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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
	XC	INITIAL X RELEASE OF SHEET 1 THRU 18	03AUG01	D.F.LIPPO
	XD	NOTES: NOTE 9 WAS: TORQUE---(ITEM 6)--- NOTE 11 WAS: SECURE L42---. ADD NOTE 13 THRU 18. TABLES: ADD TB. 1, 11. SH IDX REV. PL. AFFECTED.	030101	<i>[Signature]</i> A. WHIDDEN

TABLE I
CUT RUN DATA

CUT NO.	PWB SIDE	FROM CIRCUIT POINT	TO CIRCUIT POINT
1	B	R11-TOP	R16-LEFT
2	B	R48-BOTTOM LAND	R48-BOTTOM PROBE PAD

TABLE II
BUSWIRE DATA

CONDUCTOR		PWB SIDE	FROM CIRCUIT POINT	TO CIRCUIT POINT
COND. NO.	ITEM NO.			
601	706	B	R11-TOP	R16-RIGHT
602	706	B	R48-BOTTOM	R17-BOTTOM
603	706	B	L62-RIGHT	C381-RIGHT

NOTES:

1. ASSEMBLE AND SOLDER PER ITEM 701.

2. THIS ASSEMBLY INCLUDES COMPONENTS WHICH ARE SUBJECT TO DAMAGE BY ELECTROSTATIC CHARGES; THEREFORE, ALL COMPONENTS SHALL BE HANDLED IN ACCORDANCE WITH GUIDELINES FOR ELECTROSTATIC DISCHARGE CONTROL.

CAUTION

ELECTROSTATIC SENSITIVE EQUIPMENT
SPECIAL HANDLING REQUIRED

3. MAXIMUM COMPONENT HEIGHT SHALL BE .XXX.

4. COMPONENT LEAD PROTRUSION SHALL BE .060 MAXIMUM; BARE COPPER PERMISSIBLE ON COMPONENT LEADS AT TRIMMED SURFACES.

5. SQUARE PADS ON PRINTED WIRING BOARD INDICATE PIN 1.

6. COAT ASSEMBLY USING ITEM 702 EXCEPT TEST POINTS AND AREAS NOTED.

7. SOME COMPONENTS SHOWN OVERSIZE TO PROVIDE SPACE FOR DESIGNATORS.

8. SHADED COMPONENTS ARE NOT INSTALLED.

9. TORQUE SCREWS (ITEMS 3, 6 AND 13) TO 5±1 IN-LBS.

10. SURFACE SOLDER TABS OF SHIELD (ITEM 11) TO PWB (ITEM 1).

11. SECURE L35 TO PWB (ITEM 1) USING ITEM 704.

12. P1 IS TO BE FLUSH TO PWB (ITEM 1).

13. SECURE L35, L55, L59, L62, AND C381 TO PWB (ITEM 1) USING ITEM 703.

14. APPLY ITEM 705 BETWEEN PWB (ITEM 1) AND Q3 AND Q4.

15. MAKE CUTS PER TABLE I, LEFT OR RIGHT, TOP OR BOTTOM AS VIEWED FROM INDICATED SIDE.

16. INSTALL BUS WIRES PER TABLE II, LEFT OR RIGHT, TOP OR BOTTOM AS VIEWED FROM INDICATED SIDE.

17. INSTALL C381 AND L62 AS SHOWN.

18. ITEMS 3 AND 7 ARE USED TO HOLD THE CCA IN PLACE ON ITEM 9 WHILE Q3 AND Q4 ARE INSTALLED. REMOVE AND DISCARD PRIOR TO INSTALLING ITEM 10.

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

OPERATIONAL NOTE

SIMILAR ASSEMBLY

Honeywell

COMMERCIAL FLIGHT SYSTEMS GROUP
PHOENIX, ARIZONA

CIRCUIT CARD ASSEMBLY-
TRANSMITTER

SIZE: CASE CODE
E155939
SCALE: NONE UNIT: WT

DRAWING NO.
7026236-902
SHEET 1 OF 19

CONTRACT VDR

DRAWN BY
A. WHIDDEN
DESIGNED BY
DATE
13 JUL 01

CHECKED BY
[Signature]
DATE
030101

APVD FOR MFG
DATE

APVD FOR DE
DATE

APVD FOR ENGRG
DATE

APVD FOR ENGRG
DATE

APVD FOR
DATE

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994

MATERIAL PROCESS FINISH MILITARY DESIGNATION

PROCESS FINISH SEE 00.40.

ITEM CODE (PER EB690304) 3

THIRD ANGLE PROJECTION

DWG CLASS A

FIRST USED ON 7026201

FOR HONEYWELL REFERENCE

MFG REF NO.

DPA NO. A24847

PRODUCT LINE NO. 6720

AW/PS ANALYSIS EB 7510800

REF DWG

REF SPEC

7026201

7026201

NEXT ASSY

USED ON (SYS)

APPLICATION

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5231-040 (ASME Y14.5M-1994) HONEYWELL, INC.
(REV 3-87)

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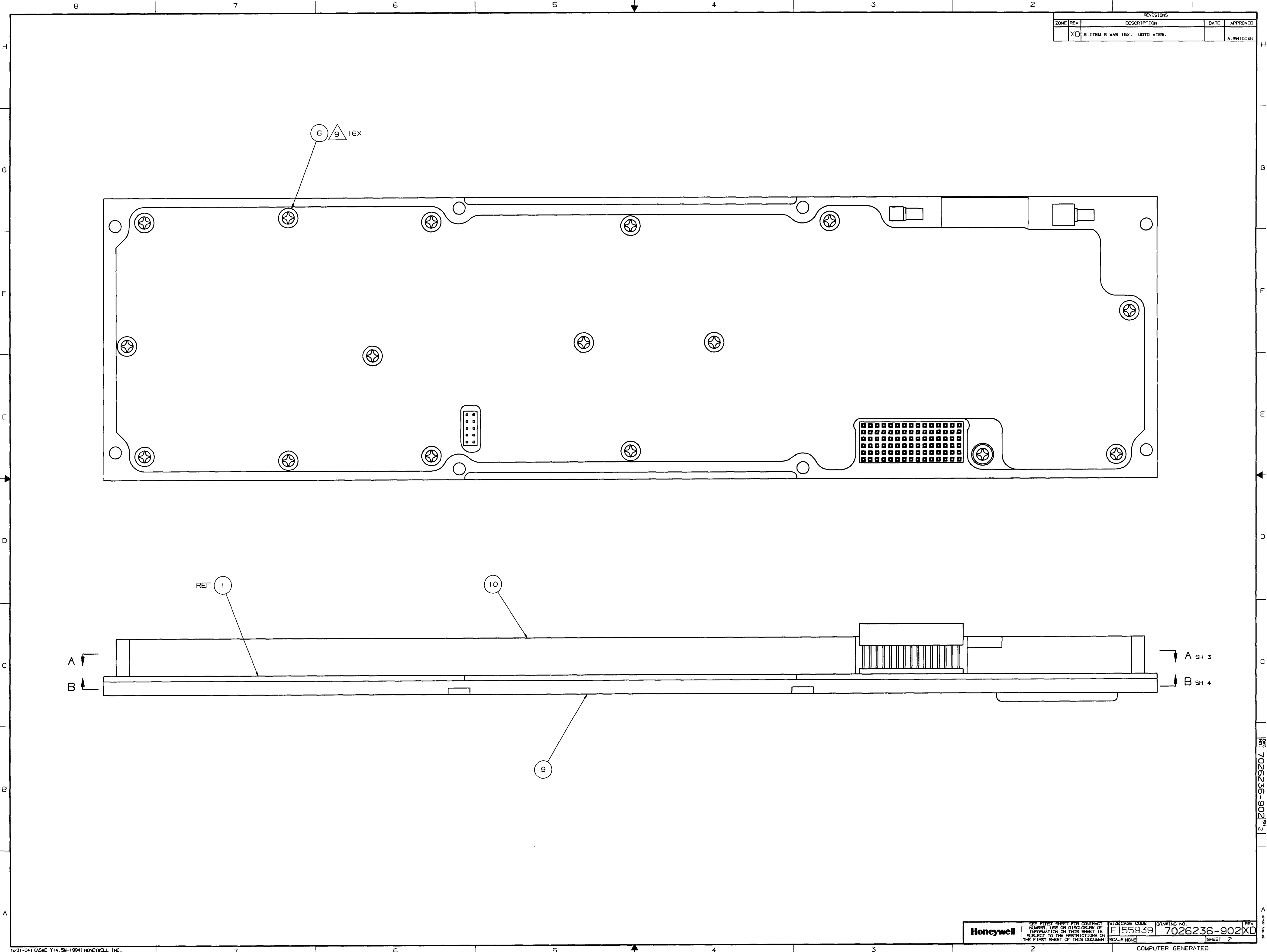
3

