

have ruled out components." Scott's 382-C AM/FM stereo receiver also received "Best Buy" plaudits, as CONSUMER GUIDE stated it "possesses advanced engineering techniques that result in level of fail-safe performance."

DELUXE QUADRANT SPEAKER NOW READY

Just in time to tie in with increasing four-channel installations, our deluxe Quadrant Q-101 speaker system is now available for quantity shipment. The Q-101 features two 10" woofers, four 4 1/4" midranges, and four 3" tweeters, in a contemporary walnut air-suspension enclosure. Set to retail at \$249.95 each, the Q-101 speaker systems are specifically designed for the "performance-above-all-else" audiophile. Continuous power handling capacity is 100 Watts, minimum amplifier power requirement is 10-12 Watts, and the frequency range is 35-20,000 Hz.

WANT A STATION? PICK A CARD!

Maynard, Mass. — Tuning in stations by the conventional knob-and-dial method may well become as outdated as crank-starting a car. . . that is, if Scott's new 433 tuner prototype is any indication of future trends.

The new Scott 433 Digital Synthesizer FM stereo tuner offers the audiophile four methods by which he can select his favorite stations. Not one utilizes a knob. The first involves the use of programmed cards. The listener inserts a card for the desired station into a special card-programming slot in the unit's front panel. The other three selection modes, activated by pushbuttons, are: 1. Automatic Station Scanning; 2. Automatic Stereo Station Scanning; and 3. Manual Channel Selection. Visual frequency indication is provided, not by a conventional dial-and-pointer, but by a 100% accurate digital, readout incorporating cold cathode indicators, identical to those used in today's computer applications.

How can a tuner select stations without the conventional knob-operated tuning condenser? The "secret" lies in crystal control, a system used in military and aerospace communications equipment. The 433 tuner uses a quartz crystal as a reference standard to provide a discrete series of scanning steps from center channel to center channel on any one of the 100 channels available on the 88.1

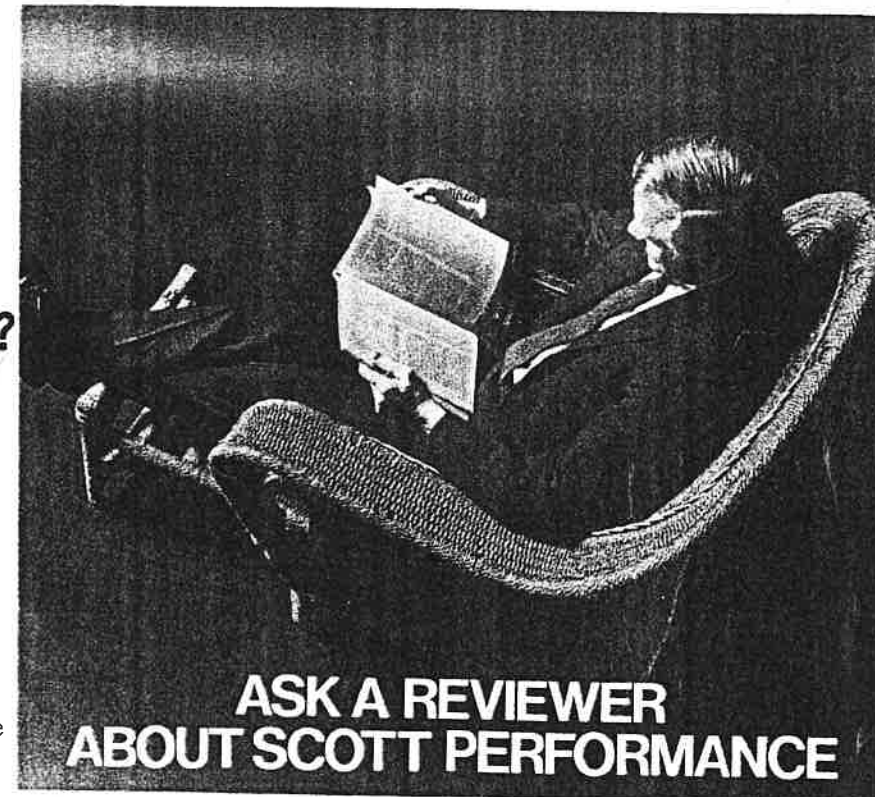
to 107.9 MHz FM band. Essential to the operation of this frequency synthesizer system are a Phase-Locked Loop, a Digital Programmable Divider, an electronically tuned RF section, and an Error Correction system using the quartz crystal to provide drift-free 100% accurate tuning on every frequency.

The control panel of the 433 is unique in that it incorporates no knobs. Features include: Multipath and Signal Strength Meters; FM Digital Readout; FM Stereo and Perfectune Indicators; Channel Scan Speed Control; Scan Mode Selectors (Channel, Stereo, Station); Scan Switch; Power On/Off Switch; FM Interstation Mut-

ing Switch; Mono/Stereo Mode Switch; Filter Switch; Tape Output; Card Programming Input Slot; Card Storage Compartment.

In addition to the conventional rear panel features, the 433 includes a 4-channel multiplex output jack. . . anticipating future 4-channel broadcast developments.

Don't look for the 433 on your local audio dealer's shelves. According to Scott's marketing department, the 433 is at present a developmental prototype. This means that it may be produced sometime in the future, or, more likely, it will serve as the inspiration for a whole new line of advanced Scott products.



ASK A REVIEWER ABOUT SCOTT PERFORMANCE

Hirsch-Houck Laboratories put the Scott 382-C 110-Watt AM/FM stereo receiver through its paces for a review in a recent issue of ELECTRONICS WORLD. In Hirsch-Houck's own words, here's how the Scott measured up:

"... the Perfectune FM tuning indicator ... is far easier to use and more accurate than a zero-center tuning meter."

"AM ... has a clean, undistorted sound ... easy to listen to."

"The unit proved to be very sensitive, to no one's surprise."

"The FM tuner has an IHF usable sensitivity of 1.8 microvolts, with full limiting at 3 microvolts — one of the steepest limiting curves we have measured to date."

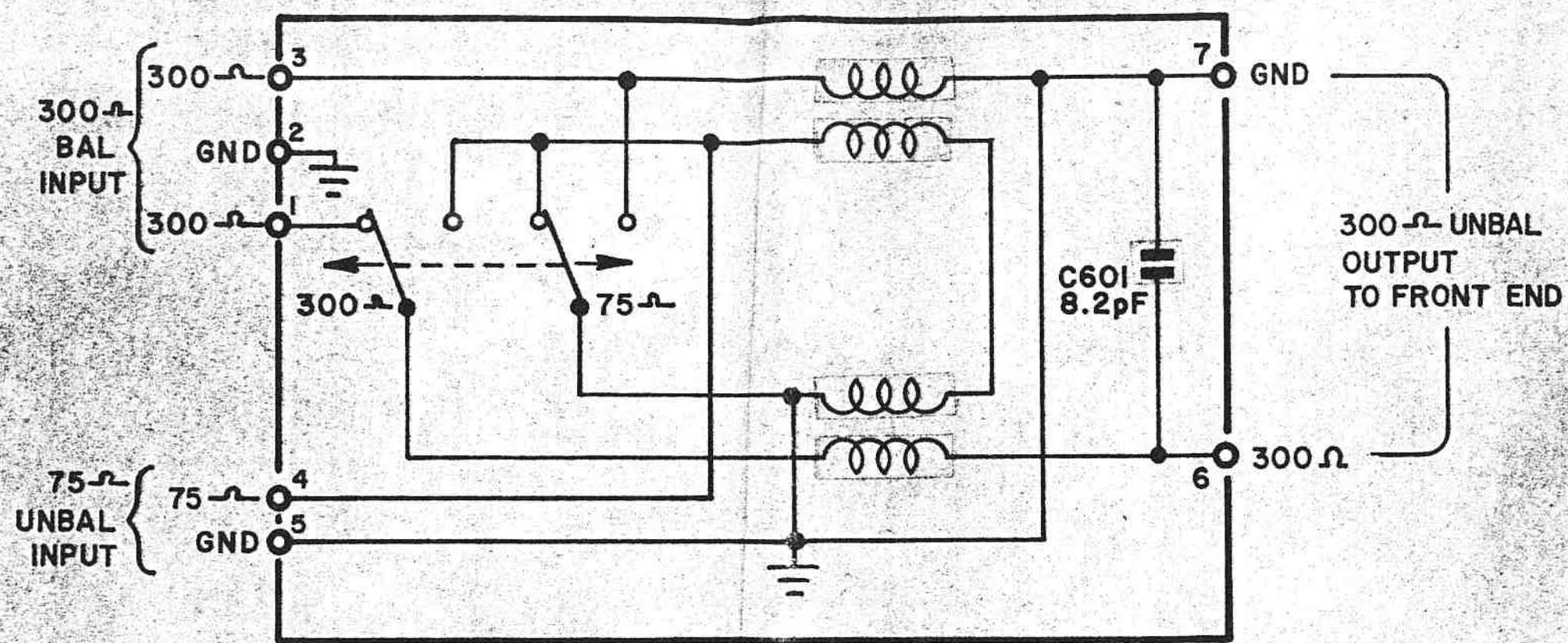
Make your own review . . . listen to the modestly priced Scott 382-C at your dealer's. For complete information on Scott stereo components, write:

SCOTT®

H. H. Scott, Inc., Dept. 1012 Maynard, Mass. 01754
Export: Scott International, Maynard, Mass. 01754


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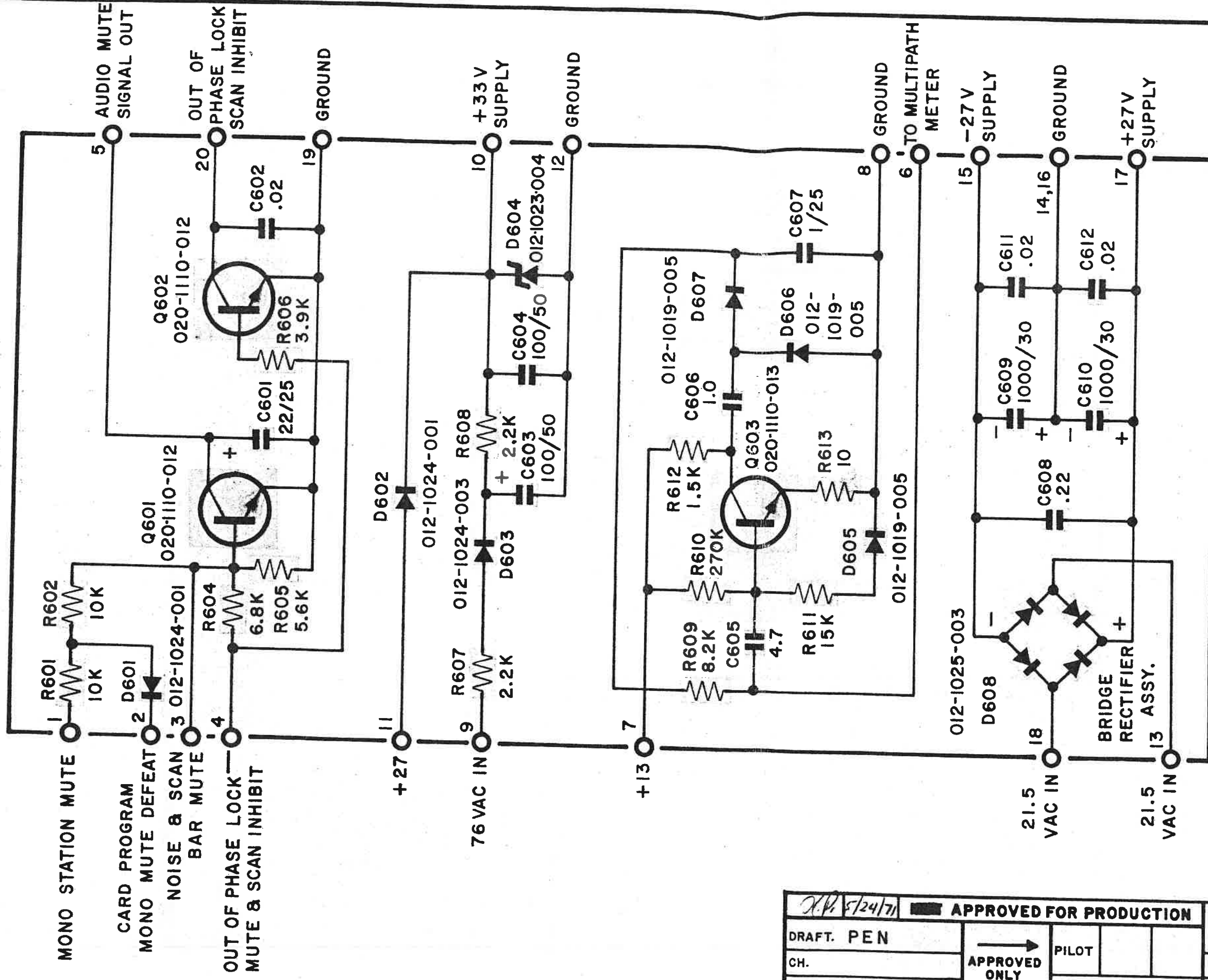
REVISIONS			
SYM	DESCRIPTION	DATE	APPR.
I	ECO 3530	11-25-70	LML



