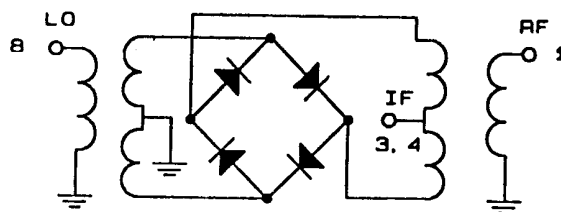




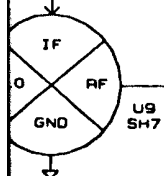
Blank Page

Don't Forget To Delete Me!

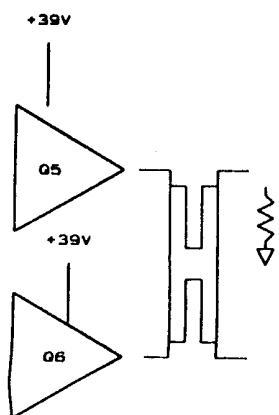


SSM-2-01 MIXER

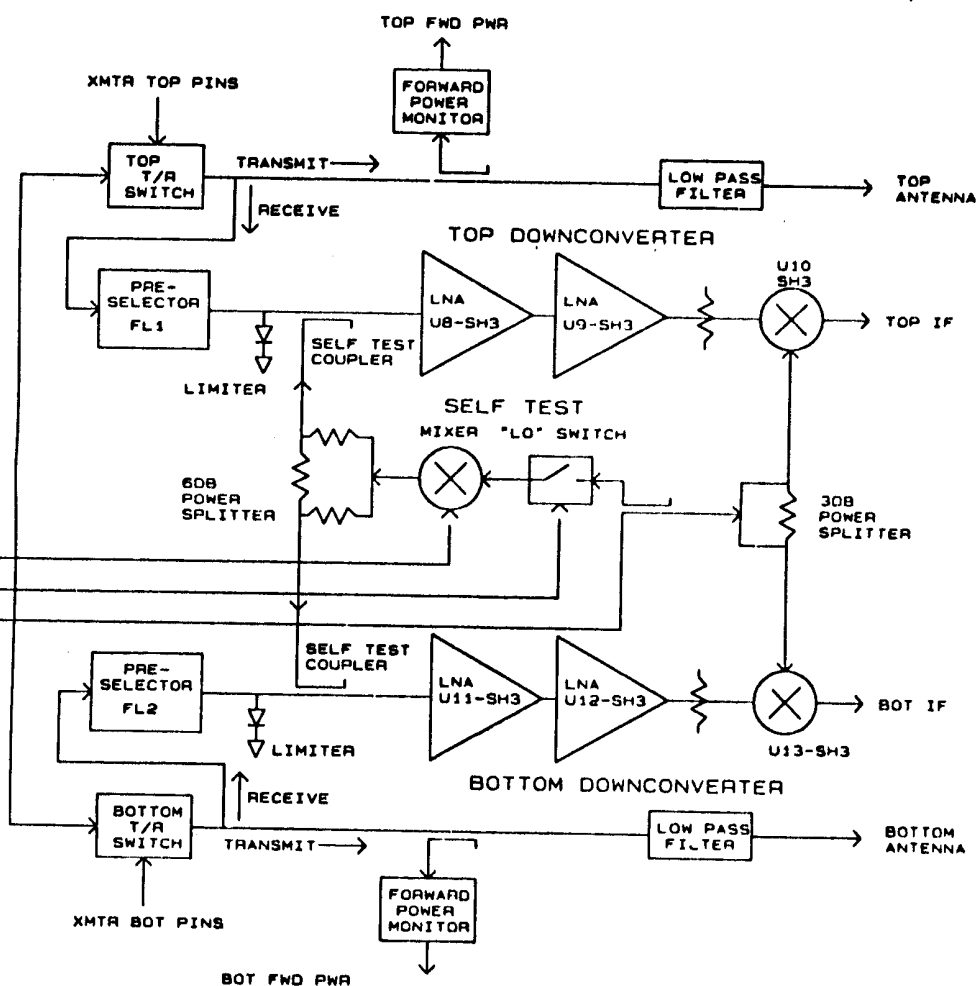
PINS 2, 5, 6 AND 7 ARE GROUNDED.



ST 60MHZ MODLTD



ST 60MHZ MODLTD
ST ENABLE

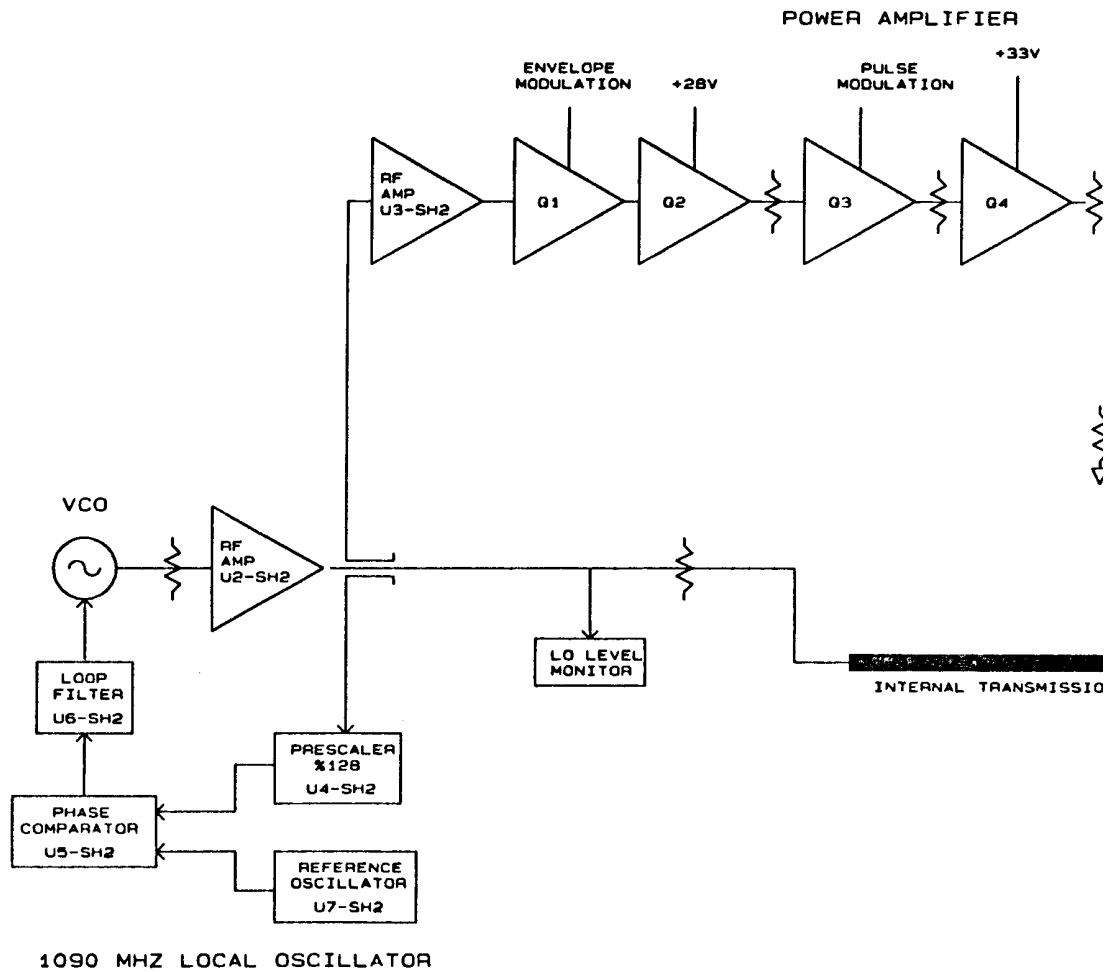
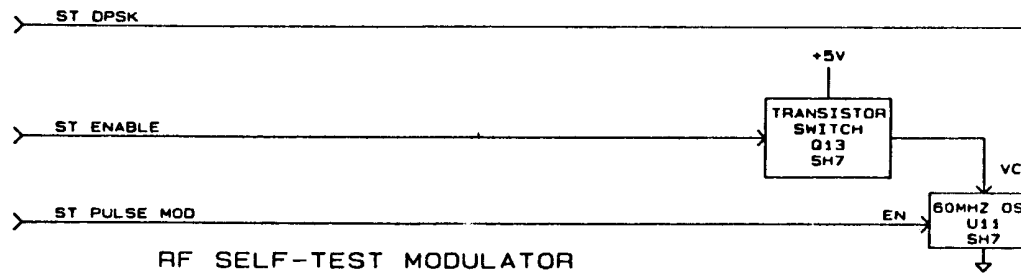


DUPLEXER/DOWNCONVERTERS/SELF TEST

BLOCK DIAGRAM

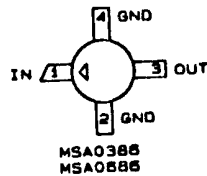
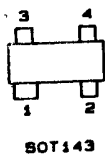
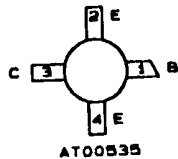
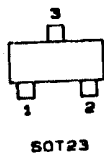
SCHEMATIC DIAGRAM SHEET NO. 13

COMPUTER GENERATED



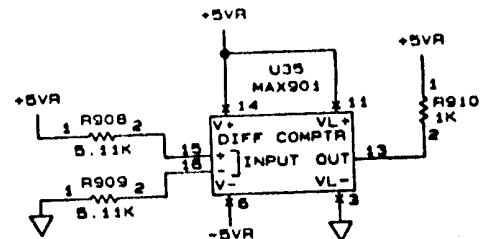
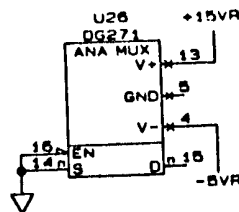
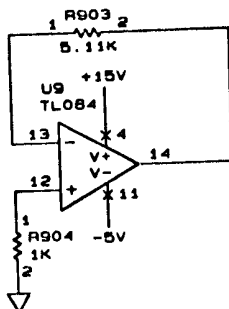
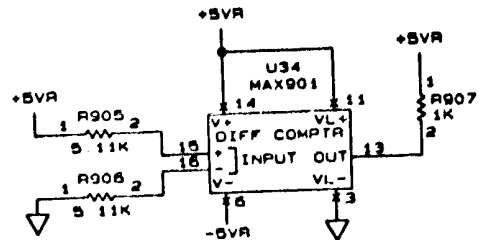
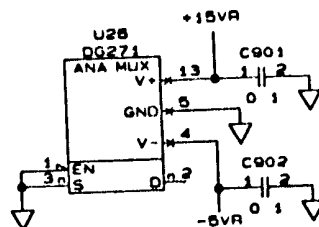
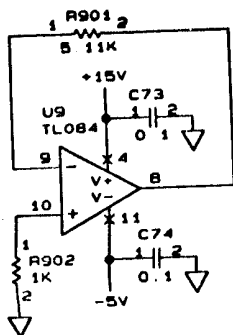
REDUCED SIZE
DO NOT SCALE

PINOUTS OF SMT DEVICES

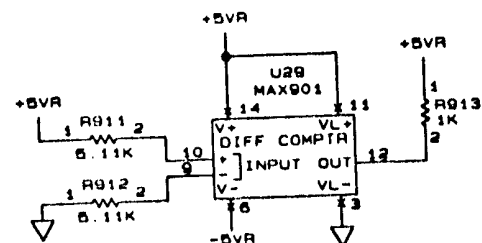


COMMON LABELS ON TOP OF SMT DEVICES ON TRANSMITTER/RECEIVER CCA

PART NAME	LABEL
BAS16	AB
BAR18	SF, D76
BSR14	U8
BSR16	T8
BBY31	S1
HSMP3800	D0
HSMP3820	F0
CGY50	G2
MSA0388	A03
MSA0588	A06
AT00535	NONE

