

ZONE	REV	REVISIONS		DATE	APPROVED
		DESCRIPTION			
	XA	INITIAL X RELEASE OF SHEETS 1 THRU 21		14DEC01	E. THIESSEN
	XB	PHOTO VIEW. NOTES: ADD NOTE 14. SH 10X REV. PL AFFECTED.		01MAR02	E. THIESSEN
	XC	CHANGED PER MARKED PRINT.			J. PERRY R. RICHARDS
	XE	INCORPORATE CHANGES.			J. BELSER R. RICHARDS
	XF	NOTES: NOTE 3 WAS MAXIMUM---.350. NOTE 12 WAS MARK---USE---SHOWN. TABLES: TABLE IV; COND NO 601 FIND NO WAS 705 706. SH 10X REV. PL AFFECTED.			<i>[Signature]</i> J. OLSON

NOTES:

1. ASSEMBLE PER ITEM 701.
- 

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.
3. THIS CCA IS SKYLINE WITH COMPONENTS ON 7026230-9XX. THE DISTANCE BETWEEN CCA'S IS .350 MAX SO MAXIMUM COMPONENT HEIGHT, SIDE B, SHALL BE .350 EXCEPT P1.
4. COMPONENT LEAD PROTRUSION SHALL BE .060 MAXIMUM ON BOTH SIDES, BARE COPPER IS PERMISSIBLE ON 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. SHADED COMPONENTS ARE NOT INSTALLED.
8. SOME COMPONENTS SHOWN OVERSIZE TO PROVIDE SPACE FOR DESIGNATORS.
9. INSTALL STANDOFF (ITEM 2) FROM SIDE B. ROLL OVER AND THREE-POINT STAKE.
10. INSTALL P2 FLUSH TO WITHIN .010 OF PWB (ITEM 1).
11. INSTALL T2 AND T3 WITH .304±.005 CLEARANCE ON SIDE B USING (ITEM 703). WIRE PER TABLES I AND II. ROUTE LEADS APPROXIMATELY AS SHOWN ON SIDE A.
12. MARK APPLICABLE PART NO., DASH NO., REVISION, AND UCN PER FIND NO. 704. LOCATE APPROXIMATELY AS SHOWN.
13. FOR KEYING PURPOSES, REMOVE P2-D21 FLUSH TO WITHIN .020 OF PLASTIC BODY.
14. INSTALL R9, R221, R222, AND R223 AS SHOWN ON SIDE WITH SOLDER TERMINALS ON LANDS.
15. PROGRAM U8 CPLD WITH FIRM WARE LISTED IN TABLE III AT HONEYWELL BEFORE INSTALLATION IN NEXT HIGHER ASSEMBLY.
16. CONNECTOR REFERENCE DESIGNATION ETCHED ON PWB IS INCORRECT.
17. ADD BUS WIRES IN TABLE IV, USE ITEM 705 OR 706

TABLE I T2 TERMINATION TABLE		
PWB SIDE	FROM CIRCUIT POINT	TO CIRCUIT POINT
A	T2-1 (BRN)	E9
A	T2-2 (RED)	E14
A	T2-3 (BLU)	E7
A	T2-4 (YEL)	E17
A	T2-5 (WHT)	E10
A	T2-6 (BLK)	E18
A	T2-7 (GRN)	E13

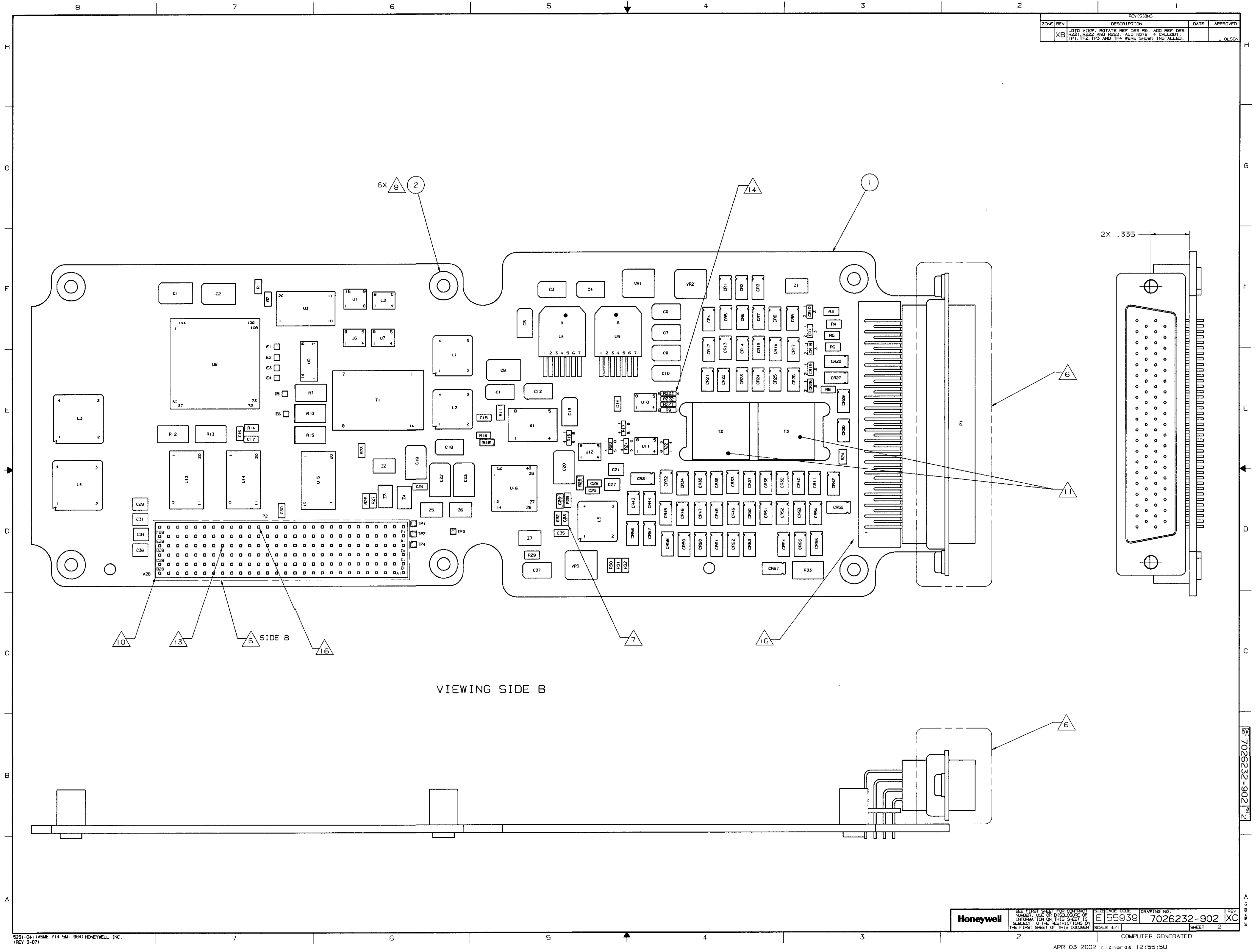
TABLE II T3 TERMINATION TABLE		
PWB SIDE	FROM CIRCUIT POINT	TO CIRCUIT POINT
A	T3-1 (BRN)	E12
A	T3-2 (RED)	E11
A	T3-3 (BLU)	E8
A	T3-4 (YEL)	E20
A	T3-5 (WHT)	E16
A	T3-6 (BLK)	E19
A	T3-7 (GRN)	E15

TABLE III FIRMWARE		
TRUTH TABLE	CKSUM	VERSION
TT7030606-103	EA4B	003

TABLE IV BUSWIRE DATA					
CONDUCTOR		PWB SIDE	FROM CIRCUIT POINT	TO CIRCUIT POINT	DESCRIPTION
COND. NO.	FIND NO.				
601	705 OR 706	A	J1-23	J2B-15	POWER-ON/OFF

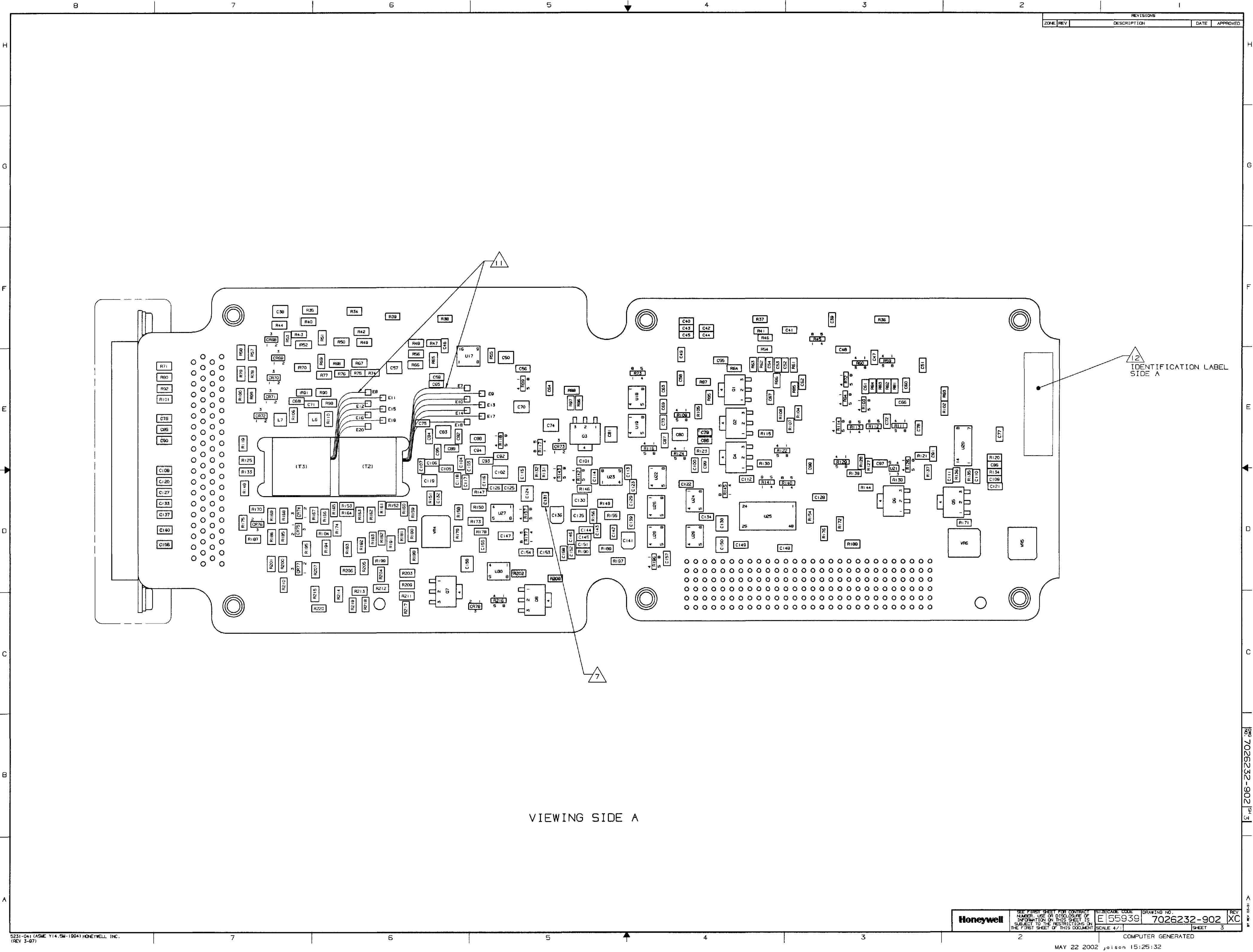
REV STATUS OF PARTS LIST SHALL BE SAME AS BASIC DRAWING NUMBER SEE SEPARATE PARTS LIST