BALUN BOARD 100-1348-002

PC BD 019-1107-080

 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 P.C. BOARD 019-1107-105

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

J.P. 5/24/71 **APPROVED FOR PRODUCTION**

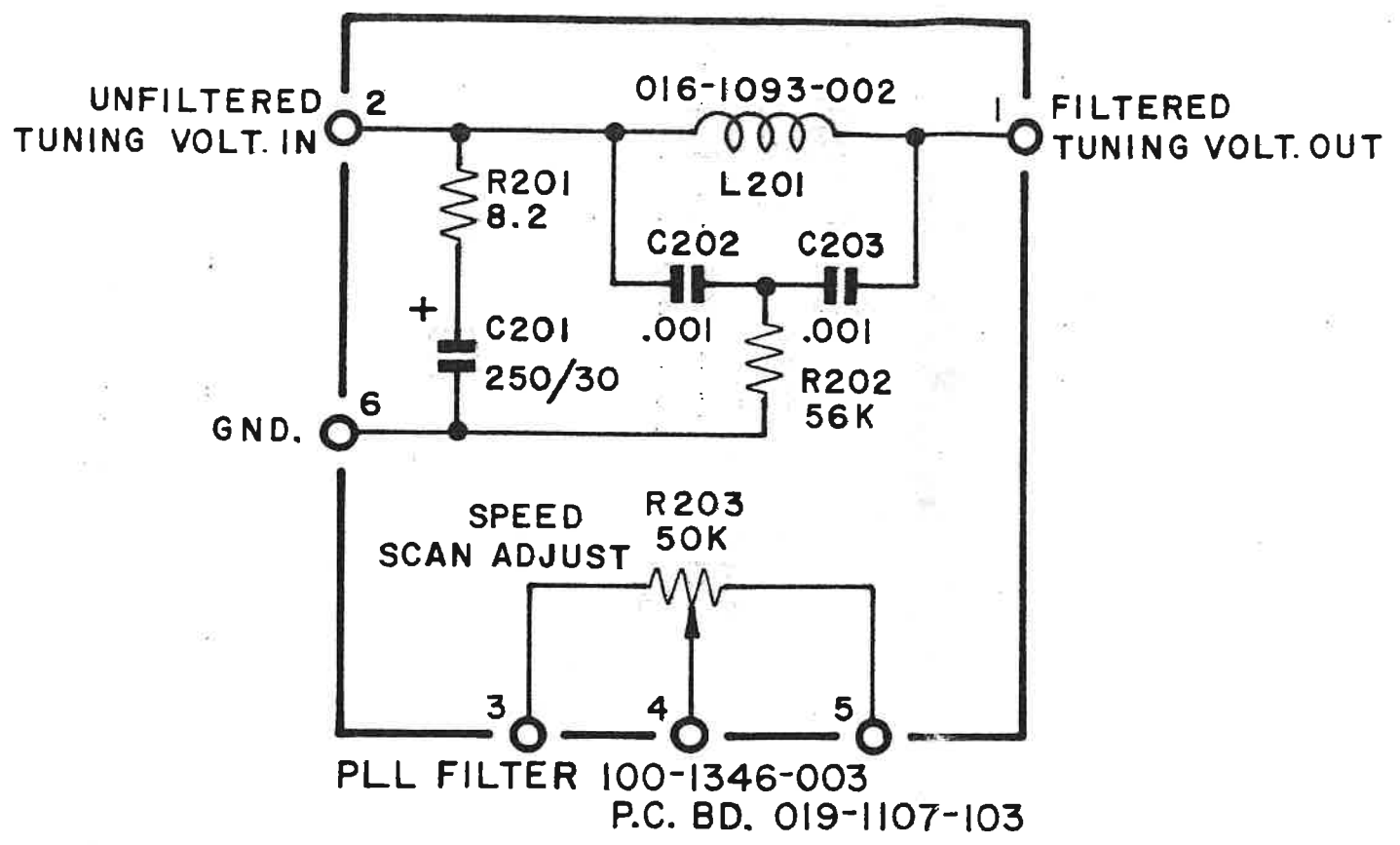
DRAFT. PEN	APPROVED ONLY FOR	PILOT	
CH.		DATE 5-4-71	
SHEET 1 OF 1			

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

MULTIPATH-MUTING-SUPPLY

SIZE **B** DWG. NO. **100-1346-004** REV. **1**

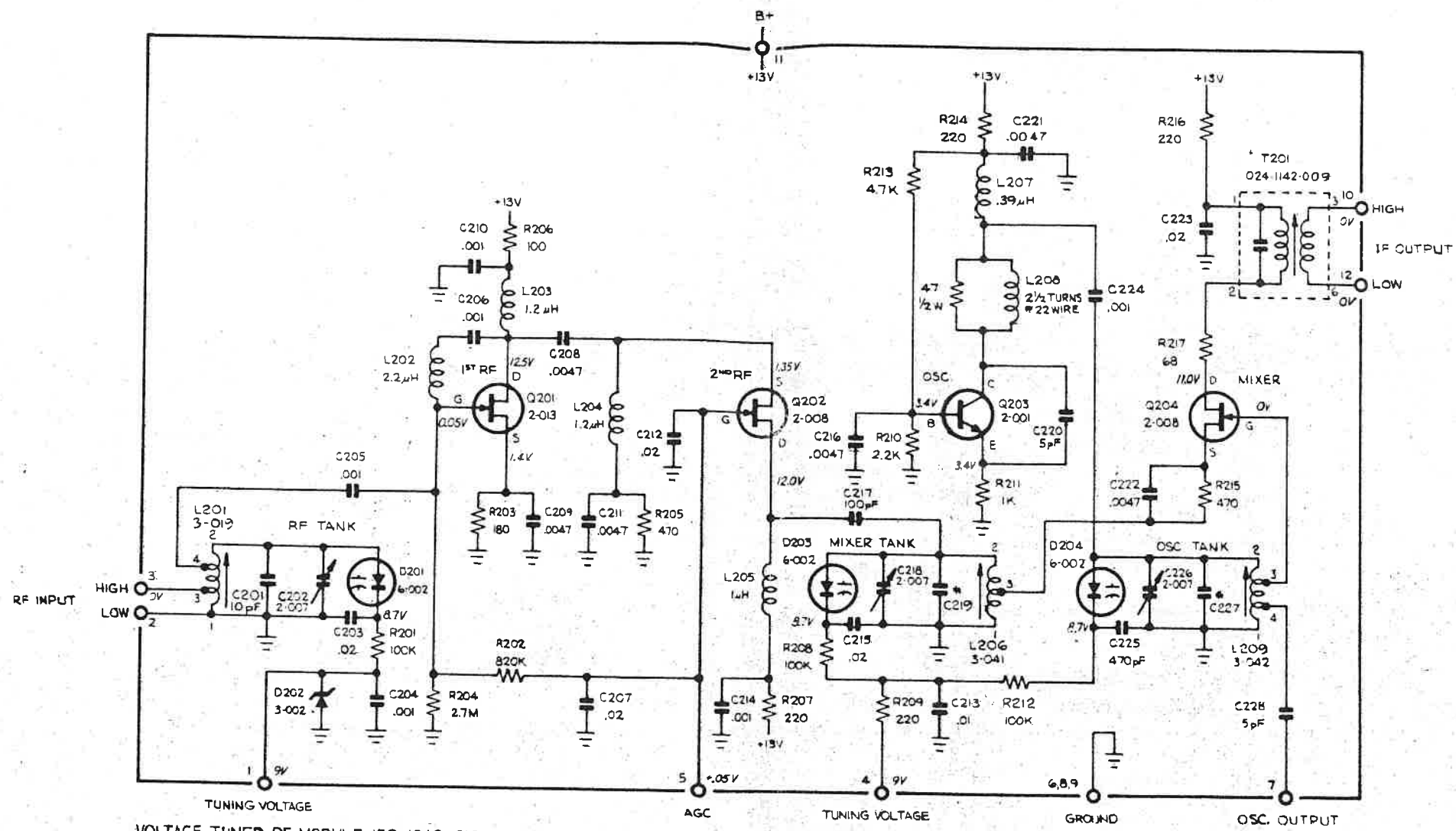
REVISIONS			
SYM	DESCRIPTION	DATE	APPR.



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,

2/5/21/71		APPROVED FOR PRODUCTION		H.H. SCOTT, INC. MAYNARD, MASS.	
DRAFT. PEN	APPROVED ONLY FOR	PILOT		PLL FILTER	
CH.		DATE 5-19-71		SIZE B	DWG. NO. 100-1346-003
SHEET 1 OF 1				REV. 0	



VOLTAGE TUNED RF MODULE 100-1343-010

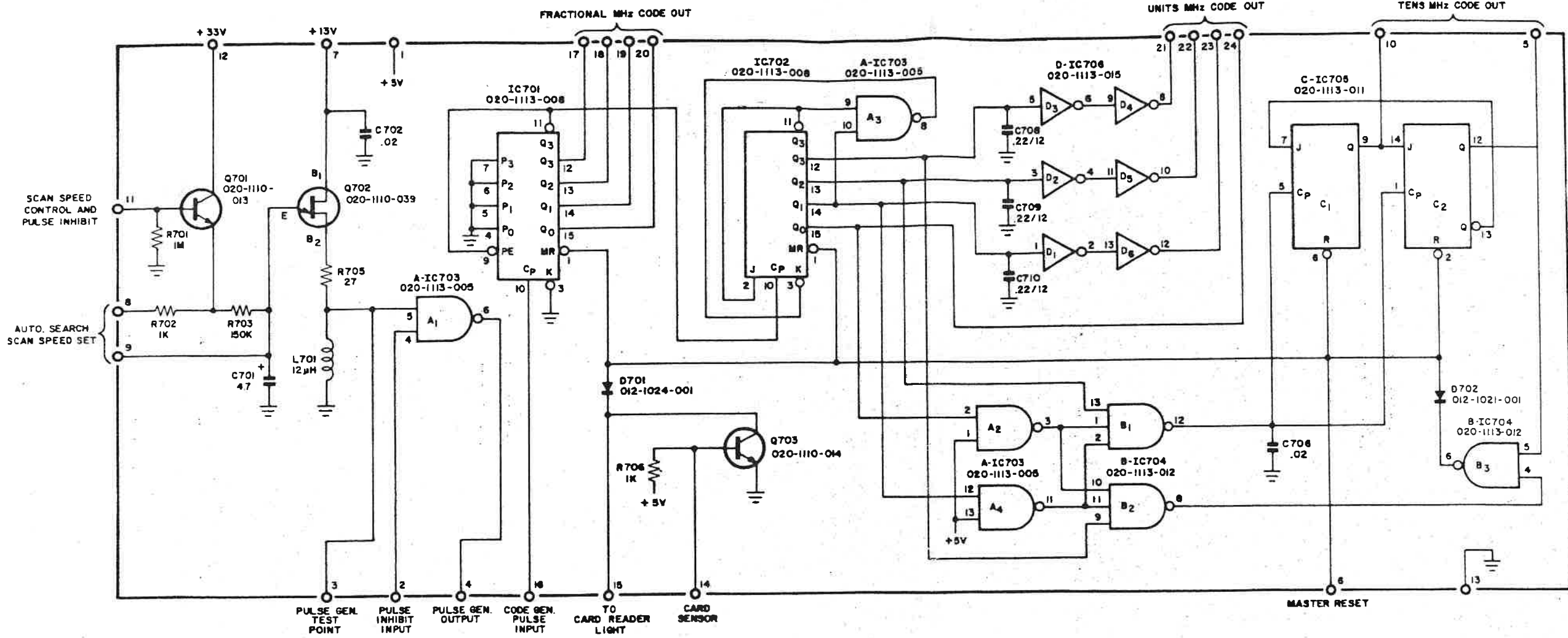
PC BOARD 019-1107-095

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.

APPROVED FOR PRODUCTION		DATE: 8 28 71	
DRAFT OR	APPROVED ONLY	VOLTAGE TUNED RF MIXER & OSCILLATOR	
CH	FILE	100-1343-010	

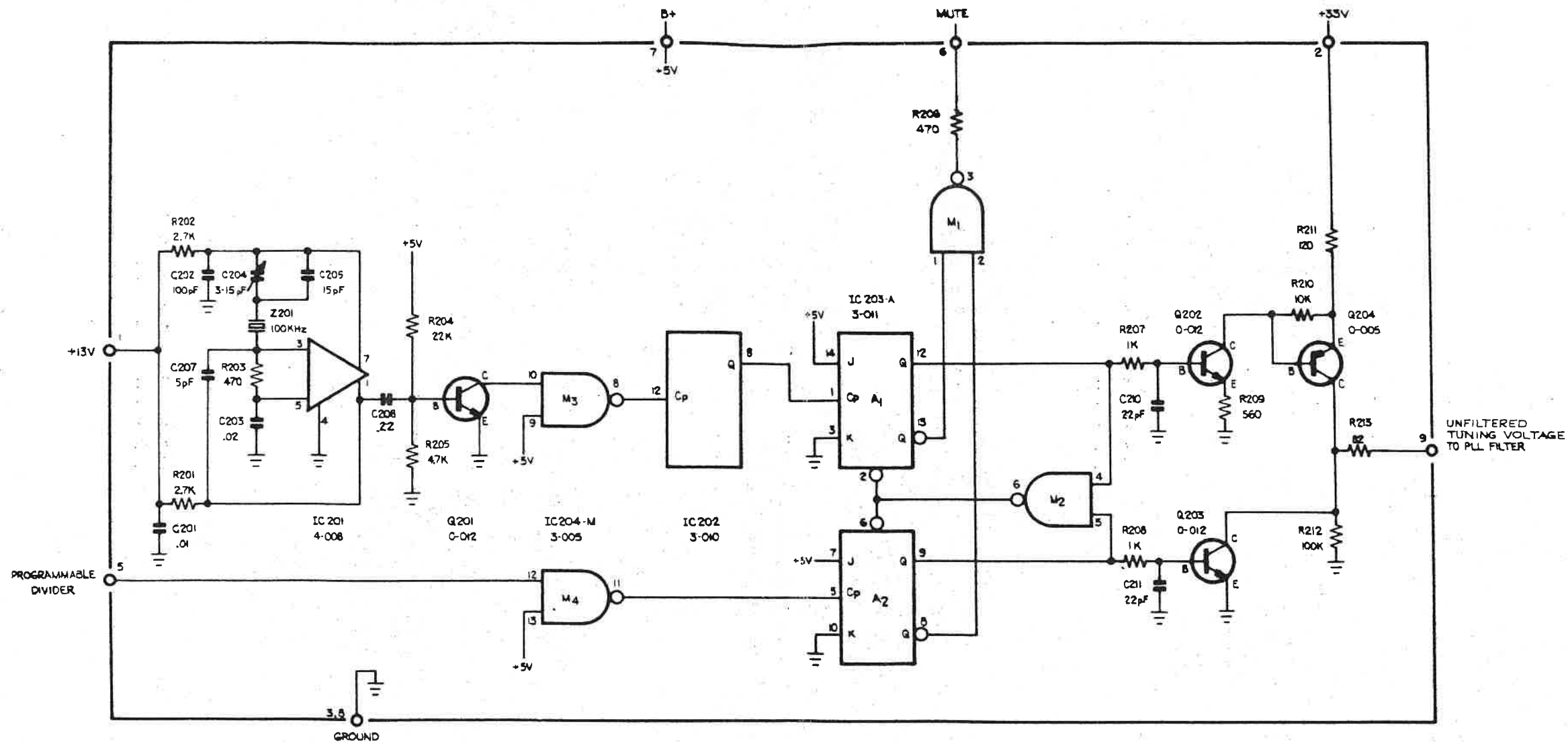


SEQUENTIAL CODE GENERATOR 100-1356-004

P.C. BOARD 019-1107-092

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, 22µF C703, C704, C708 & C707
3. IC703, IC704 & IC706 VCC PIN 14, GND PIN 7
IC705 VCC PIN 4, GND PIN 11
IC701 & IC702 VCC PIN 16, GND PIN 8
4. HIGHEST SERIES NUMBERS ARE: IC706, R706, C710, L701, D702 & Q703
5. COMPONENTS DELETED ARE: R704
6. IC706 M.H.S. P/N 020-1113-015 MAY PHYSICALLY APPEAR ON A SEPARATE BOARD IN UNITS WITH SERIAL NUMBER 654276 OR LOWER



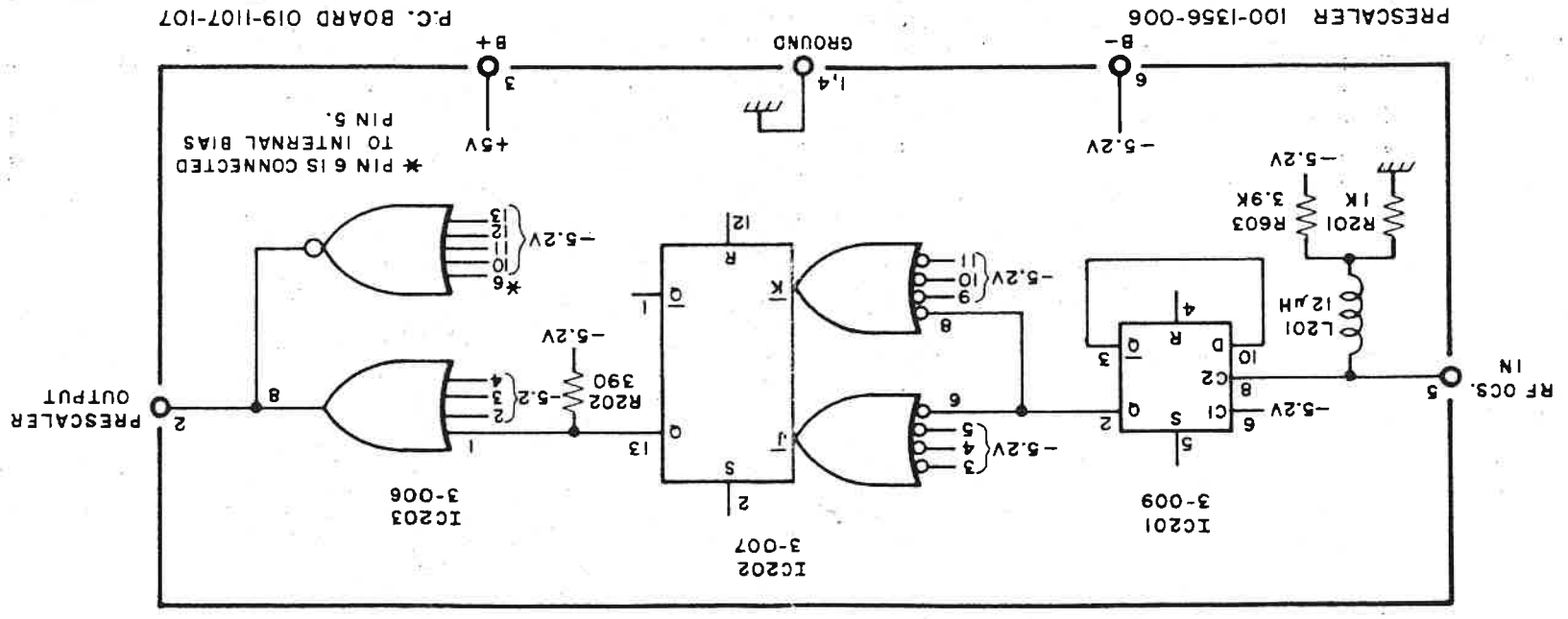
PHASE-FREQUENCY COMPARATOR 100-1356-002

PC BOARD 019-1107-101

NOTES:

1. UNLESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS $\pm 10\%$, $\frac{1}{4}$ WATT; CAPACITANCE IN MFD'S.
2. ALL IC & Q PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS OF THEIR TEN DIGIT PART NUMBERS. THE PREFIX FOR BOTH IS 020-111-1-.
3. HIGHEST SERIES NUMBERS ARE: IC204, Q204, Z201, R213, C211.
4. IC202, IC204: VCC PIN 14, GND. PIN 7.
IC203: VCC PIN 11, GND. PIN 4.
5. COMPONENTS DELETED: C206, C209.