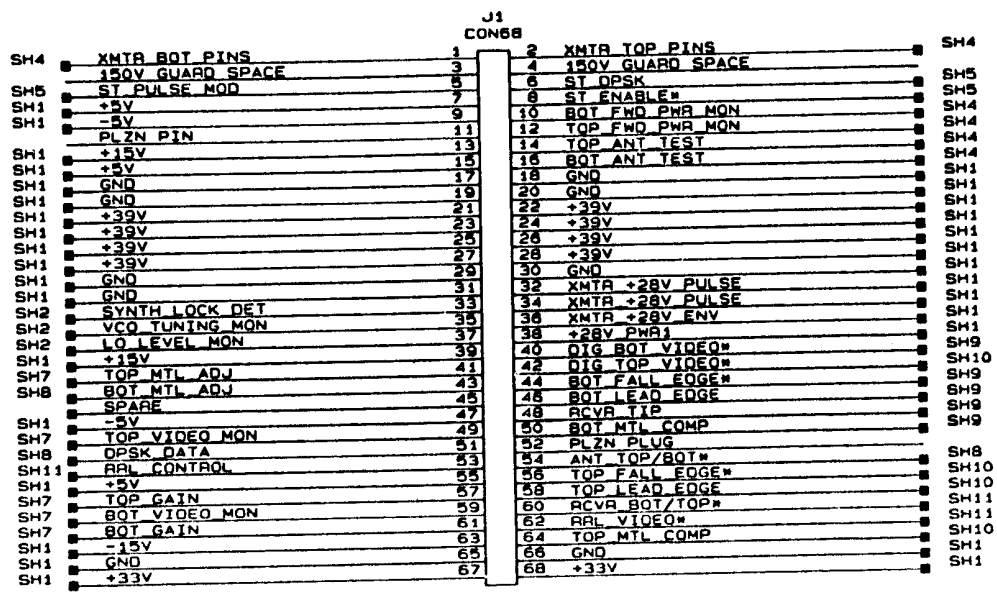


SPARES

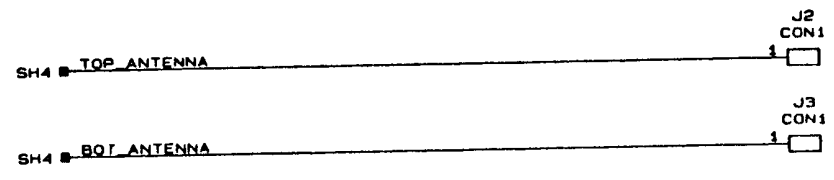


CONNECTOR PIN SUMMARY
AND SPARE COMPONENTS
CAD REFERENCE/REQUIREMENT
SCHEMATIC DIAGRAM SHEET NO. 12

COMPUTER GENERATED

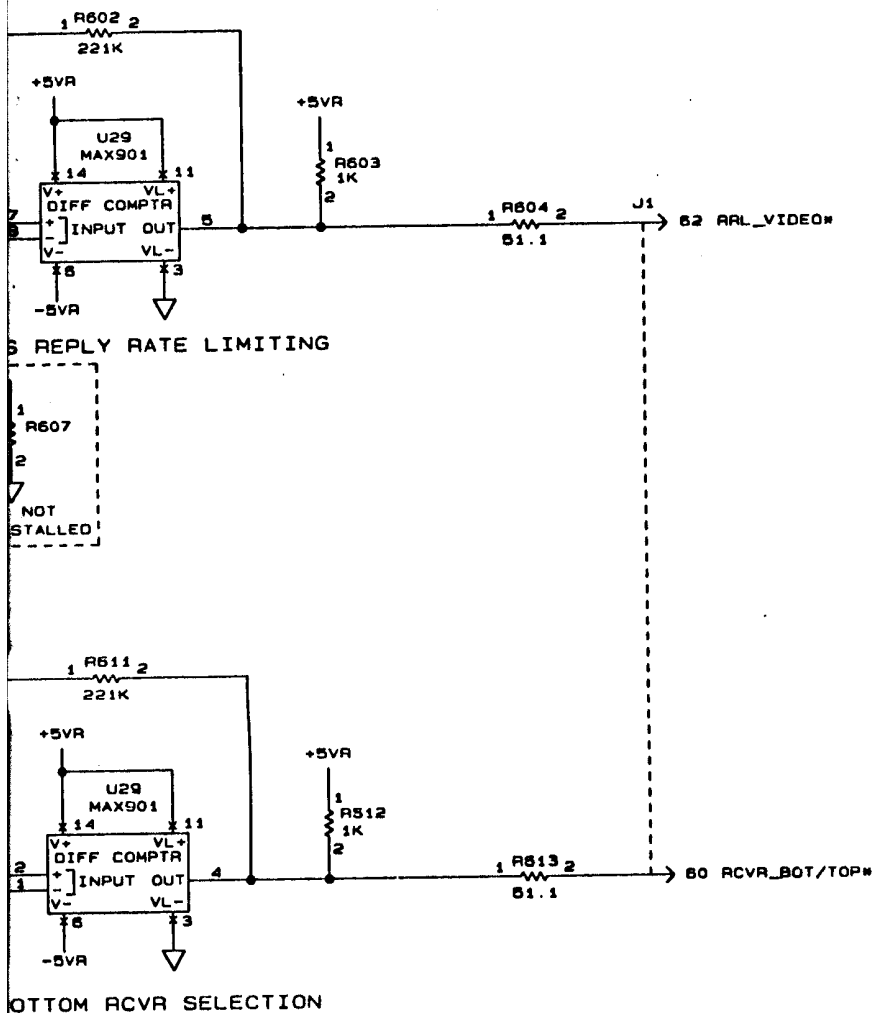


TRANSMITTER/RECEIVER TO POWER SUPPLY/MODULATOR INTERCONNECT



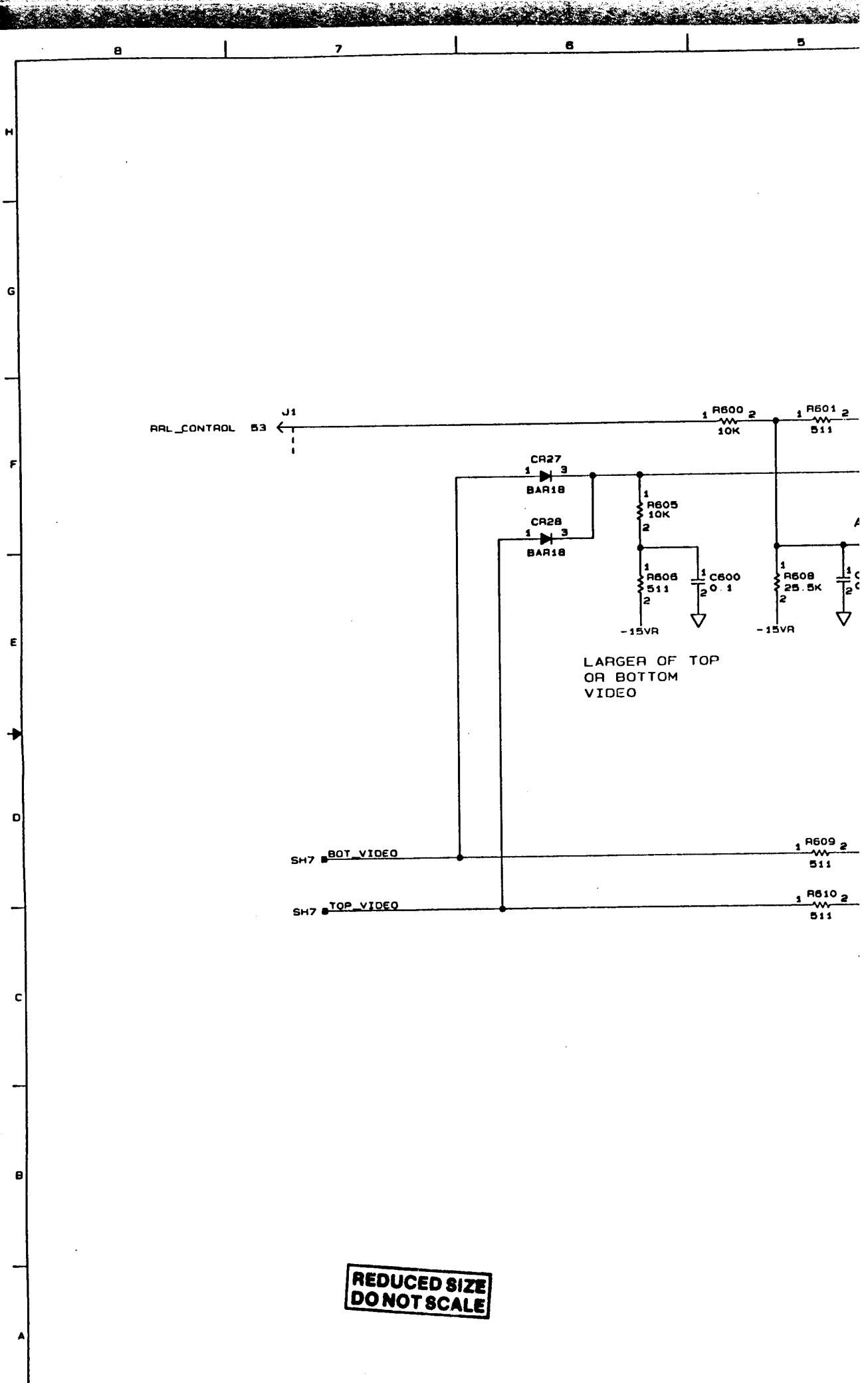
REDUCED SIZE
DO NOT SCALE

4		3		2		1	
						REVISIONS	
ZONE	REV	DESCRIPTION		DATE		APPROVED	



ATCRBS REPLY RATE LIMITING/TOP &
 BOT RCVR SELECTION
 SCHEMATIC DIAGRAM SHEET NO. 11

COMPUTER GENERATED



REDUCED SIZE
DO NOT SCALE

REVISIONS			
TIME	REV	DESCRIPTION	DATE

TCRBS
TCRBS/

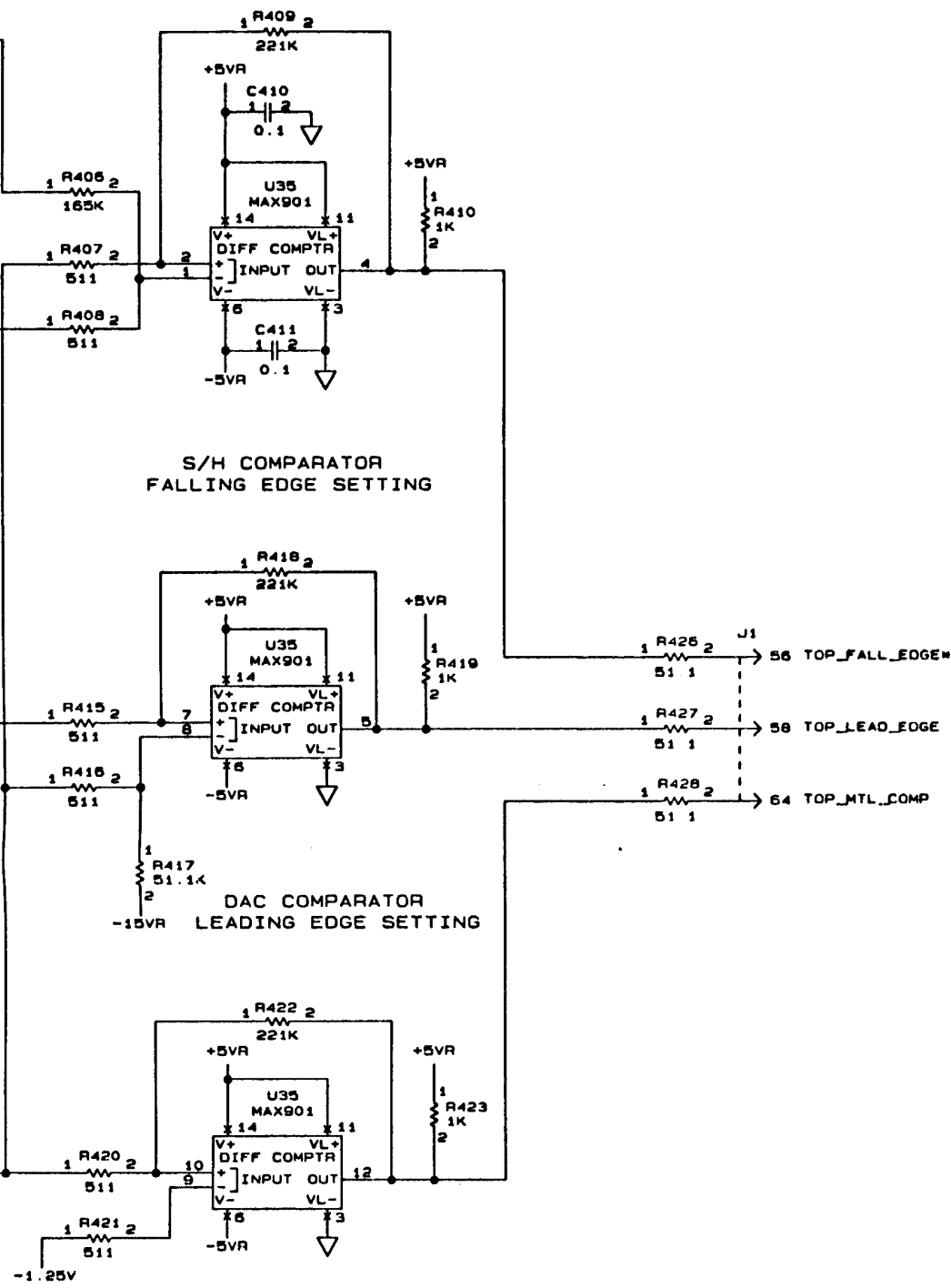
NOT
INSTALLED

415
000PF

S/H COMPARATOR
FALLING EDGE SETTING