FOR HONEYWELL REFERENCE										OPERATIONAL NOTE									
MFG REF NO.										SIMILAR ASSEMBLY									
OPN NO. A24900										Honeywell									
PRODUCT LINE NO. 3929										COMMERCIAL FLIGHT SYSTEMS GROUP PHOENIX, ARIZONA									
AW/PS ANALYSTS EB 7026149										CIRCUIT CARD ASSEMBLY-MEZZANINE I/O									
REF DWG										TITLE									
REF SPEC										SIZE/CAGE CODE									
7026203 7026203										DRAWING NO. 7026232-902									
7026202 7026202										REV									
7026201 7026201										E155939									
NEXT ASSY USED ON (SYS)										SCALE/UNIT									
APPLICATION										SHEET 1 OF 21									



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
XB	1	LOTO VIEW, ROTATE REF DES R3, ADD REF DES R221, R222 AND R223, ADD NOTE 14 CALLOUT TP1, TP2, TP3 AND TP4 WERE SHOWN INSTALLED.		J. OLSON

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	SIZE/DWG CODE	DRAWING NO.	REV
		E 55939	7026232-902	XC
		SCALE 4/1	SHEET 2	

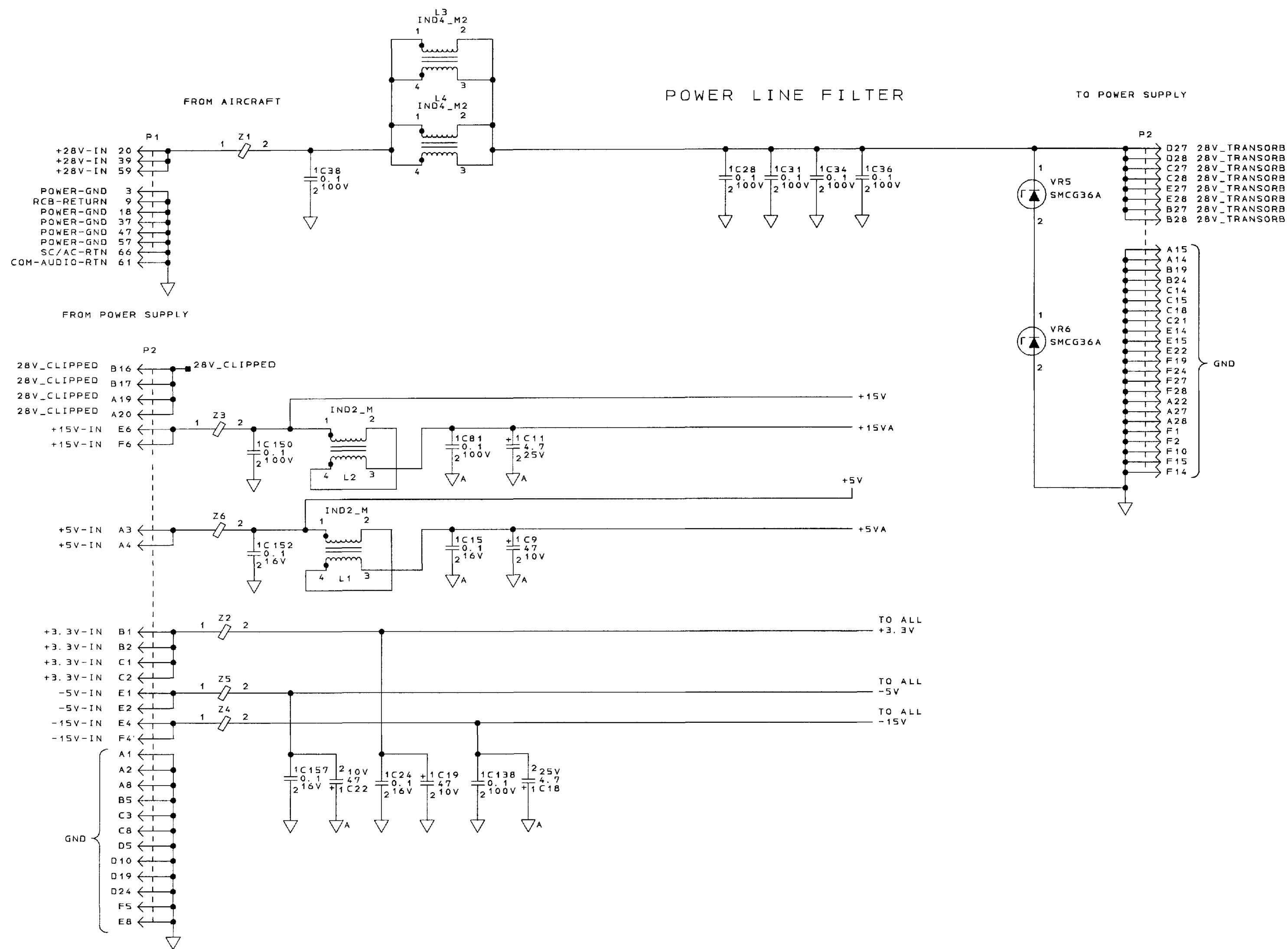


VIEWING SIDE A

IDENTIFICATION LABEL
SIDE A

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
G7	XC	P1 AND P2 WERE J1 AND J2 RESP.	
F7			

R. REISBECK



- 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.

POWER CONNECTIONS
SCHEMATIC DIAGRAM SHEET NO. 1 OF 18

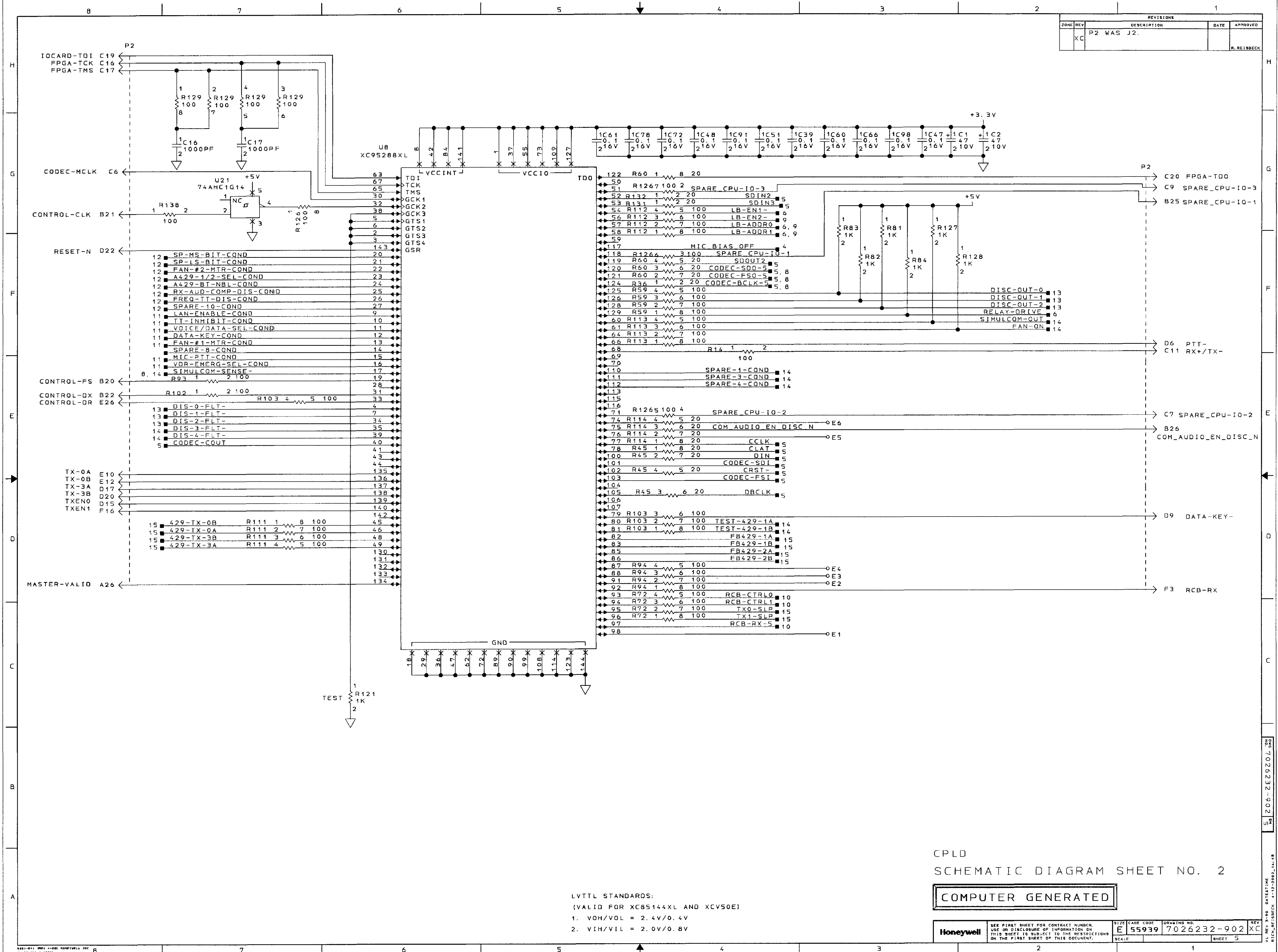
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Honeywell SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.