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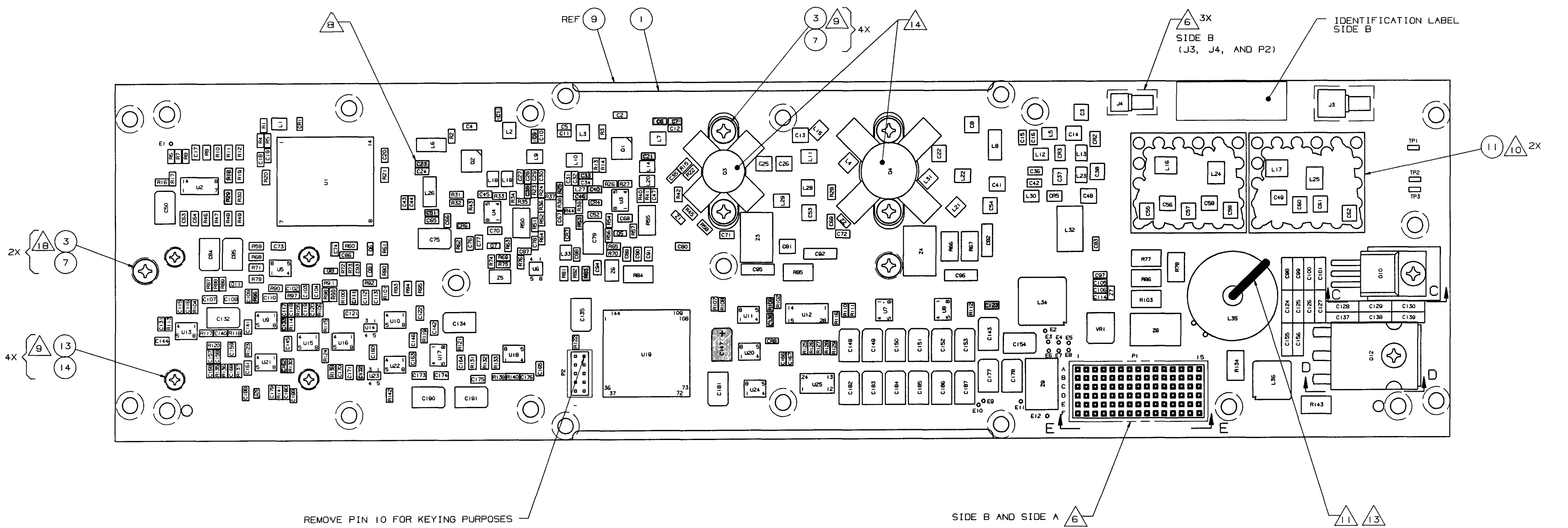
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OCT 22 2001 awhidden 11:00:01

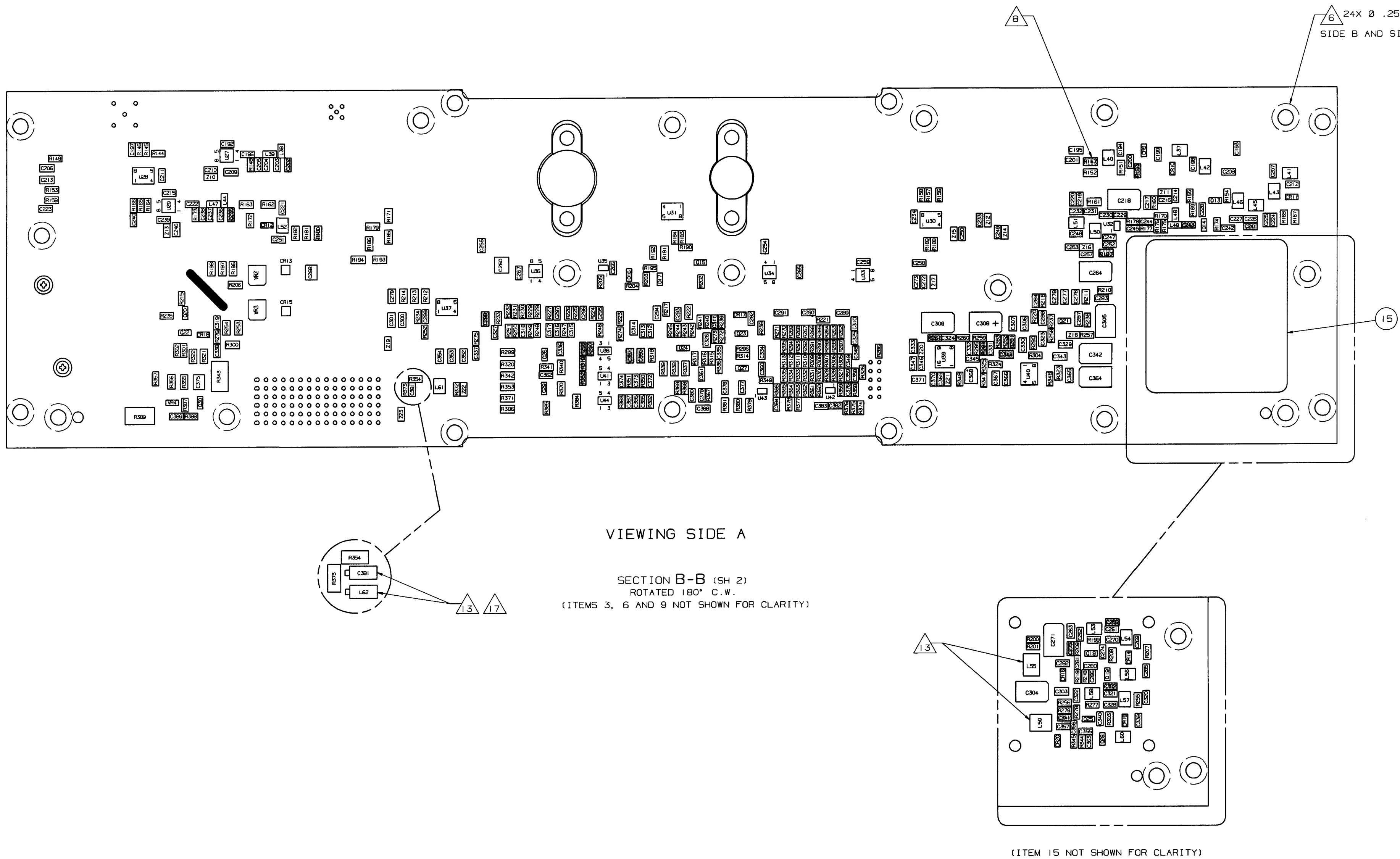


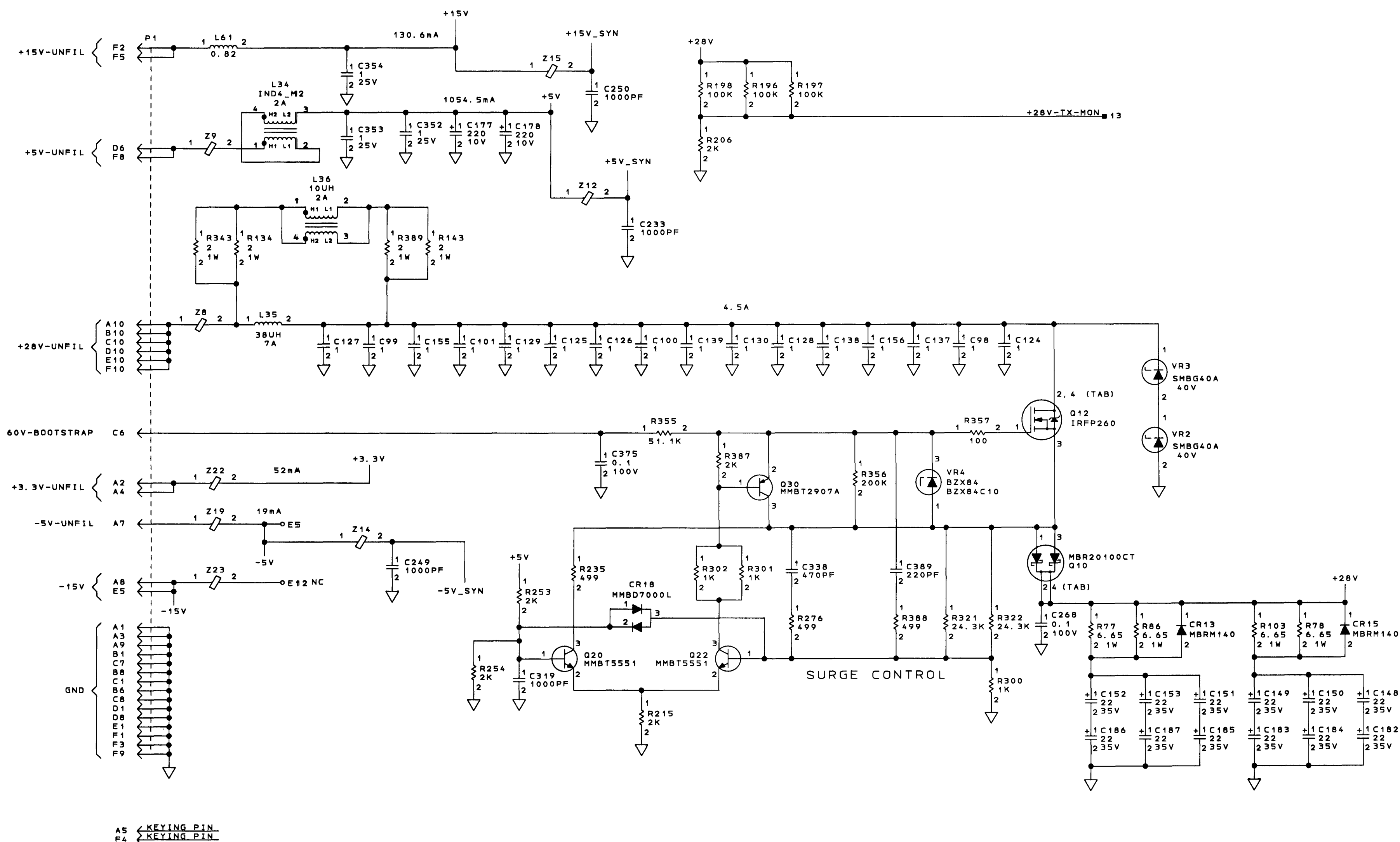
REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	X	B. ITEM 6 WAS 15X. UOTO VIEW.	
			A. WHIDDEN

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
XD		ADD NOTE 13, 14, 18 CALLOUT. MOTO VIEW.	
			APPROVED
			A. WHIDDEN



REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	XD	ADD NOTE 6, 13, 17 CALLOUT. UOTD VIEW.	
			APPROVED
			A.WHIDDEN