DAC COMPARATOR
LEADING EDGE SETTING

MTL COMPARATOR



TOP VIDEO PROCESSOR

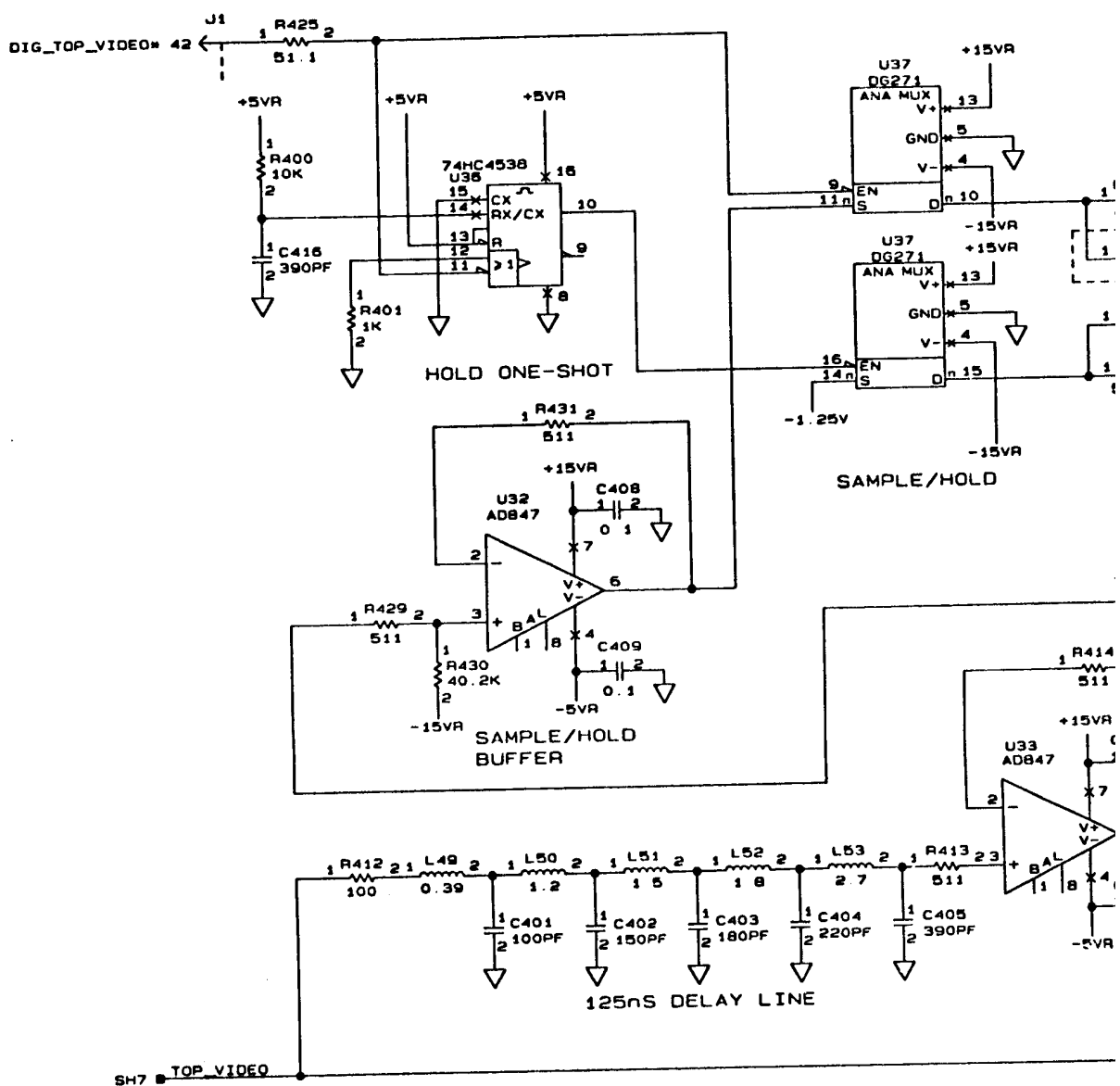
SCHEMATIC DIAGRAM SHEET NO. 10

COMPUTER GENERATED

H
G
F
E
D
C
B
A

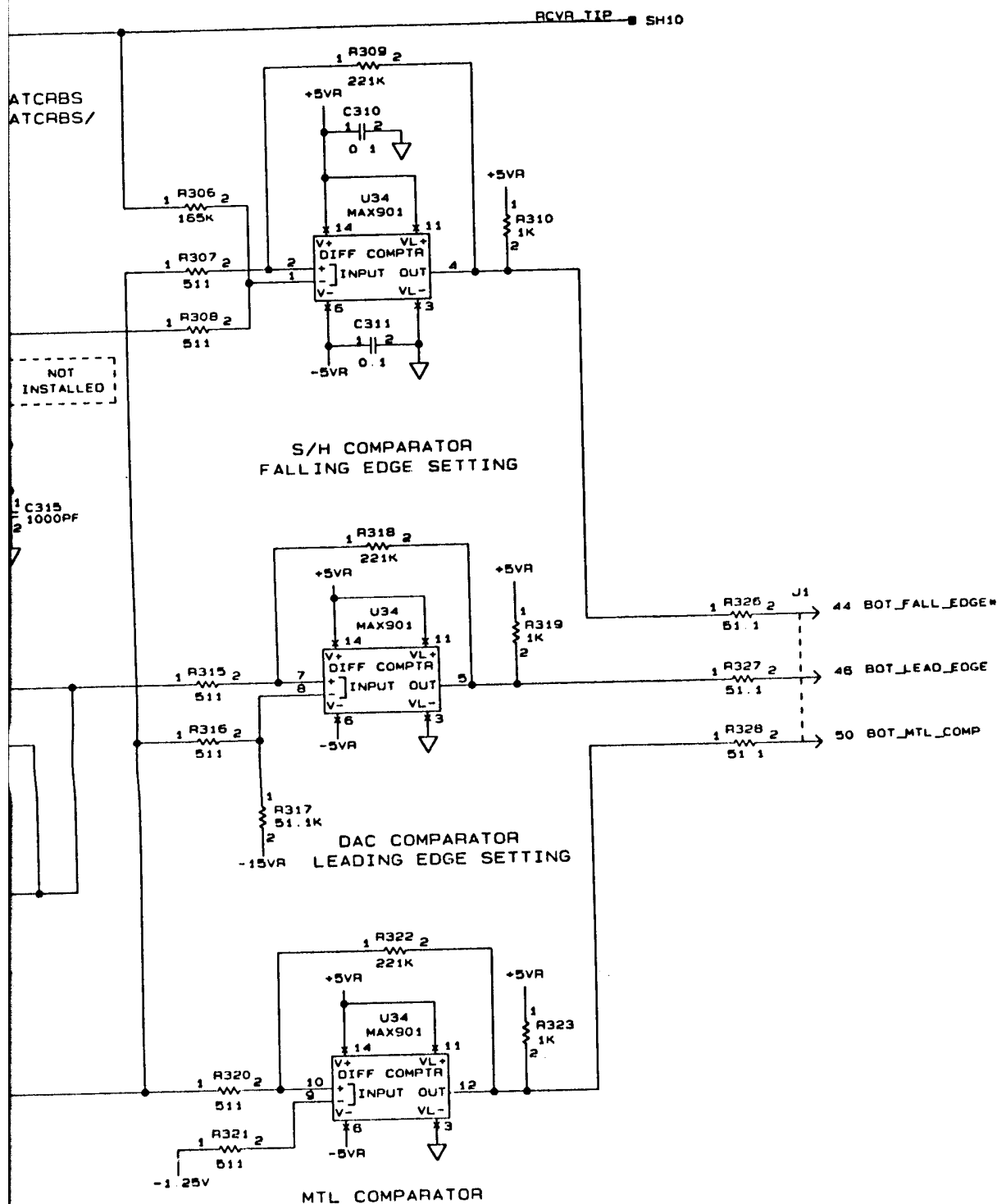
SH9 RCVR_TIP

P1 TO P2 COMPAR
P3 TO P4 COMPAR
MODE S ALLCALL



TOP VIDEO PROCESSOR

REDUCED SIZE
DO NOT SCALE

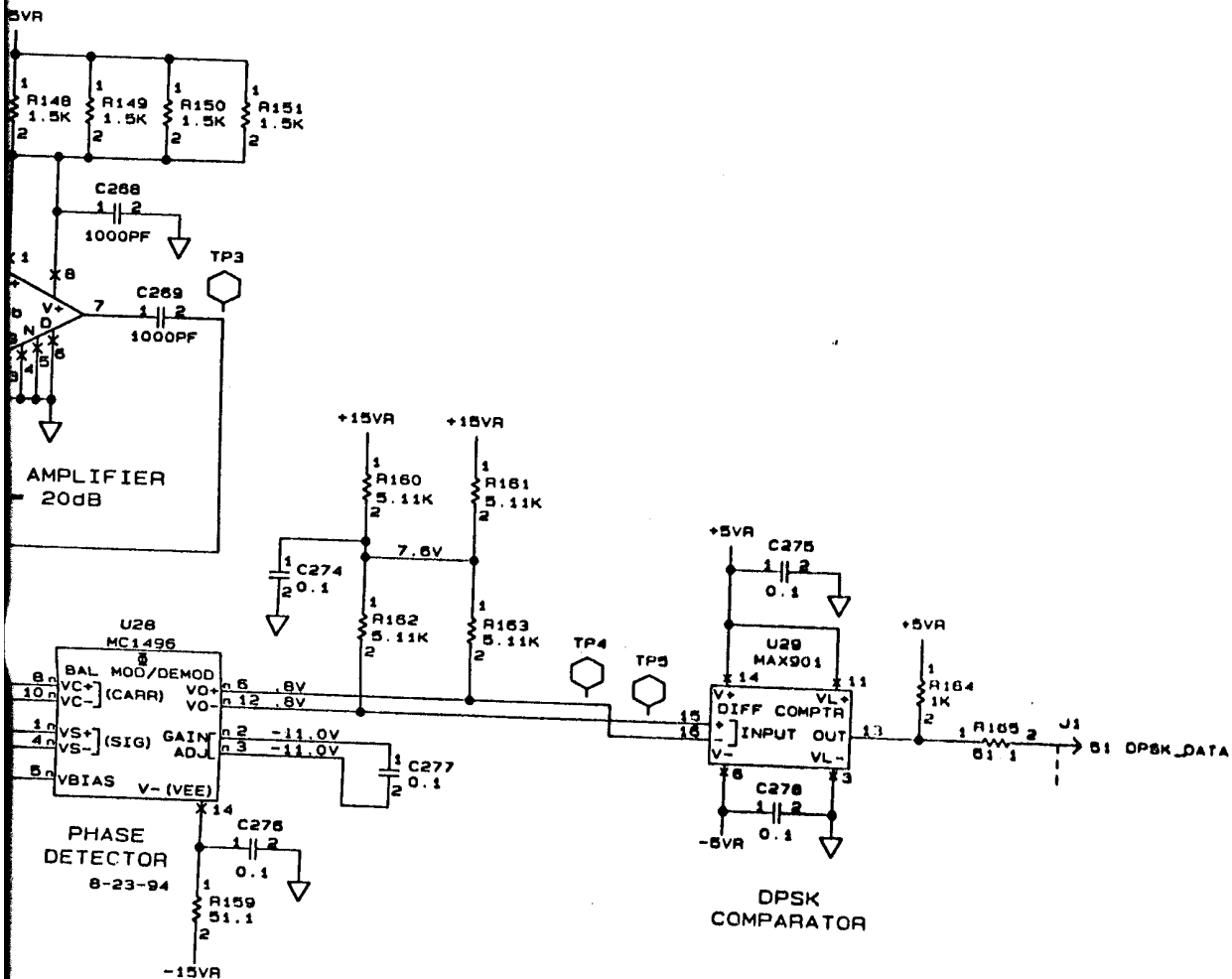


BOT VIDEO PROCESSOR

SCHEMATIC DIAGRAM SHEET NO. 9

COMPUTER GENERATED

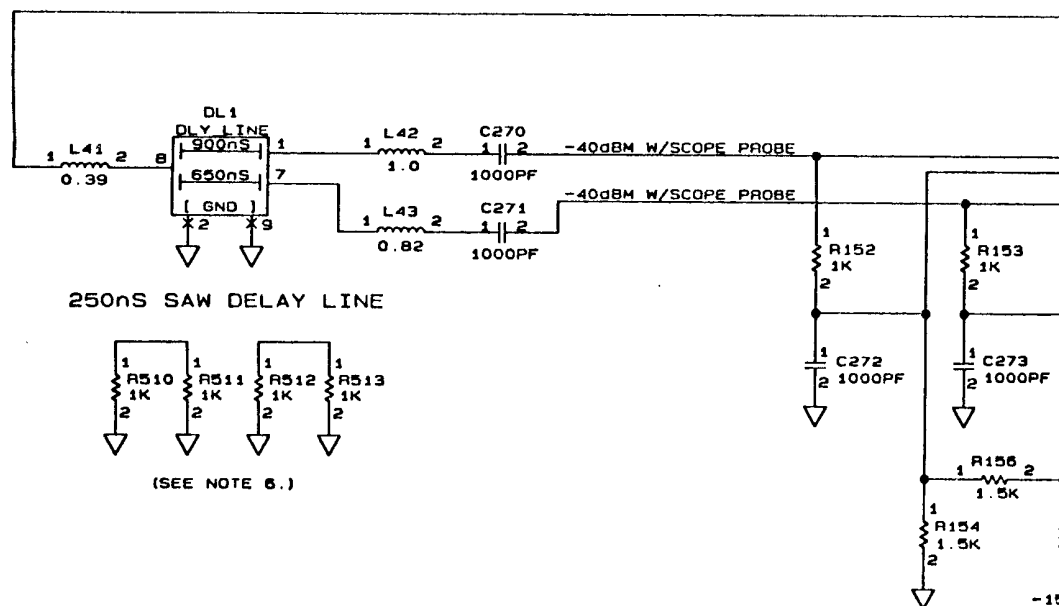
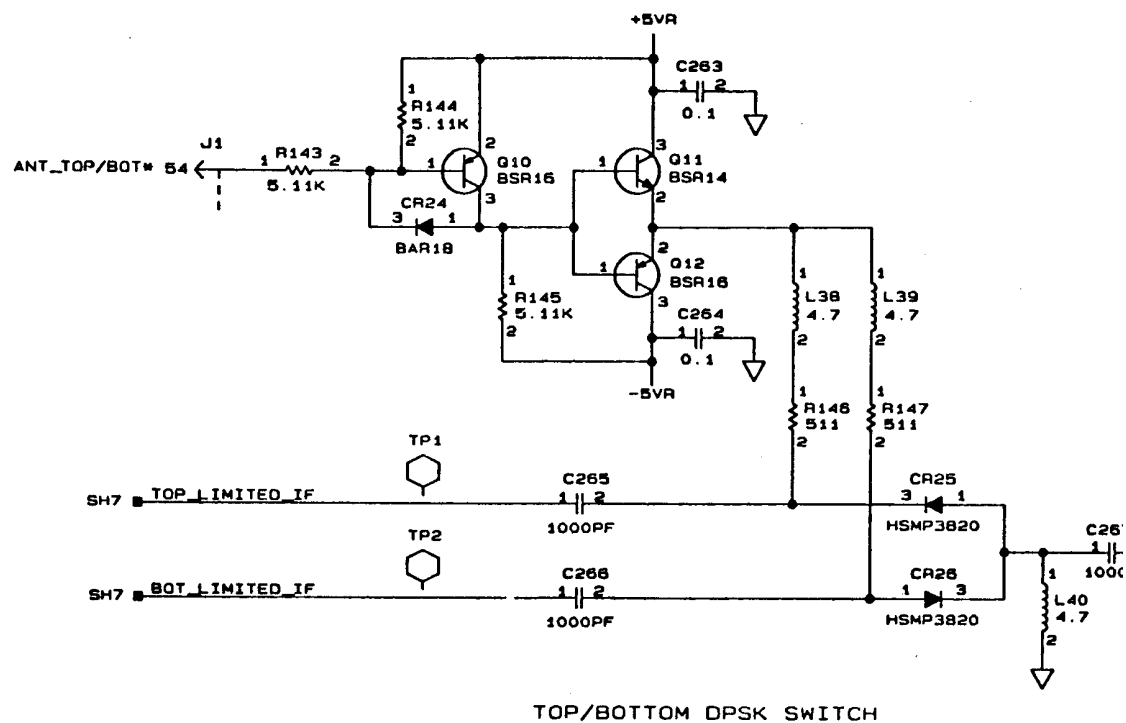
REVISED		DATE	APP
07	A	5/9/97	C.L.
DESCRIPTION		95935 (M)	R.R.
UOTO SCH: REF DES L42			
VALUE WAS 0.82.			
SEE DWG SHEET 1			



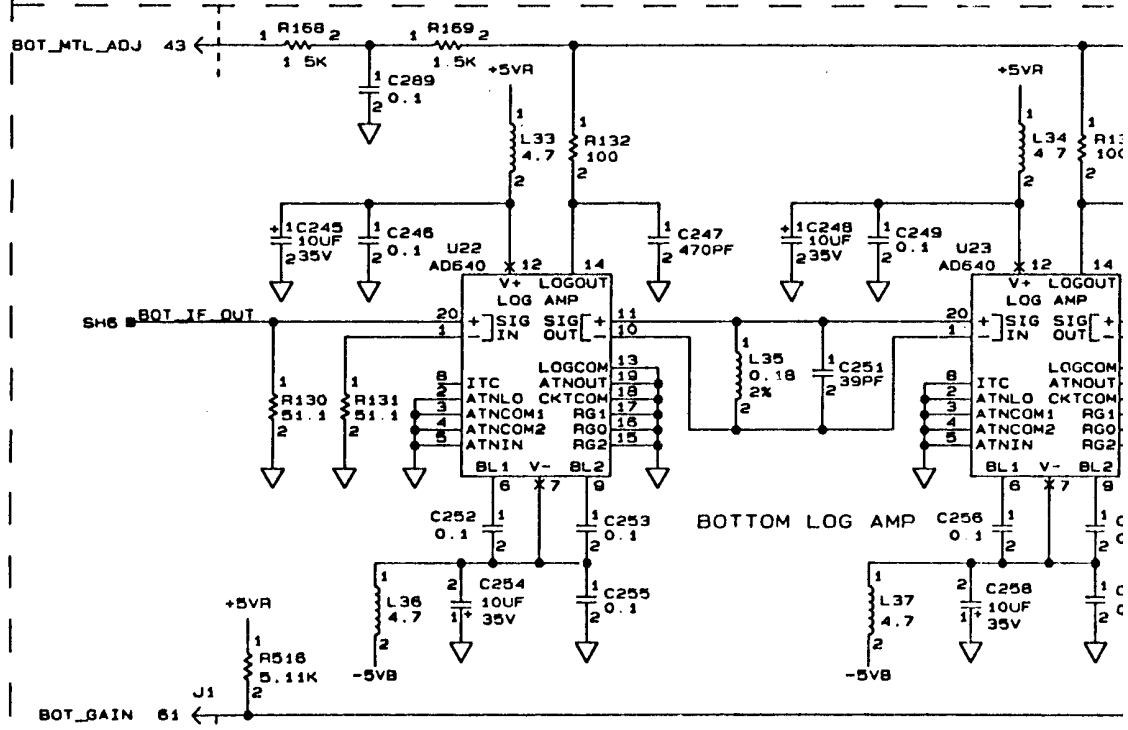
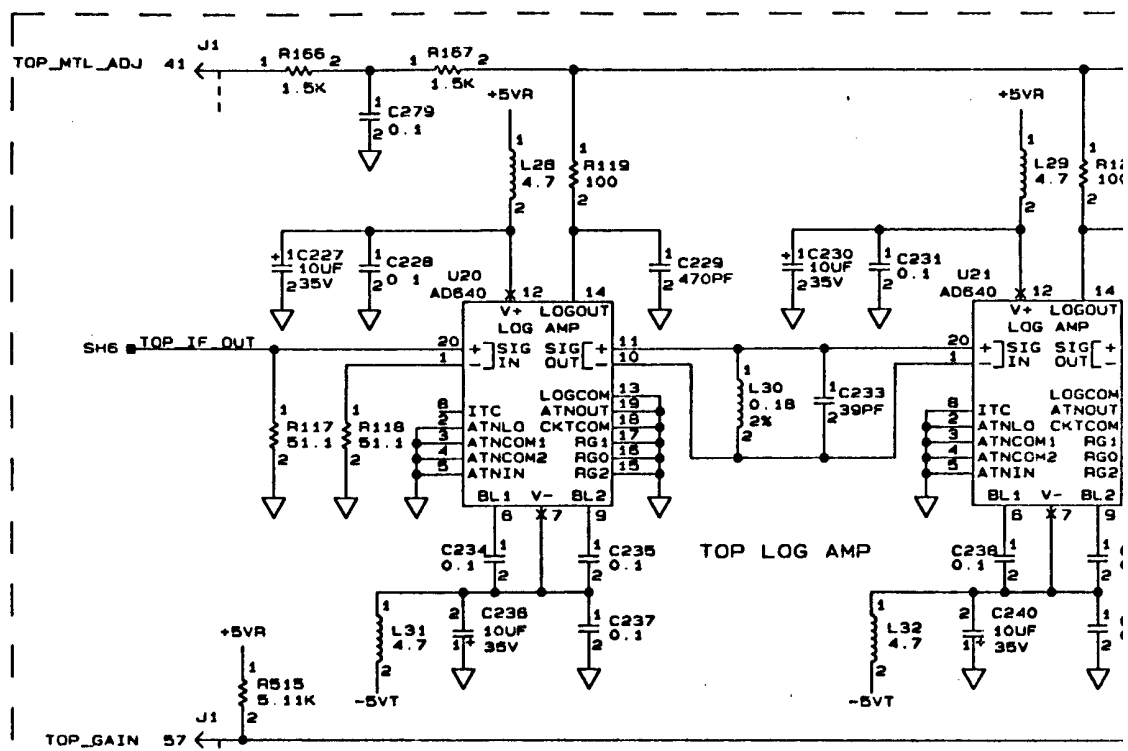
MODULATOR