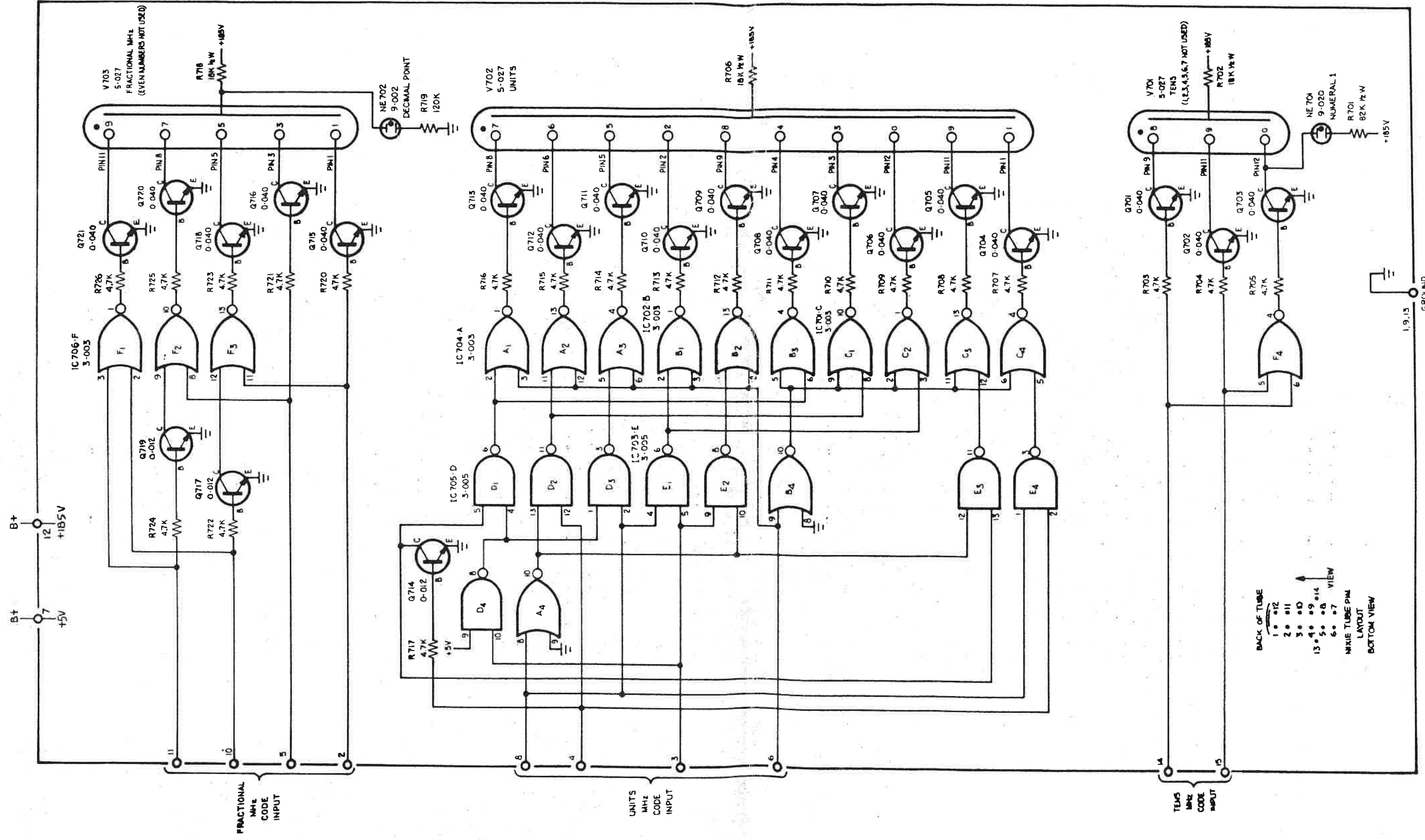
REVISIONS		
REV	DESCRIPTION	DATE



PRESCALER 100-1356-006
P.C. BOARD 019-1107-107

- 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 $\pm 5V$ — GND., .02 MFD., C202; $-5.2V$ — GND., .001 MFD., C201.
 3. IC201; VEE PIN 7, GND. PIN 14.
IC202; VEE PIN 7, GND. PIN 14.
IC203; VEE PIN 7, VCC PIN 9, GND. PIN 14.
 4. ALL IC PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS OF THEIR TEN DIGIT PART NUMBER. THE PREFIX IS 020-111
 5. HIGHEST SERIES NUMBERS ARE; IC203, L201, C202, R203.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		TOLERANCES ON DIMENSIONS \pm %		DECIMALS \pm .002		ANGLES \pm °	
DRAFT: PEN		APPROVED FOR PRODUCTION		DATE: 4/7/71		REV: 0	
H. H. SCOTT, INC. MAYNARD, MASS.		PRESCALER CIRCUIT		DWG NO. 100-1356-006		SHEET 1 OF 1	
SCALE: —		DATE: 5-20-71		MATERIAL:		REV: 0	



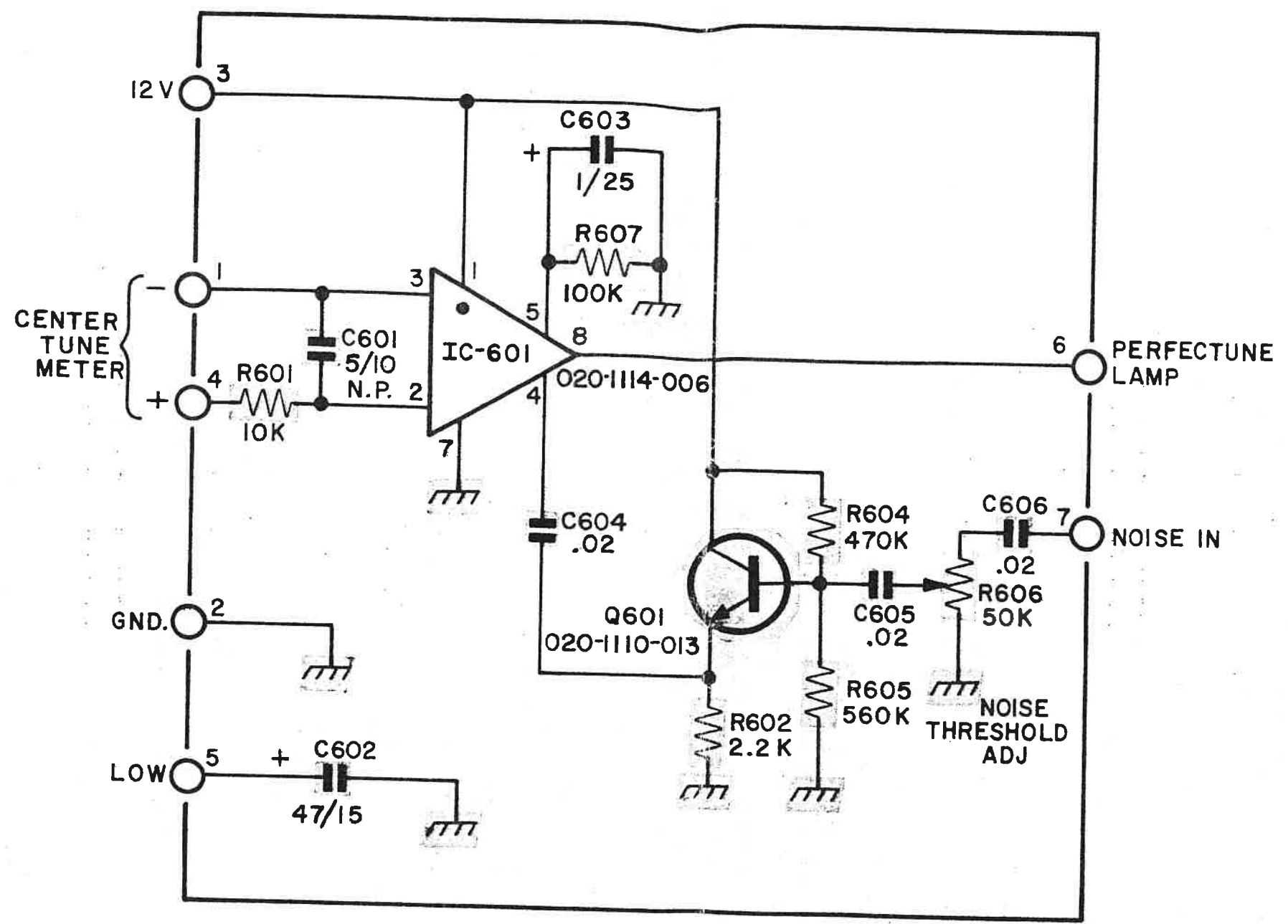
PC BOARD 019-1107-098

DECODER AND DISPLAY 100-1356-005

- NOTES:
1. UNLESS OTHERWISE SPECIFIED RESISTANCE IN OHMS $\pm 10\%$, $\frac{1}{4}$ WATT, CAPACITANCE IN MFD'S
 2. ALL IC, Q, NE, V PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS OF THEIR TEN DIGIT PART NUMBERS. PREFIXES ARE: IC # Q-020-111...; NE 1030-118...; V1 025-114...
 3. HIGHEST SERIES NUMBERS ARE: IC706, Q721, V705, NE702, R726.

APPROVED FOR PRODUCTION		H. H. SCOTT, INC. MAYNARD, MASS.	
DESIGNER	DATE	PILOT	DATE
APPROVED	DATE	DATE	DATE
100-1356-005		DECODER AND DISPLAY CIRCUIT	

REVISIONS			
SYM	DESCRIPTION	DATE	APPR.



PERFECTUNE 100-1353-001

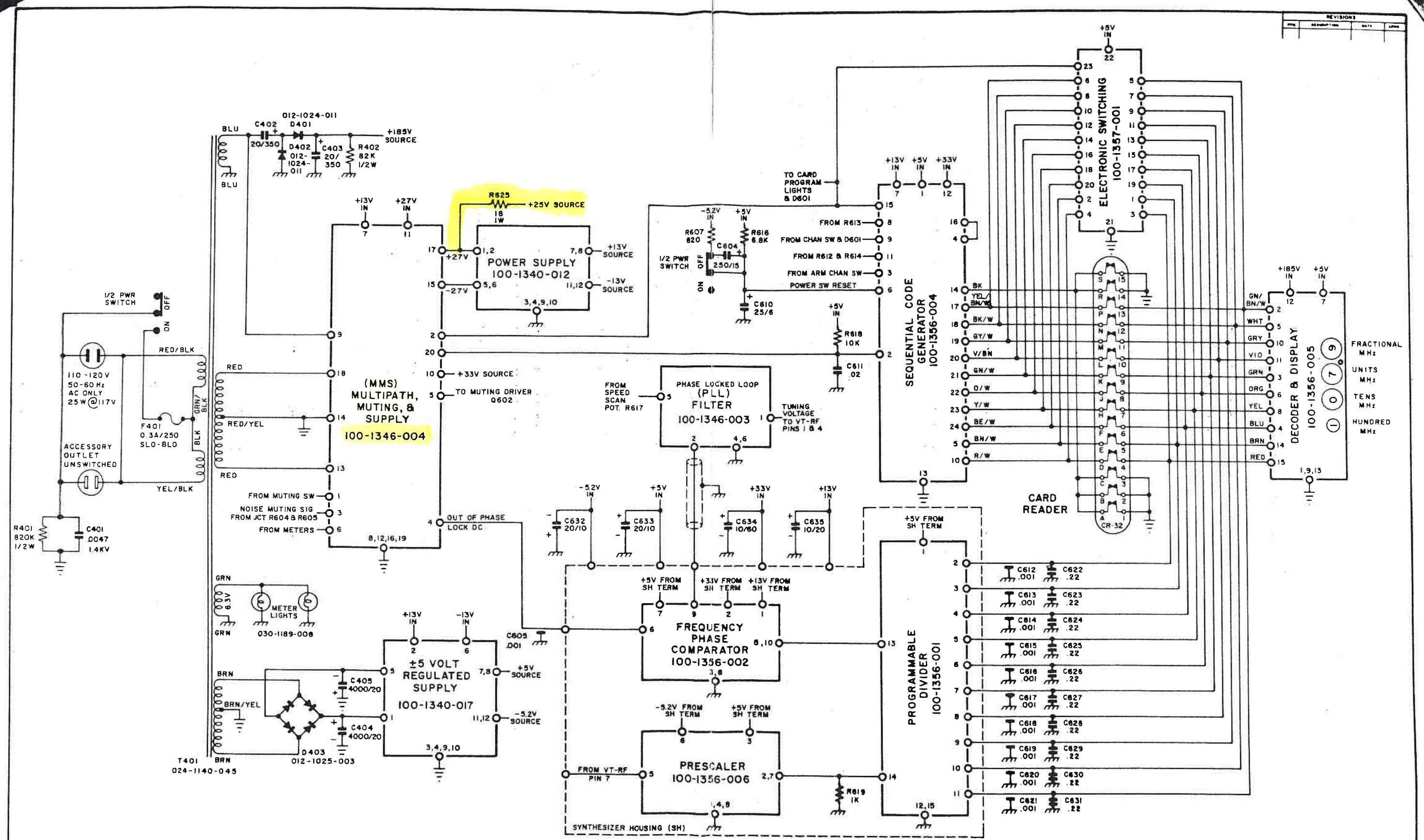
PC BD 019-1107-093

NOTES:

