
TV-80 Audio Console TECHNICAL DRAWINGS

TV-80 Live TV Audio Console Technical Drawings - 1st Edition (revised)

©1998 Wheatstone Corporation

WHEATSTONE CORPORATION
600 Industrial Drive
New Bern, North Carolina 28562
tel 252-638-7000 / fax 252-637-1285

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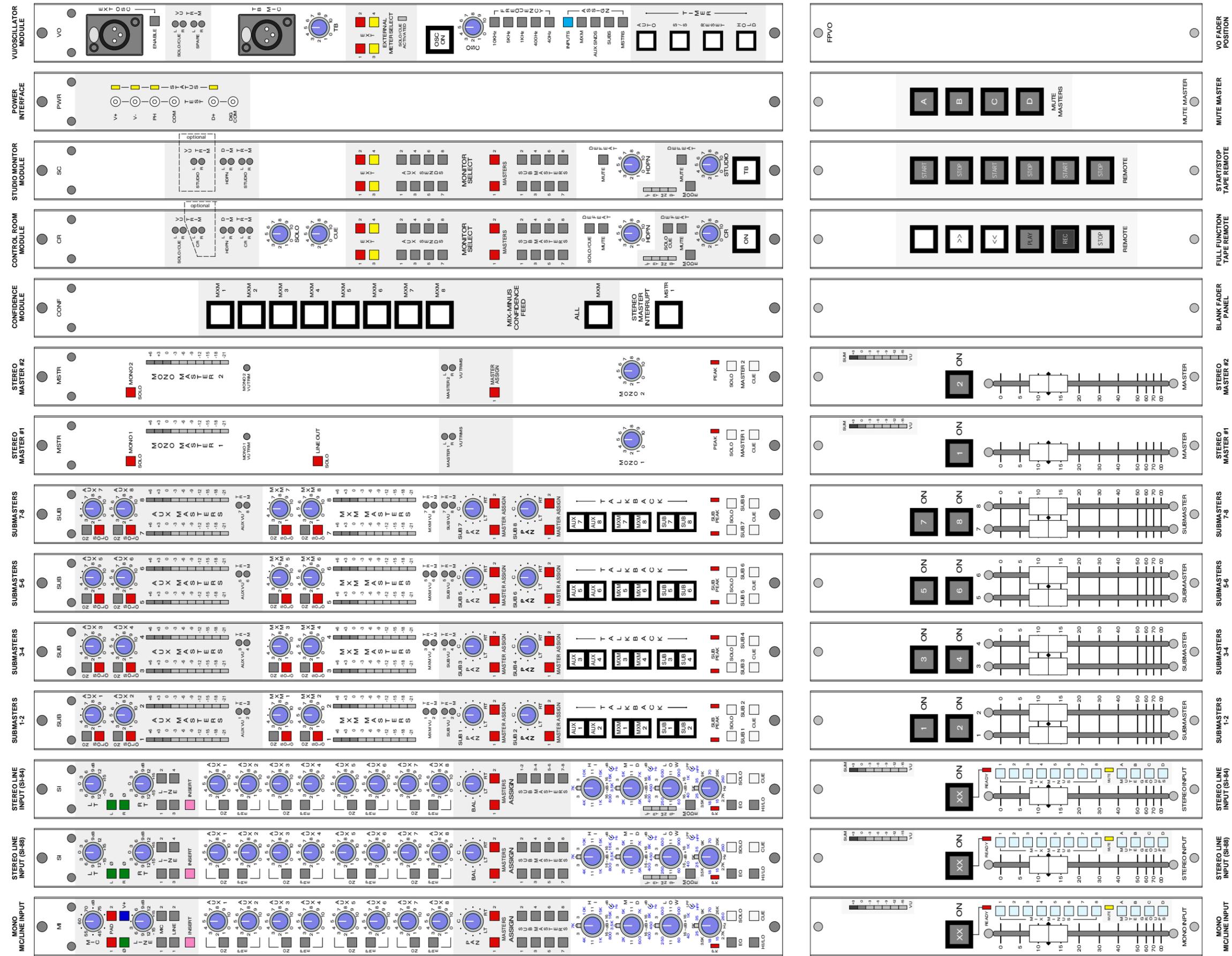