TOP AND BOT
DPSK SWITCH/DPSK DEMODULATOR
SCHEMATIC DIAGRAM SHEET NO. 8

COMPUTER GENERATED

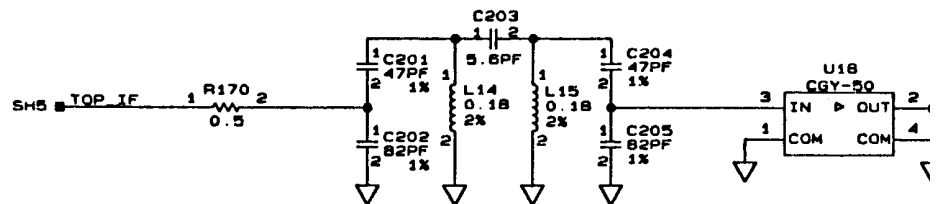


REDUCED SIZE
DO NOT SCALE



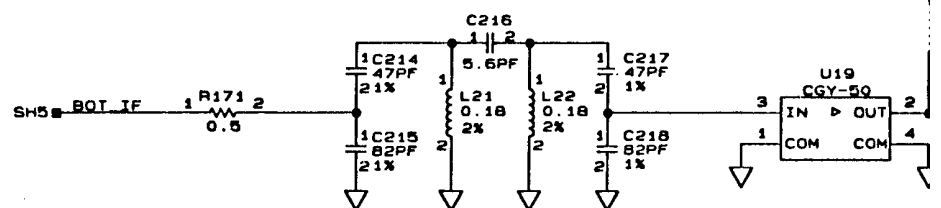
REDUCED SIZE
DO NOT SCALE

SEE FIRST SHEET FOR CONTRACT NUMBER
 USE FOR SCHEDULING OF INFORMATION ON



TOP 1ST STAGE
IF FILTER

TOP IF AMPLIF:
GAIN = 12dB



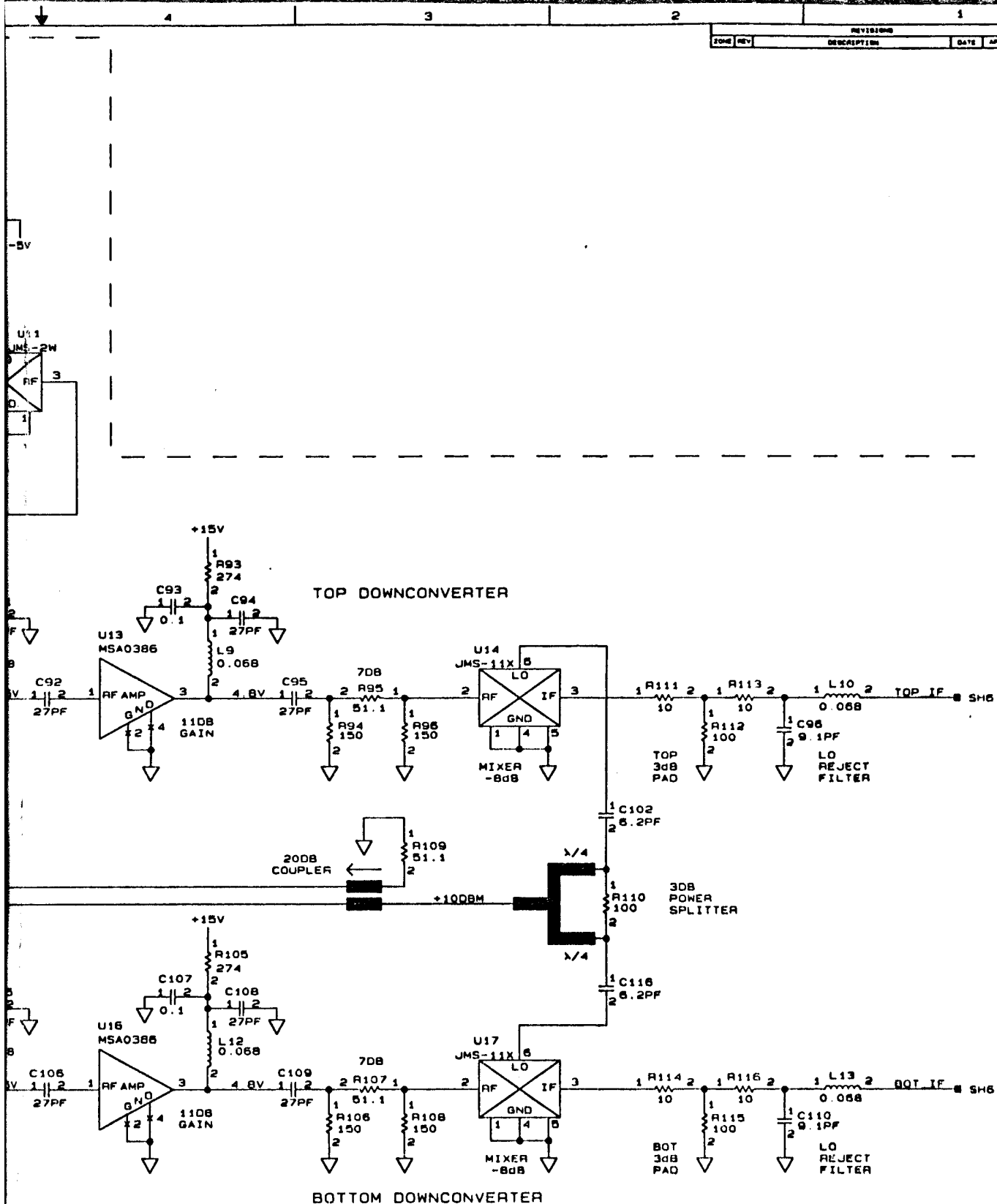
BOT 1ST STAGE
IF FILTER

BOTTOM IF AMPL
GAIN = 12dB

SHIELD

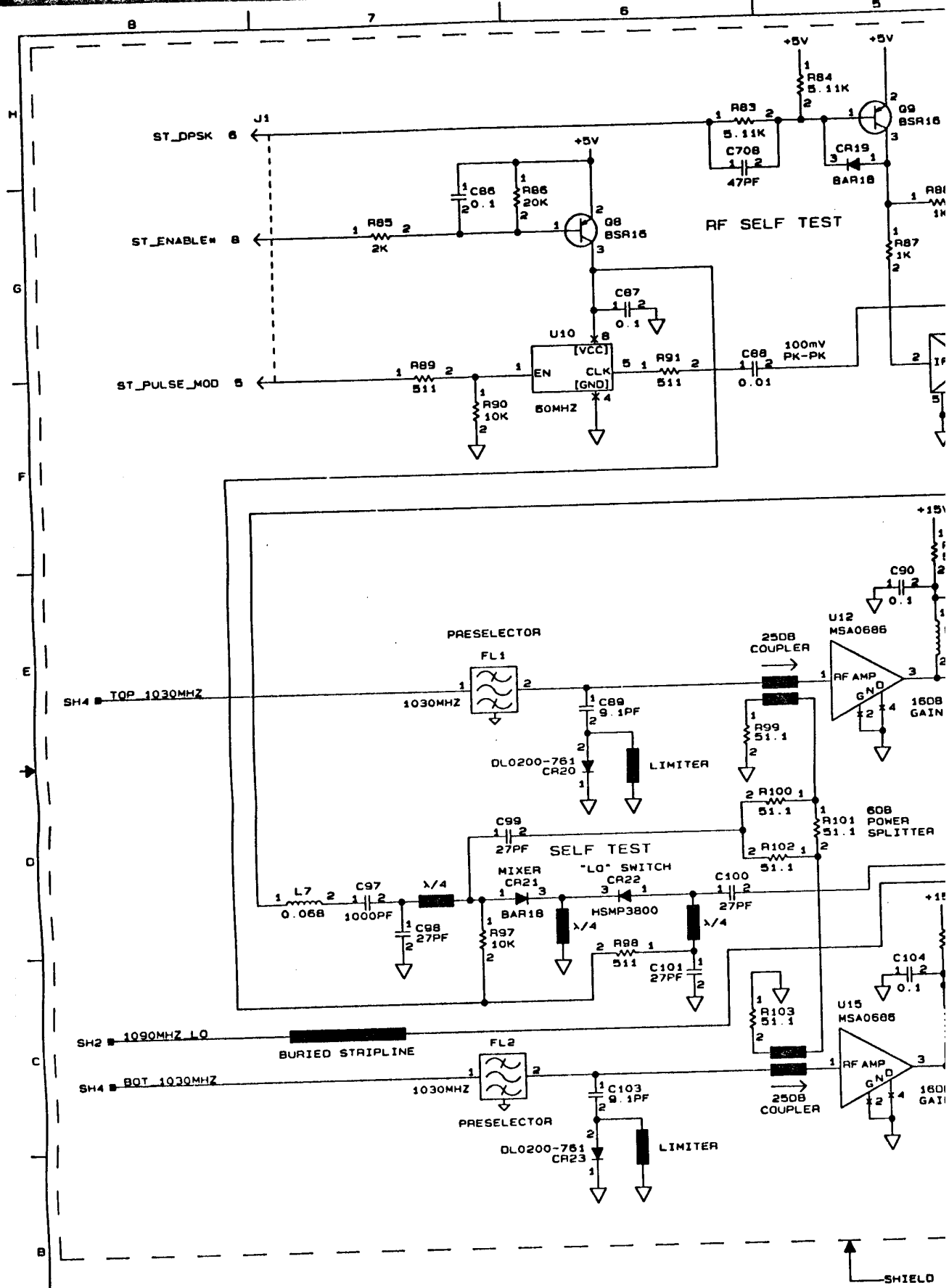
I.F. AMPLIFIER/

REDUCED SIZE
DO NOT SCALE

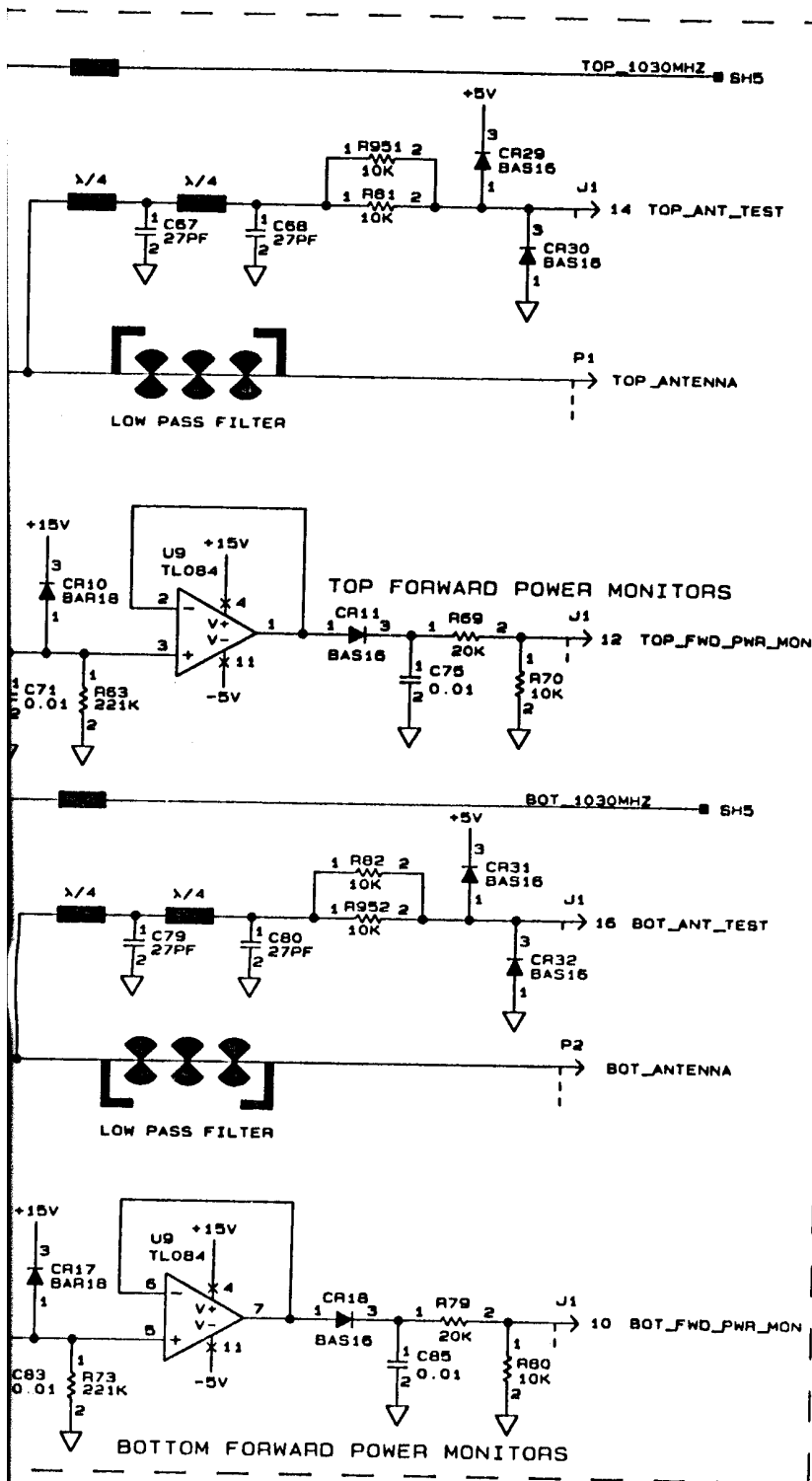


DUPLEXER/DOWNCONVERTERS/SELF-TEST
 SCHEMATIC DIAGRAM SHEET NO. 5

COMPUTER GENERATED



REDUCED SIZE
DO NOT SCALE



DUPLEXER/FORWARD POWER MONITORS
 ANTENNA MONITORS
 SCHEMATIC DIAGRAM SHEET NO. 4