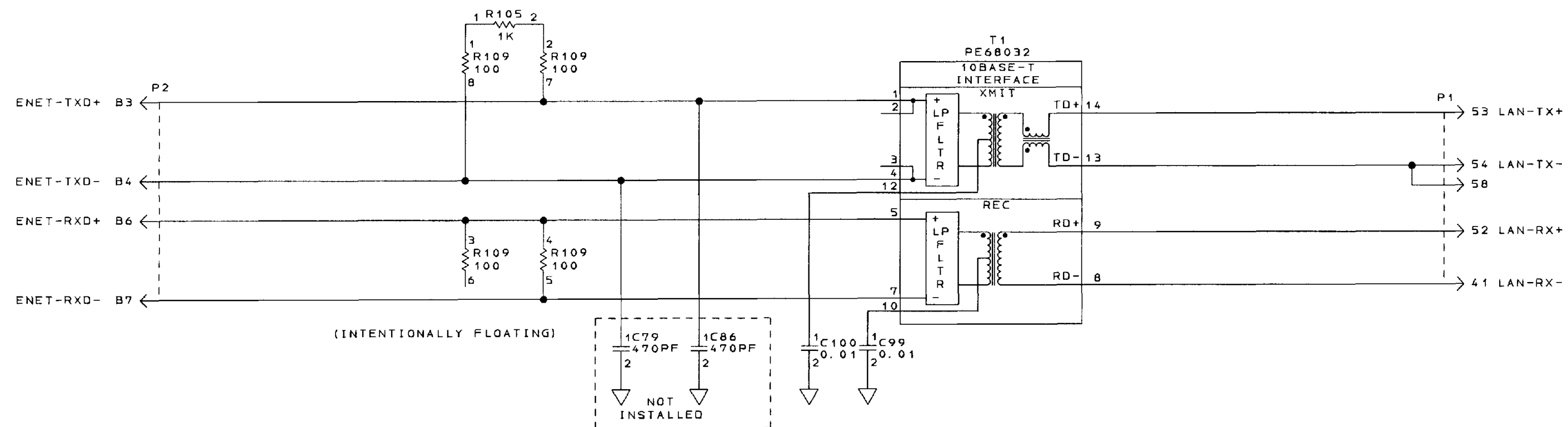
SIZE E 55939 DRAWING NO. 7026232-902 REV 1

SCALE SHEET 4

7026232-902



REVISIONS			
ZONE	REV	DESCRIPTION	DATE
E2	KC	P1 AND P2 WERE J1 AND J2 RESP.	
E7			

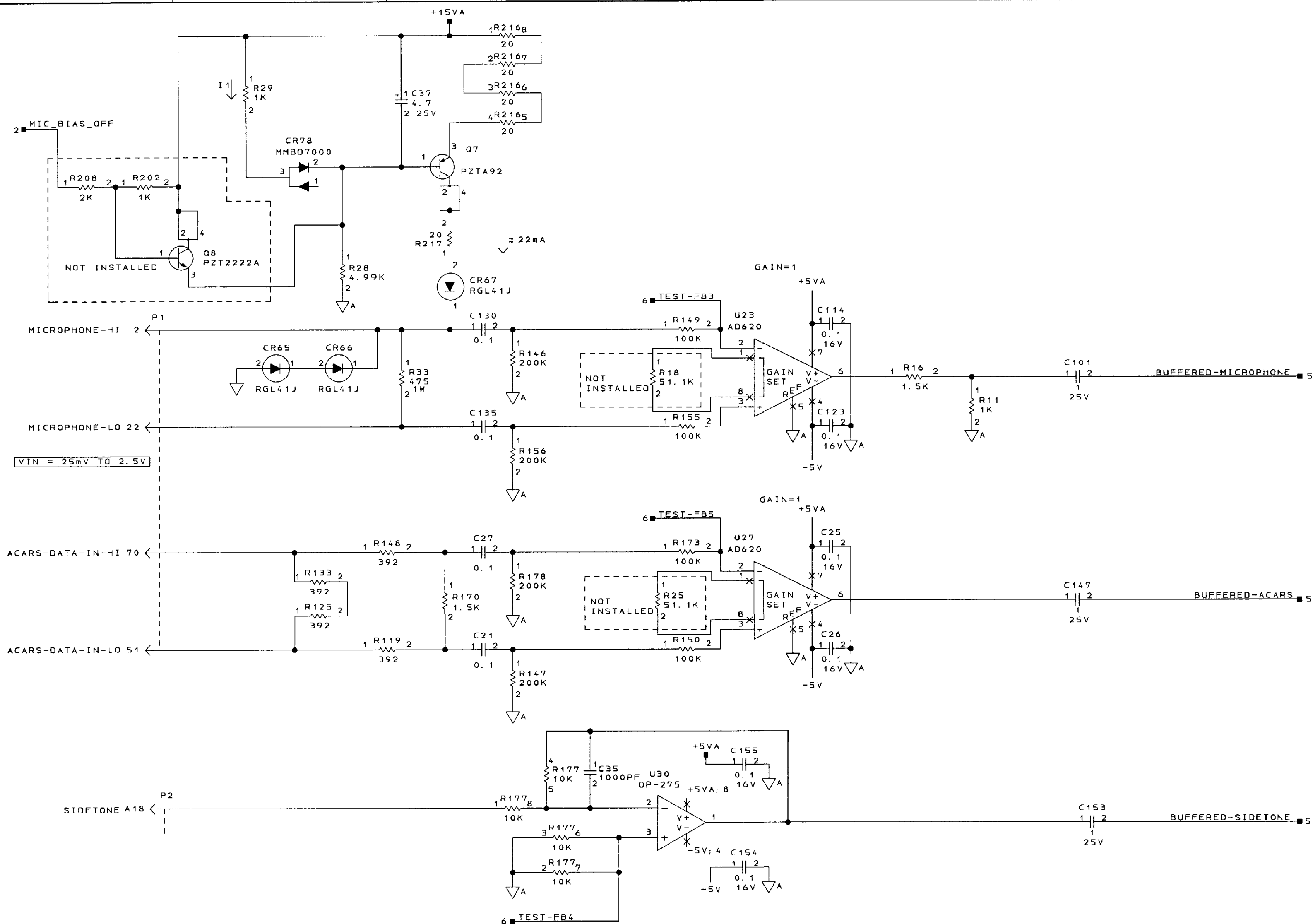


LAN INTERFACE
SCHEMATIC DIAGRAM SHEET NO. 3

COMPUTER GENERATED

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.	SIZE	CAGE CODE	DRAWING NO.	REV
			E	55939	7026232-902	X
			SCALE		SHEET	5

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
XC	1	P1 AND P2 WERE J1 AND J2 RESP. R202, 208 AND Q8 WERE INSTALLED.	
			R. REISBECK



AUDIO IN
SCHEMATIC DIAGRAM SHEET NO. 4

COMPUTER GENERATED

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		E	55939	7026232-902	XC
		SCALE —			

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
X	C	P1 WAS J1.	
			R. REISBECK

2 LB-EN1-
2.9 LB-ADDR1
2.9 LB-ADDR0

4 TEST-FB3
4 TEST-FB4
4 TEST-FB5
7 TEST-FB1
7 TEST-FB2

2 RELAY-DRIVE

EN	A1	A0	LOOPBACK STATE
1	X	X	NORMAL OPERATION
0	0	0	MKR AUDIO -> MICROPHONE IN
0	0	1	NAV/COM AUDIO + -> SIDETONE IN
0	1	0	NAV/COM PHONE -> MICROPHONE IN
0	1	1	SELCAL ACARS -> ACARS IN

V = 2.25V +/- 1.125Vpk
Double-ended for
maximum output

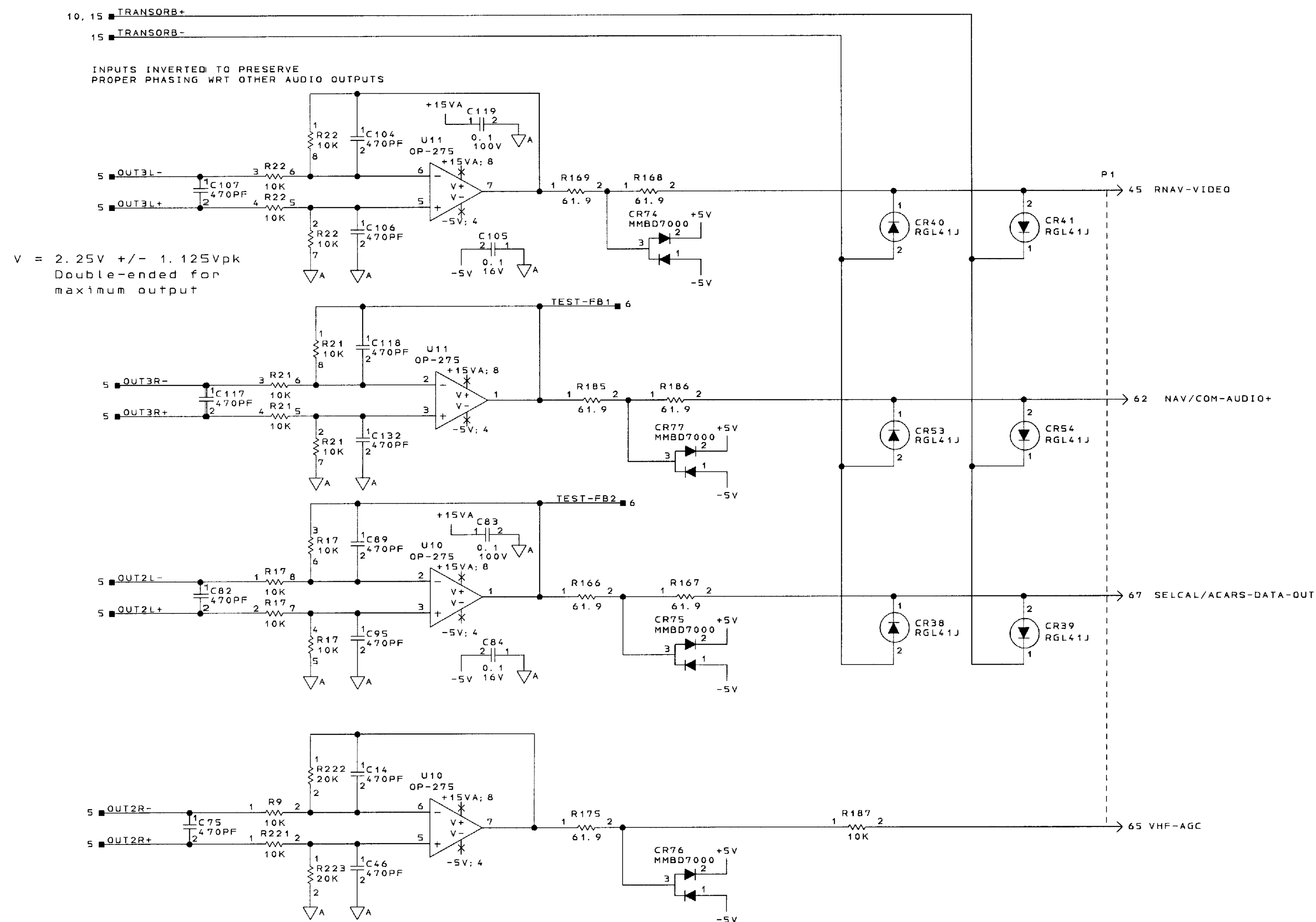
AUDIO OUTPUTS
SCHEMATIC DIAGRAM SHEET NO. 6