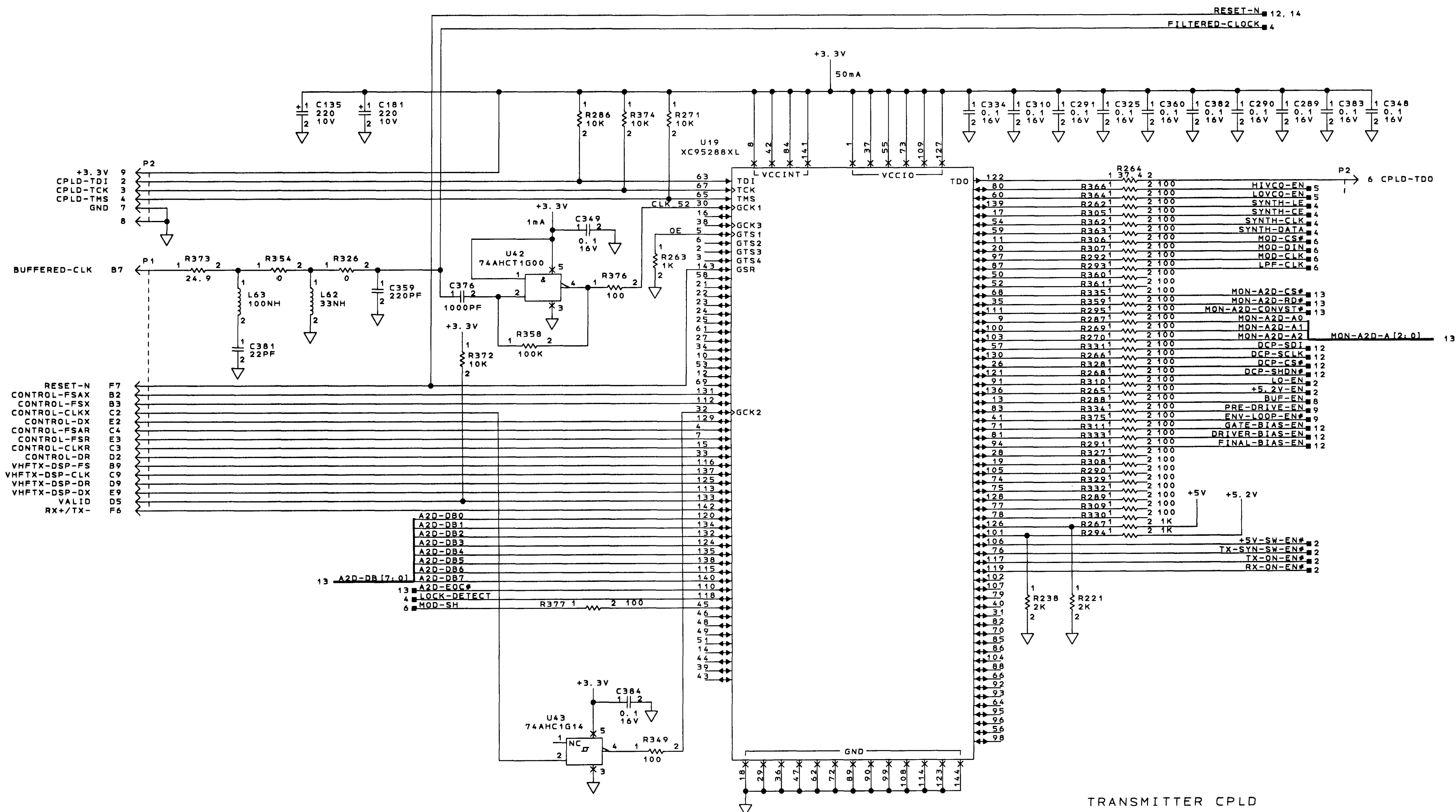
- NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL CAPACITANCE VALUES ARE IN MICROFARADS.
2. ALL RESISTANCE VALUES ARE IN OHMS.
3. ALL INDUCTANCE VALUES ARE IN MICROHENRIES.
4. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN;
FOR COMPLETE DESIGNATIONS PREFIX PART
DESIGNATION WITH SUBASSEMBLY DESIGNATION.
5. INTERPRET DRAWING PER ANSI Y32.2-1975 AND
ANSI/IEEE STD 91-1986. LOGIC SYMBOLS
CONFORM TO ANSI/IEEE STD 91-1984.

SHUTDOWN TO CPLD THRU COMPARATOR
SMALL BEADS OK FOR PWR LINES??
Z7 CURR RATING
Z12, Z13 BIG PADS, 2 VIAS EACH SIDE
REDO CURRENT DRAW .XLS

POWER INPUTS/28V SURGE CONTROL
SCHEMATIC DIAGRAM SHEET NO. 1 OF 15

COMPUTER GENERATED

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
XD		THIS SHEET EXTENSIVELY REVISED.	PAUL C.



WILL NEED TO SWAP PIN OUTS-GREG

TRANSMITTER CPLD
TRANSMITTER CPLD
SCHEMATIC DIAGRAM SHEET NO. 3

COMPUTER GENERATED

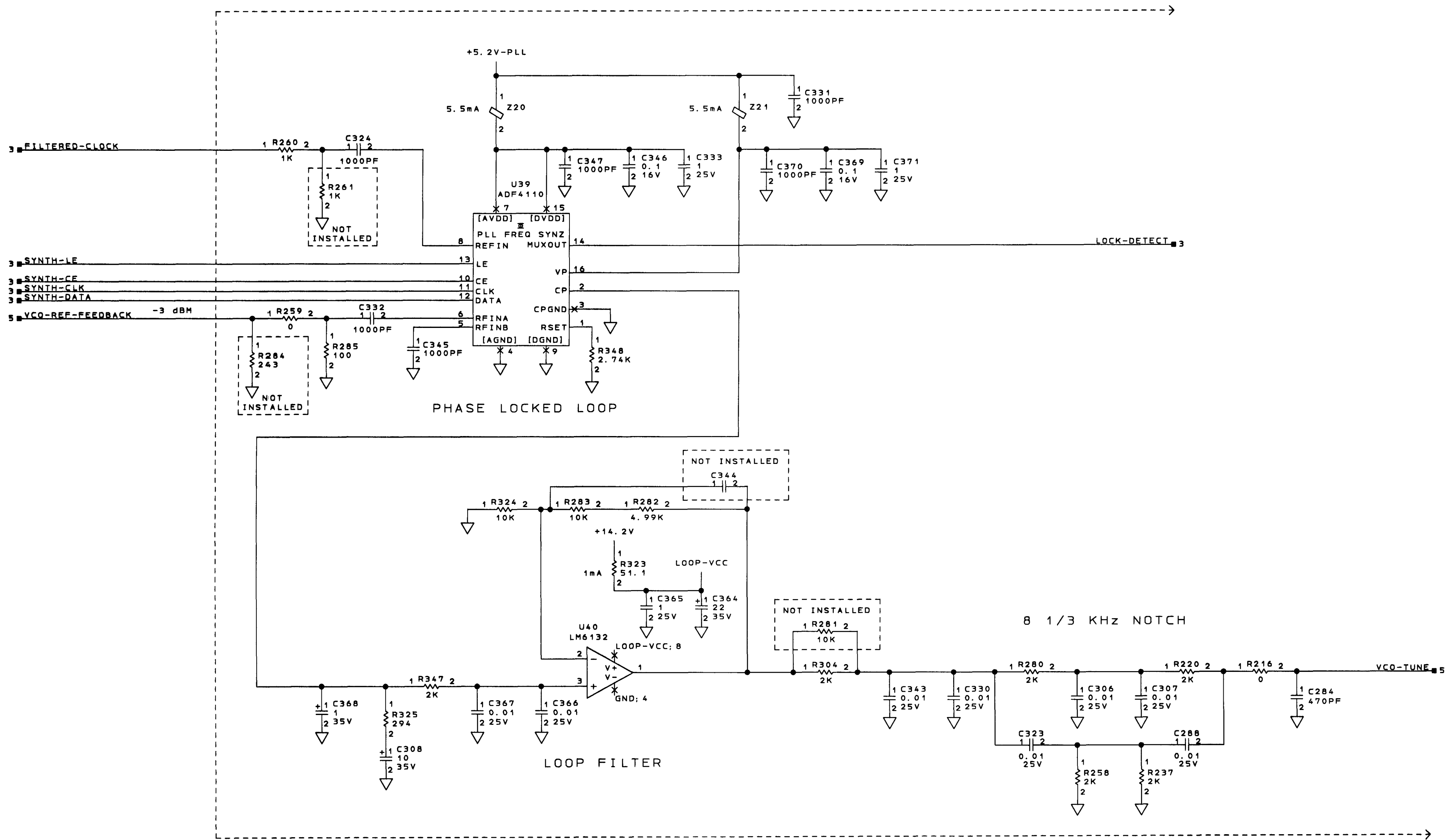
10-11-2001 11:57 PAUL COBLENTZ

Honeywell SEE FIRST SHEET FOR CONTRACT NUMBER. USE ON DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.

SIZE E 55939 DRAWING NO. 7026236-902 REV 7

SCALE SHEET 7

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
XD		REFDES R261 WAS INSTALLED; PN WAS 7022518-392.	PAUL C.



