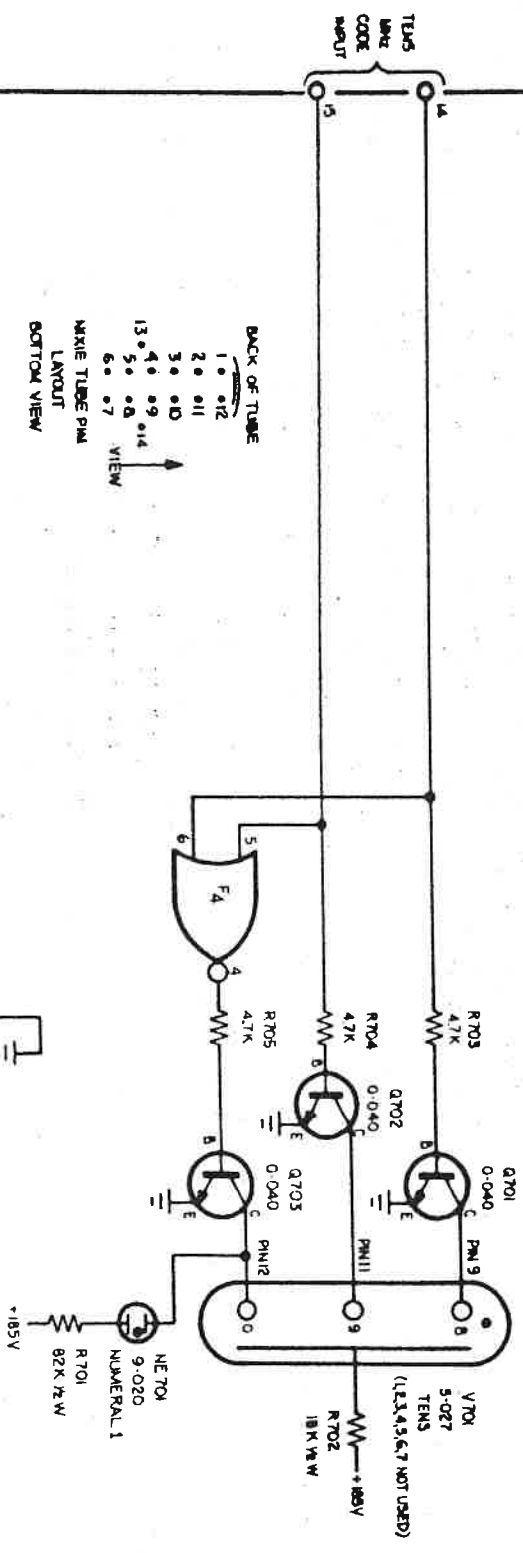