COMPUTER GENERATED

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SCALE		SHEET 9			

7026232-902
9
VL REV 3-90 DATE/TIME
RPN/REBECK 4-12-2002 14:48

REVISIONS		DATE	APPROVED
C6	PARTS LIST DATA BASE CHANGE. REF DES R221, R222, R223 AND R9 VAL WAS 10K.		J. OLSON
XB	SEE SHEET 1.		
XC	P1 WAS J1.		R. REISBECK



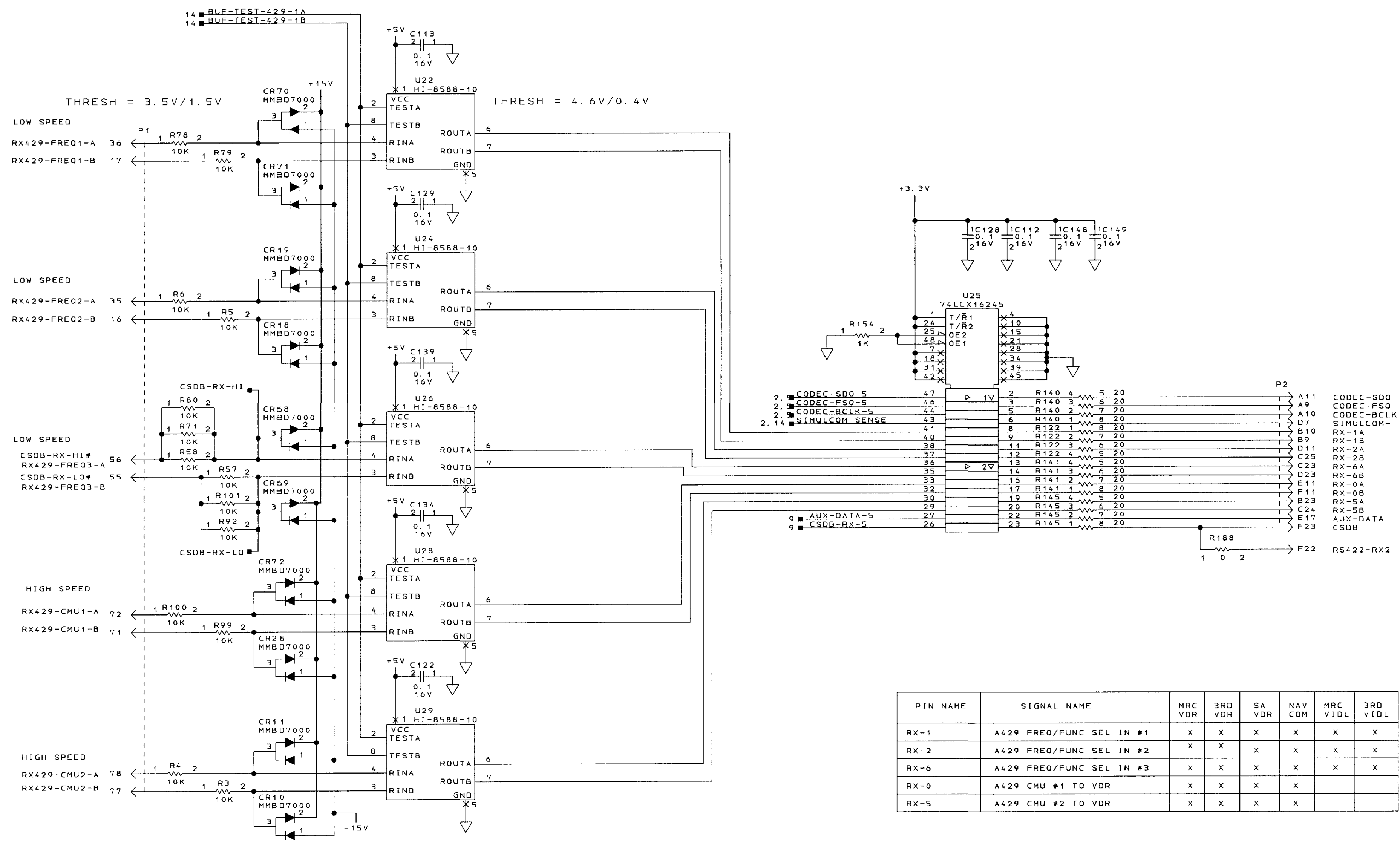
AUDIO OUTPUTS
SCHEMATIC DIAGRAM SHEET NO. 7

COMPUTER GENERATED

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REVISIONS		DATE	APPROVED
ZONE	REV		
X	C		

P1 AND P2 WERE J1 AND J2.



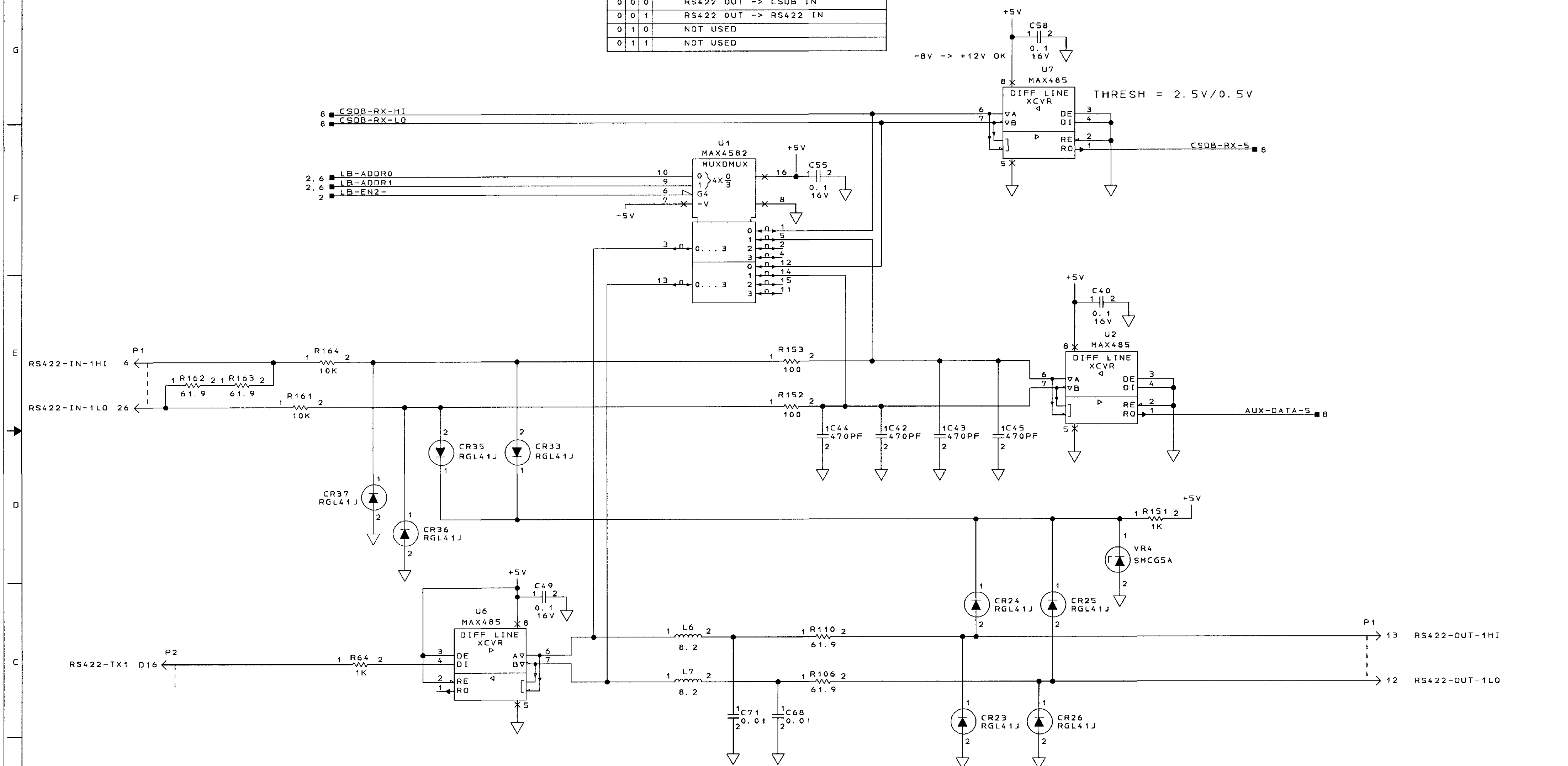
ARINC 429 INPUTS
SCHEMATIC DIAGRAM SHEET NO. 8

COMPUTER GENERATED

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		SCALE					SHEET	11

REV		REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION			
X	C	P1 AND P2 WERE J1 AND J2.			R. REISBECK

EN	A1	A0	LOOPBACK STATE
1	X	X	NORMAL OPERATION
0	0	0	RS422 OUT -> CSDB IN
0	0	1	RS422 OUT -> RS422 IN
0	1	0	NOT USED
0	1	1	NOT USED