ADJUST LEVELS ON CLOCK
CE PIN OFF GRID

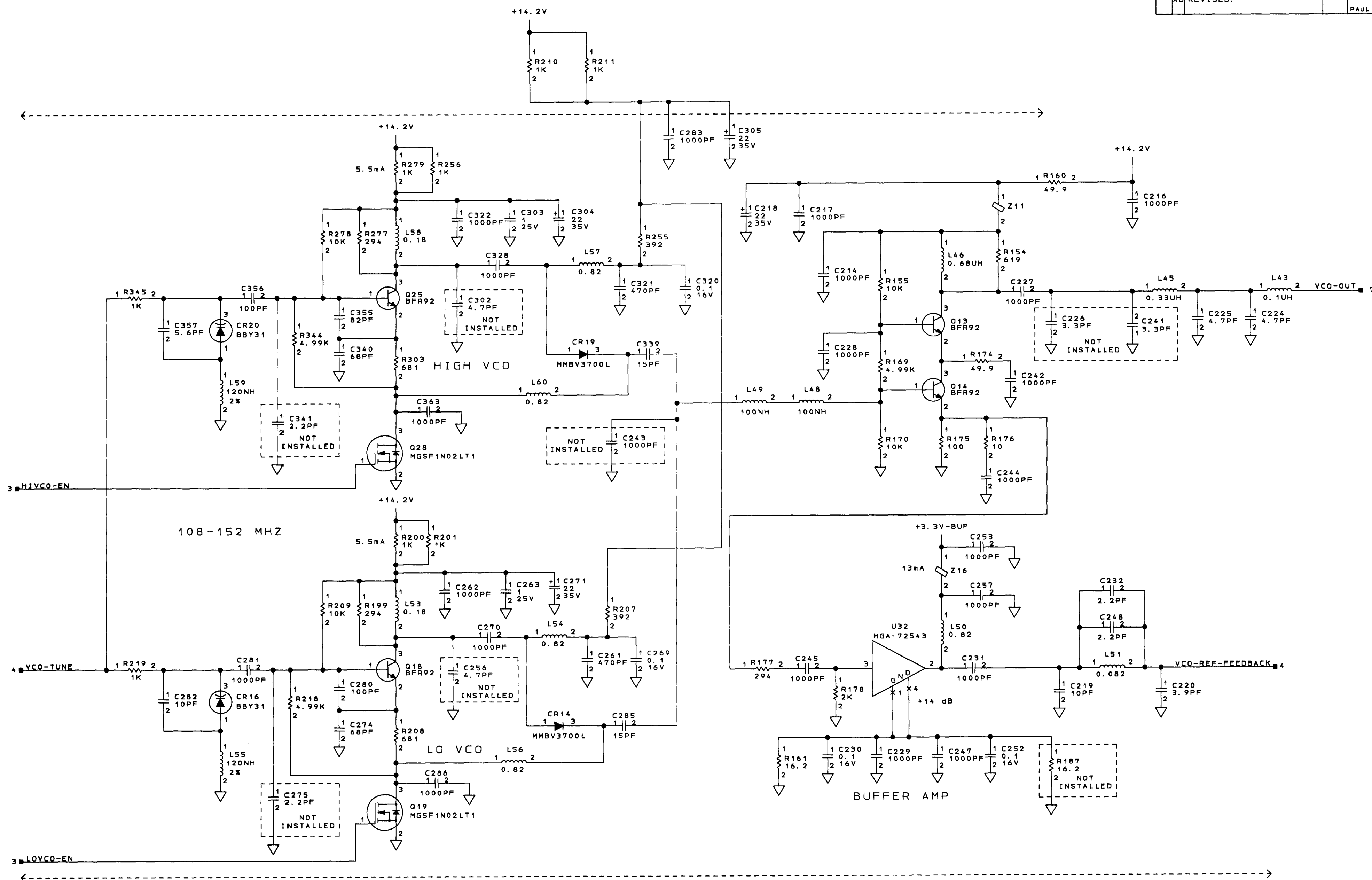
NOTE: LM6132 MADE FROM LM1458 SYMBOL, SEE SHEET 13 ALSO

SYNTHESIZER PLL/ LOOP FILTER
SCHEMATIC DIAGRAM SHEET NO. 4

COMPUTER GENERATED			
10-11-2001 11:57	PAUL COBLENTZ	SIZE	CAGE CODE
Honeywell	SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.	E 55939	7026236-902 XD
SCALE			SHEET 8

7026236-902
8
DATELINE

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
		THIS SHEET EXTENSIVELY XD REVISED.	
			PAUL C.

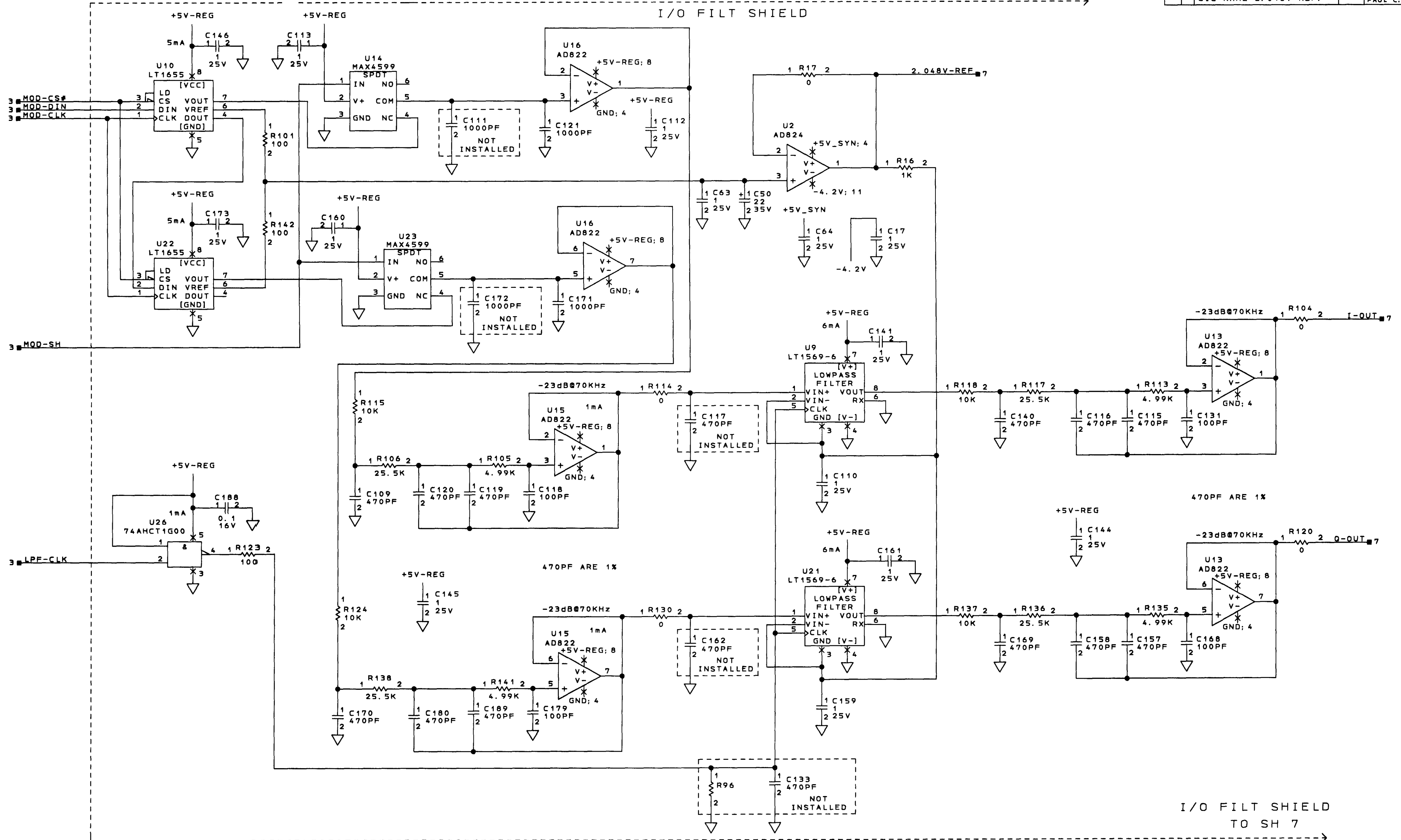


SYNTHESIZER VCO'S/BUFFER AMPS
SCHEMATIC DIAGRAM SHEET NO. 5

COMPUTER GENERATED

10-11-2001 12:39	PAUL COBLENTZ	SIZE	CAGE CODE	DRAWING NO.	REV
Honeywell		E	55939	7026236-902	XD
SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.		SCALE		SHEET 9	

REV		REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION			
		REFDES R17; PIN 2 WAS CONN TO REFDES R16, PIN 1 AND REFDES U2, PIN 1 XD ONLY. REFDES R16, PIN 2, REFDES U9 AND U21, PIN 2 AND 3 WAS CONN TO SIG NAME 2. 048V-REF.			PAUL C.