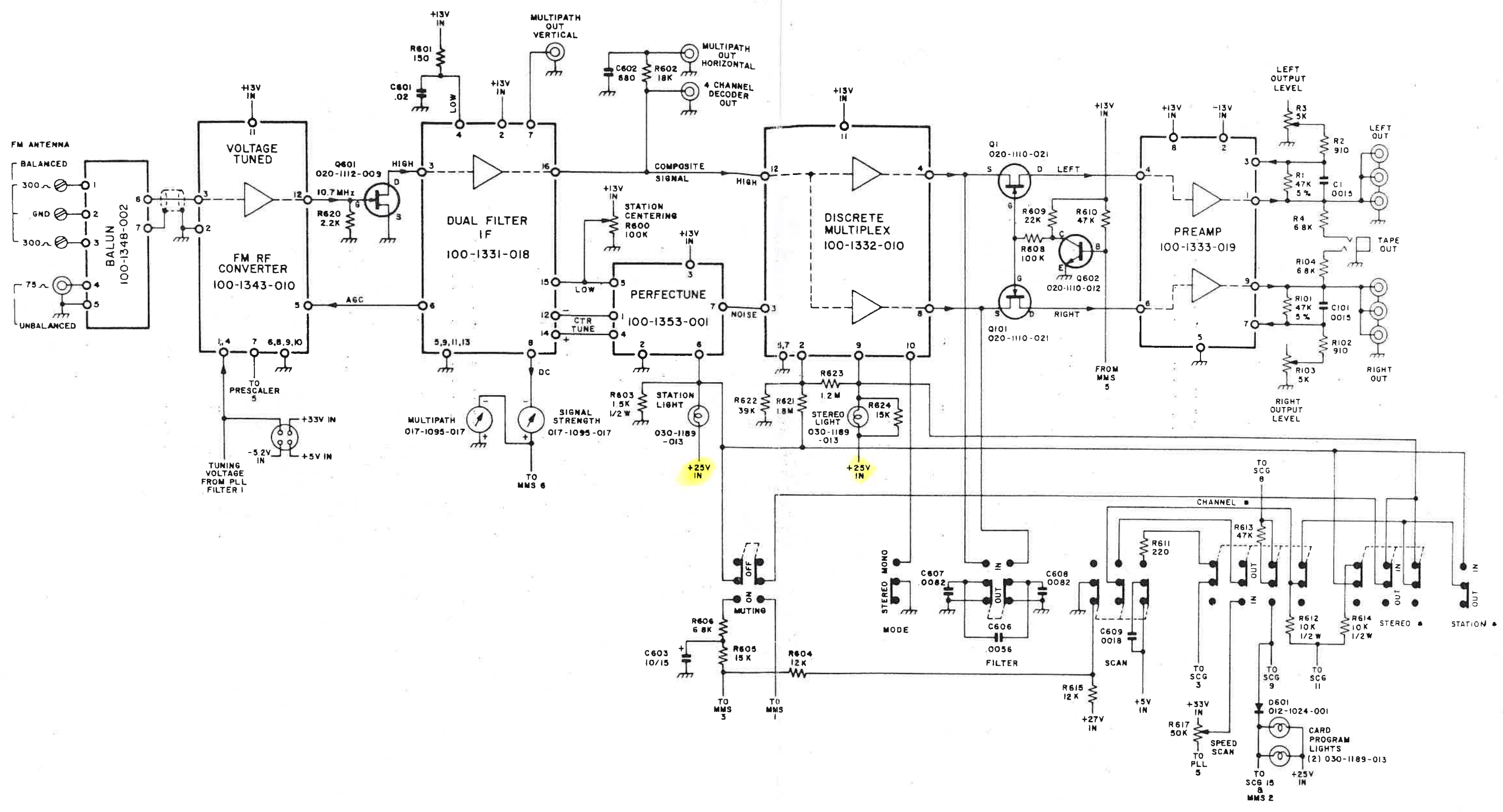
1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MFD'S.
2. HIGHEST SERIES NUMBERS ARE; IC601, Q601, R607, C606.
3. COMPONENTS DELETED ARE: R603,

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

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



NOT APPROVED FOR PRODUCTION		H. H. SCOTT, INC. MAYNARD, MASS.	
DRFT. D. MILLER	APPROVED ONLY FOR	PILOT	CIRCUIT DIAGRAM
CH	DATE 12-22-71	SIZE 0	REV. 1
SHEET 2 of 3	REV. NO. 433-C1		



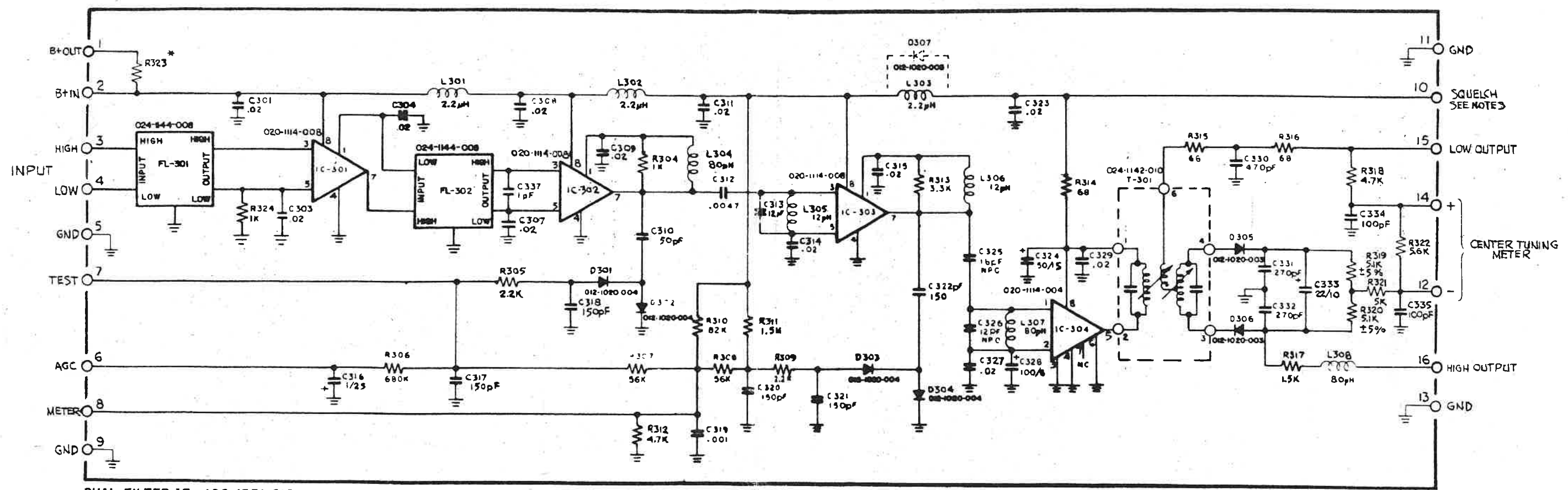
NOT APPROVED FOR PRODUCTION		H H SCOTT, INC. MAYNARD, MASS.	
DRAFT D. MILLER	APPROVED ONLY FOR	PILOT	
SHEET 1 OF 3	DATE 11-18-71	SIZE D	DWG NO. 433-CI
			REV 1

REVISIONS			
NO.	DESCRIPTION	DATE	APP.
1	ECO 3659	4.27.71	

CIRCUIT OF O20-1114-008 TO BE PRINTED IN THIS AREA WHEN IF CIRCUIT APPEARS IN THE SERVICE MANUAL SEE O20-1114-008

CIRCUIT OF O20-1114-004 TO BE PRINTED IN THIS AREA WHEN IF CIRCUIT APPEARS IN THE SERVICE MANUAL SEE O20-1114-004

CIRCUIT OF O24-1144-001 TO BE PRINTED IN THIS AREA WHEN FILTER CRYSTAL CIRCUIT APPEARS IN THE SERVICE MANUAL SEE O24-1144-001



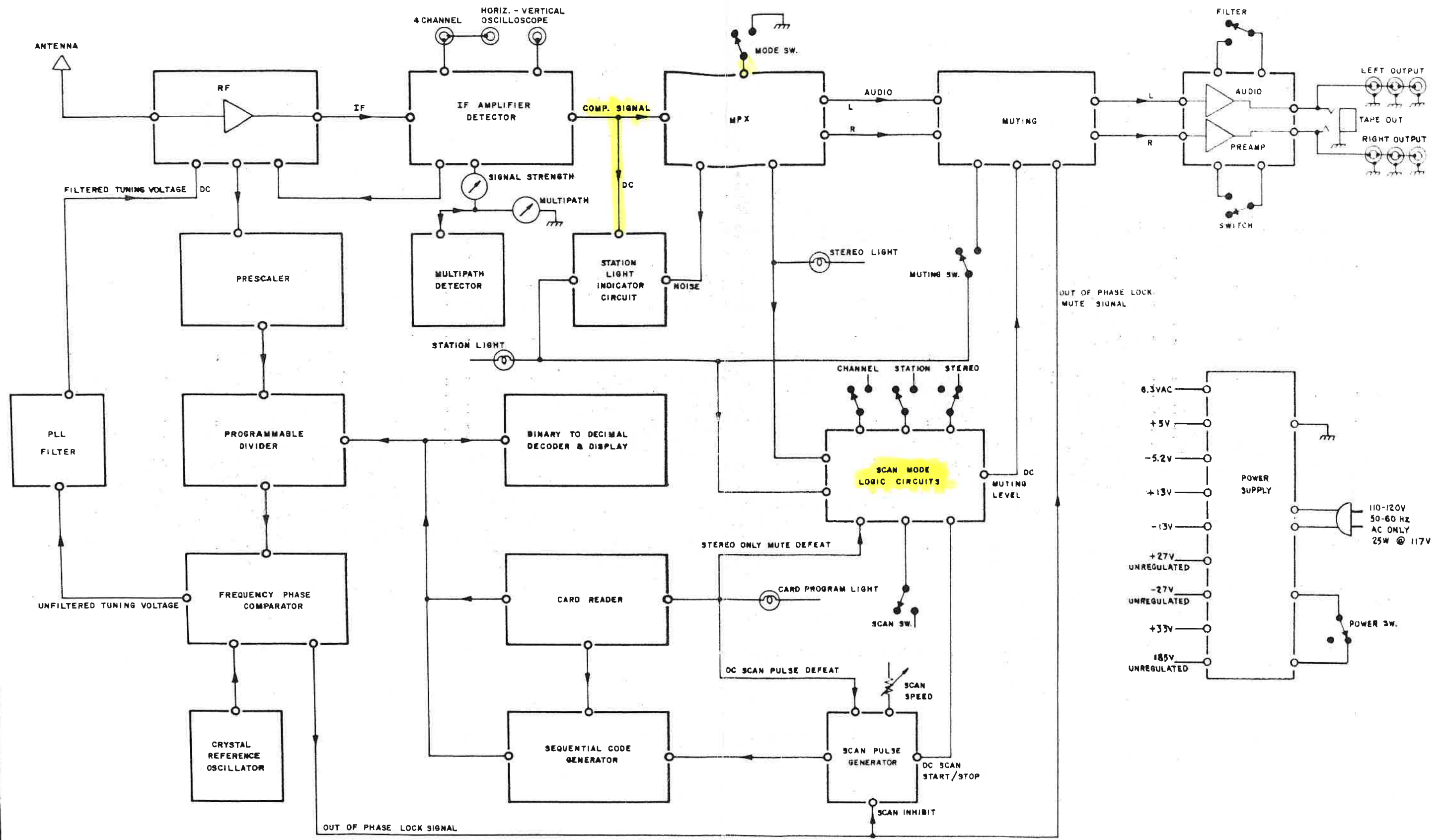
DUAL FILTER IF 100-1331-018

PC BOARD 019-1107-081

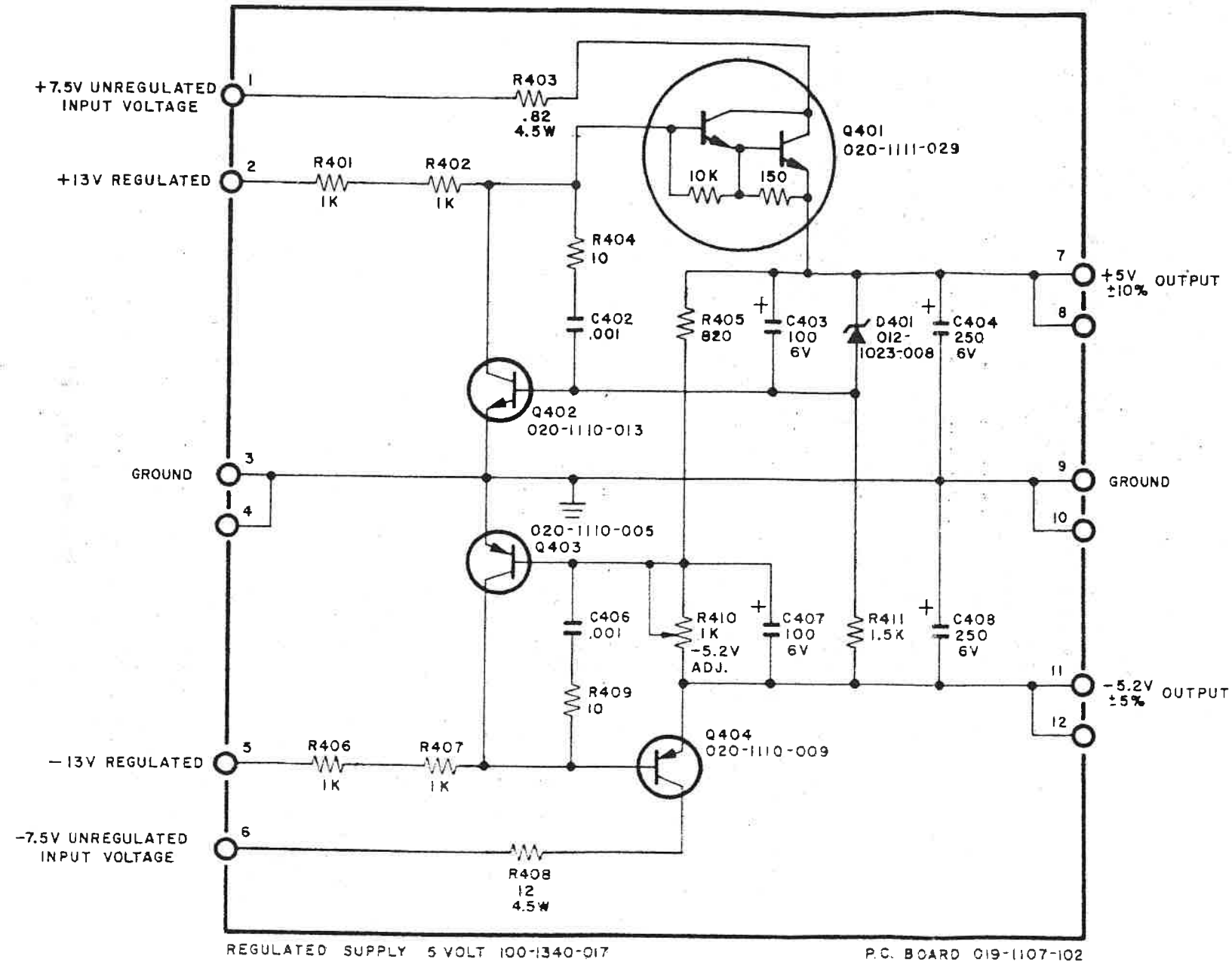
- NOTES
- UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MICROFARADS
 - HIGHEST SERIES R324, C337, D307, L308, IC-304, T-301, FL-302.
 - USE D307 IN PLACE OF L303 FOR SQUELCH, PIN 10
 - USE RESISTOR R323 WHEN SUPPLYING FRONT END FROM B+
 - COMPONENTS DELETED, R301, R302, R303, C302, C303, C304, C336.