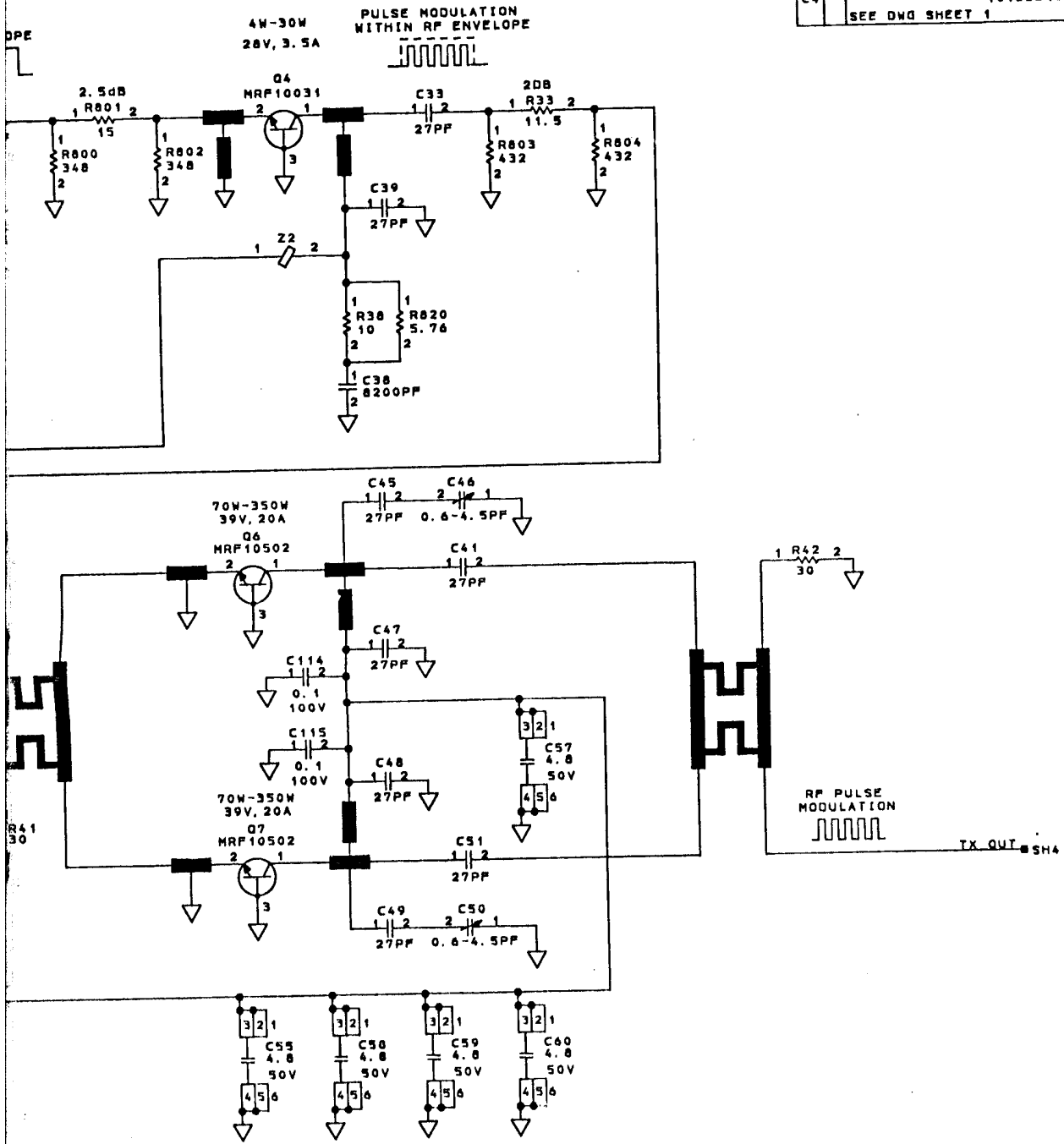
COMPUTER GENERATED

Honeywell

SEE FIRST SHEET FOR CONTRACT NUMBER
 AND ORIGINATING INFORMATION ON
 THIS SHEET IS SUBJECT TO THE RESTRICTIONS
 ON THE FIRST SHEET OF THIS DOCUMENT

ITEM/LOW CODE: 85539
 DRAWING NO: 7517835-904
 SCALE: 1:1
 SHEET: 7

REVISIONS		DATE	APPROVED
A	PARTS LIST DATA BASE CHANGE ONLY.	05 FEB 97	C. DOBODALL
	95935 (M)		R. RICHARD
B	UOTO SCH. REF DES R43 VALUE WAS 0.5. REF DES R800, R801 AND R802 VALUES WERE 866, 5.76 AND 866 RESP. TEXT AT R801 WAS "10B".	02 JUN 98	C. DOBODALL
	96251 (M)		R. RICHARD
C	UOTO SCH. CORRECTED PICTORIAL OF REF DES Q4 AND Q5. REF DES Q6 AND Q7 TYPE WAS MRF10501.	30 Sept 98	C. DOBODALL
	101852 (U)		R. RICHARD
SEE DWD SHEET 1			



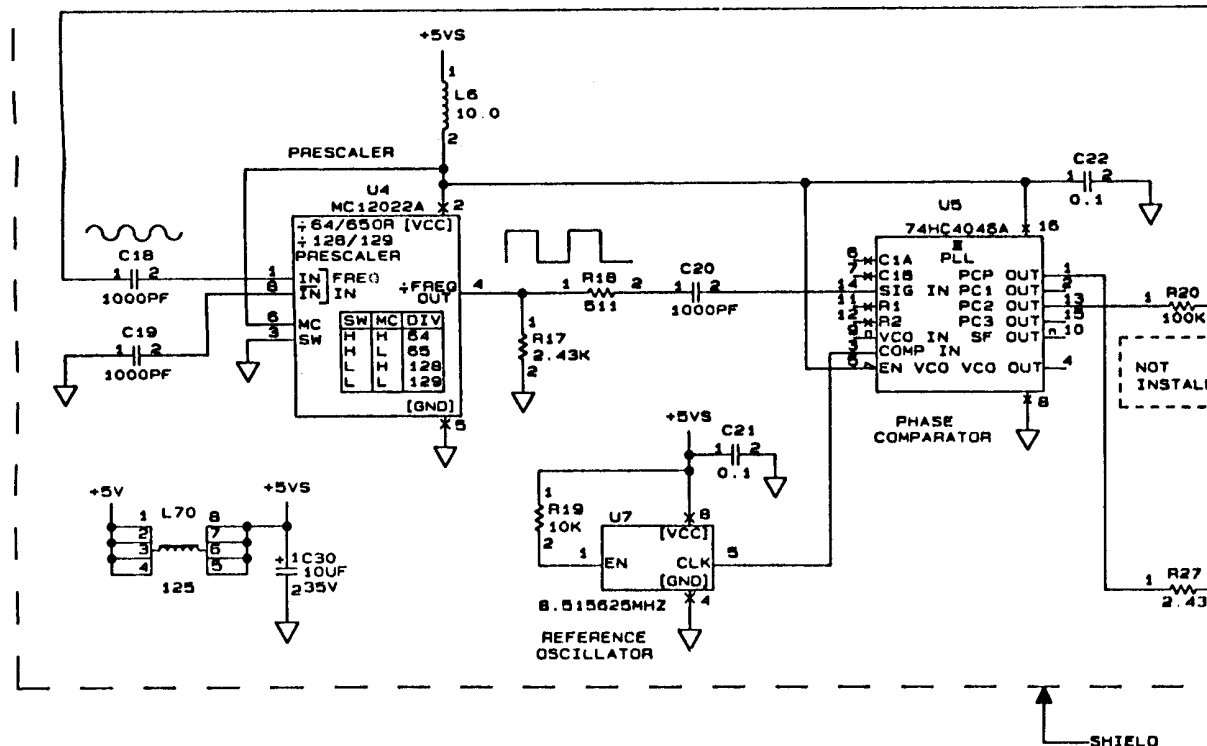
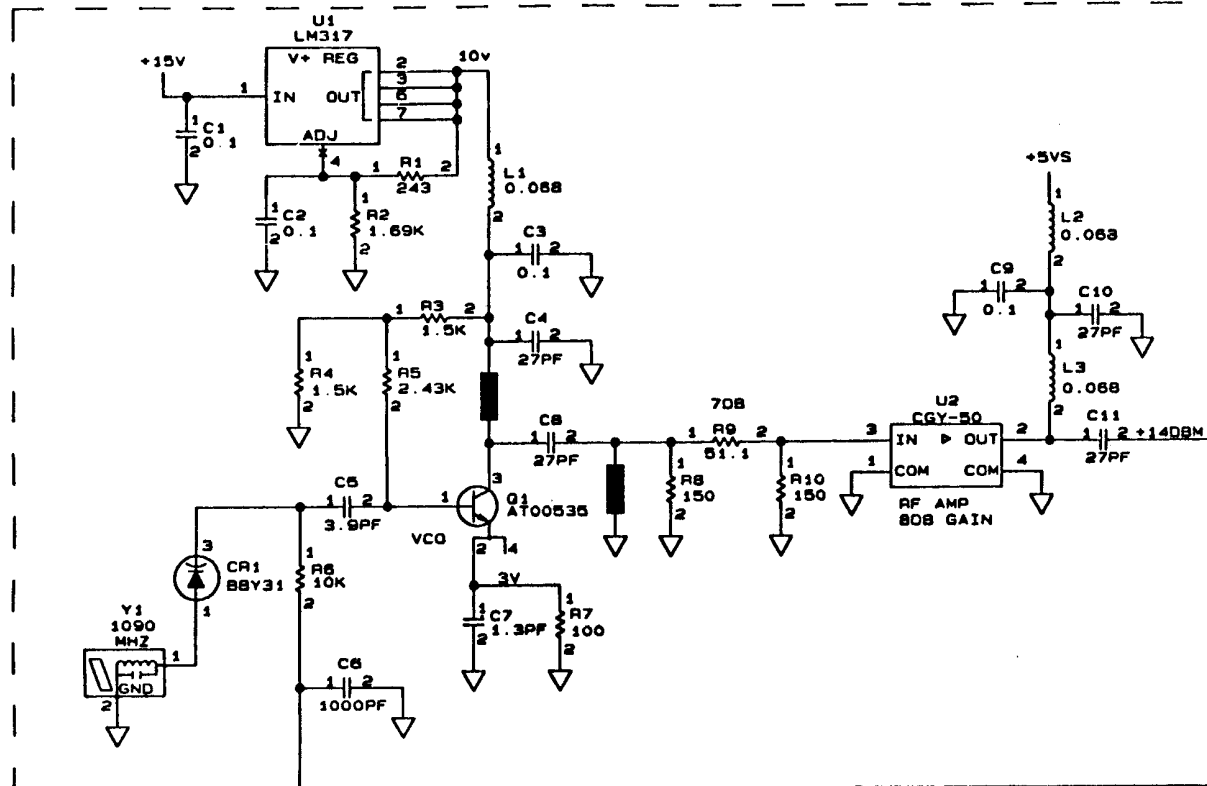
POWER AMPLIFIER