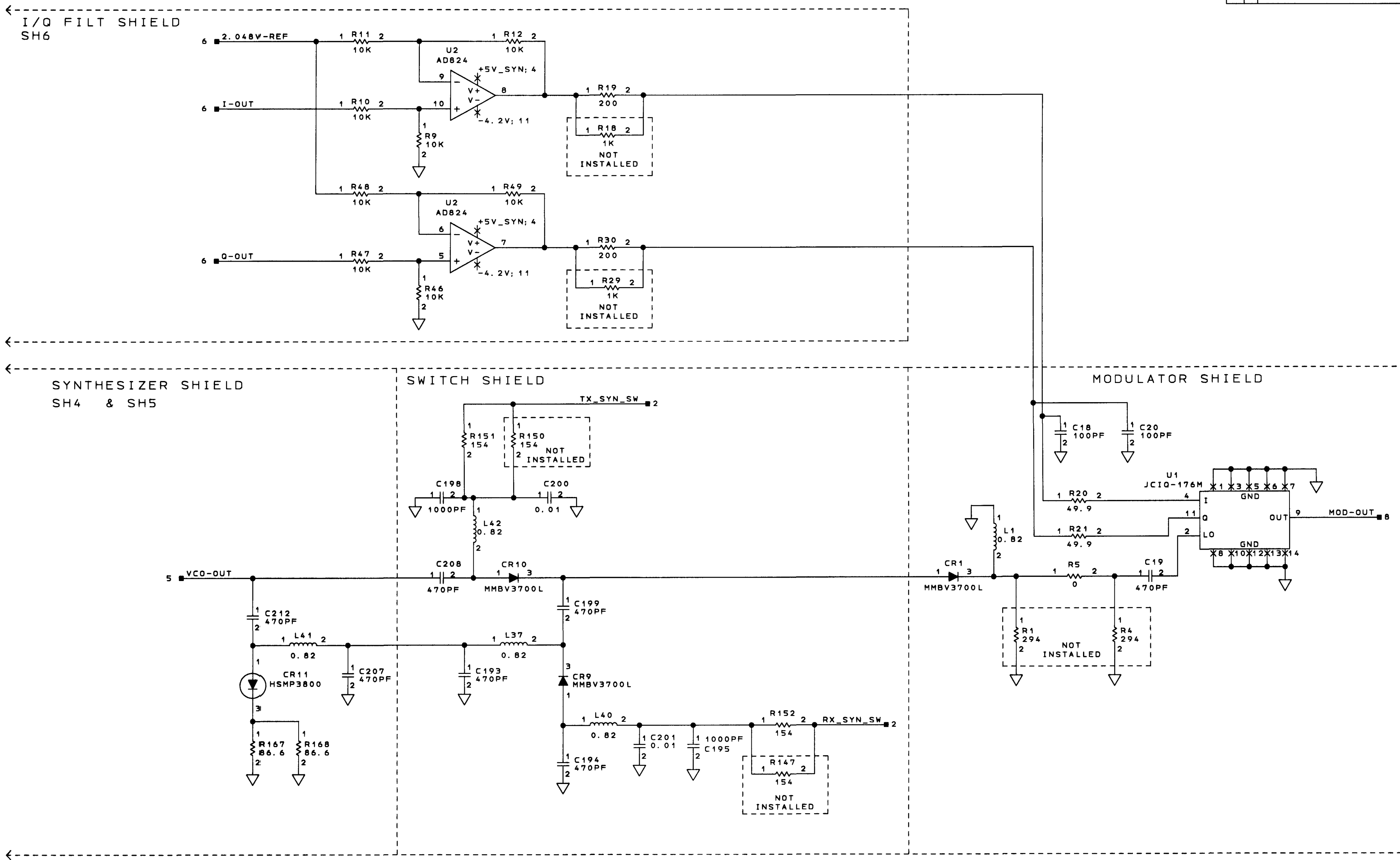


IQ DAC'S/IQ FILTERING
SCHEMATIC DIAGRAM SHEET NO. 6

COMPUTER GENERATED

10-11-2001 14:36	PAUL COBLENTZ	SIZE	CAGE CODE	DRAWING NO.	REV
Honeywell		E	55939	7026236-902	XD
SCALE					SHEET 10

REV		REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION			
		REFDES CR10, CR9, CR1; GENERIC TYPE WAS HSMP3800, PN WAS 7500361-100. REFDES R5; PN WAS 7022518-223, VAL WAS 17.4. REFDES R1, R4 WAS INSTALLED; PN WAS 7022518-341.			PAUL C.



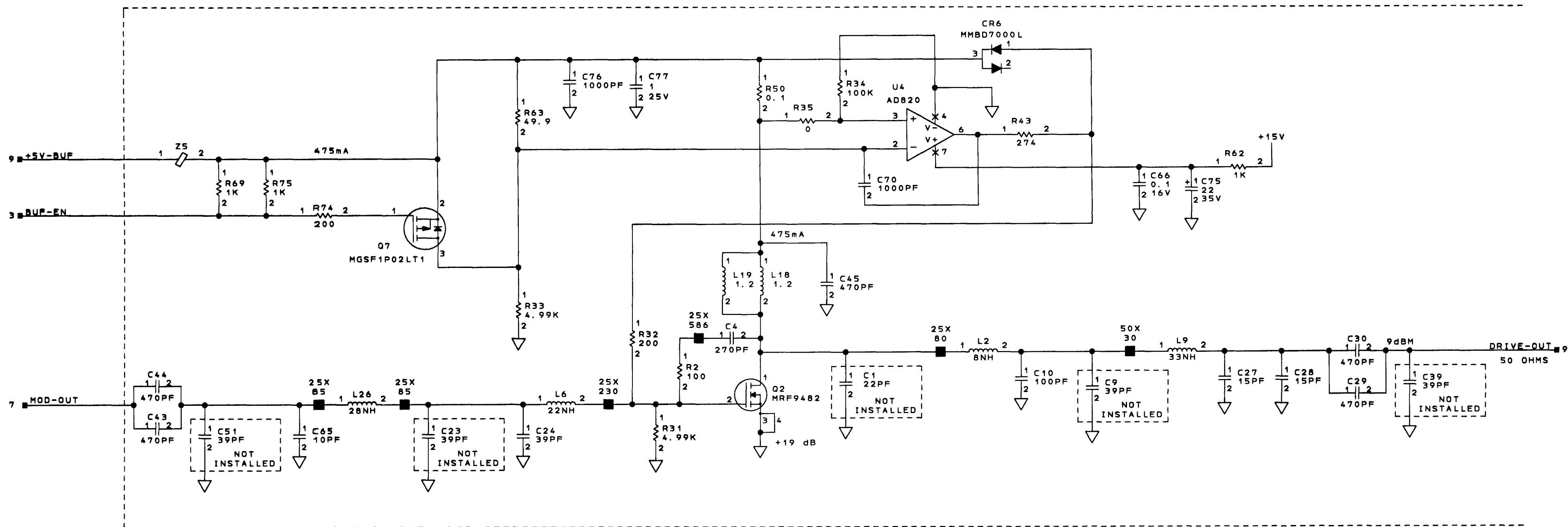
DIVIDE BY 2/VECTOR MODULATOR
SCHEMATIC DIAGRAM SHEET NO. 7

COMPUTER GENERATED

10-11-2001	14:41	PAUL COBLENTZ	SIZE	CAGE CODE	DRAWING NO.	REV
Honeywell	SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.	E 55939	7026236-902	XD	11	11

7026236-902 11 11

ZONE REV		DESCRIPTION	DATE	APPROVED
		REFDES C10; PN WAS 7022904-820, VAL WAS XD 82PF, REFDES L9; PN WAS 7029531-28, VAL WAS 28NH.		PAUL C.



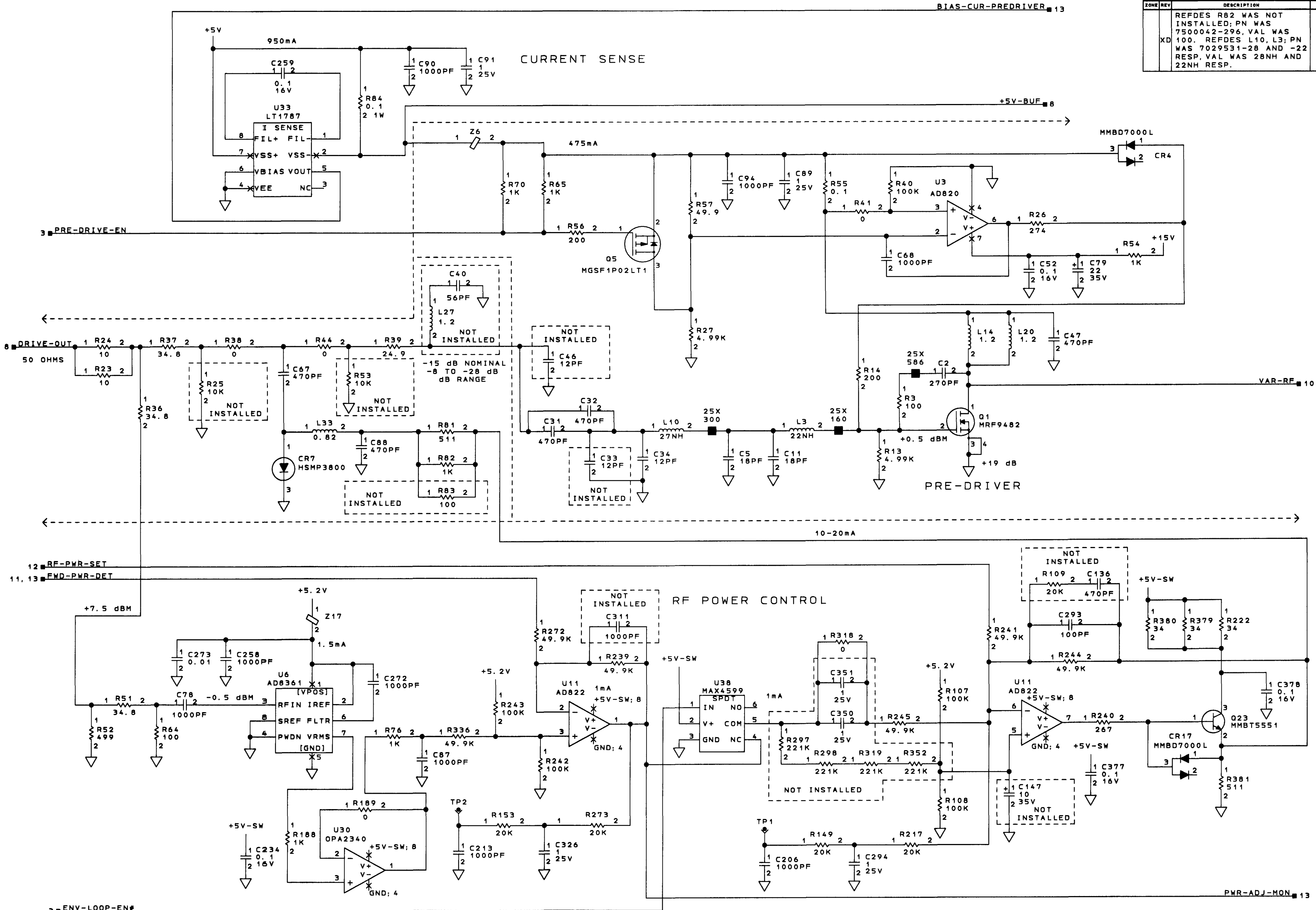
3 RF BUFFER AMPS/LOW PASS FILTER
SCHEMATIC DIAGRAM SHEET NO. 8

COMPUTER GENERATED

10-11-2001 11:57	PAUL COBLENTZ	SIZE	E 55939	CAGE CODE	7026236-902	REV	12
Honeywell		SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.		SCALE		SHEET 12	

7026236-902 12

REV		REVISIONS		DATE	APPROVED
1	1	REFDES R82 WAS NOT INSTALLED; PN WAS 7500042-296, VAL WAS 100. REFDES L10, L3; PN WAS 7029531-28 AND -22 RESP. VAL WAS 28NH AND 22NH RESP.			PAUL C.