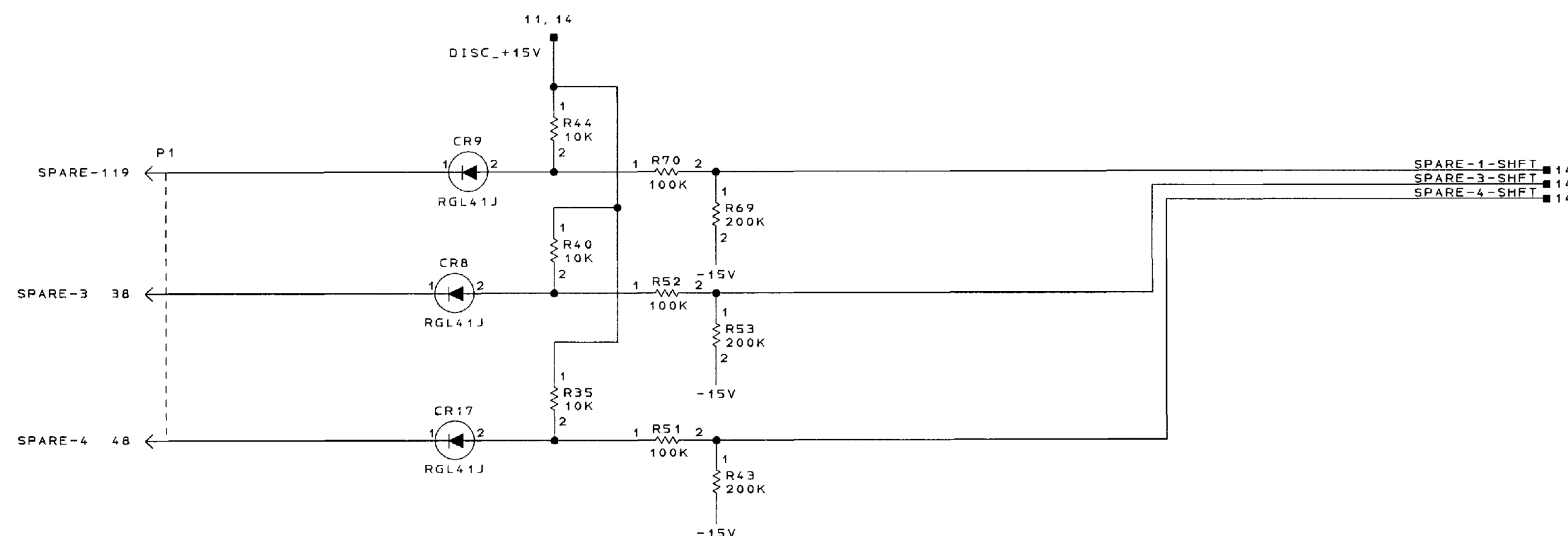
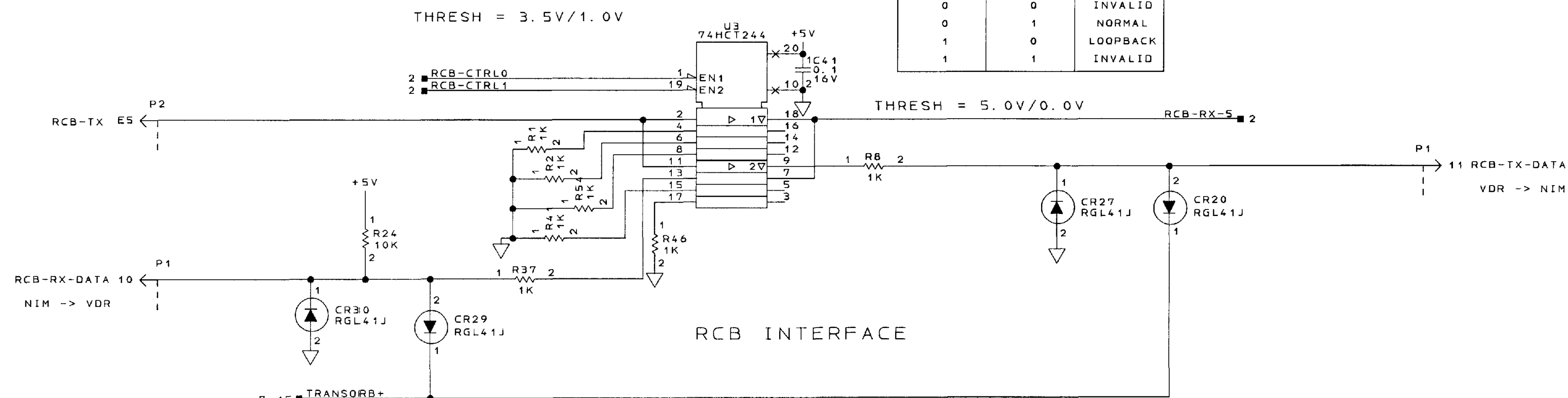


CSDB RECEIVER
RS-422 I/O INTERFACE
SCHEMATIC DIAGRAM SHEET NO. 9

COMPUTER GENERATED

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	XC	P1 AND P2 WERE J1 AND J2.		
				R. REISBECK

RCB MODE TABLE		
RCB-CTRL1	RCB-CTRL0	RCB MODE
0	0	INVALID
0	1	NORMAL
1	0	LOOPBACK
1	1	INVALID

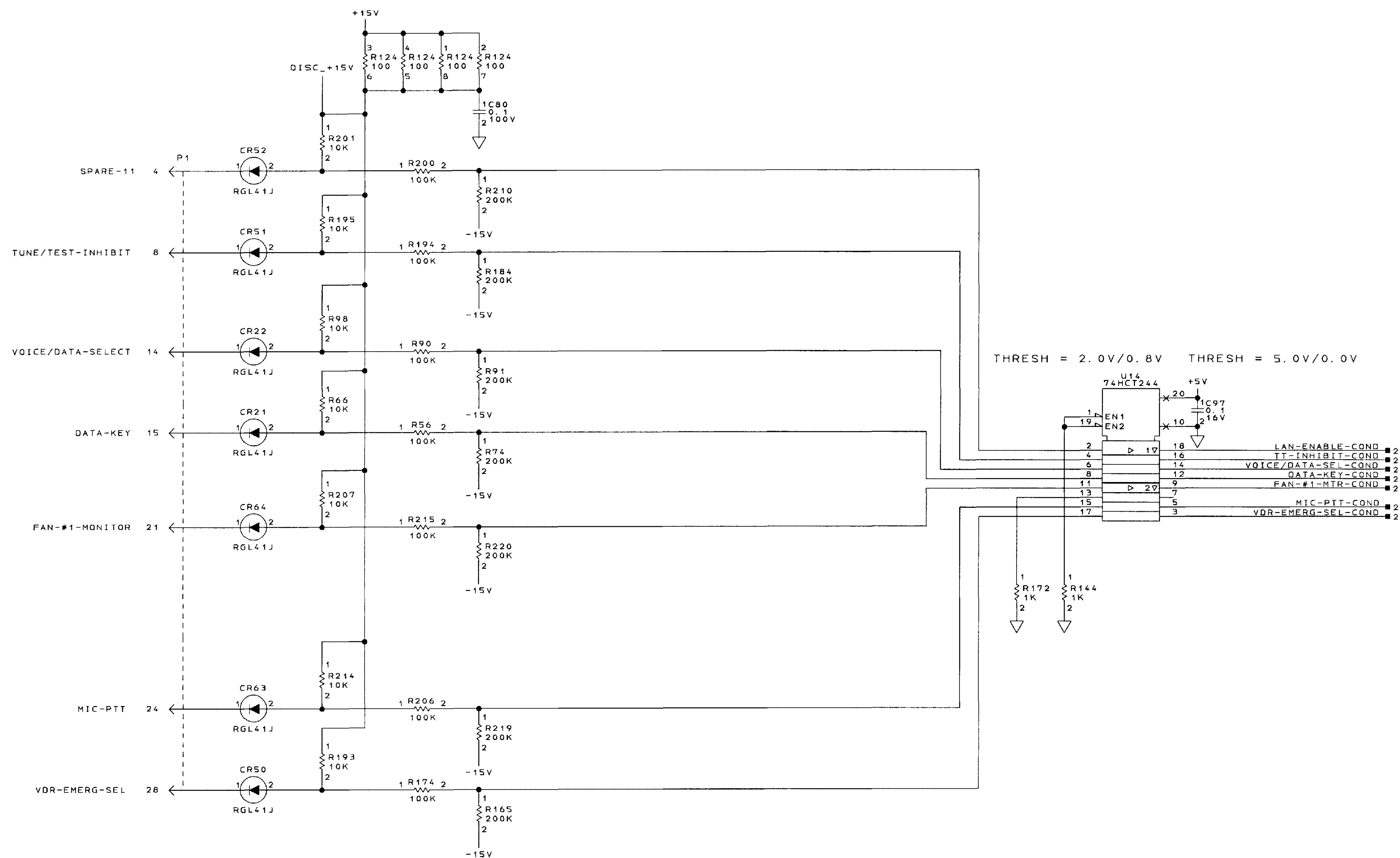


RCB INTERFACE-SPARE DISCRETES
SCHEMATIC DIAGRAM SHEET NO. 10

COMPUTER GENERATED

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			E	55939	7026232-902	XC
			SCALE			SHEET 13