SCHEMATIC DIAGRAM SHEET NO. 3

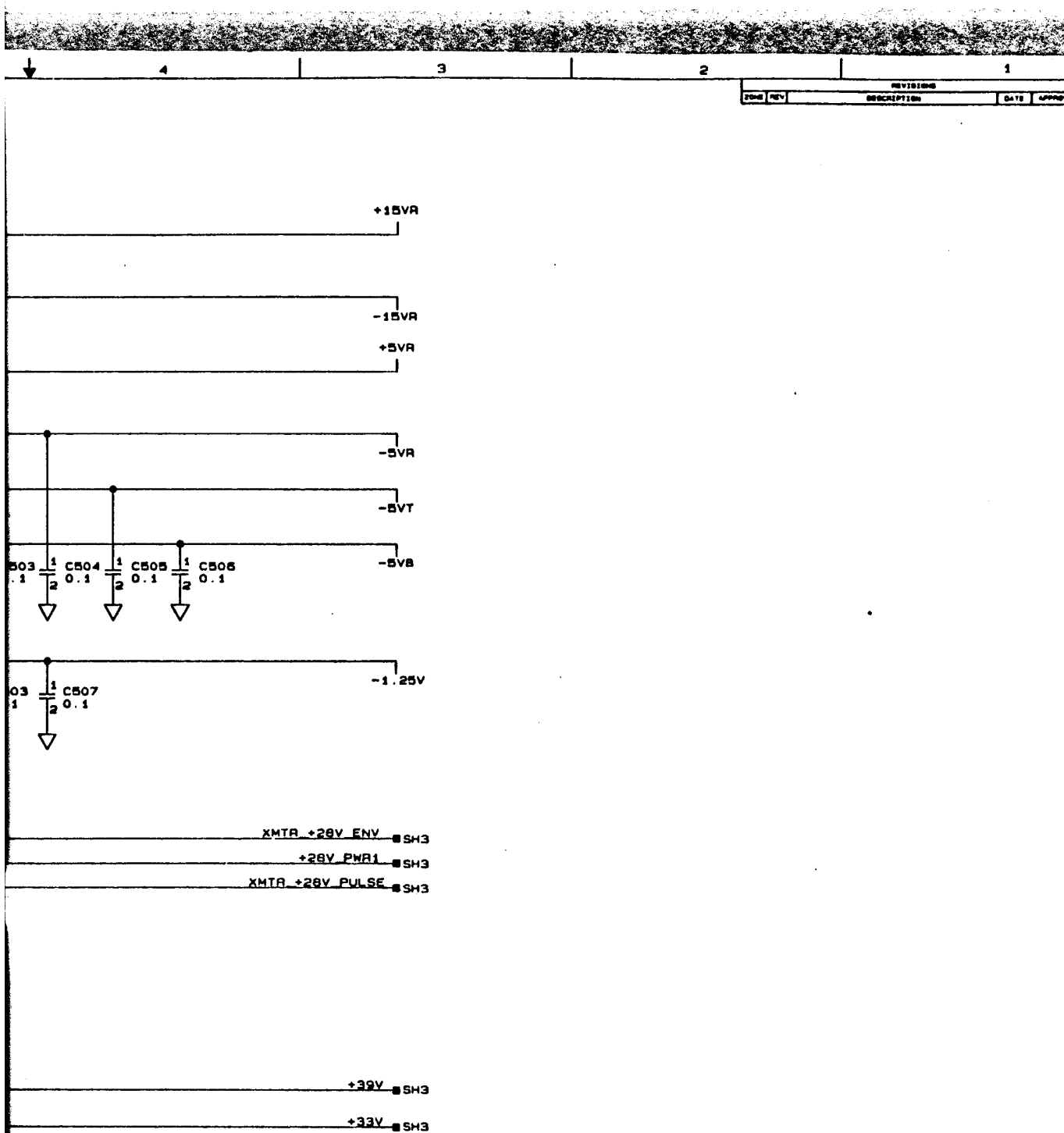
COMPUTER GENERATED

1090 MHZ LOCAL OSCILLATOR
SCHEMATIC DIAGRAM SHEET NO. 2

COMPUTER GENERATED



REDUCED SIZE
DO NOT SCALE

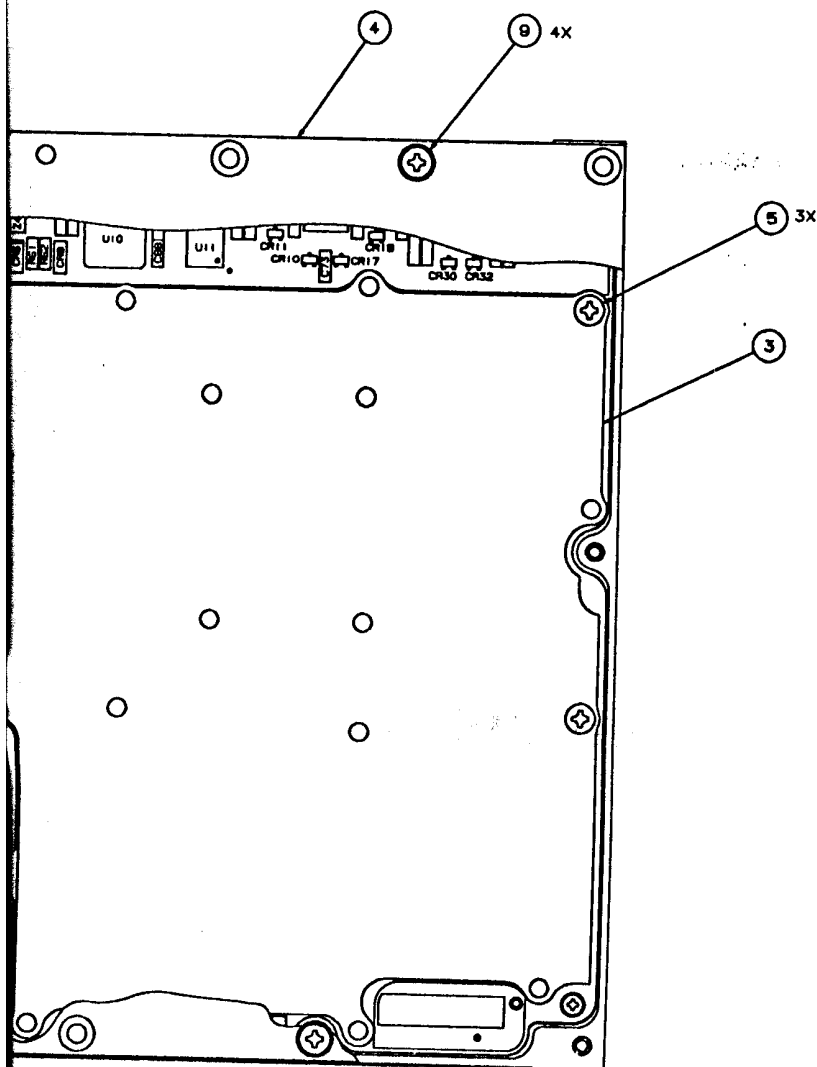


POWER LINE FILTERS

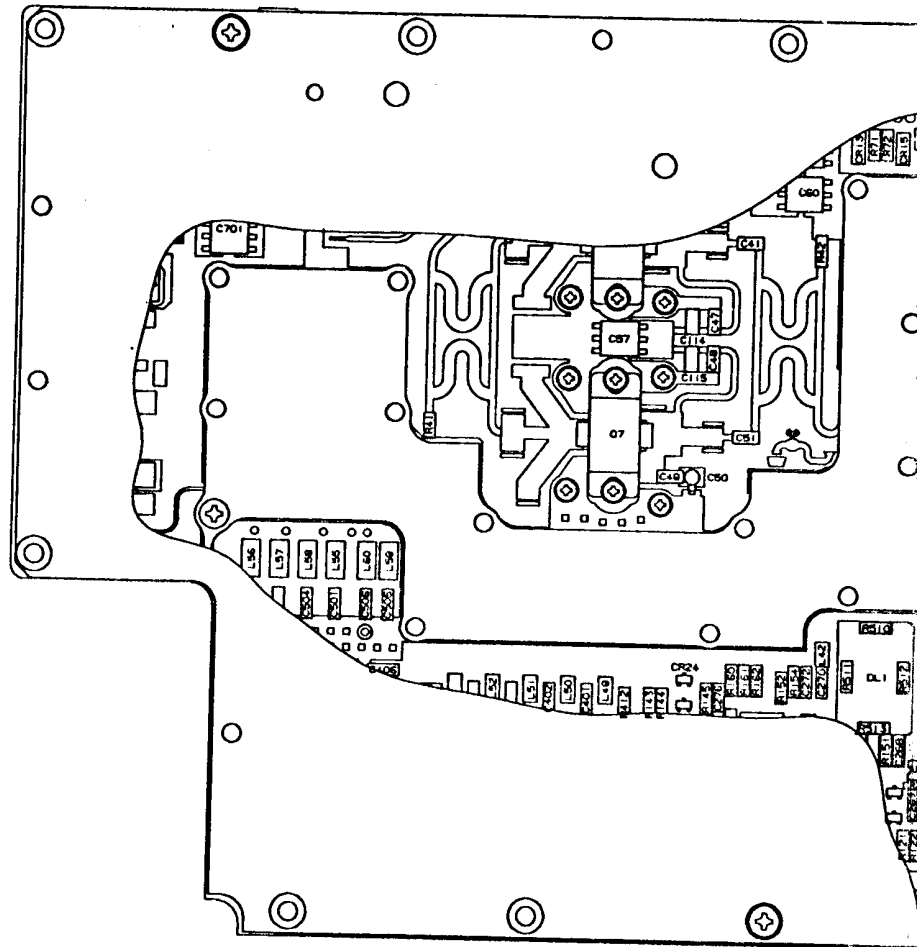
SCHEMATIC DIAGRAM SHEET NO. 1 OF 16

COMPUTER GENERATED

ZONE		REV		REVISIONS		DATE		APPROVED	



7517835-904 3



**REDUCED SIZE
DO NOT SCALE**

A schematic diagram of a bolted joint. A central nut is shown with a horizontal line passing through its center, representing the bolt. Two side nuts are positioned on either side of the central nut, also with horizontal lines passing through their centers. The diagram illustrates the relative positions of the nuts and the bolt.

GENTLY BEND END OF TRANSISTOR
LEAD DOWN AGAINST PAD. SOLDER
THE END OF THE LEAD ONLY. DO
NOT LET SOLDER FLOW INTO STRESS
RELIEF AREA OF THE LEAD.

TABS MUST BE SOLDERED UP TO
EDGE OF PAD

CUT .040
FROM BODY

SLANT CUT DENOTES
BASE LEAD
NOTE ORIENTATION

		REVISIONS	
ZONE	REV	DESCRIPTION	DATE APPROVED
	A	LOD2 DETAILS C AND N. R AND NOTE CALLOUT 2B. SEE SHEET 1.	10/20/82 C. COBBALL R. RICHMOND C. F. ALLEN
	D	LOD2 VIEW, ADD DETAIL R AND NOTE 1A CALLOUT. SEE SHEET 1.	10/20/82 (M) 13 R. RICHMOND C. F. ALLEN

020 ———— RELIEF AL ———— 100 ± .020

NOTE MARKING
ORIENTATION

04 AND 05
DETAIL C

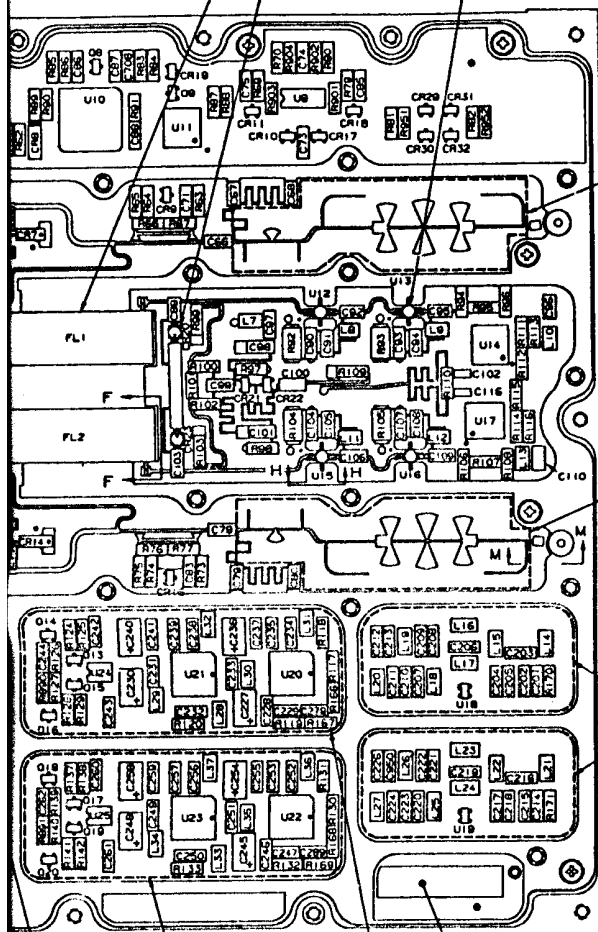
IFICATION LABEL
 DE OF ITEM 2
 XIMATELY
 OWN

SEE DETAIL E

- SEE DETAIL G

- SEE DETAIL J

SECTION P-P
SCALE: NONE



IDENTIFICATION LABEL
SIDE B

NOT SHOWN

MUST BE SOLDERED
TO EDGE OF PAD

C43, C45, C50 AND C702
SECTION L-L

WRAP SILVER RIBBON ITEM 703
AROUND CENTER PIN AND ATTACH
TO PWB

ALIGN FRONT AND SIDE
EDGE OF Y1 FLUSH TO
WITHIN .015 OF PWB
PAD EDGE

DETAIL K 

J2(W5), J3(W6)

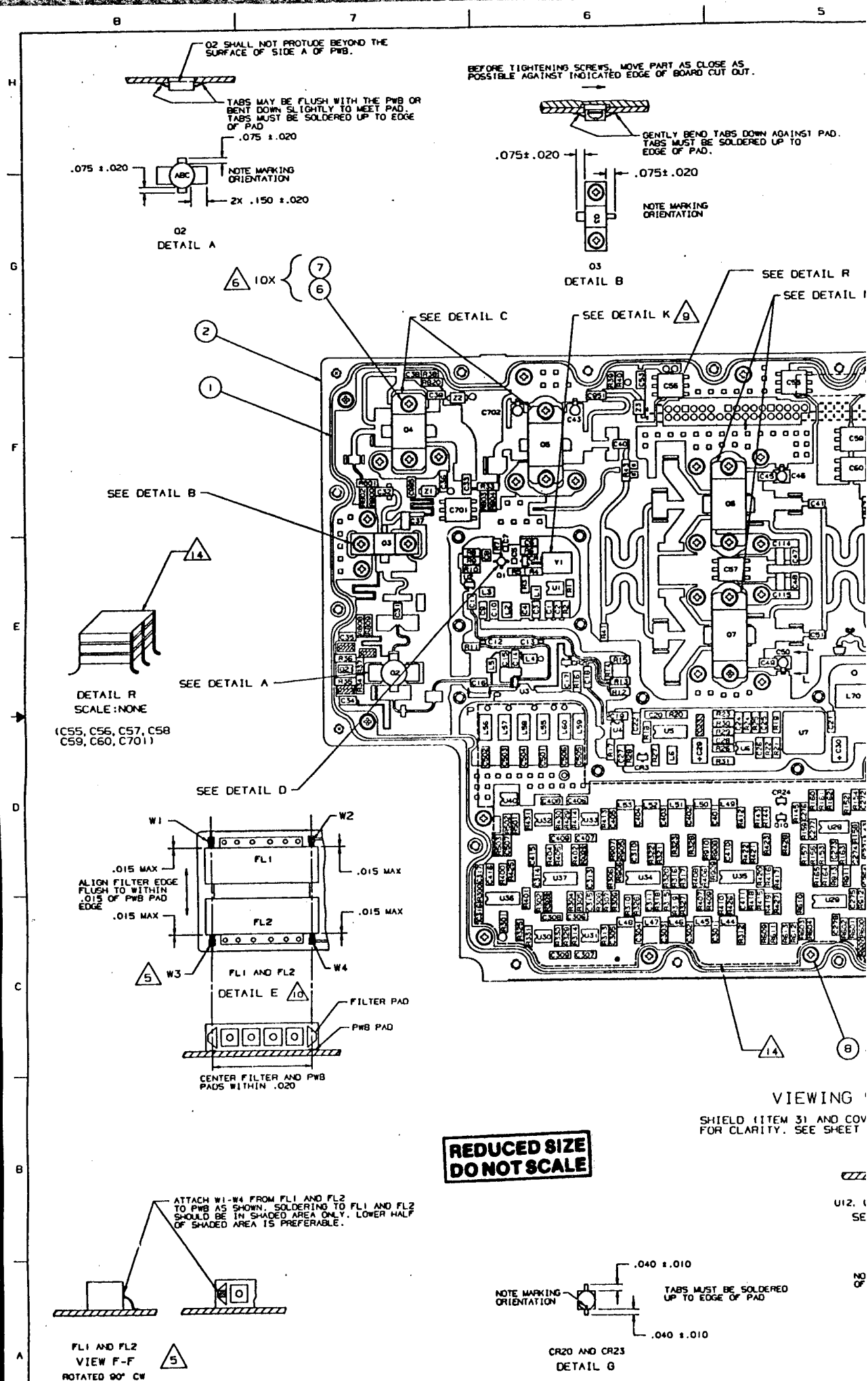
SECTION M-M

BEFORE TIGHTENING SCREWS, MOVE PART AS CLOSE AS POSSIBLE AGAINST INDICATED EDGE OF BOARD CUT OUT.

GENTLY BEND END OF TRANSISTOR LEAD DOWN AGAINST PAD. SOLDER THE END OF THE LEAD ONLY. DO NOT LET SOLDER FLOW INTO STRESS RELIEF AREA OF THE LEAD.

NOTE MARKING
ORIENTATION

06 AND 07
DETAIL N



CUT NO. 1 2

- [illegible]

COMPUTER GENERATED		7517835-905	
SCALE: 1" = 1"		7517835-905	
DRAWING NO.		7517835-905	
SHEET 1 OF 1		7517835-905	
TITLE		CIRCUIT CARD ASSEMBLY	
SUBTITLE		XMTR/RCVR A3	
DESIGNER		Honeywell	
CHECKED BY		Honeywell	
DATE		5/13/99	
DRAWN BY		L. WILSON	
DATE		22 APR 99	
DESIGNED BY		DATE	
CONTRACT		XS-950	
OPERATIONAL NOTE		SIMILAR ASSEMBLY	
OPERATIONAL NOTE		CIRCUIT CARD ASSEMBLY	
OPERATIONAL NOTE		XMTR/RCVR A3	
OPERATIONAL NOTE		7517835-905	

7517835-905

C/O 103857
SH 2/7

REV STATUS OF PARTS LIST SHALL BE SAME AS
BASIC DRAWING NUMBER
SEE SEPARATE PARTS LISTS



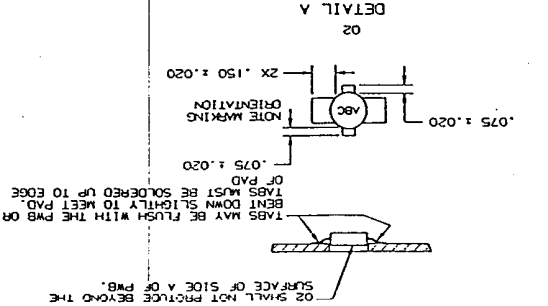
INDUCTOR	NO. ITEM	PWB SIDE	CIRCUIT POINT	
			FROM	TO
1	706	B	J1-49	GND
2	706	B	E1	R953 LEFT
3	706	B	R953 RIGHT	R412 BOTTOM

TABLE II
BUSWIRE DATA

CUT	NO. ITEM	PWB SIDE	CIRCUIT POINT	
			FROM	TO
1	706	B	J1-45	GND
2	706	B	E1	GND

TABLE I
CUT RUN DATA

REVISIONS	DATE	DESCRIPTION
1	5/13/99	INITIAL RELEASE

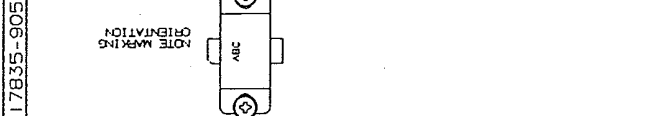


Honeywell
 SEE FIRST SHEET FOR CONTRACT
 DRAWING NO. 7517835-905
 SIZE CODE E55939
 SCALE 2:1

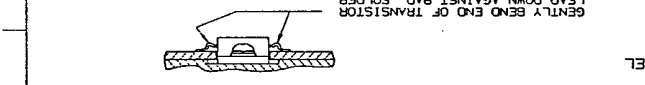
SECTION M-M



DETAIL N



GENTLY BEND END OF TRANSISTOR
 LEAD DOWN AGAINST PAD. SOLDER
 NOT LET SOLDER FLOW INTO STRESS
 RELIEF AREA OF THE LEAD.