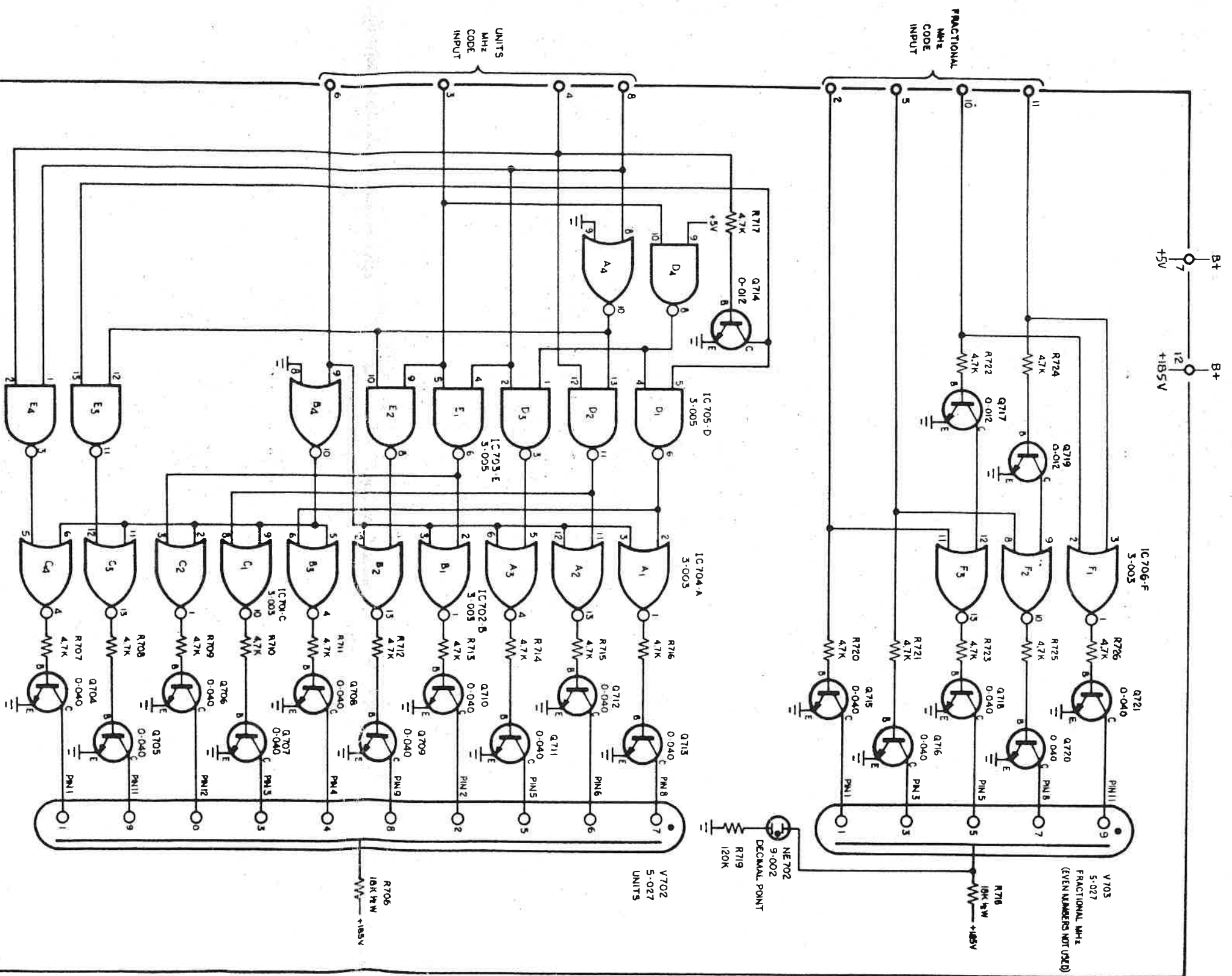