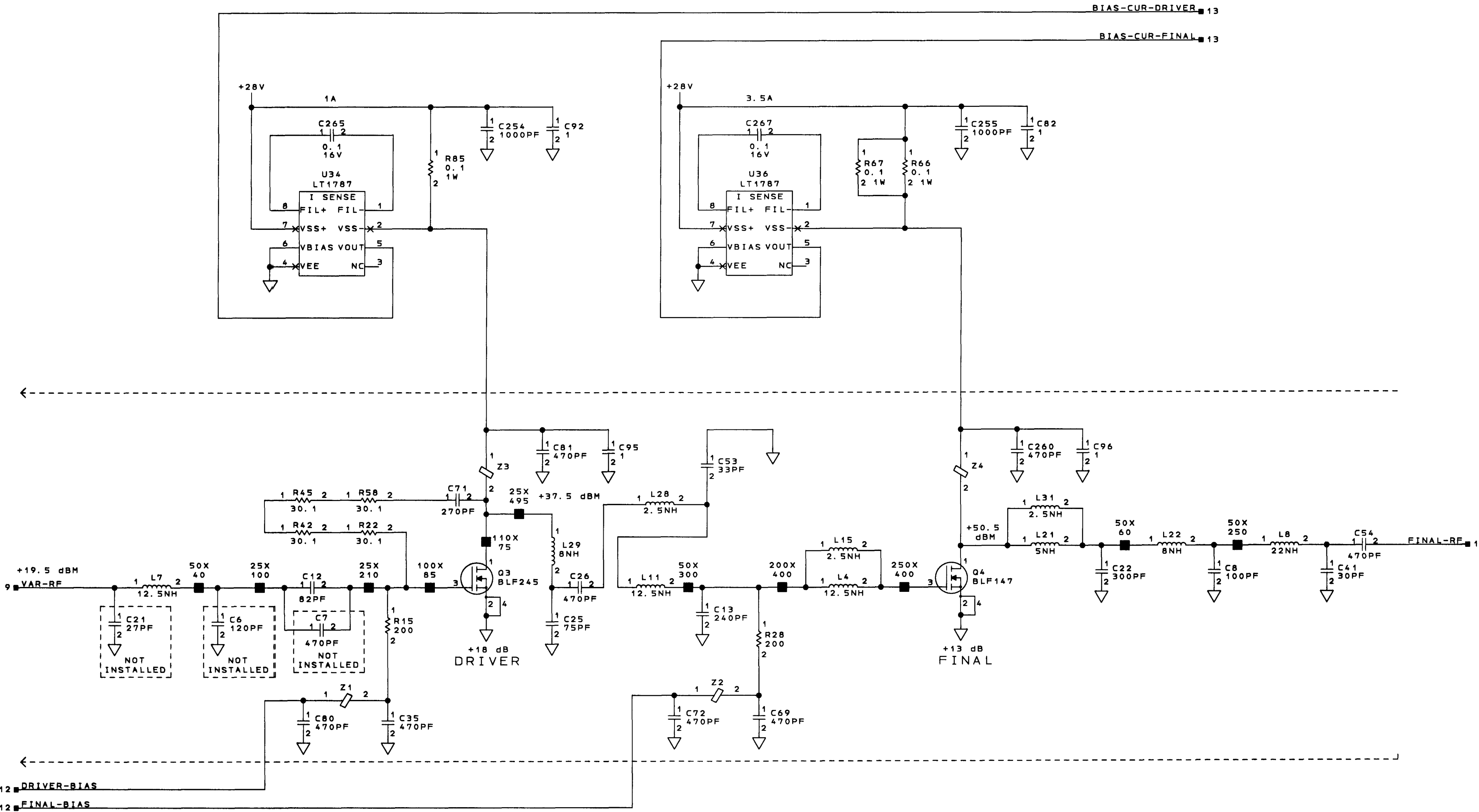
RF POWER CONTROL
PRE-DRIVER/CURRENT SENSE
SCHEMATIC DIAGRAM SHEET NO. 9

COMPUTER GENERATED

10-11-2001 12:30	PAUL COBLINTZ	SIZE	CAGE CODE	DRAWING NO.	REV
Honeywell	E 55939	7026236-902	XD	13	

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
		REFDES C35; PN WAS 7011730-509, VAL WAS 470PF. REFDES C53; PN WAS 7015930-164, VAL WAS 56PF. REFDES L22; PN WAS 7021384-2, VAL WAS 5NH.	
			PAUL C.

CURRENT SENSE



DRIVER/FINAL/CURRENT SENSE
SCHEMATIC DIAGRAM SHEET NO. 10

COMPUTER GENERATED

10-11-2001 14:47 PAUL COBLENTZ

SEE FIRST SHEET FOR CONTRACT NUMBER, USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.

Honeywell

SIZE/CAGE CODE

E 55939

DRAWING NO.