ZONE		REV		REVISIONS		DATE		APPROVED	
XC		P1 WAS J1.						R. REISBECK	

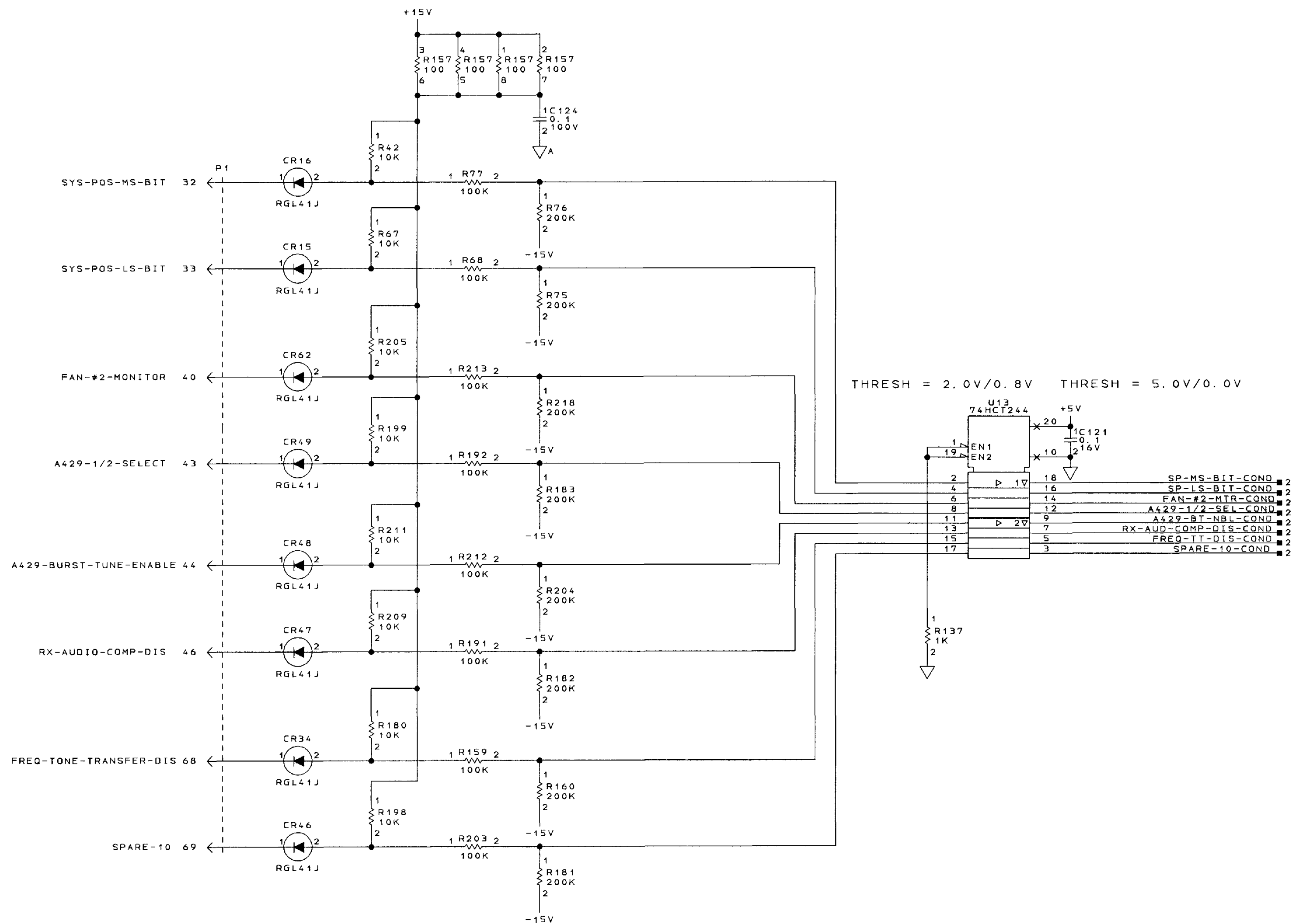


DISCRETE INPUTS
SCHEMATIC DIAGRAM SHEET NO. 11

COMPUTER GENERATED

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				E	55939	7026232-902	XC
				SCALE		SHEET 14	

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	XC	P1 WAS J1.	
			APPROVED
			R. REISBECK

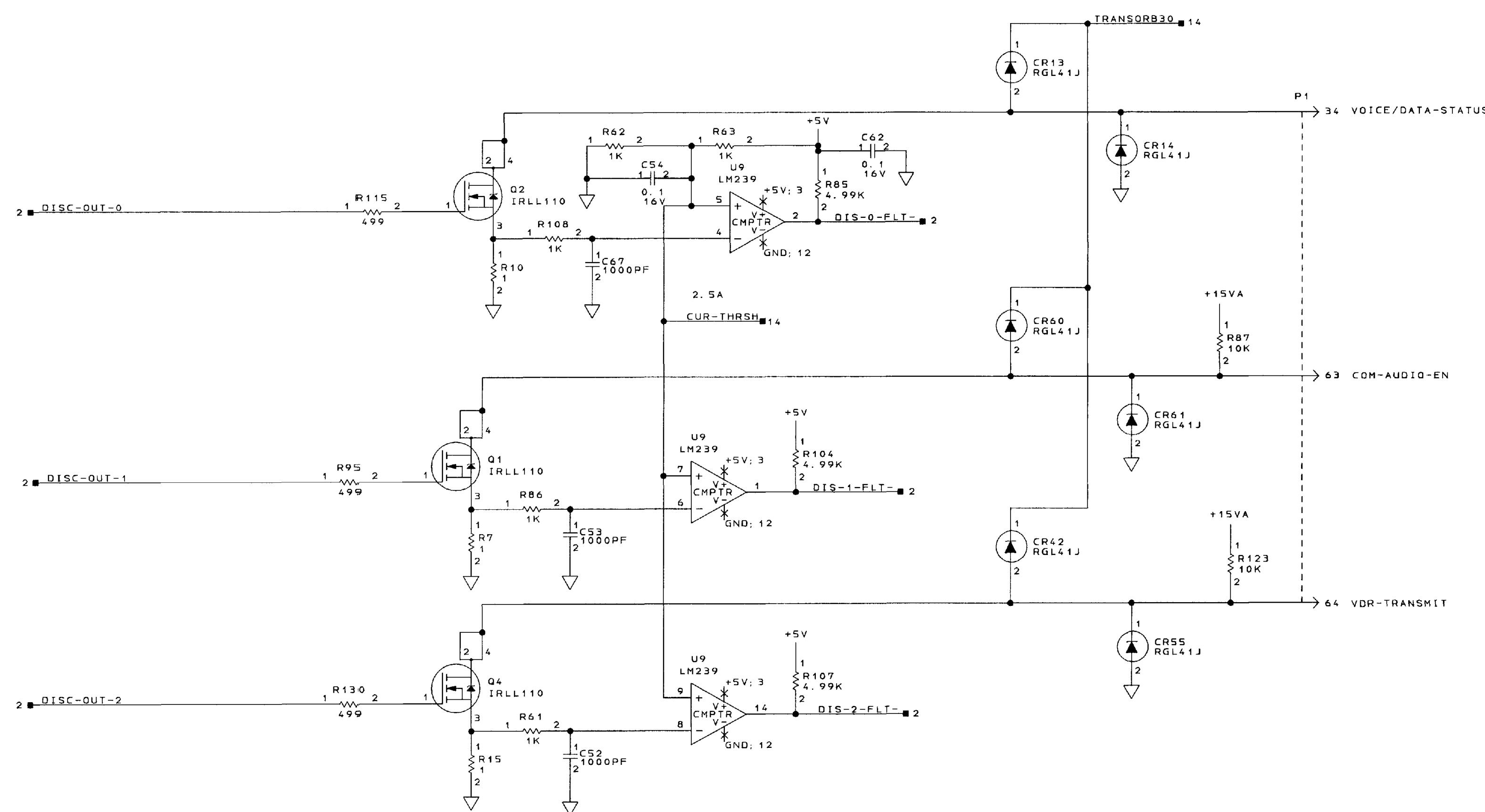


DISCRETE INPUTS
 SCHEMATIC DIAGRAM SHEET NO. 12

COMPUTER GENERATED

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			E	55939	7026232-902	XC
			SCALE			SHEET 15

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
X	C	P1 WAS J1.	
			APPROVED
			R. REISBECK

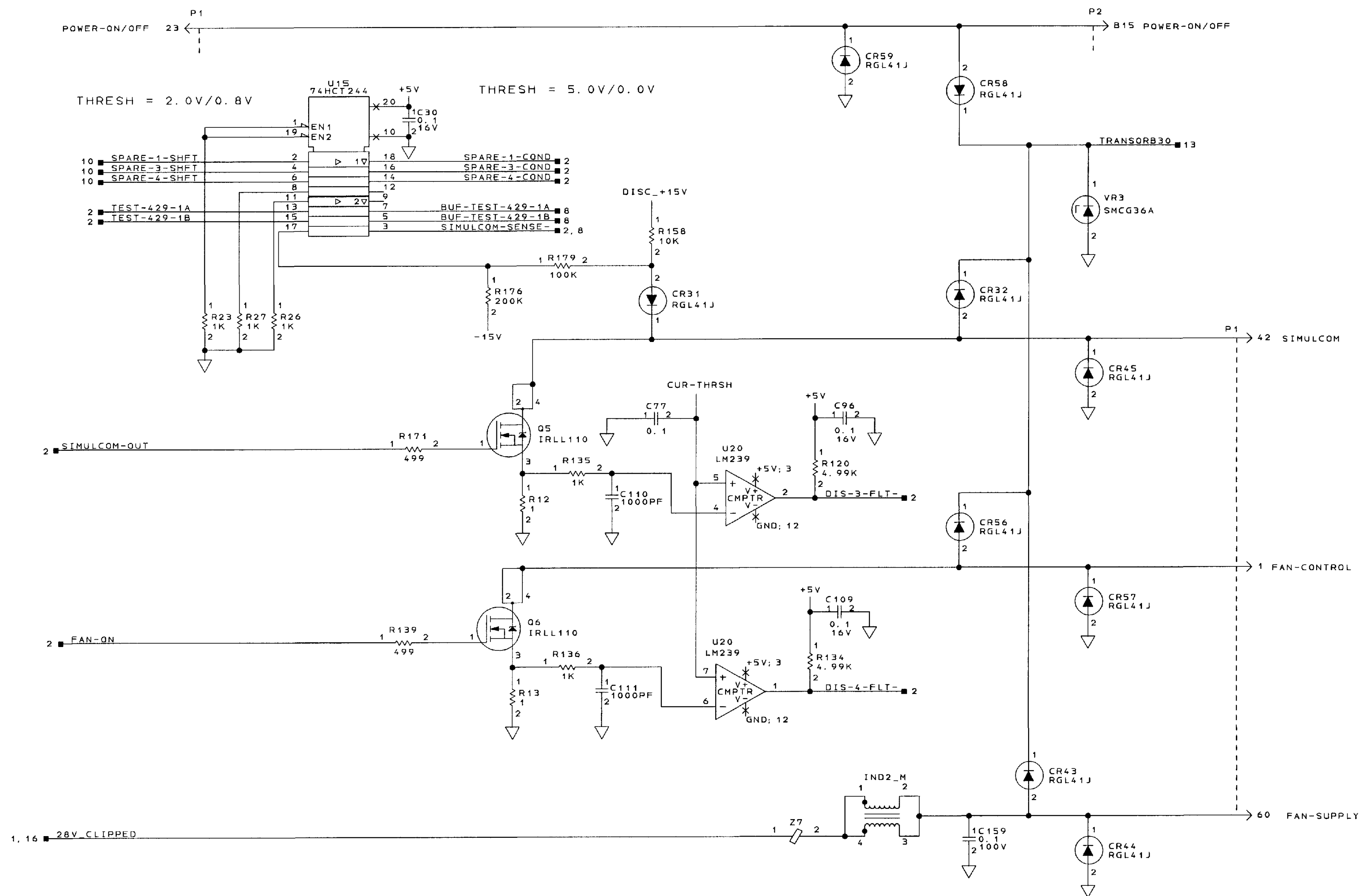


DISCRETE OUTPUTS
SCHEMATIC DIAGRAM SHEET NO. 13

COMPUTER GENERATED

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.	SIZE E	CAGE CODE 55939	DRAWING NO. 7026232-902	REV XC
			SCALE		SHEET 16	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
XC		P1 AND P2 WERE J1 AND J2. INOUTS WAS INOUT'S.		R. REISBECK