1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT,
CAPACITANCE IN MFD'S.
2. HIGHEST SERIES NUMBERS ARE: IC601, 0601, R607, C606.
3. COMPONENTS DELETED ARE: R603.

[illegible]



BACK OF TUBE
 1. 0.012
 2. 0.011
 3. 0.010
 4. 0.009
 5. 0.008
 6. 0.007
 VIEW

DECODER AND DISPLAY 100-1356-005
 NOTES:
 1. UNLESS OTHERWISE SPECIFIED, RESISTANCE IN OHMS, 1/4WATT, CAPACITANCE IN MICROFARADS.
 2. ALL IC, Q, NE, V PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS OF THEIR TEN DIGIT PART NUMBERS.
 3. WIREST SERIES NUMBERS ARE: IC 706, 0721, V703, NE 702, R726.



NOTES:

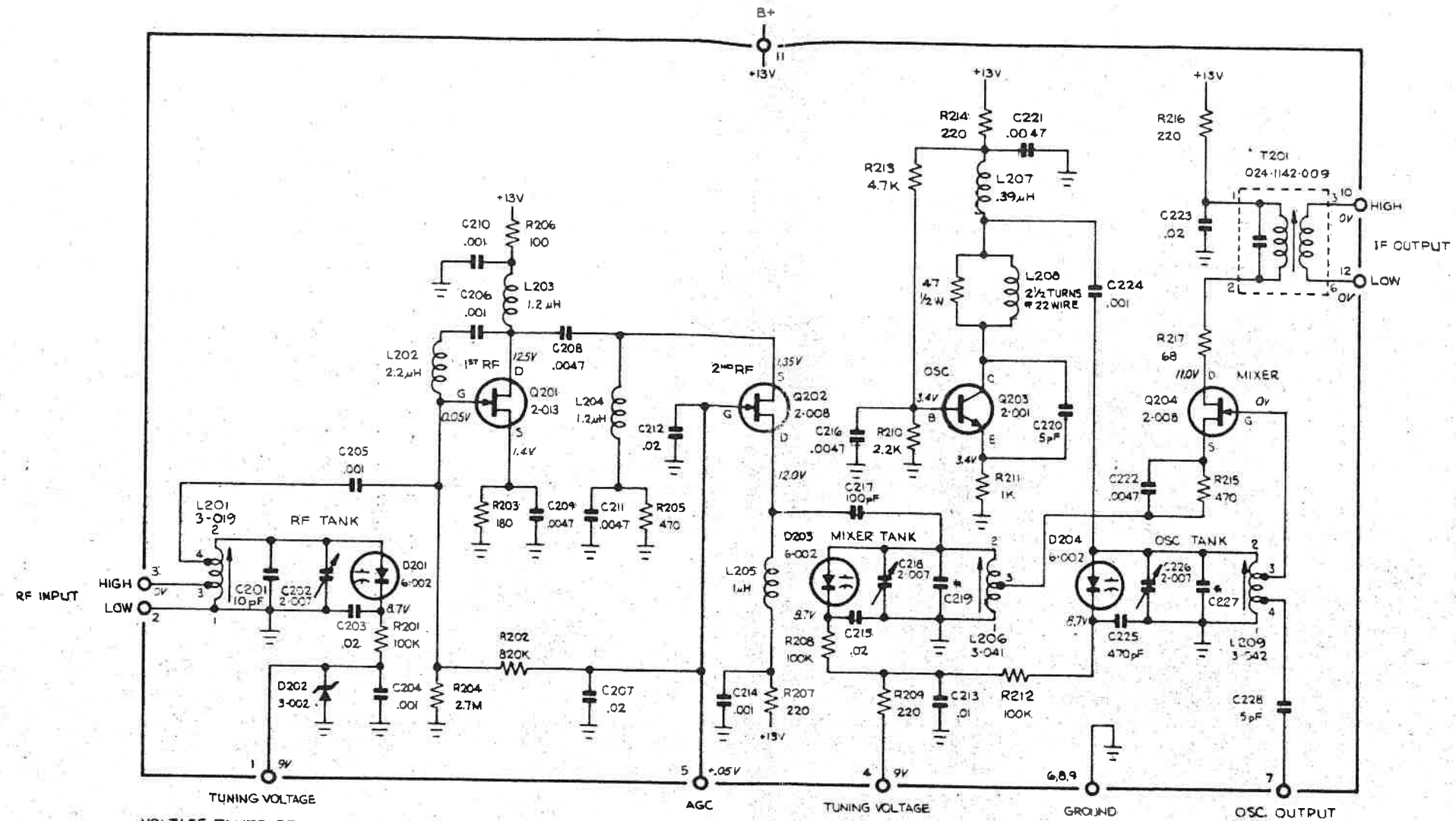
1. UNLESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS $\pm 10\%$; WATT; CAPACITANCE IN MFD'S.

2. ALL IC & Q PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS.

4. IC202, IC204: VCC PIN 14, GND PIN 7.

IC203: VCC PIN 11, GND, PIN 2.