CIRCUIT OF 6-POLE FILTER TO BE PRINTED IN THIS AREA WHEN IF CIRCUIT APPEARS IN THE SERVICE MANUAL SEE O24-1144-008.

REFER TO COMPONENT LABEL 019-1107-081/A



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

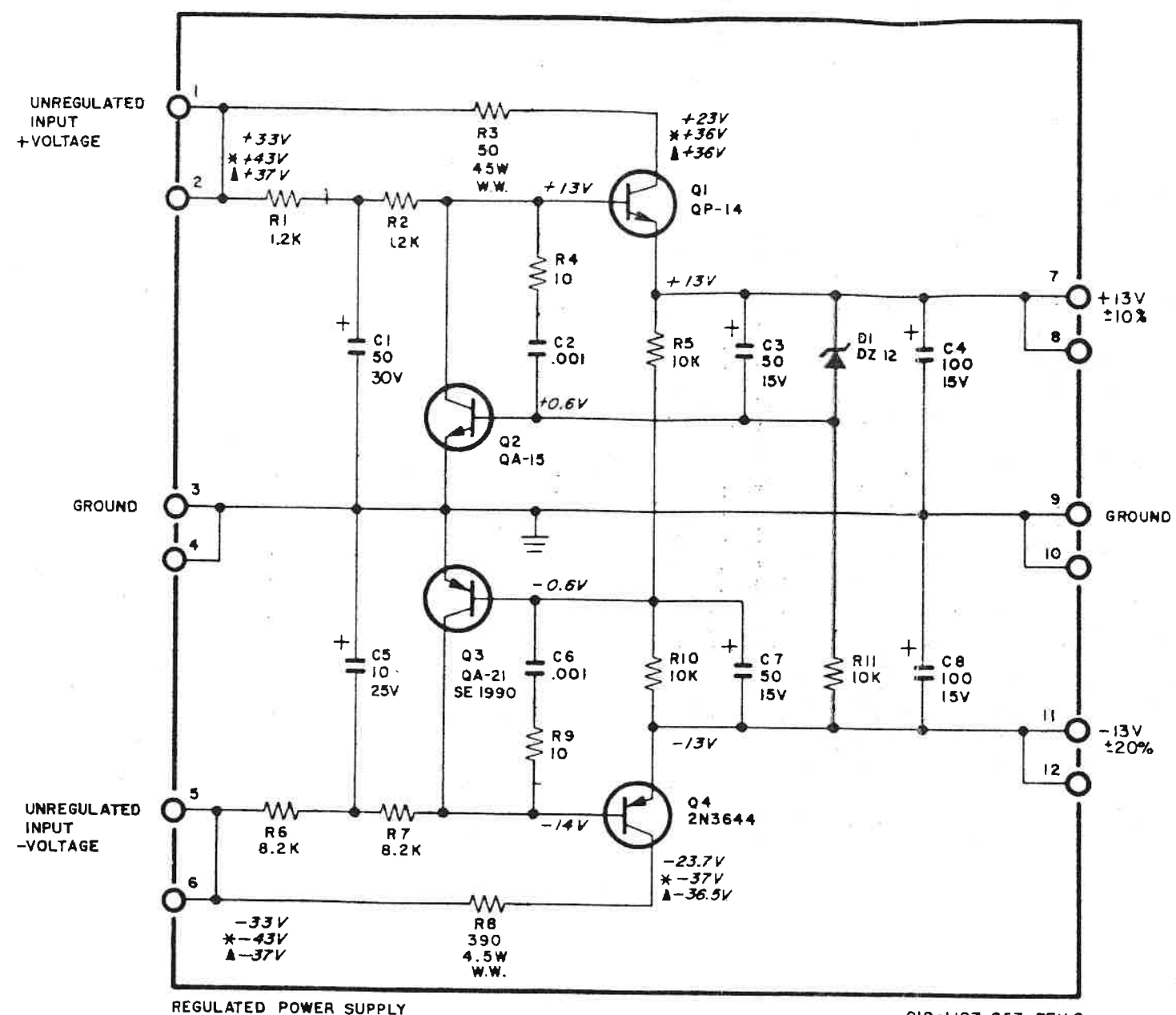
3. COMPONENTS DELETED ARE, C401, C405

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

REGULATED SUPPLY 5VOLT

SIZE C	DRWG. NO. 100-1340-017	REV. 2
DATE 5-13-71		

1	ECO 30401
2	ECO 3386
3	ECO 3639



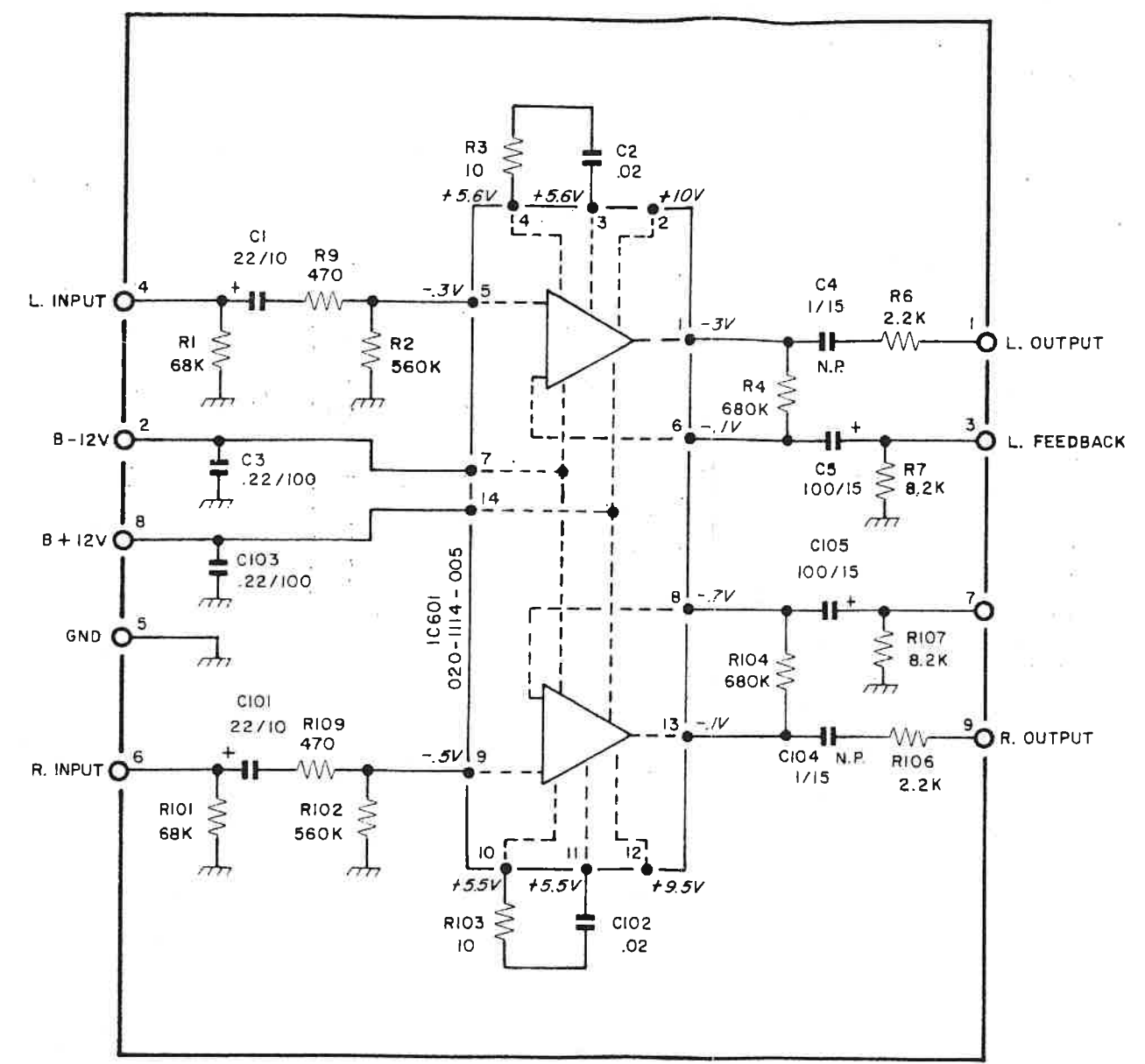
- NOTES:
- UNLESS OTHERWISE SPECIFIED: ALL RESISTANCE IN OHMS $\pm 10\%$, CAPACITANCE IN MFD'S, RESISTORS 1/4 WATT, AND VOLTS ARE D.C. $\pm 15\%$ MEASURED WITH 20K Ω /VOLT V.O.M.
 - HIGHEST SERIES NUMBERS: R11, C8, D1, Q4
 - UNREGULATED INPUT VOLTAGE RANGE $\pm(25V$ TO $44V)$
 - * INDICATES THE ONLY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

REVISIONS			
SYM	DESCRIPTION	DATE	APP
1
2
3
4



I. C. PREAMP

P.C. BOARD 019-1107-066 REV. 8

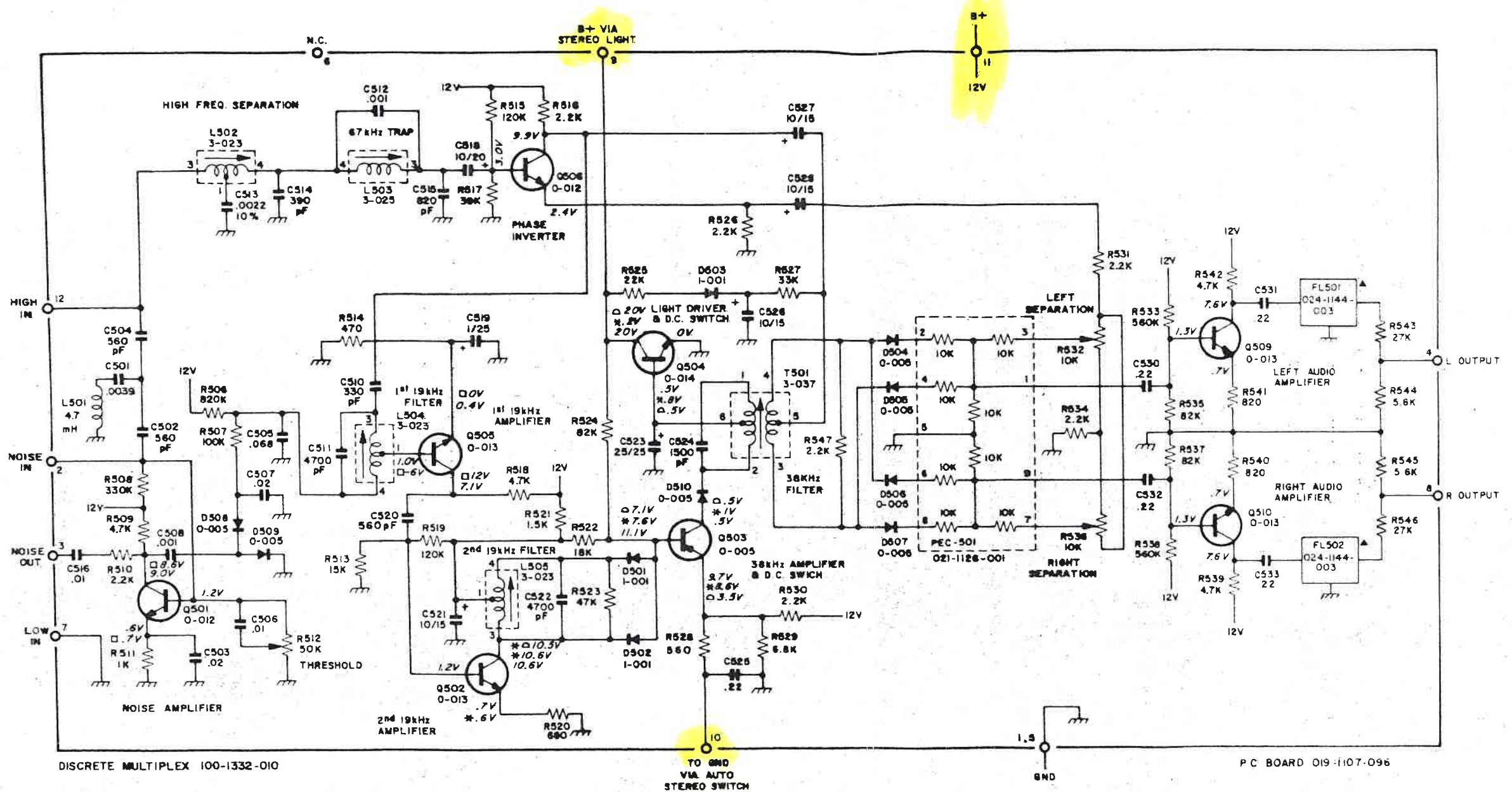
CIRCUIT OF 020-1114-005 TO BE PRINTED IN THIS AREA WHEN INTEGRATED CIRCUIT APPEARS IN THE SERVICE MANUAL. SEE 020-1114-Q05

- NOTES:
- UNLESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS, $\pm 10\%$, 1/4W CAPACITANCE IN MICROFARADS.
 - HIGHEST SERIES NUMBERS ARE: R9, R109, C5, C105, IC601.
 - VOLTAGES SHOWN DO NOT APPLY TO 2506-07.
 - COMPONENTS DELETED: R5, R105, R8, R108
 - REFER TO COMPONENT LABEL 019-1107-066/A
 - UNLESS OTHERWISE SPECIFIED, ALL VOLTAGES DC $\pm 15\%$ MEASURED WITH 20K Ω /V V.O.M.

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

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		NOT APPROVED FOR PRODUCTION		H.H. SCOTT, INC. MAYNARD, MASS.		
DRAFT	CPD	APPROVED ONLY FOR	PILOT	I C PREAMP		
ENG			SAMPLE	C	DWG. NO. 100-1333-019	
PROD			QUOTE	REV. 4	SCALE: --- SHEET 1 OF 1 DATE 9-27-72	
MATERIAL						
FINISH						

REV BOM	
1	ECC 16A
2	ECC 169A
3	ECC 3775
4	ECC 3846



DISCRETE MULTIPLEX 100-1332-010

PC BOARD 019-1107-096

- NOTES
- UNLESS OTHERWISE SPECIFIED, RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MFD'S.
 - ALL D.C. VOLTAGES ($\pm 15\%$) MEASURED WITH RESPECT TO CHASSIS GROUND, USING V.T.V.M. AT 117 VAC LINE, AND FM MONO SIGNAL FED INTO THE DEMODULATOR. AUTO-STEREO SWITCH OPEN.

*FM STEREO SIGNAL FED TO DEMODULATOR.
 □ OFF-STATION NOISE FED TO DEMODULATOR.
 ○ AUTO-STEREO SWITCH OPEN.