7026236-902

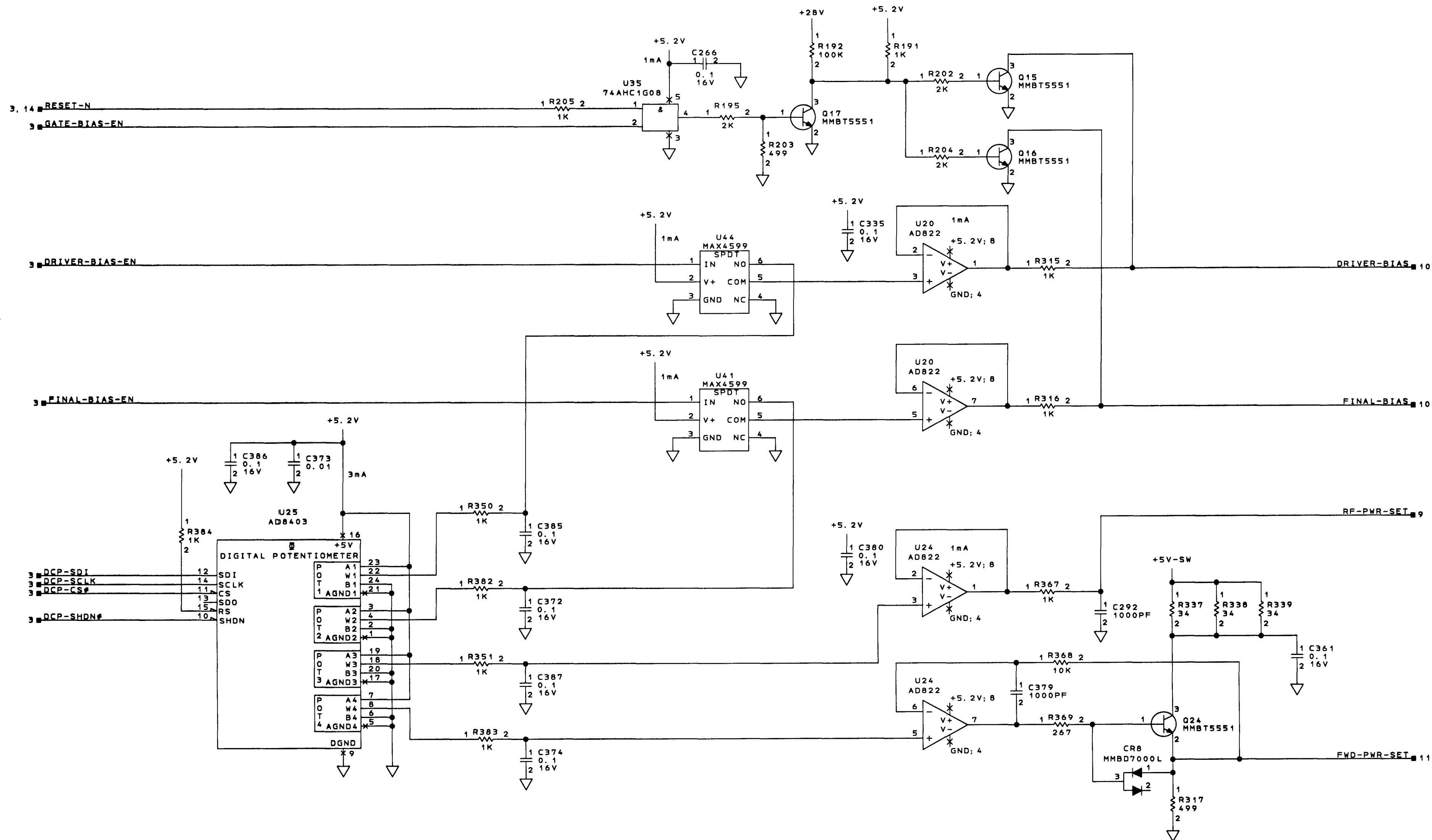
REV

XD

SCALE

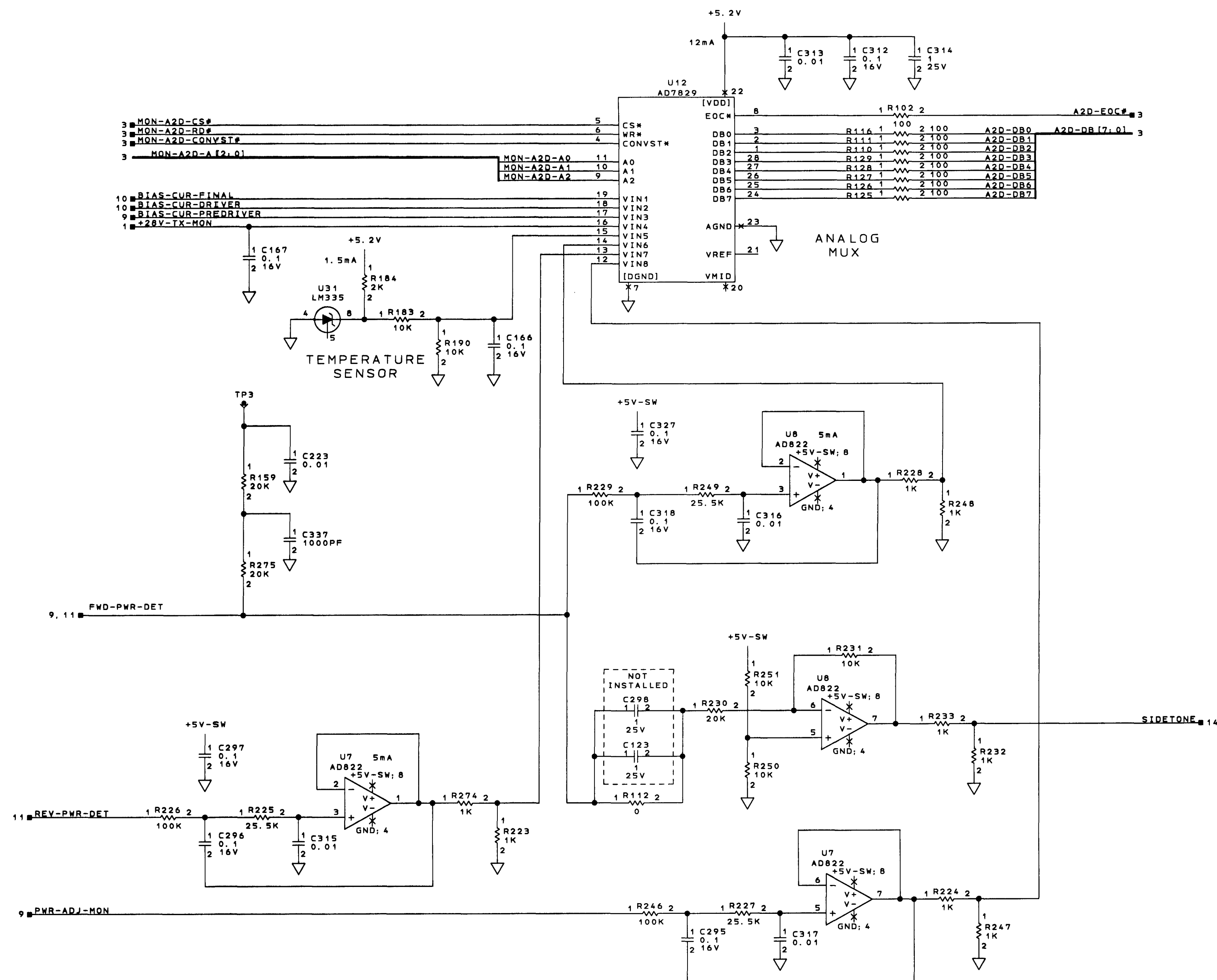
SHEET

14

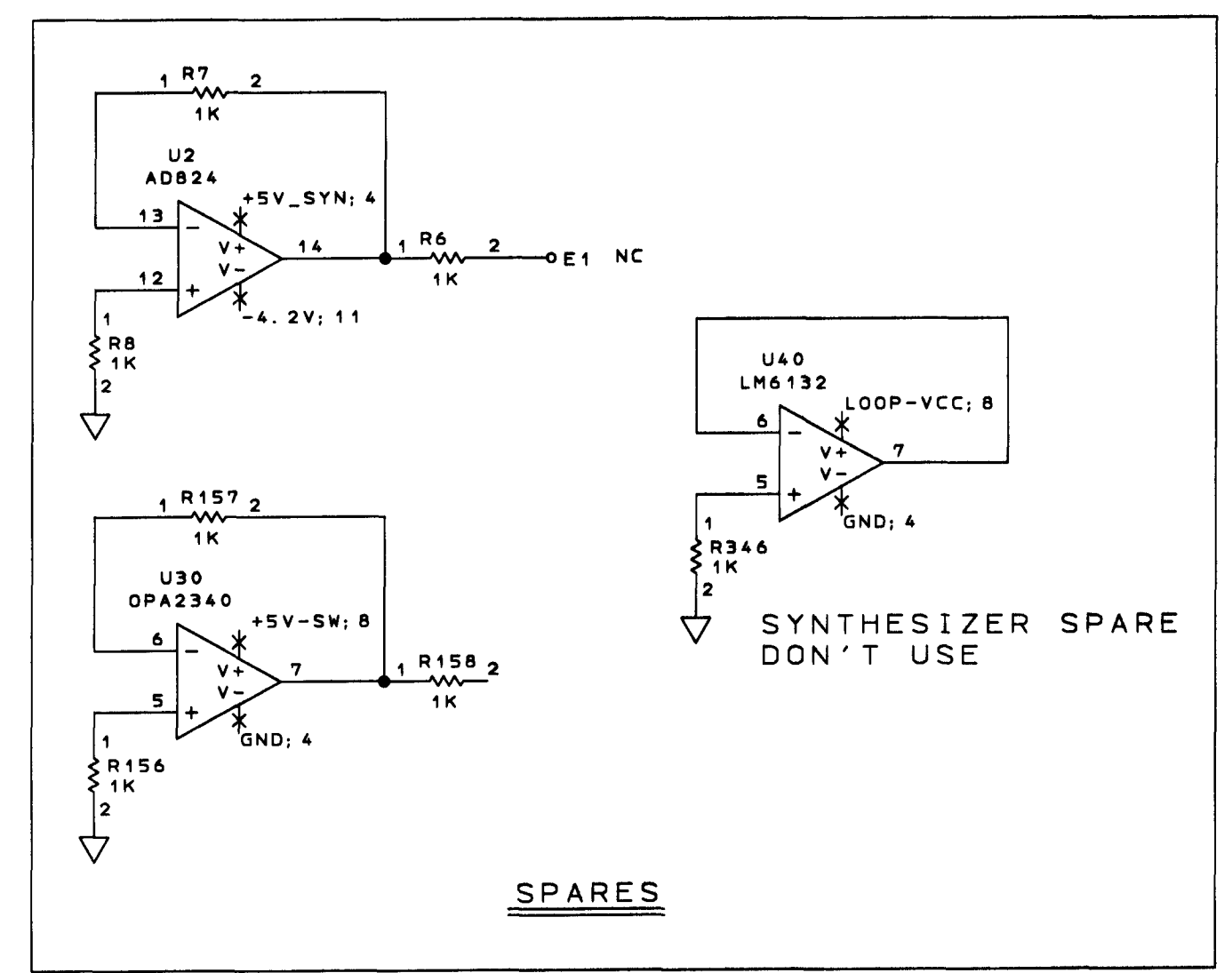
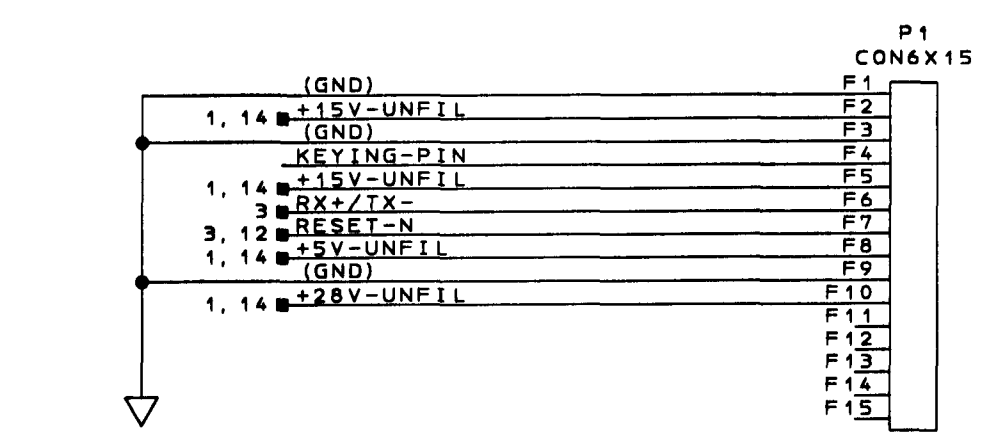
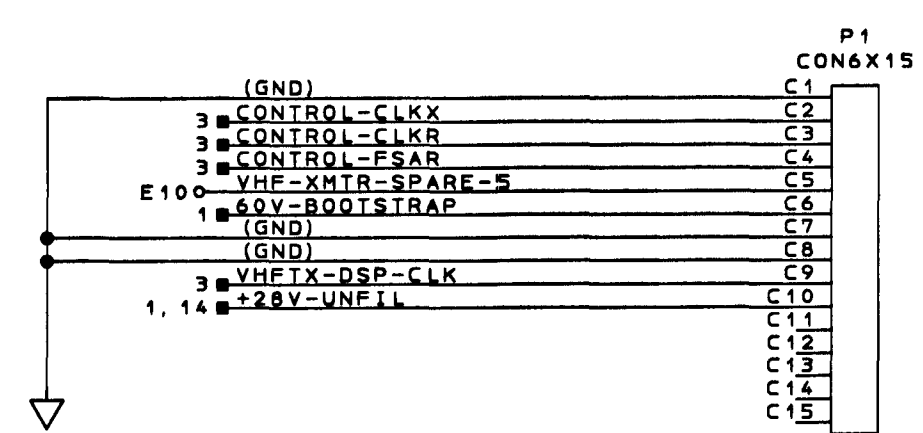
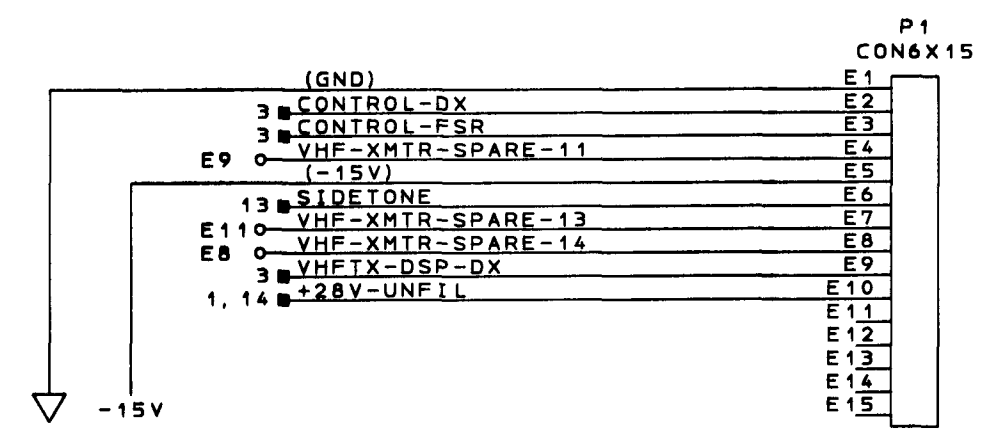
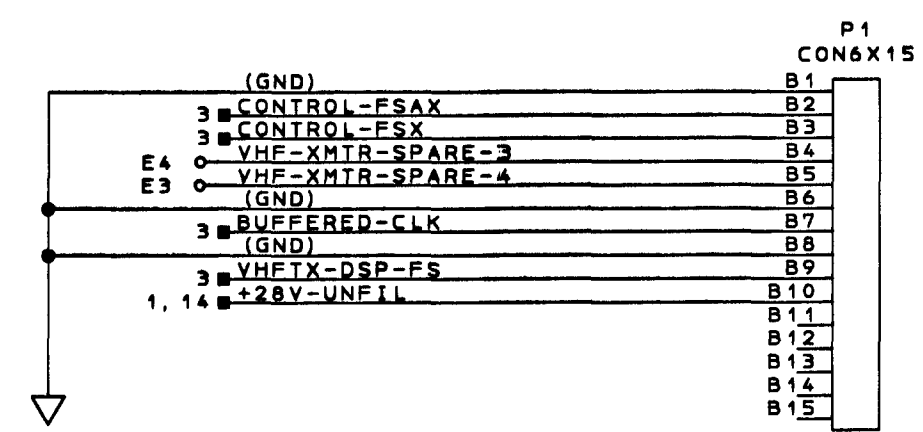
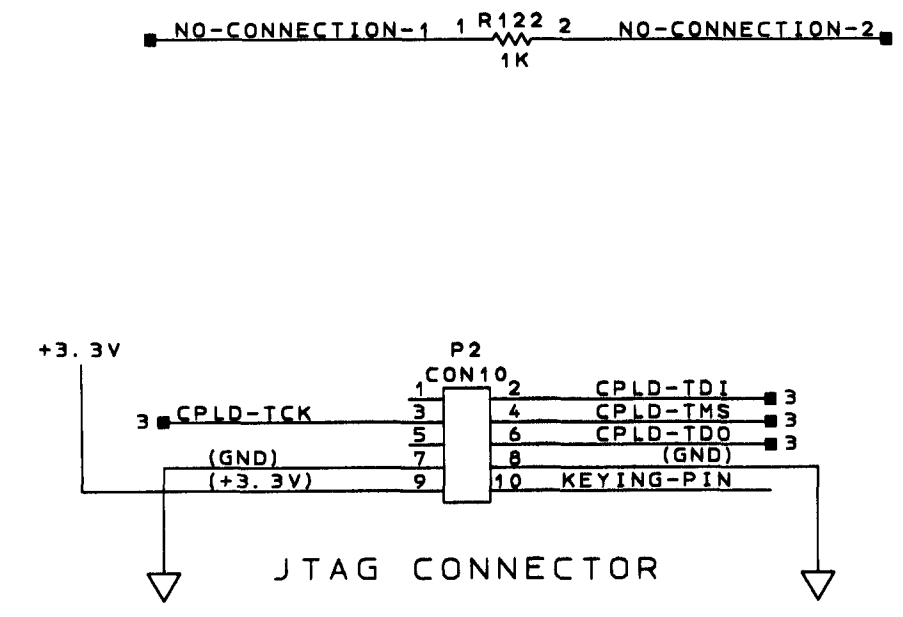
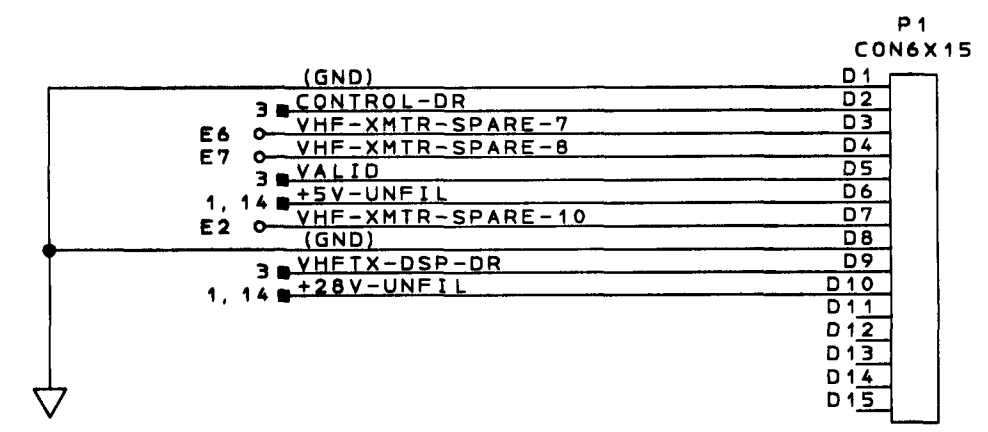
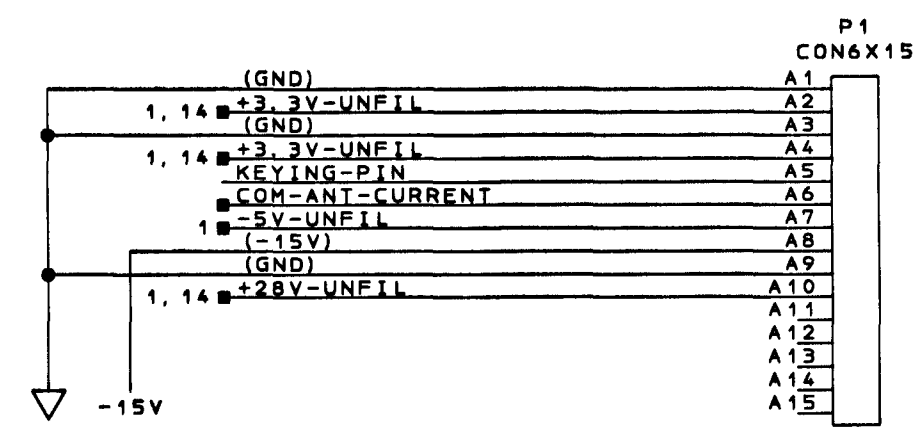