3. COMPONENTS DELETED: C206, C209.



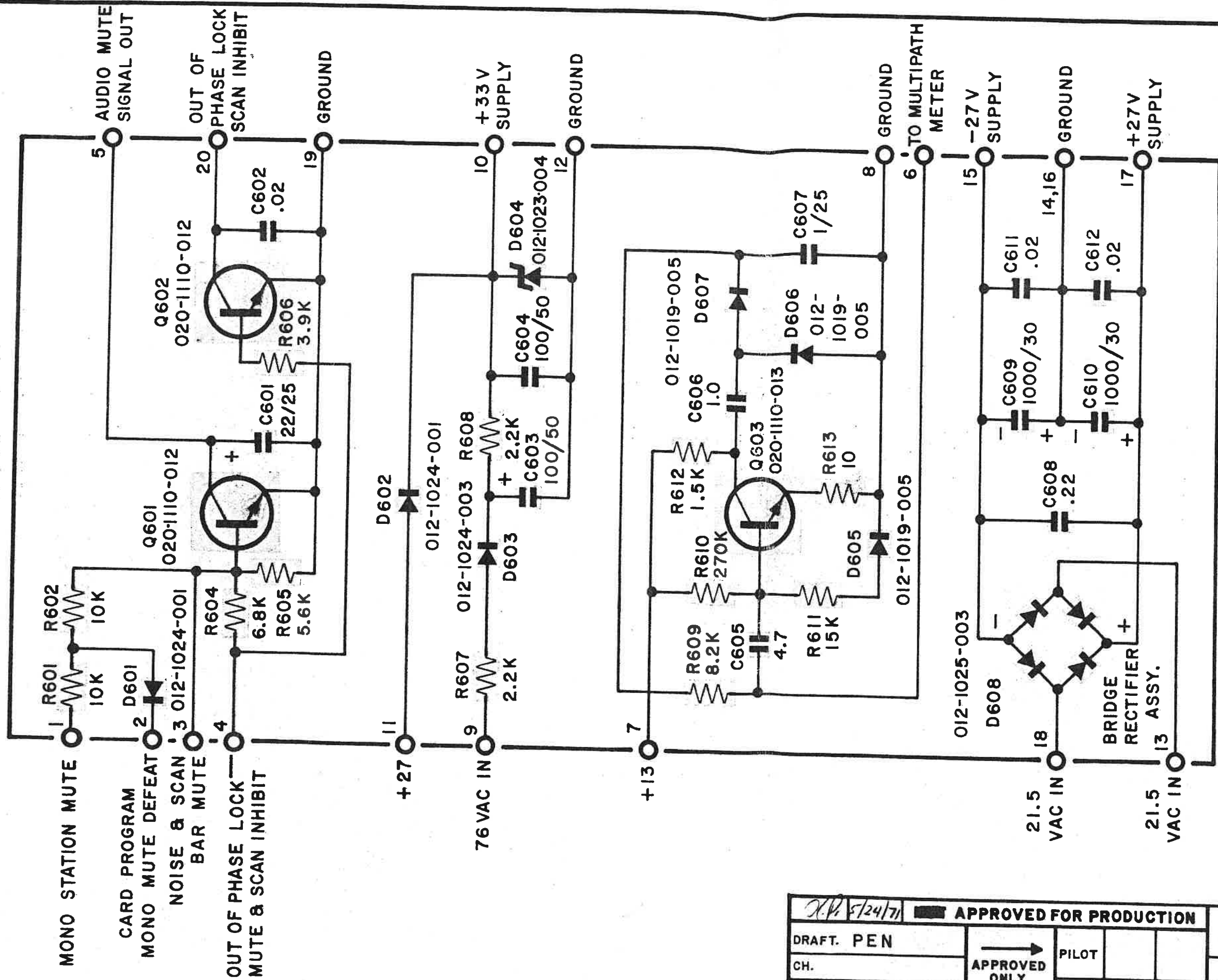
VOLTAGE TUNED RF MODULE 100-1343-010

PC BOARD 019-1107-095

NOTES:

1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MFD'S.
2. ALL DC VOLTAGES ($\pm 15\%$) MEASURED WITH RESPECT TO CHASSIS GROUND, USING V.T.V.M. AT 117V AC LINE, AND UNIT TUNED TO 107.9, NO SIGNAL.
3. PIN 1 ON L201, L206 & L209 IS START OF WINDING.
4. HIGHEST SERIES NUMBERS ARE: R217, C228, D204, Q204, L209, T201.