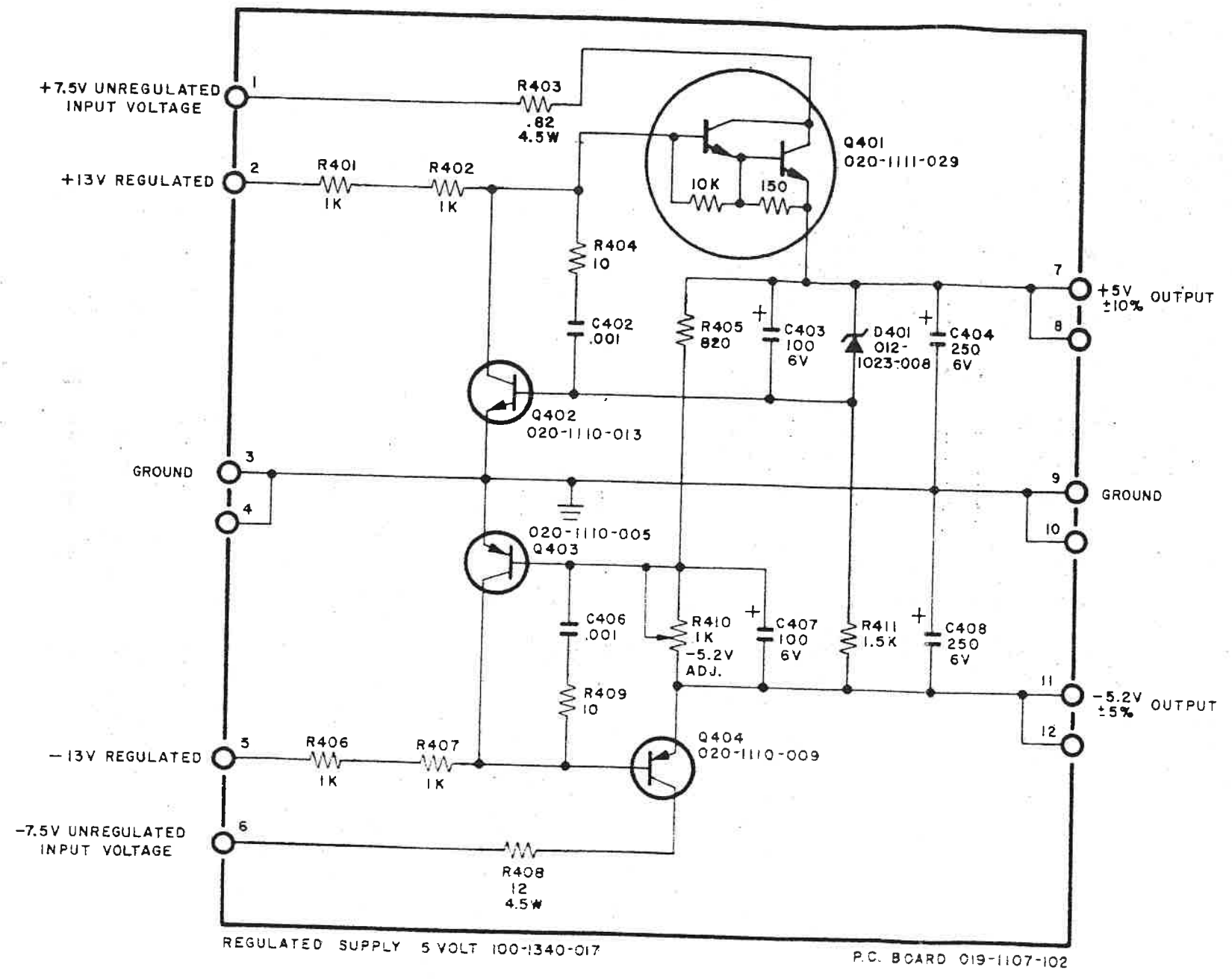
- ▲ 024-1144-007 FILTER (FL503) MAY BE SUBSTITUTED FOR THE TWO 024-1144-003 FILTERS (FL-501, FL-502).
- ALL L, T, D, AND Q NUMBERS ARE SHOWN BY THE LAST FOUR NUMBERS OF THEIR TEN DIGIT PART NUMBER PREFIX FOR EACH AS FOLLOWS: L IS 016-1093-..., D IS 012-1021-..., Q IS 020-1110-....
- HIGHEST SERIES NUMBERS ARE: R547, C534, D510, Q510, L505, T501, FL502, PEC-501
- COMPONENT NUMBERS DELETED/009: C509, C517, R501, R502, R503, R504, R506, Q507, Q508 — /010: C529, C534
- R547 TO BE SOLDERED TO BOTTOM SIDE OF BOARD BETWEEN PIN 3 AND PIN 4 OF T501 AS INDICATED.
- C534 TO BE SOLDERED TO BOTTOM SIDE OF BOARD ACROSS R520 AS INDICATED.

CIRCUIT OF 024-1144-003 TO BE PRINTED IN THIS AREA WHEN MULTIPLEX CIRCUIT APPEARS IN THE SERVICE MANUAL. SEE 024-1144-008

REFER TO COMPONENT LABELS FOR USE

APPROVED FOR PRODUCTION		HUSCOFF, INC.	
DATE	APPROVED BY	DATE	APPROVED BY
11/17/70	[Signature]	11/17/70	[Signature]
DISCRETE MULTIPLEX CIRCUIT		100-1332-010	

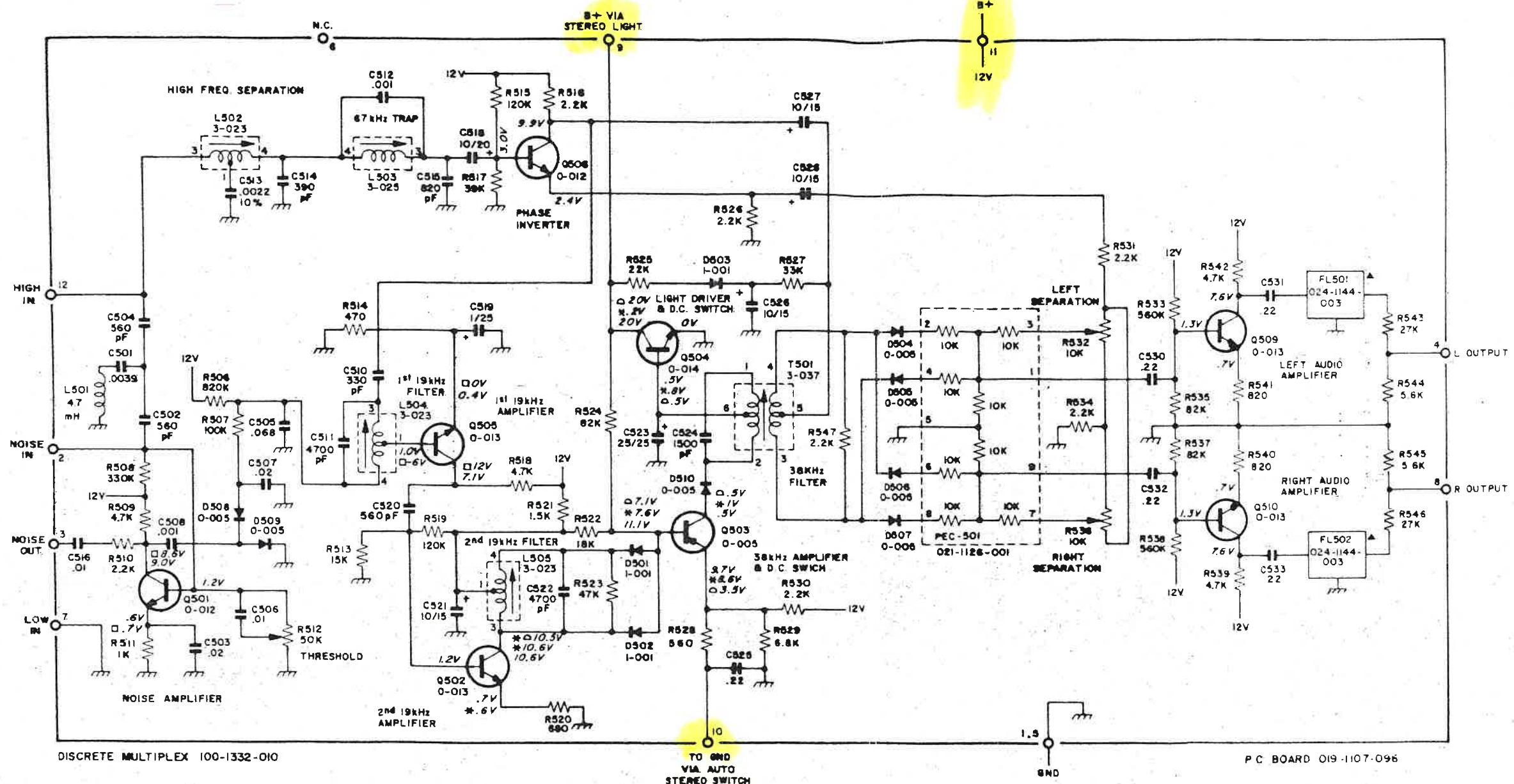
SYM	DESCRIPTION	DATE
1	ECO 3959A	6-1-71
2	ECO 3726A	7-3-71



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 DIMS. NO. 100-1340-017 2
 DATE 5-13-71

REV	DESCRIPTION	DATE
1	ECC 165	11/17/70
2	ECC 163B	11/17/70
3	ECC 3775	11/17/70
4	ECC 3846	11/17/70



DISCRETE MULTIPLEX 100-1332-010

P.C BOARD 019-1107-096

NOTES:

- UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MFD'S.
- ALL D.C. VOLTAGES ($\pm 15\%$) MEASURED WITH RESPECT TO CHASSIS GROUND, USING V.T.V.M AT 117VAC LINE, AND FM MONO SIGNAL FED INTO THE DEMODULATOR. AUTO-STEREO SWITCH OPEN.

* FM STEREO SIGNAL FED TO DEMODULATOR
 □ OFF-STATION NOISE FED TO DEMODULATOR
 ○ AUTO-STEREO SWITCH OPEN.

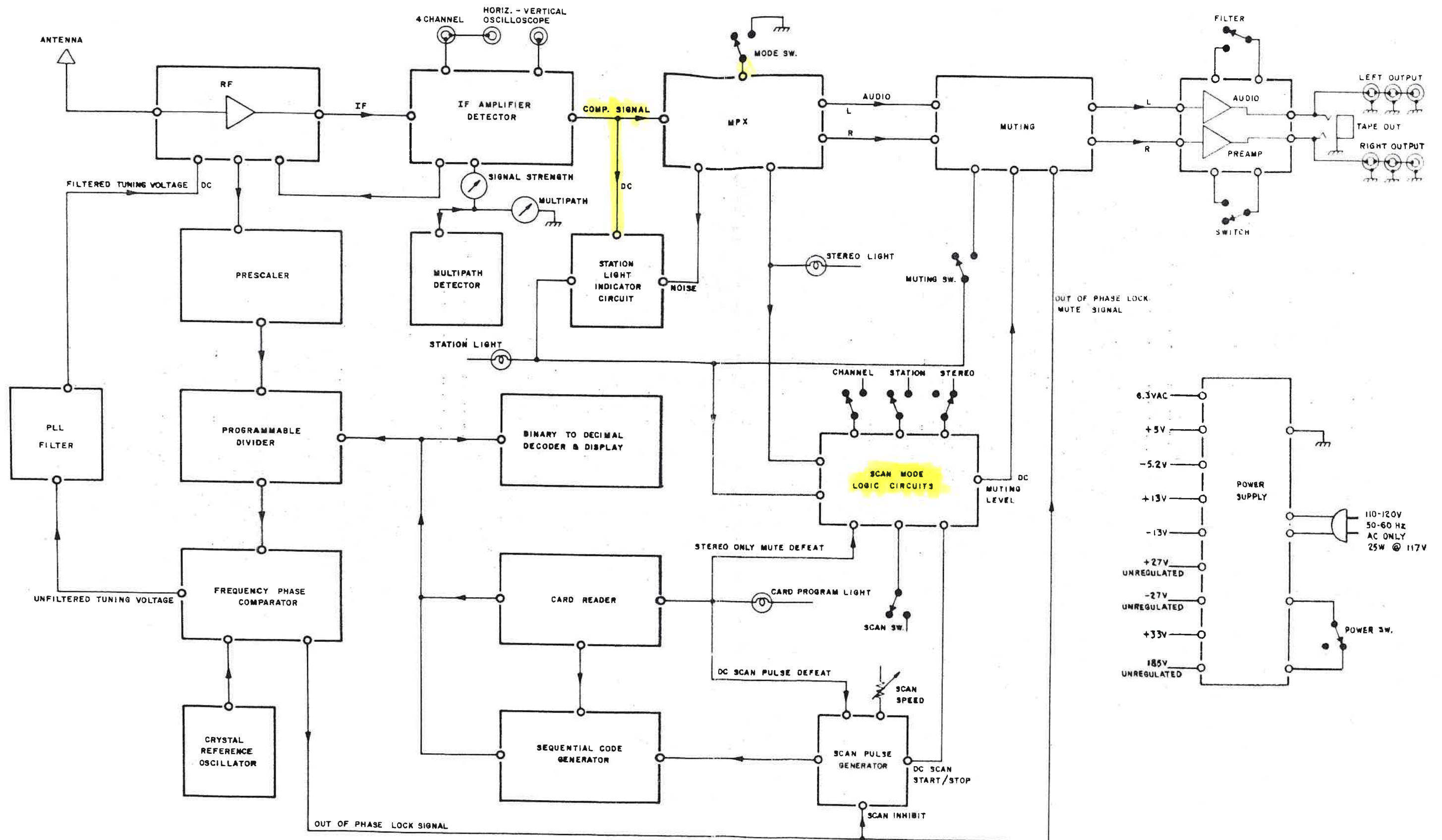
- ▲ 024-1144-007 FILTER (FL503) MAY BE SUBSTITUTED FOR THE TWO 024-1144-003 FILTERS (FL-501, FL-502).
- ALL L, T, D, AND Q NUMBERS ARE SHOWN BY THE LAST FOUR NUMBERS OF THEIR TEN DIGIT PART NUMBER PREFIX FOR EACH AS FOLLOWS: LBT ARE 0M-1093-..., D IS 012-1021-..., Q IS 020-1110-....
- HIGHEST SERIES NUMBERS ARE: R547, C534, D510, Q510, L506, T501, FL502, PEC-501
- COMPONENT NUMBERS DELETED/009: C509, C517, R501, R502, R503, R504, R505, Q507, Q508 - /010; C529, C534
- R547 TO BE SOLDERED TO BOTTOM SIDE OF BOARD BETWEEN PIN 3 AND PIN 4 OF T501 AS INDICATED.
- C534 TO BE SOLDERED TO BOTTOM SIDE OF BOARD ACROSS R520 AS INDICATED.