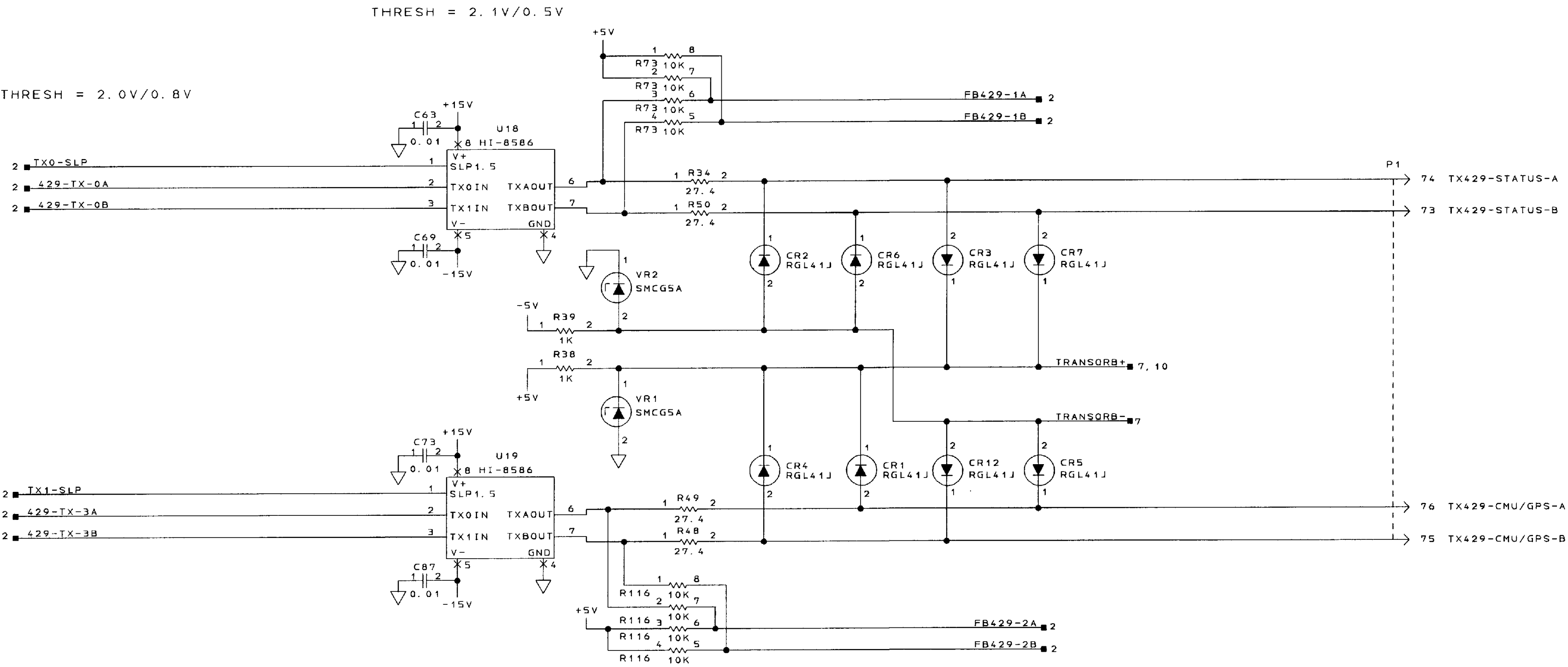
DISCRETE INPUTS AND INOUTS
SCHEMATIC DIAGRAM SHEET NO. 14

COMPUTER GENERATED

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.	SIZE	E 55939	DRAWING NO.	7026232-902	REV	XC
		SCALE				SHEET	17

7026232-902 17
DATE: 11-12-2002
R. REISBECK

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	XC	P1 WAS J1.	
			R. REISBECK



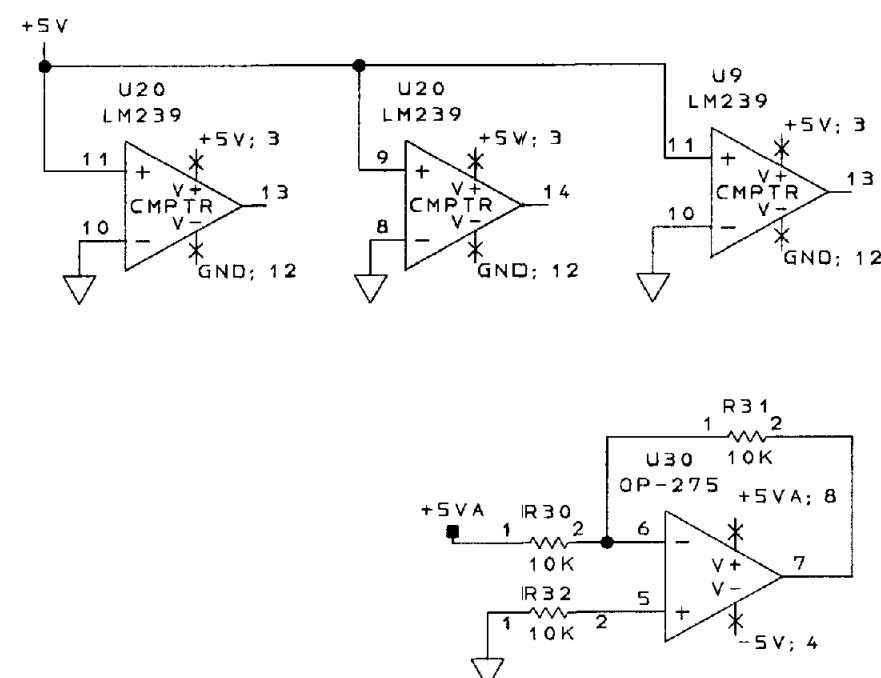
PIN NAME	SIGNAL NAME	MRC VDR	3RD VDR	SA VDR	NAV COM	MRC VIDL	3RD VIDL
TX-0	A429 NAVCOM OUT	X	X	X	X	X	X
TX-1	A429 VDR TO CMU OUT	X	X	X	X		
	A429 VDB TO GPS OUT				X	X	X

ARINC 429 OUTPUTS
SCHEMATIC DIAGRAM SHEET NO. 15

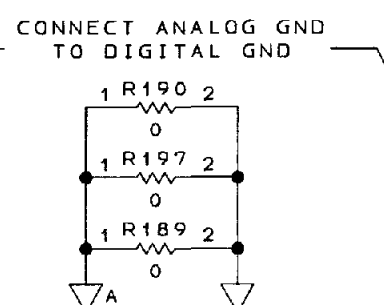
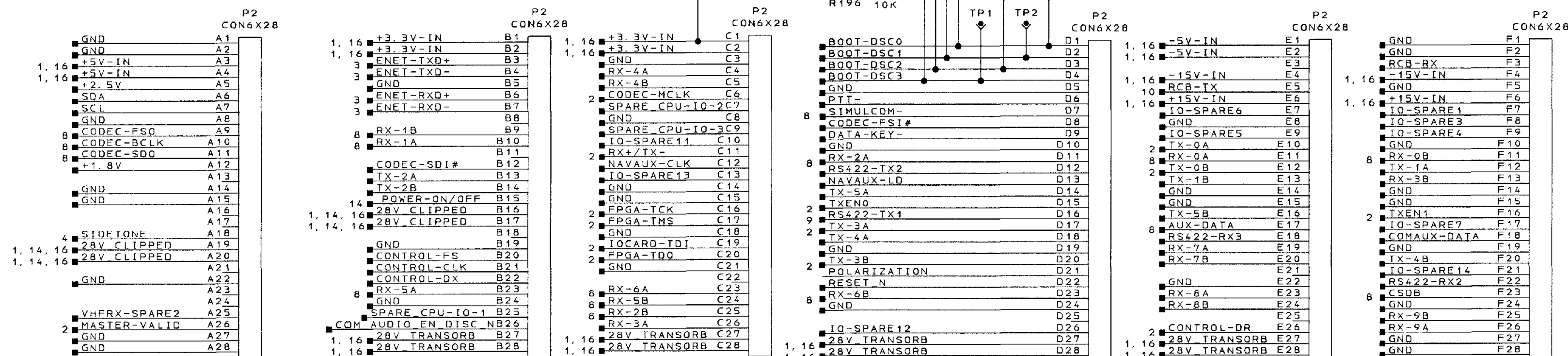
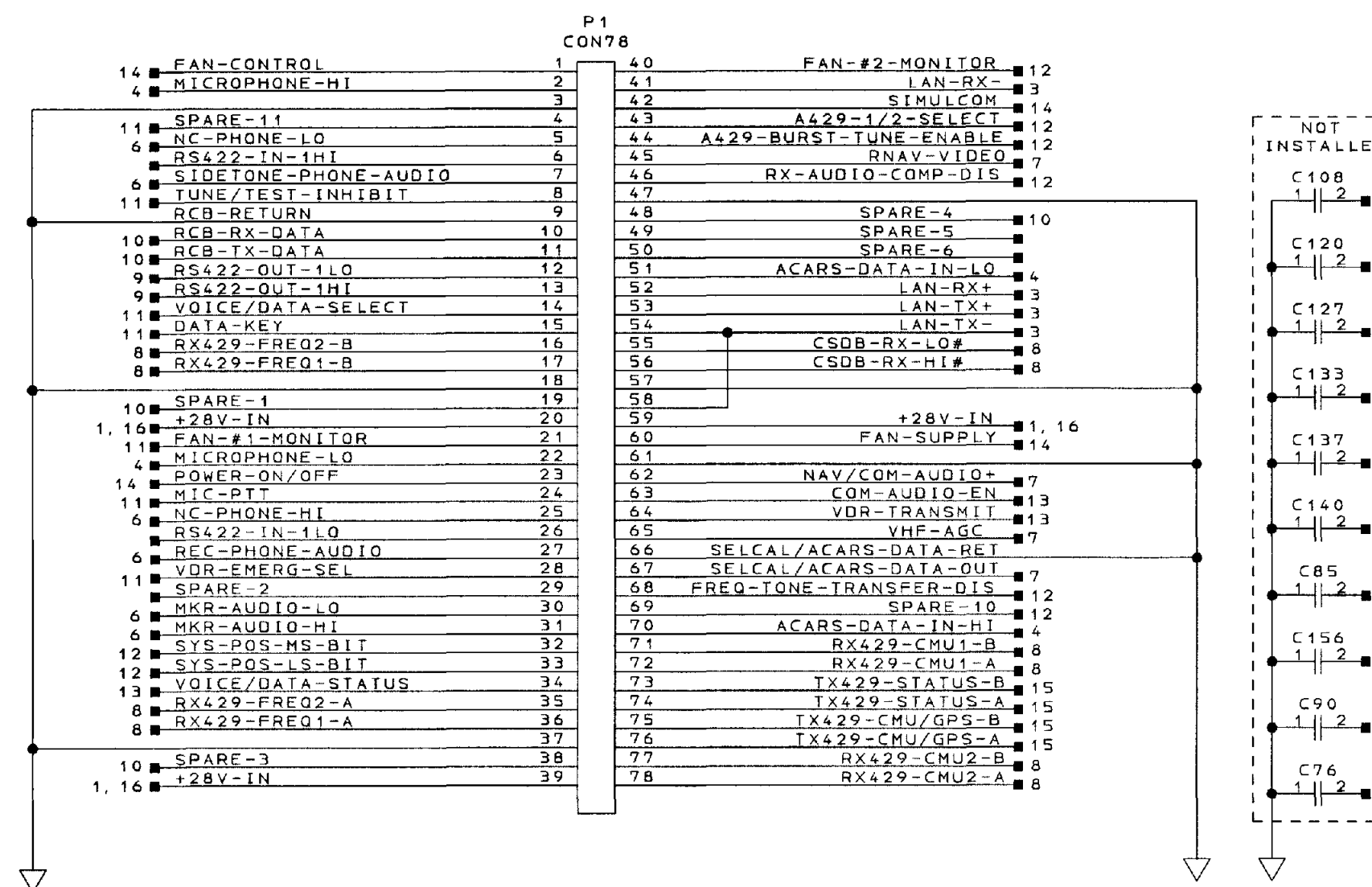
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		SCALE						SHEET	18