BEFORE TIGHTENING SCREWS, MOVE PART AS CLOSE AS
 POSSIBLE AGAINST INDICATED EDGE OF BOARD CUT OUT.

C/10103859
 SH 3/7

4X
 7
 6



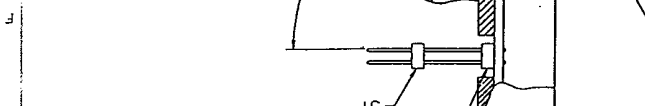
90 ± .5
 J1
 J2
 J3



ADD
 ADD
 ADD



ADD
 ADD
 ADD



ADD
 ADD
 ADD

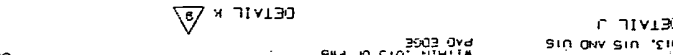


ADD
 ADD
 ADD

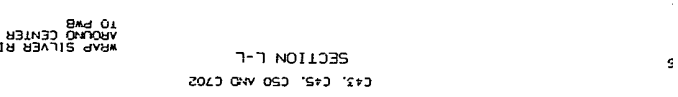


ADD
 ADD
 ADD

SECTION L-L
 C43, C45, C50 AND C702



NOT SHOWN
 TO EDGE OF PAD
 MUST BE SOLDERED



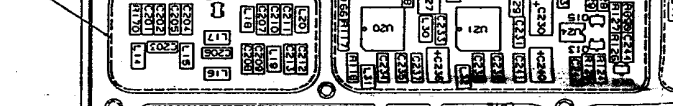
IDENTIFICATION LABEL
 SIDE B



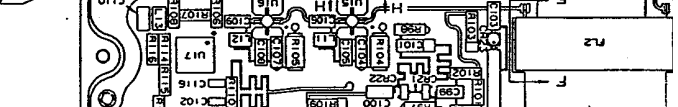
IDENTIFICATION LABEL
 SIDE B



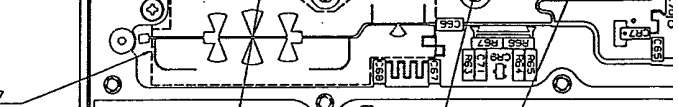
IDENTIFICATION LABEL
 SIDE B



IDENTIFICATION LABEL
 SIDE B



IDENTIFICATION LABEL
 SIDE B



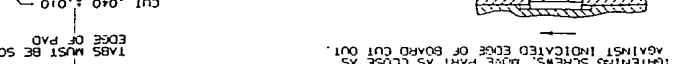
IDENTIFICATION LABEL
 SIDE B

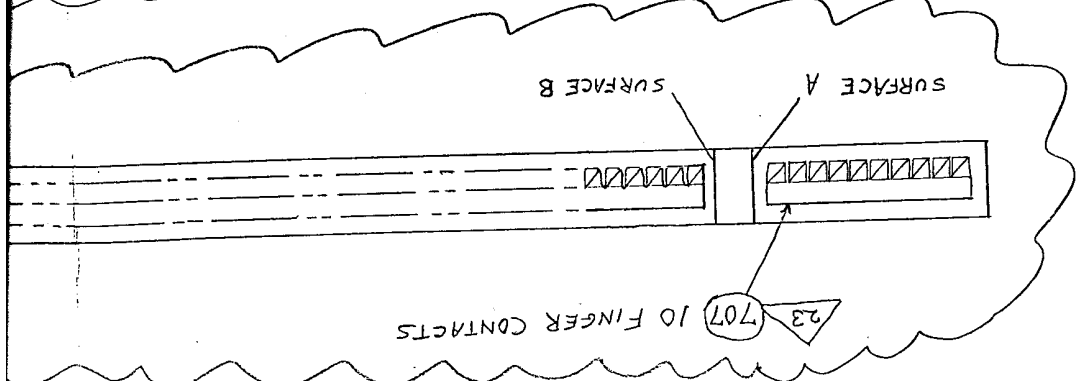
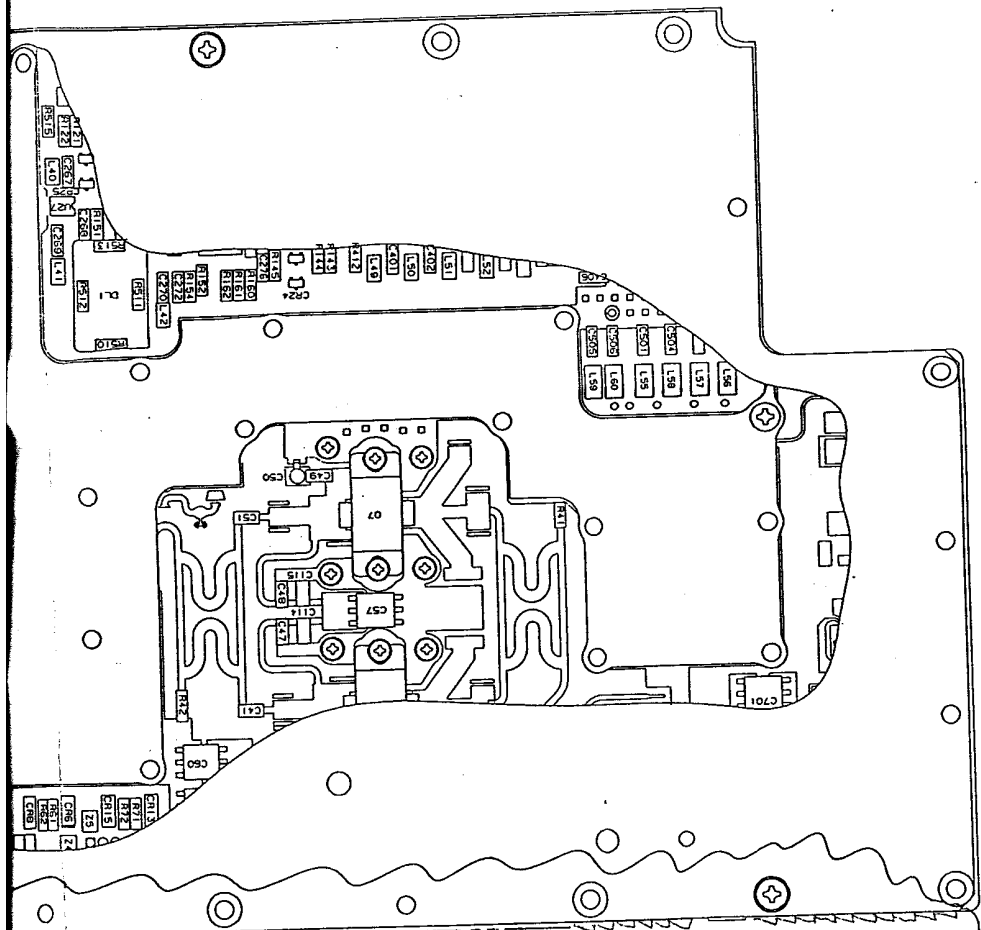