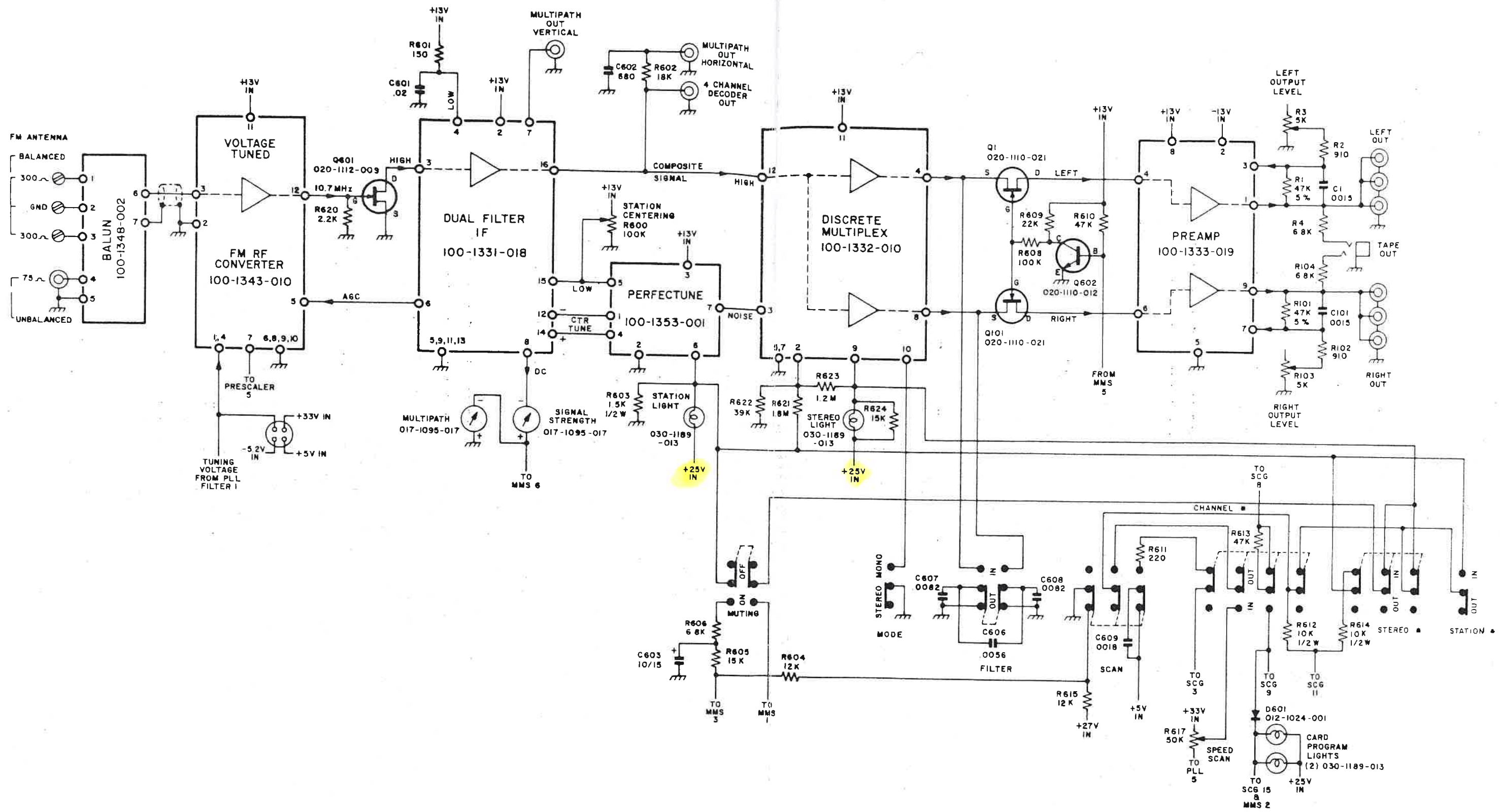
CIRCUIT OF 024-1144-003 TO BE PRINTED IN THIS AREA WHEN MULTIPLEX CIRCUIT APPEARS IN THE SERVICE MANUAL SEE 024-1144-003

REFER TO COMPONENT LABEL 019-1107-096-A

DESIGNED BY	DATE	APPROVED FOR PRODUCTION	REVISIONS
DRY	11/17/70	11/17/70	1
APPROVED BY	DATE	DATE	NO.

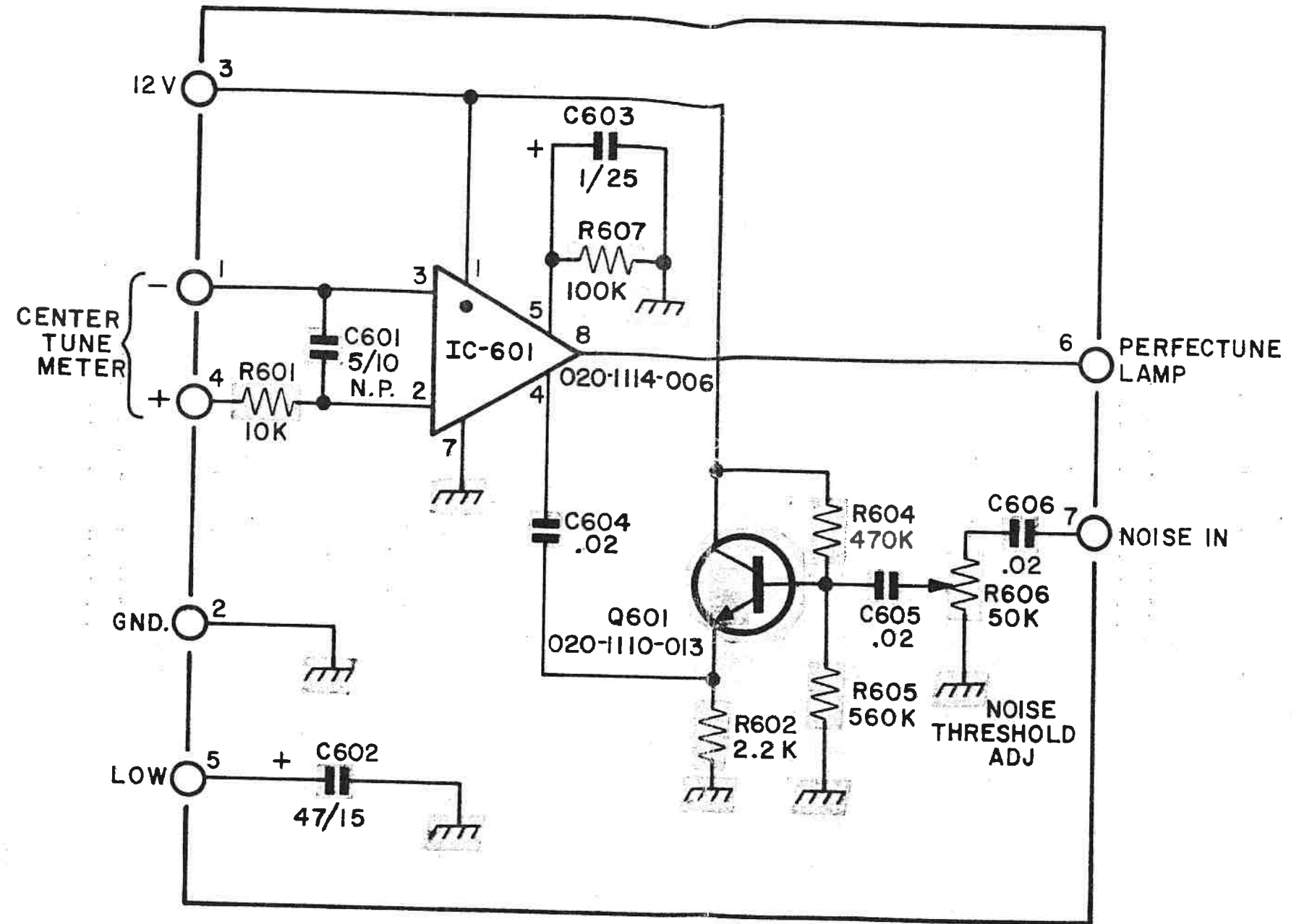
ROSCOTT, INC.
 MULTIPLEX CIRCUIT
 100-1332-010





NOT APPROVED FOR PRODUCTION				H H SCOTT, INC. MAYNARD, MASS.	
DRAFT D. MILLER	APPROVED ONLY FOR	PILOT	DATE 11-18-71	CIRCUIT DIAGRAM	
SHEET 1 of 3				REV D	433-C1

REVISIONS			
SYM	DESCRIPTION	DATE	APPR.



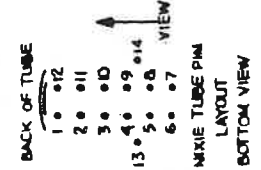
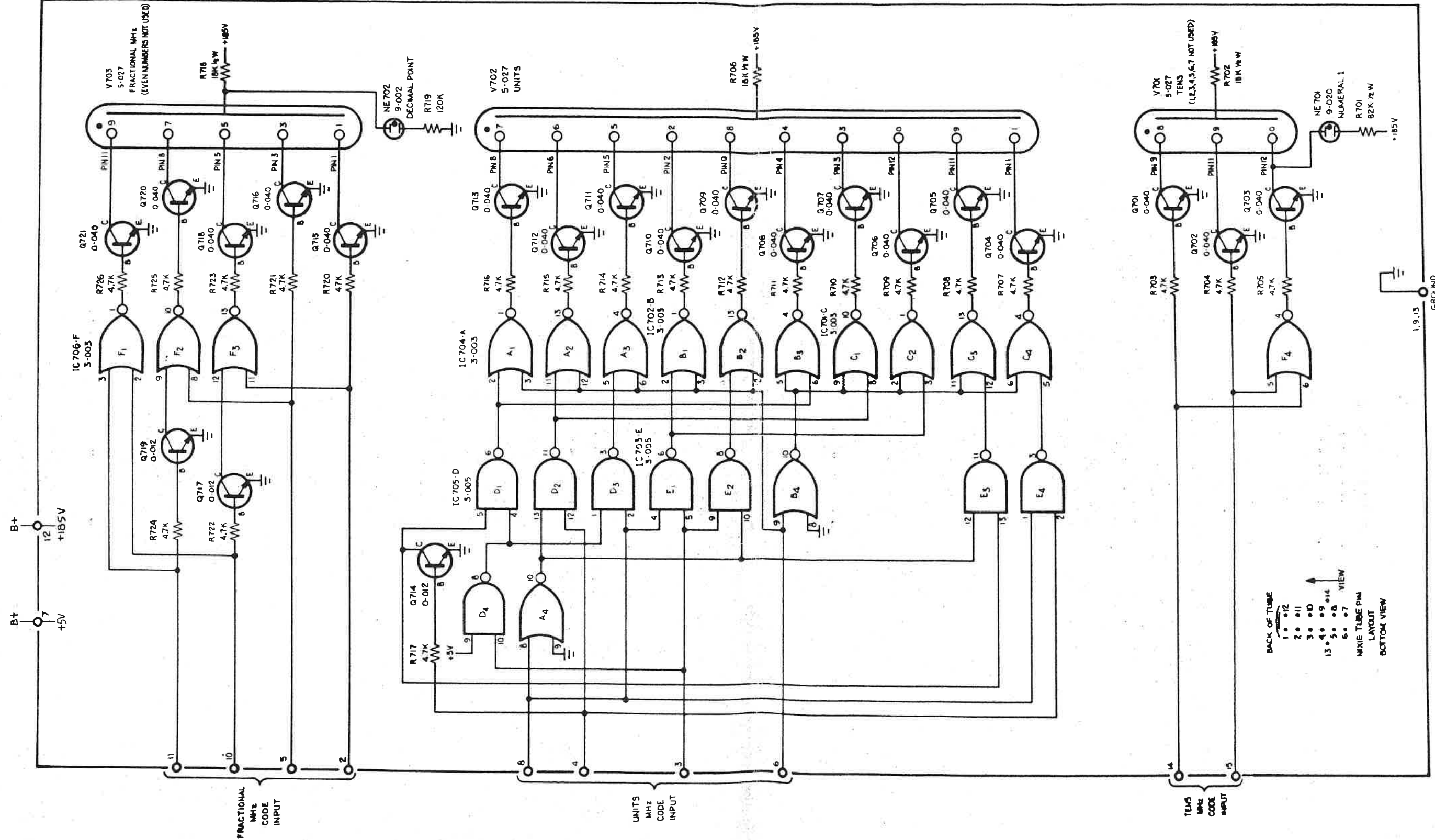
PERFECTUNE 100-1353-001

PC BD 019-1107-093

NOTES:

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

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

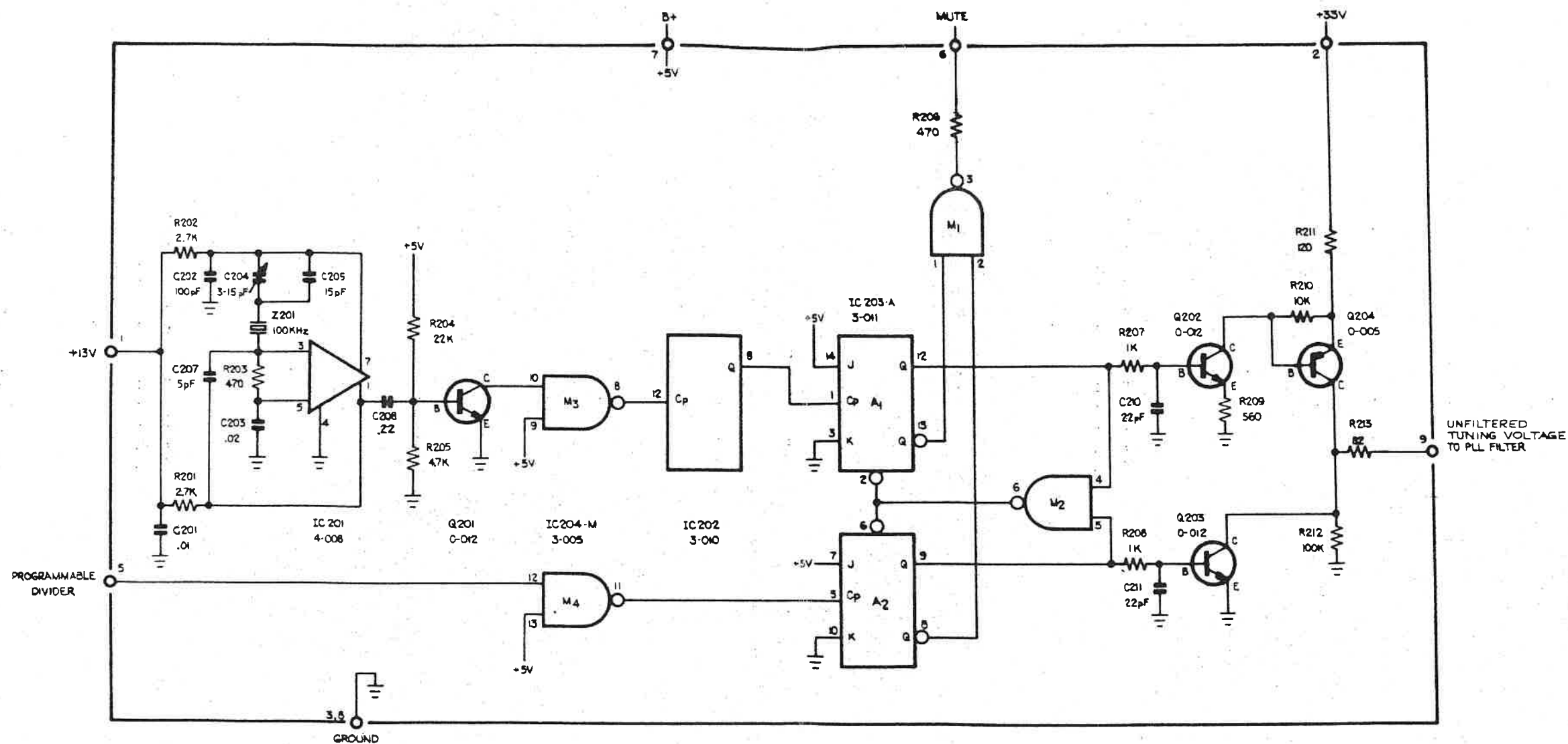


PC BOARD 019-1107-098

DECODER AND DISPLAY 100-1356-005

NOTES:
 1. UNLESS OTHERWISE SPECIFIED, RESISTANCE IN OHMS, 20%, 1/4 WATT, CAPACITANCE IN MFD'S
 2. ALL IC, Q, NE V PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS OF THEIR TEN DIGIT PART NUMBERS.
 PREFIXES ARE: IC & Q = 020-111-...; NE = 030-110-...; V = 025-114-...
 3. HIGHEST SERIES NUMBERS ARE: IC706, Q721, V703, NE702, R726.