DRIVER/FINAL BIAS SET
RF POWER SET/FORWARD POWER SET
SCHEMATIC DIAGRAM SHEET NO. 12

COMPUTER GENERATED



TEMPERATURE SENSER/ANALOG MUX
POWER DETECTOR FILTERS/SIDETONE
SCHEMATIC DIAGRAM SHEET NO. 13



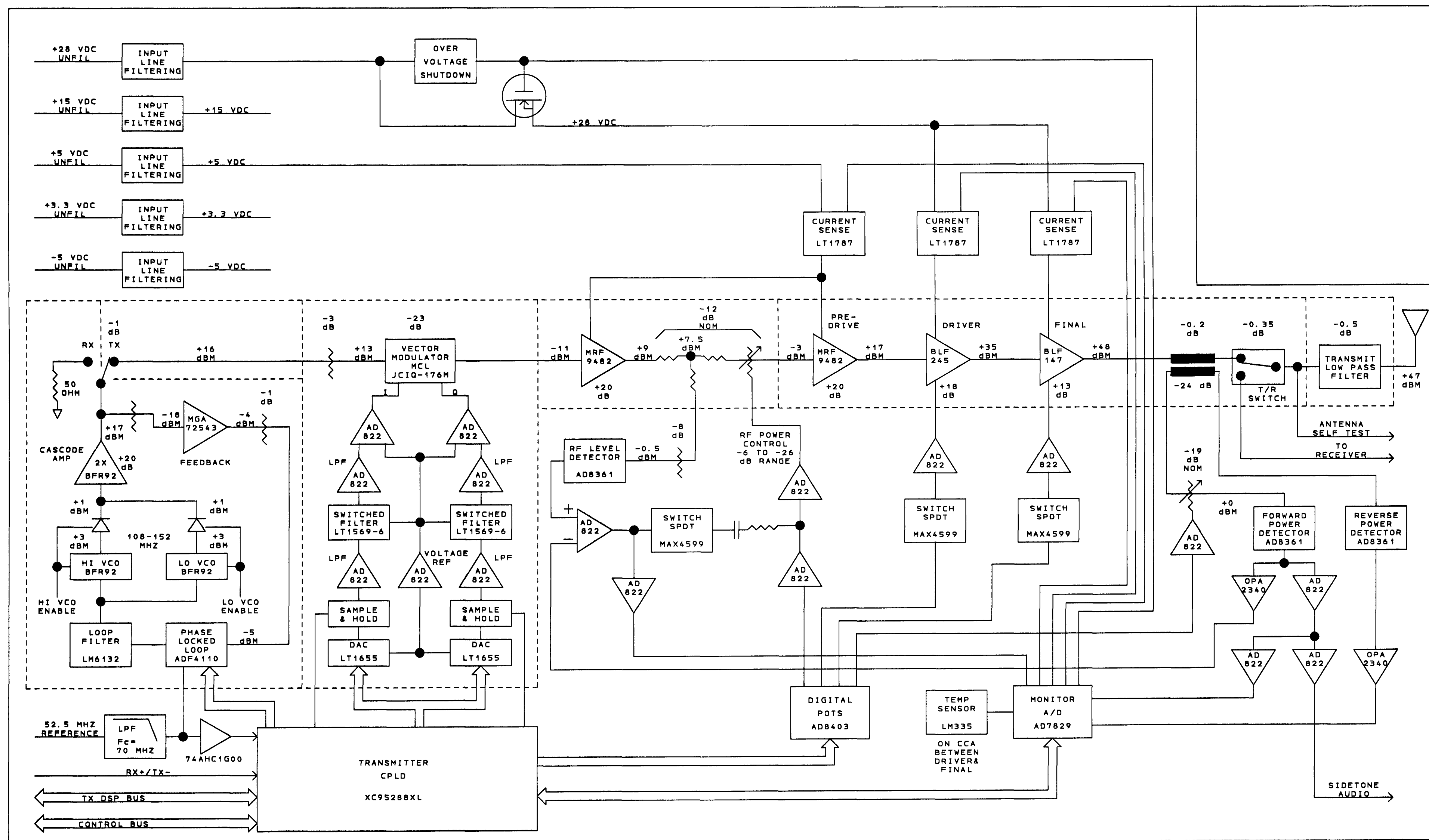
CCA CONNECTOR

SPARES

ADD OUTLINE/CODES

CONNECTOR PIN SUMMARY
AND SPARE COMPONENTS
CAD REFERENCE/REQUIREMENT
SCHEMATIC DIAGRAM SHEET NO. 14

COMPUTER GENERATED



BLOCK DIAGRAM
SCHEMATIC DIAGRAM SHEET NO. 15

COMPUTER GENERATED