IDENTIFICATION LABEL
 SIDE B



IDENTIFICATION LABEL
 SIDE B

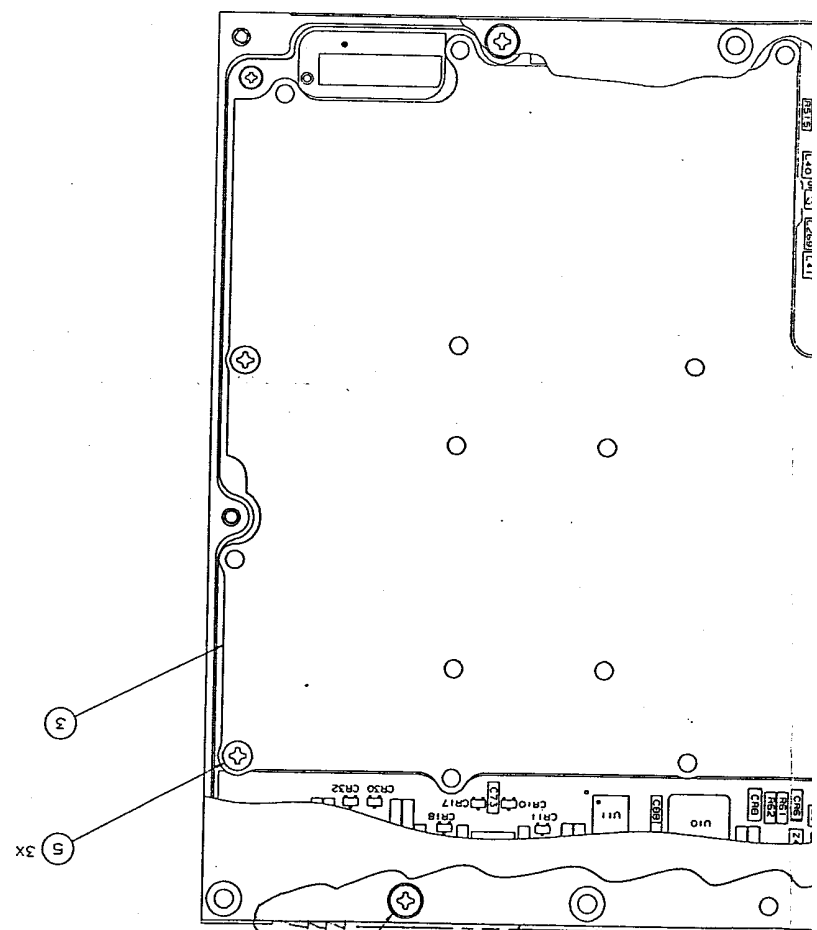




7517835-905
 OF 3

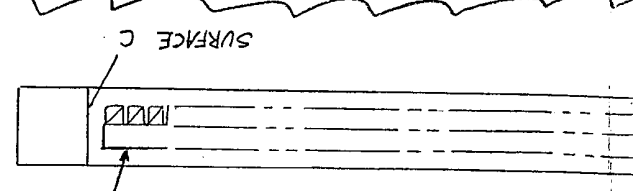
C/O 103859
 SH 4/7

A

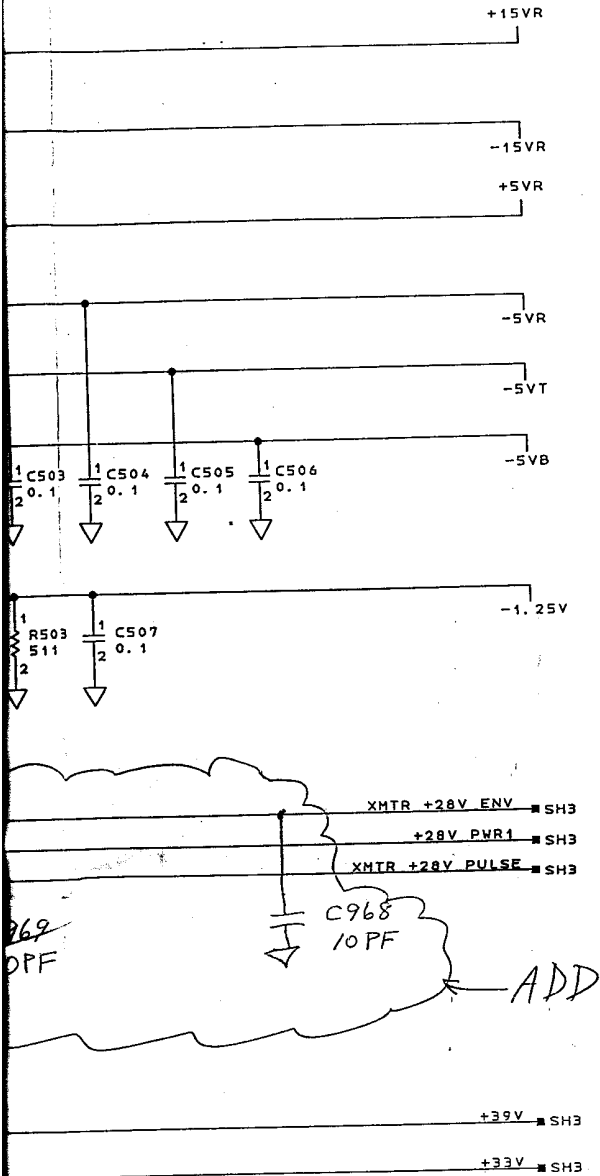


ADD

ADD



23 707
 56 FINGER CONTACTS



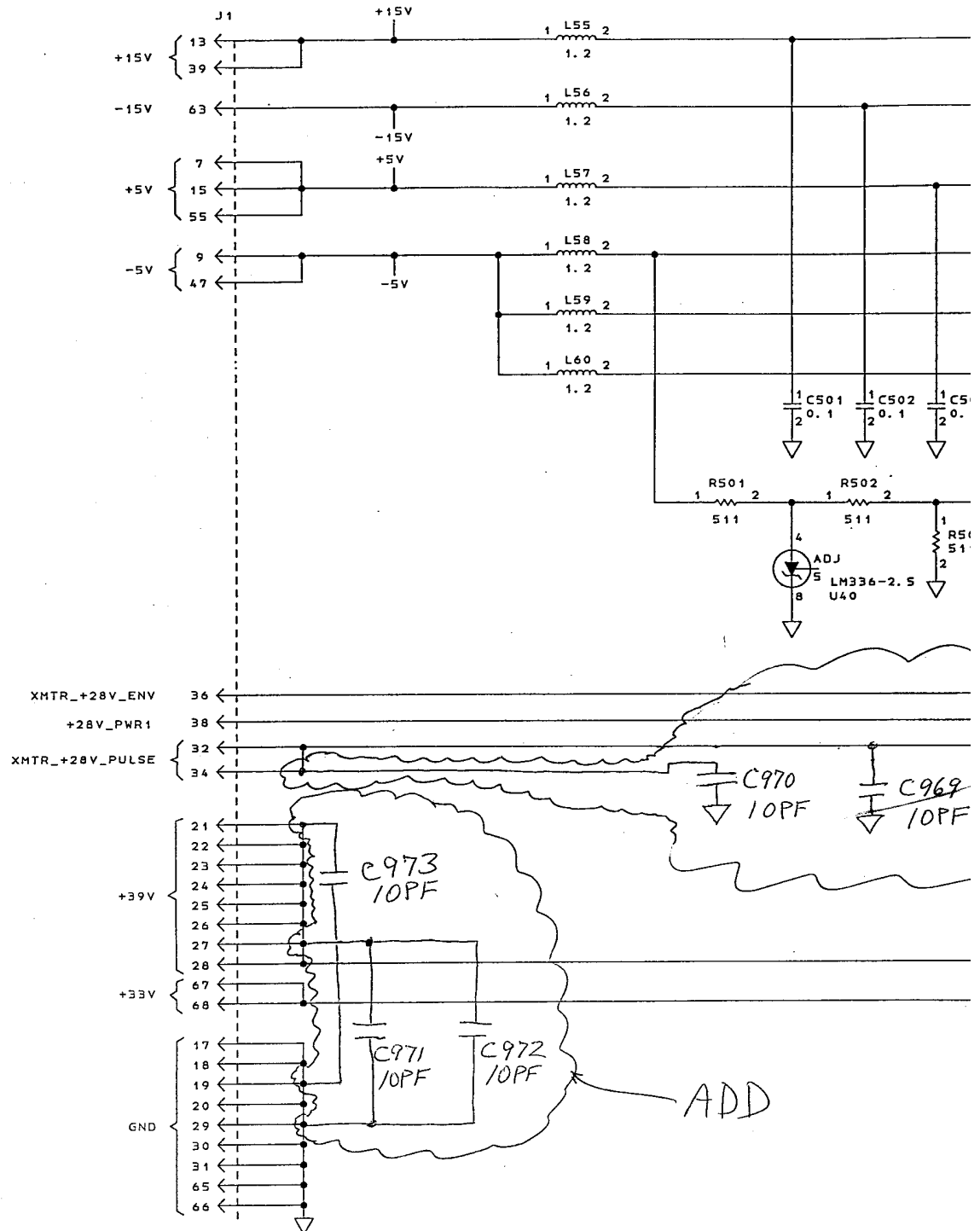
POWER LINE FILTERS

SCHEMATIC DIAGRAM SHEET NO. 1 OF 16

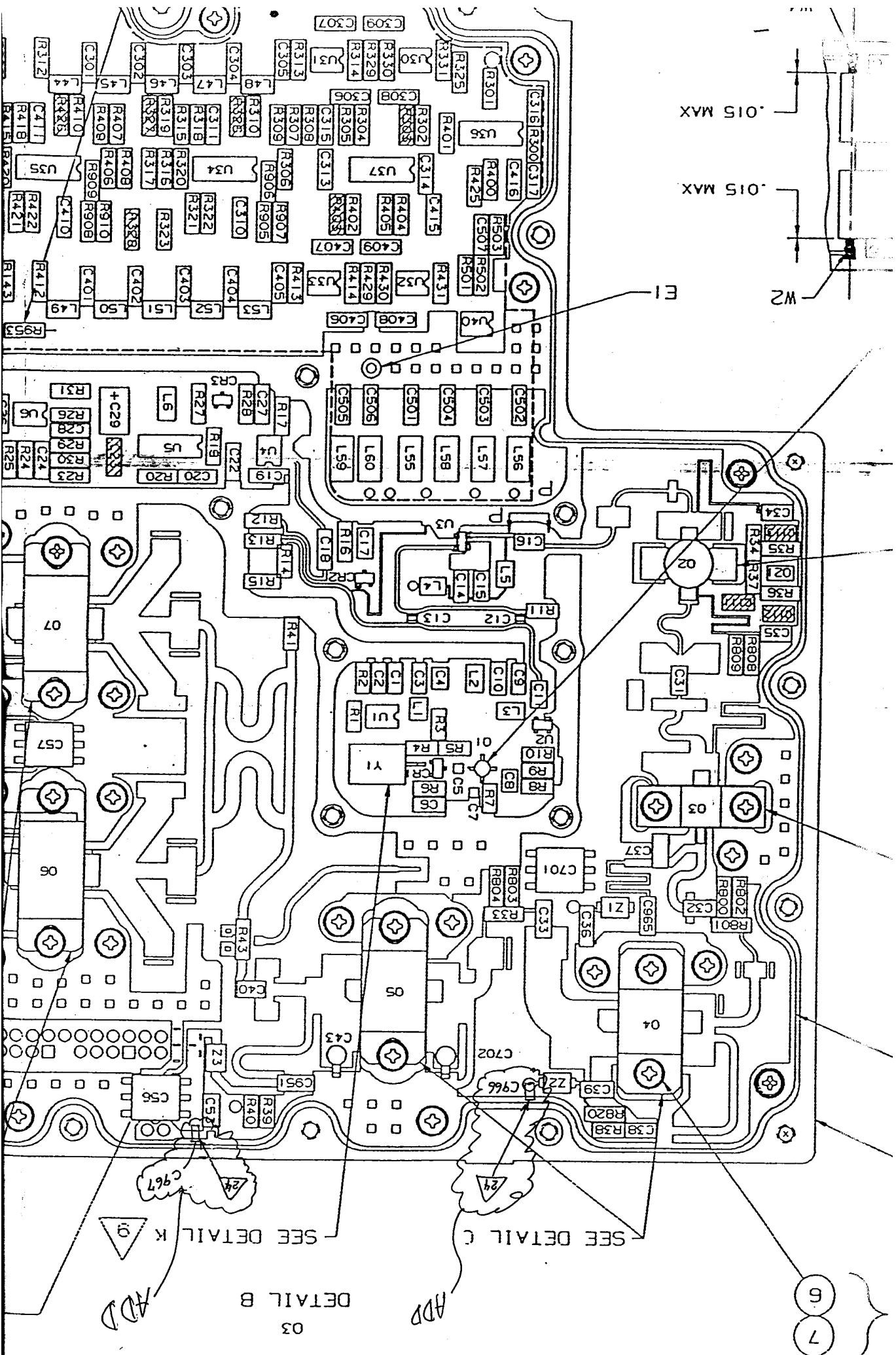
COMPUTER GENERATED

C/O 103859

A



- NOTES:
1. ALL CAPACITANCE VALUES ARE IN MICROFARADS.
 2. ALL RESISTANCE VALUES ARE IN OHMS.
 3. ALL INDUCTANCE VALUES ARE IN MICROHENRIES.
 4. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN; FOR COMPLETE DESIGNATIONS PREFIX PART DESIGNATION WITH SUBASSEMBLY DESIGNATION.
 5. INTERPRET DRAWING PER ANSI Y32.2-1975 AND ANSI/IEEE STD 991-1986. LOGIC SYMBOLS CONFORM TO ANSI/IEEE STD 91-1984.
 6. RESISTORS R68-R71 ARE USED ONLY TO SPACE DL1 OFF OF THE PWB. ELECTRICAL CONTACT BETWEEN ANY OF THESE RESISTORS AND DL1 IS PERMISSIBLE.



.015 MAX
.015 MAX

W2

F1

6
7

SEE DETAIL C

03
DETAIL B

SEE DETAIL K

ADD

ADD

04 AND 05

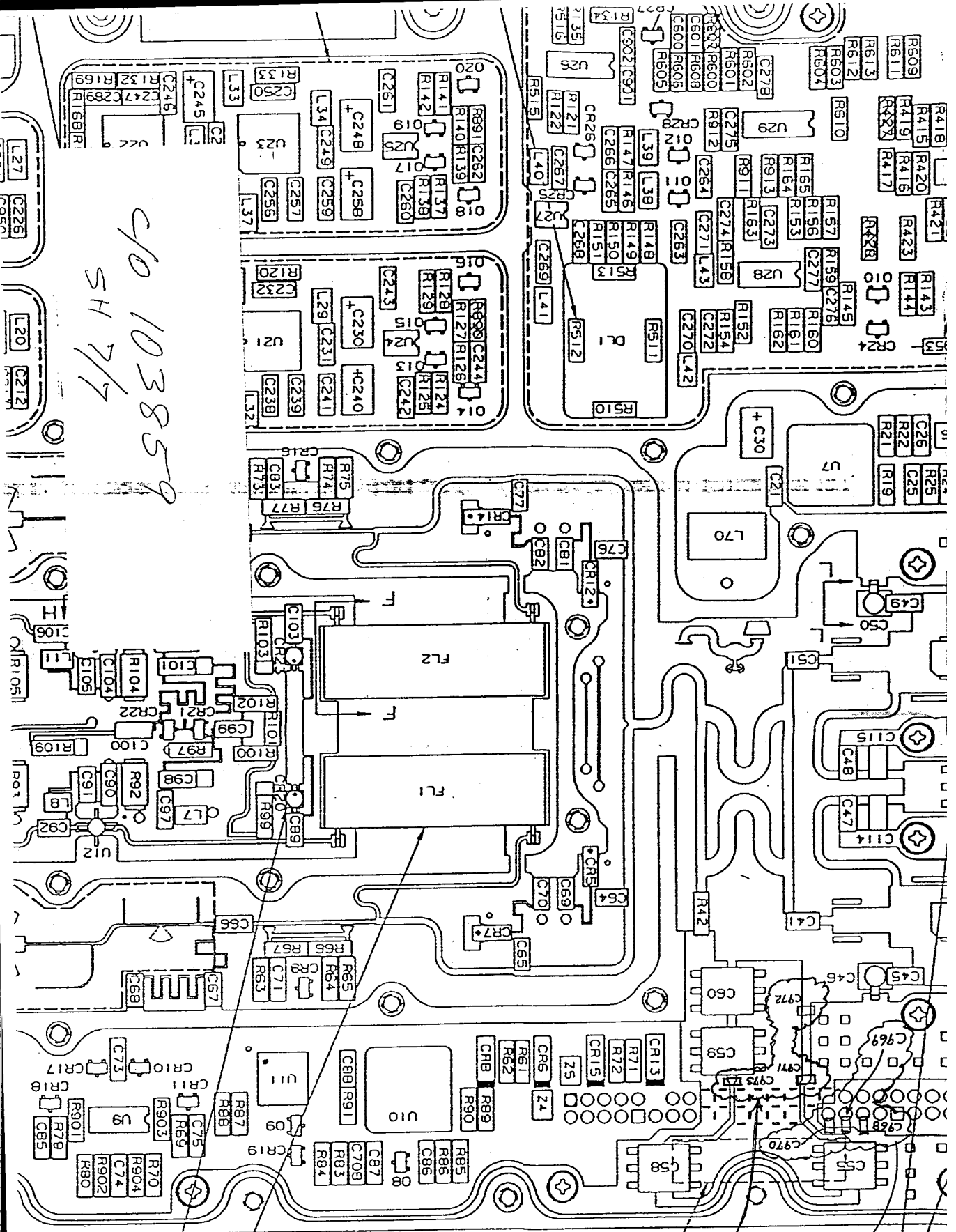
DETAIL C

SEE DETAIL

IDENTIFICATION LABEL
FAR SIDE OF ITEM 2
APPROXIMATELY
AS SHOWN

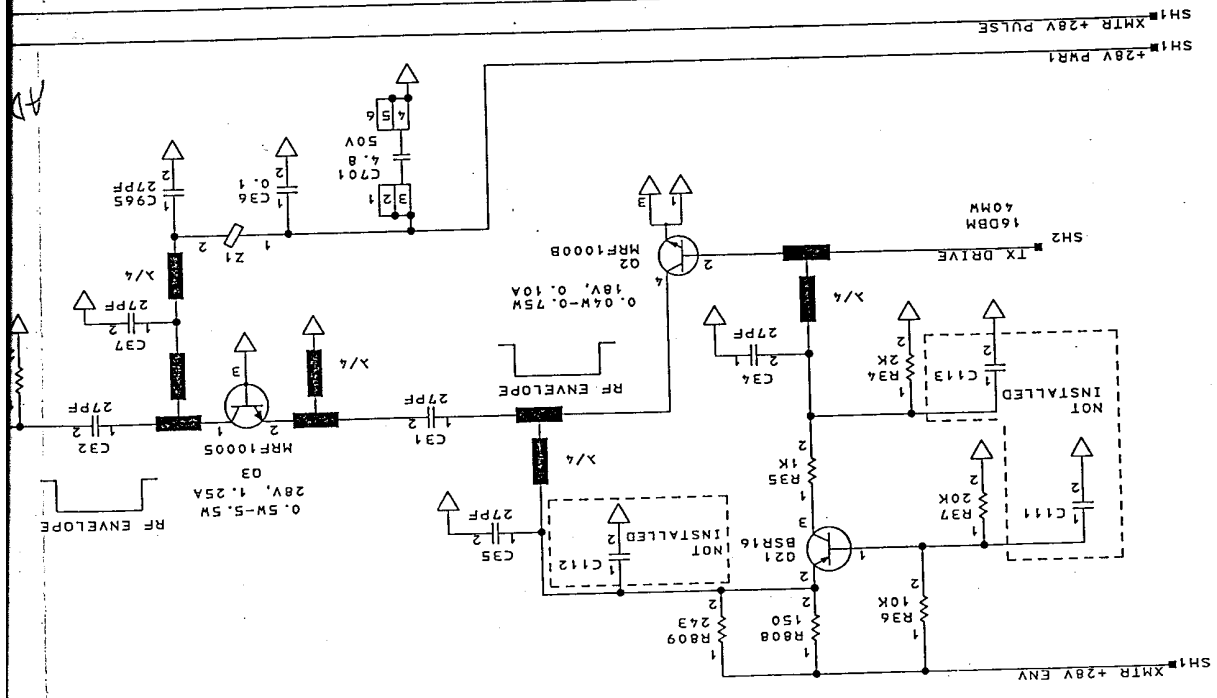
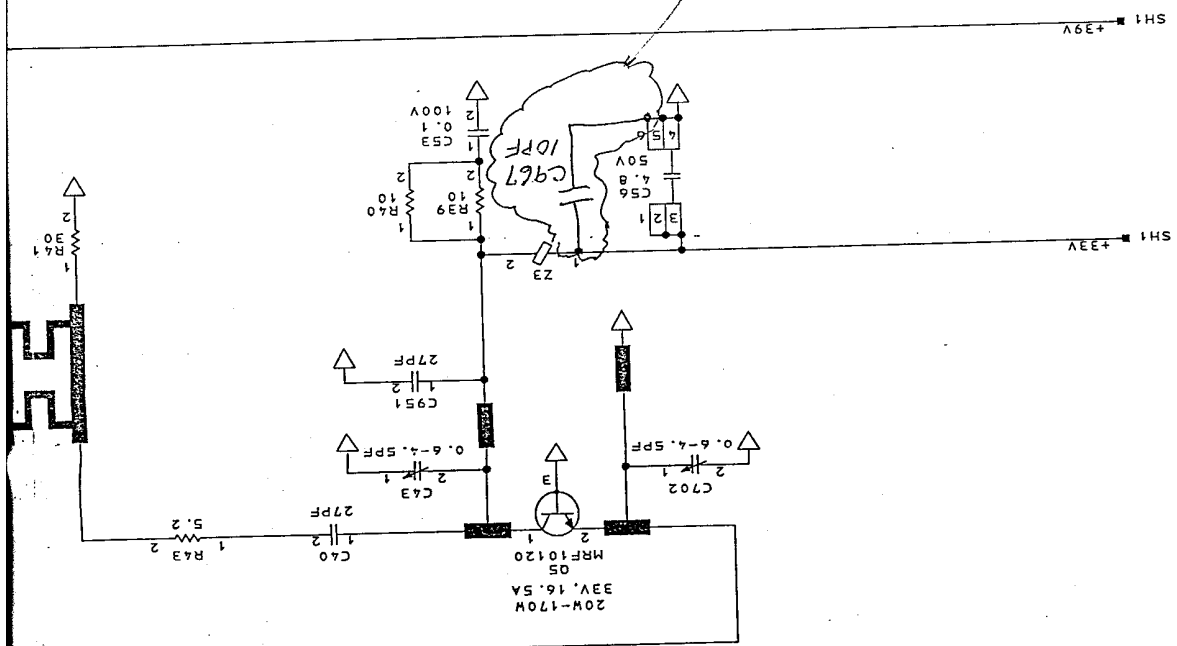
SEE DETAIL R

SEE DETAIL N



POWER AMPLIFIER

ADD



																				- REV SHEET INDEX		CONTRACT XS-9505/1		OPERATIONAL NOTE	
45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1																				SHEET INDEX		DRAWN BY DATE W. HAYWOOD 14 APR 99		 COMMERCIAL FLIGHT SYSTEMS GROUP PHOENIX, ARIZONA	
FOR HONEYWELL REFERENCE INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982 UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES; TOLERANCES: ANGLES ± 1° 2 PL DEC + .02 3 PL DEC + .005																				DESIGNED BY DATE					
MFG REF NO. DPA NO. A-21186 PRODUCT LINE NO. 3839 AIR/PS ANALYSIS EB 7517801																				MATERIAL SPEC. SEE 00.40.		CHECKED BY DATE A. SUMMERS 15 APR 99		TITLE 9505/1 OUTLINE AND INSTALLATION	
MILITARY DESIGNATION																				ITEM CODE SEE 00.38(4)		DATE			
WATL																				THIRD ANGLE PROJECTION		DATE		DRAWING NO. 7519356 SCALE NONE UNIT IN SHEET 1 OF 2	
PROCESS																						DATE			
FINISH																				DWG CLASS A		DATE		FIRST USED ON 7519350	
																				APPROVED BY DATE		DATE			