APPROVED FOR PRODUCTION		H H SCOTT, INC. MAYNARD, MASS.	
DESIGNER	DATE	PILOT	DECODER AND DISPLAY CIRCUIT
APPROVED	DATE	DATE	100-1356-005



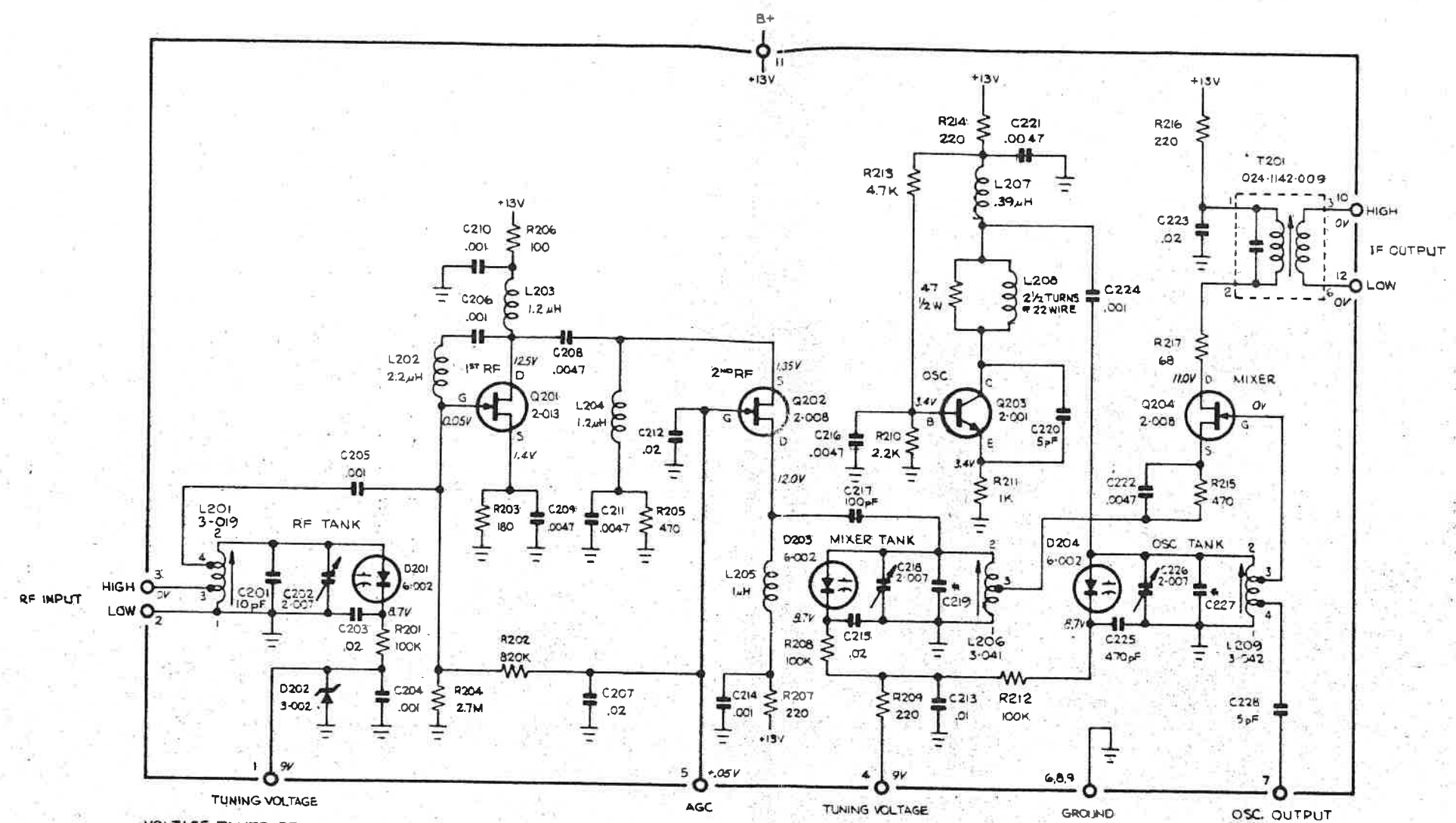
PHASE-FREQUENCY COMPARATOR 100-1356-002

NOTES:

1. UNLESS OTHERWISE SPECIFIED: RESISTANCE IN OHMS $\pm 10\%$ $\frac{1}{4}$ WATT; CAPACITANCE IN MFD'S.
2. ALL IC & Q PART NUMBERS ARE SHOWN BY THE LAST FOUR DIGITS OF THEIR TEN DIGIT PART NUMBERS. THE PREFIX FOR BOTH IS Q20-111-.....
3. HIGHEST SERIES NUMBERS ARE: IC204, Q204, Z201, R213, C211.
4. IC202, IC204: VCC PIN 14, GND. PIN 7.
IC203: VCC PIN 11, GND. PIN 4.
5. COMPONENTS DELETED: C206, C209.

PC BOARD 019-1107-101

APPROVED FOR PRODUCTION		H.H. SCOTT, INC. MAYNARD, MASS.	
DESIGNER D.L. AC	APPROVED D.L. AC	DATE 4.12.71	PHASE-FREQUENCY COMPARATOR CIRCUIT
SHEET 1 OF 1			REV. NO. 100-1356-002



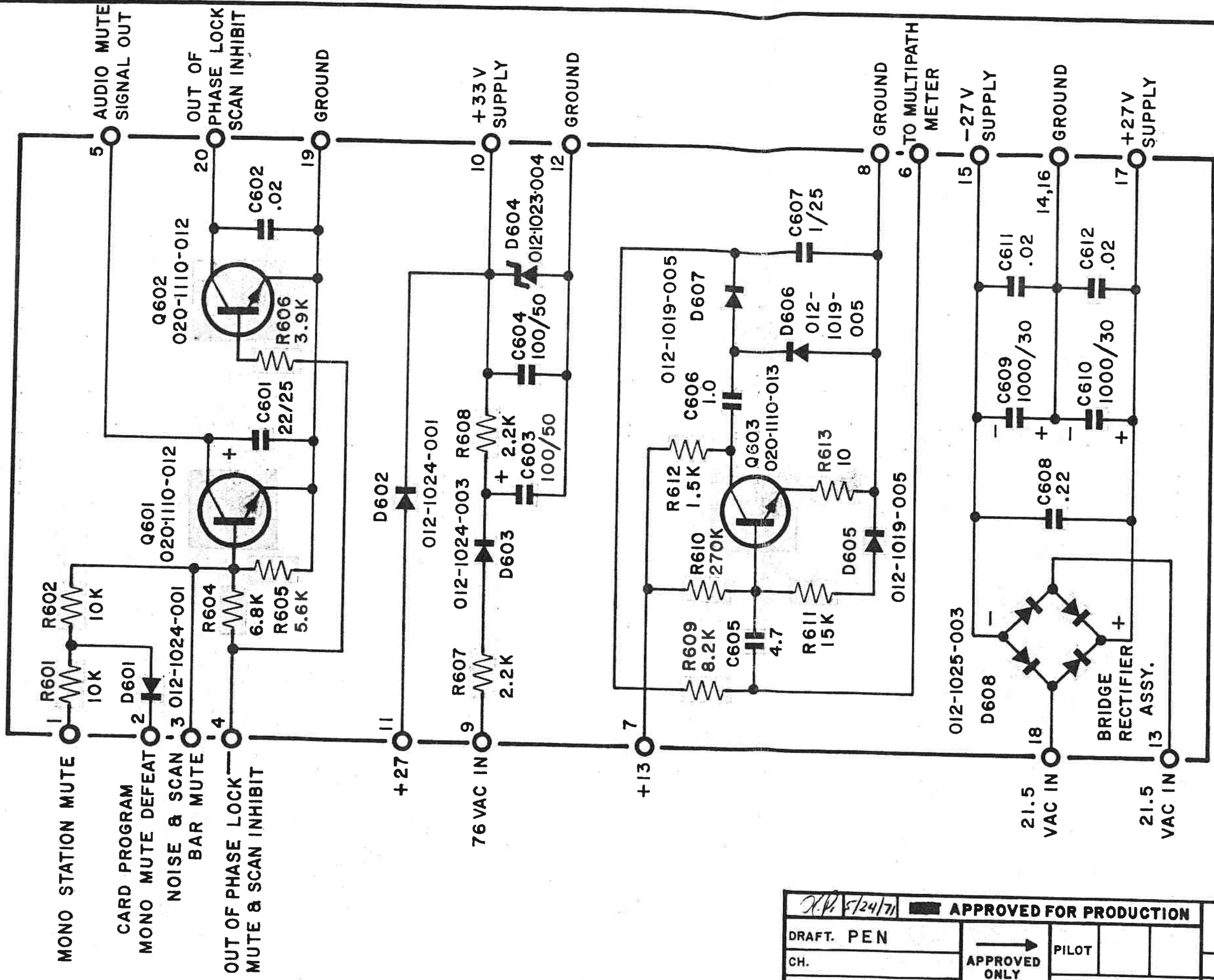
VOLTAGE TUNED RF MODULE 100-1343-010
PC BOARD 019-1107-095

NOTES:

1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS ±10% 1/4 WATT, CAPACITANCE IN MFD'S.
2. ALL DC VOLTAGES (±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.

2/14/71		APPROVED FOR PRODUCTION		R. H. S. CO. INC.	
DRAFT	DATE	APPROVED	DATE	VOLTAGE TUNED RF MIXER CIRCUIT	
1		100	7-19-71	100-1343-010	



MULTIPATH-MUTING-SUPPLY
100-1346-004

PC BOARD 019-1107-105

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

J.P. 5/24/71 **APPROVED FOR PRODUCTION**

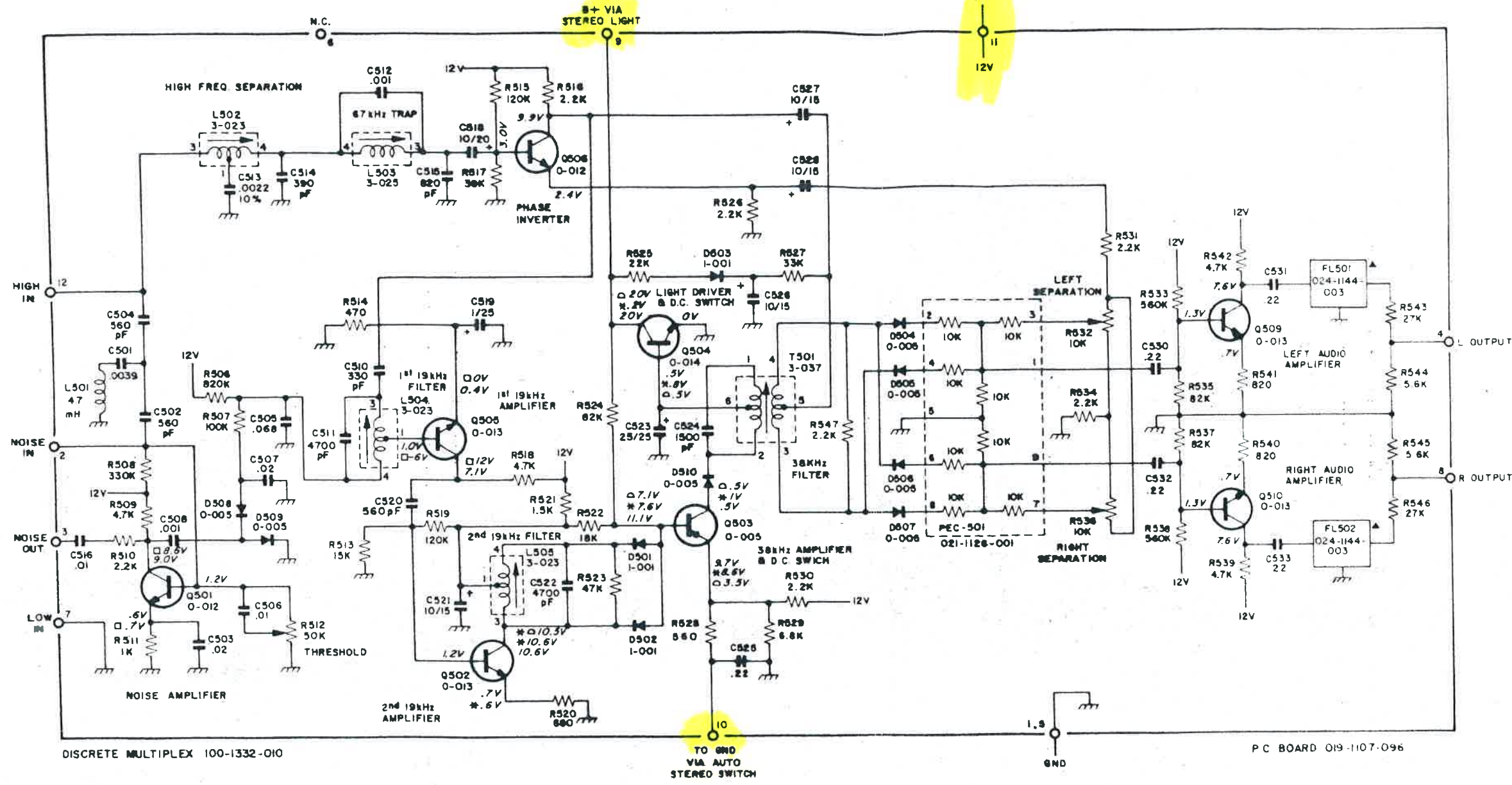
DRAFT. PEN	APPROVED ONLY FOR	PILOT	
CH.		DATE 5-4-71	
SHEET 1 OF 1			

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

MULTIPATH-MUTING-SUPPLY

SIZE **B** DWG. NO. **100-1346-004** REV. **1**

REV	DESCRIPTION	DATE
1	ECO 163A	
2	ECO 163B	
3	ECO 3775	
4	ECO 3646	



NOTES

1. UNLESS OTHERWISE SPECIFIED; RESISTANCE IN OHMS $\pm 10\%$ 1/4 WATT, CAPACITANCE IN MFD'S.
2. ALL D.C. VOLTAGES ($\pm 5\%$) MEASURED WITH RESPECT TO CHASSIS GROUND, USING V.T.V.M. AT 117VAC LINE, AND FM MONO SIGNAL FED INTO THE DEMODULATOR. AUTO-STEREO SWITCH OPEN.

* FM STEREO SIGNAL FED TO DEMODULATOR
 □ OFF-STATION NOISE FED TO DEMODULATOR
 ○ AUTO-STEREO SWITCH OPEN

3. Δ 024-1144-007 FILTER (FL503) MAY BE SUBSTITUTED FOR THE TWO 024-1144-003 FILTERS (FL-501, FL-502)
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: LBT ARE 0M-1003-..., D IS 012-1021-..., Q IS 020-1110-...
5. HIGHEST SERIES NUMBERS ARE: R547, C534, D510, Q510, L505, T501, FL502, PEC-501
6. COMPONENT NUMBERS DELETED/009: C509, C517, R501, R502, R503, R504, R506, Q507, Q508 - /010, C529, C534
7. R547 TO BE SOLDERED TO BOTTOM SIDE OF BOARD BETWEEN PIN 3 AND PIN 4 OF T501 AS INDICATED.
 C534 TO BE SOLDERED TO BOTTOM SIDE OF BOARD ACROSS R520 AS INDICATED.

CIRCUIT OF 024-1144-003 TO BE PRINTED IN THIS AREA WHEN MULTIPLEX CIRCUIT APPEARS IN THE SERVICE MANUAL
 SEE 024-1144-005

REFER TO COMPONENT LABEL 019-1107-096-4

100-1332-010	DESIGN APPROVED FOR PRODUCTION	ROSCOFF INC.
DRAWN BY	APPROVED BY	MULTIPLY MULTIPLEX CIRCUIT
DATE	DATE	100-1332-010