* USED SELECTIVELY.



MULTIPATH-MUTING-SUPPLY
100-1346-004



H.H. SCOTT, INC.
MAYNARD, MASS.

MULTIPATH-MUTING-SUPPLY

SIZE
B

DWG.
NO.

100-1346-004

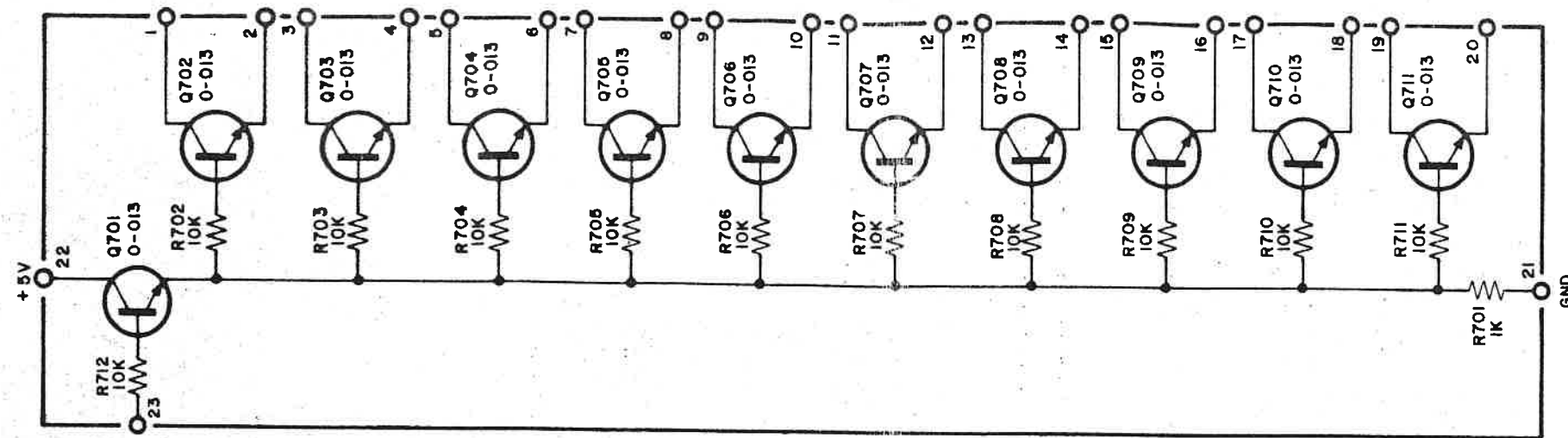
REV.
1

DRAFT. PEN		APPROVED FOR PRODUCTION	
CH.	APPROVED ONLY FOR	PILOT	
SHEET 1 OF 1	DATE 5-4-71		

REVISIONS

SYM	DESCRIPTION	DATE	APPR.
1	ECO 3659 R	6-1-71	J.P.

NOTES:
1. UNLESS OTHERWISE SPECIFIED:
RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT
2. ALL TRANSISTORS ARE SHOWN BY THE LAST
FOUR DIGITS OF A TEN DIGIT PART NO.
PREFIX IS 020-111-7-
3. HIGHEST SERIES NUMBERS ARE: R712 & Q711



ELECTRONIC SWITCHING
100-1357-001
P.C. BOARD
019-1107-121

REVISIONS			
SYM	DESCRIPTION	DATE	APPR.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		9-24-71 APPROVED FOR PRODUCTION		H.H. SCOTT, INC. MAYNARD, MASS.		
TOLERANCES ON FRACTIONS $\pm \frac{1}{16}$ DECIMALS $\pm .005$ ANGLES $\pm \frac{1}{2}^\circ$		APPROVED ONLY FOR	PILOT	9-24-71		
			SAMPLE	9-24-71		
			QUOTE	9-24-71		
		C		DWG. NO. 100-1357-001	REV. 0	
		SCALE: 1/8"		SHEET 1 OF 1	DATE 9-22-71	