REV		DESCRIPTION	DATE	APPROVED
X	C	P1 AND P2 WERE J1 AND J2.		
	E	P2-B15 WAS "REMOTE_OFF_ON".		R. REISBECK



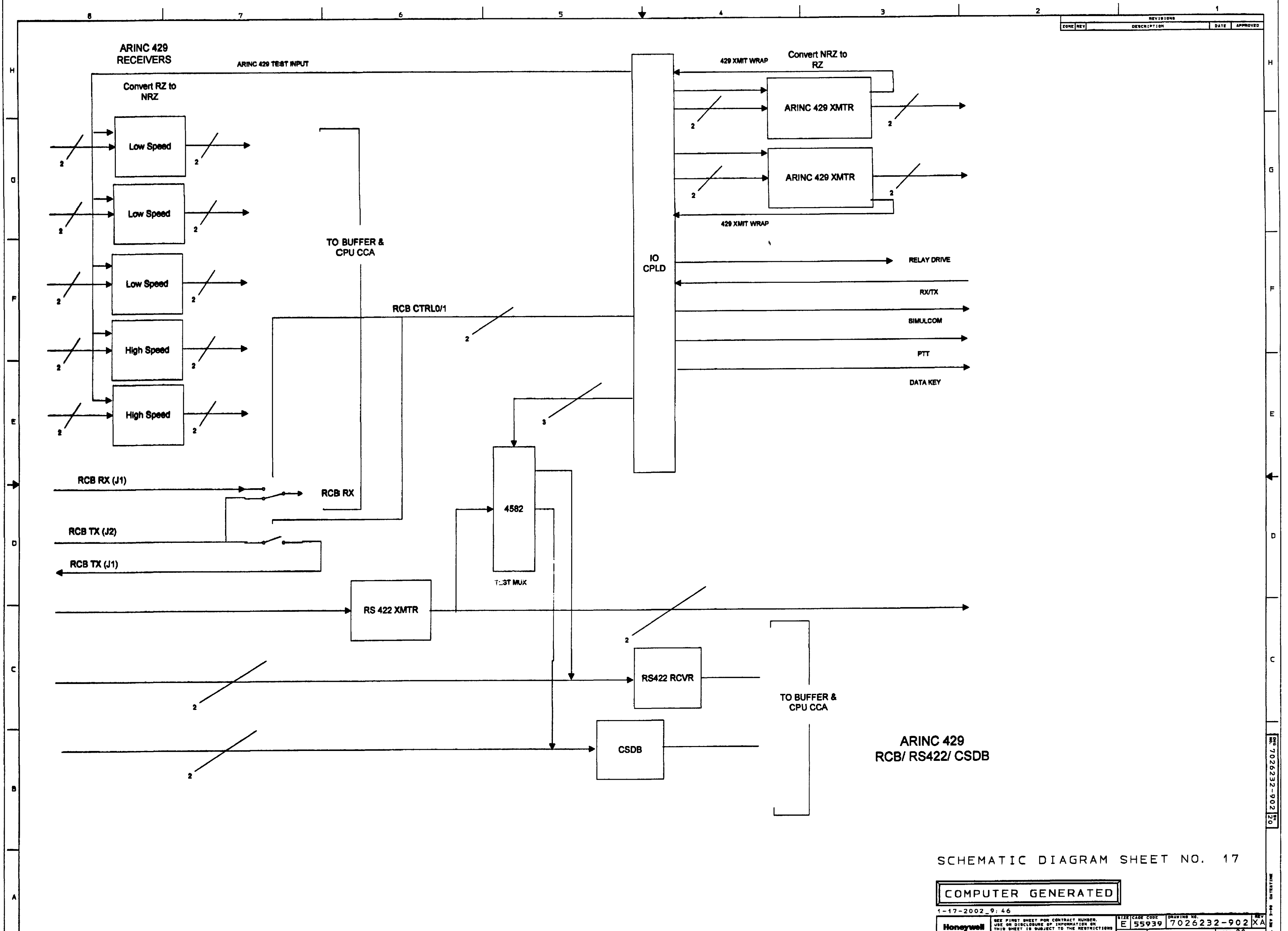
SPARES



CONNECTORS PIN SUMMARY
AND SPARE COMPONENTS
CAD REQUIREMENT/REFERENCE
SCHEMATIC DIAGRAM SHEET NO. 16

COMPUTER GENERATED

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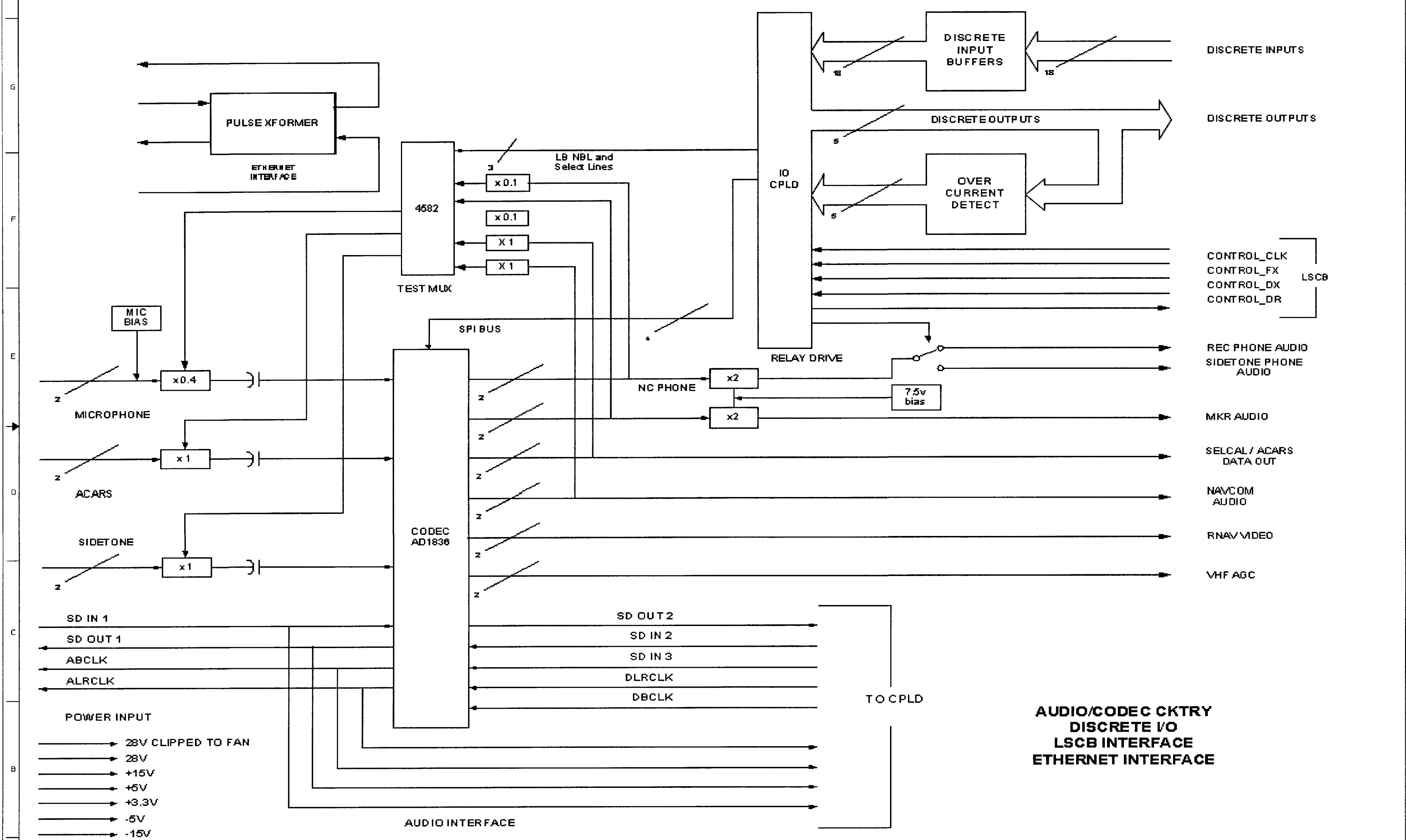
REVISIONS			
ZONE	REV	DESCRIPTION	DATE

SCHEMATIC DIAGRAM SHEET NO. 17

COMPUTER GENERATED

1-17-2002_9:46		SIZE	E	55939	DRAWING NO.	7026232-902	REV	XA
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 20

ZONE		REV		REVISIONS		DATE	APPROVED
XC				DEL "902 CCA ONLY". TEXT.			R. REISBECK



**AUDIO/CODEC CKTRY
DISCRETE I/O
LSCB INTERFACE
ETHERNET INTERFACE**

SCHEMATIC DIAGRAM SHEET NO. 18

COMPUTER GENERATED

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SCALE		SHEET 21			