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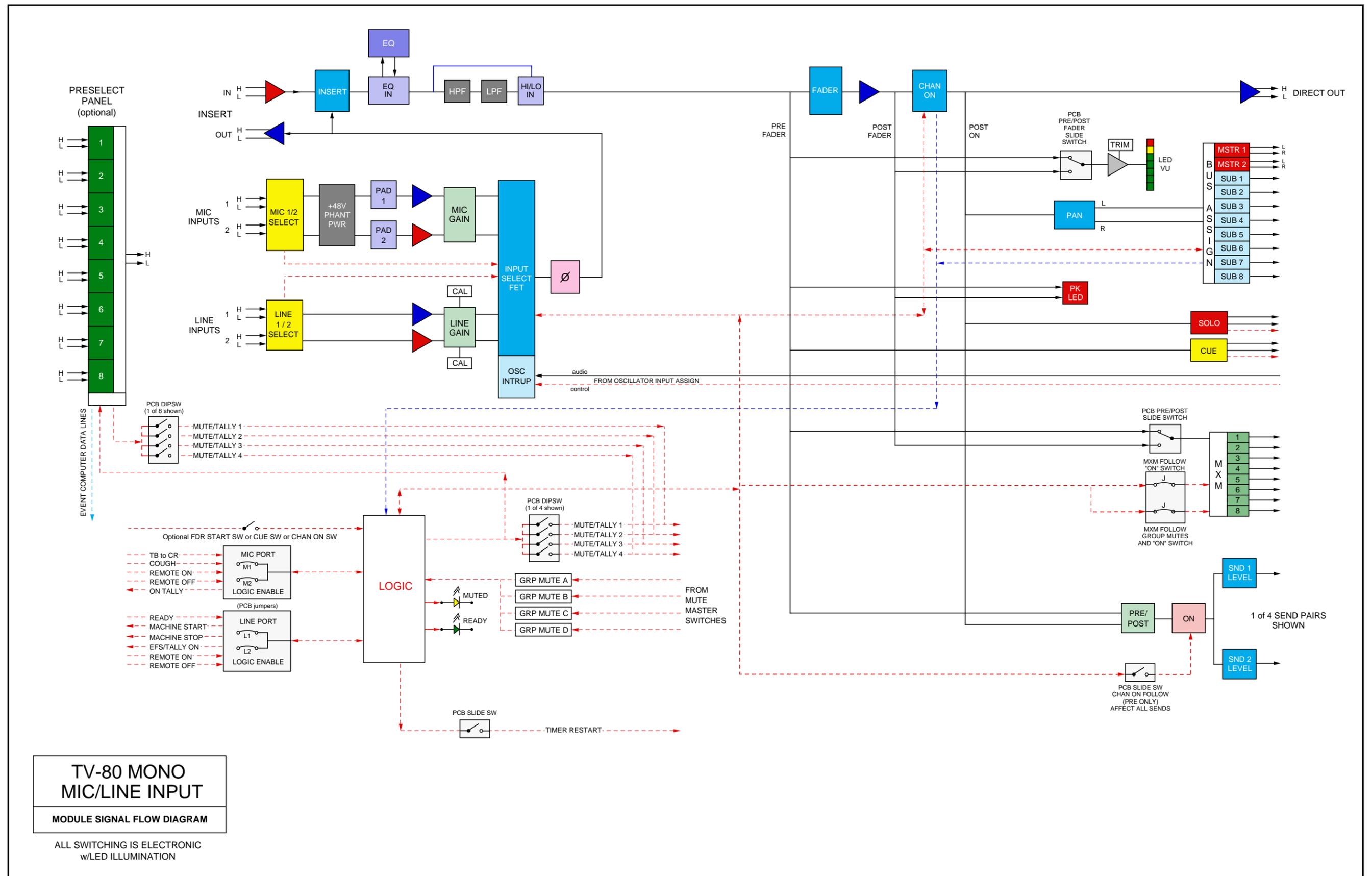
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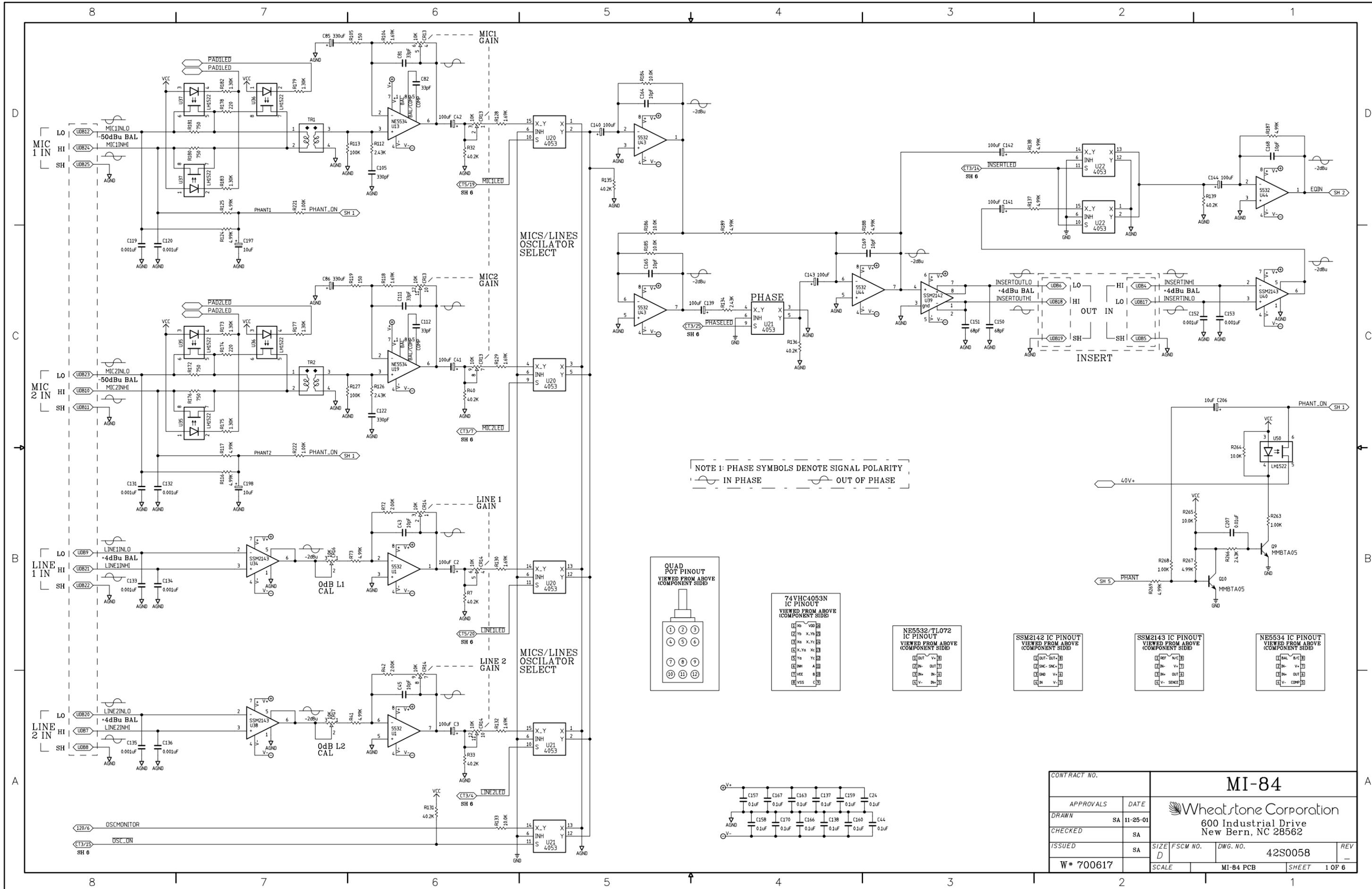


TV-80 Audio Console – Module/Fader Faceplates

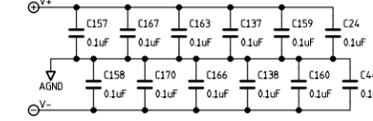
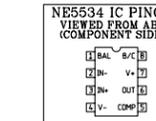
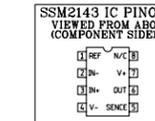
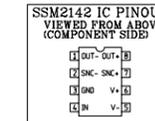
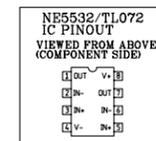
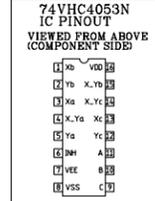
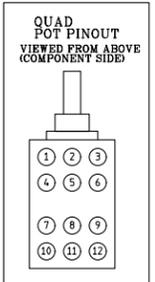


**TV-80 MONO
MIC/LINE INPUT**
MODULE SIGNAL FLOW DIAGRAM

ALL SWITCHING IS ELECTRONIC
w/LED ILLUMINATION

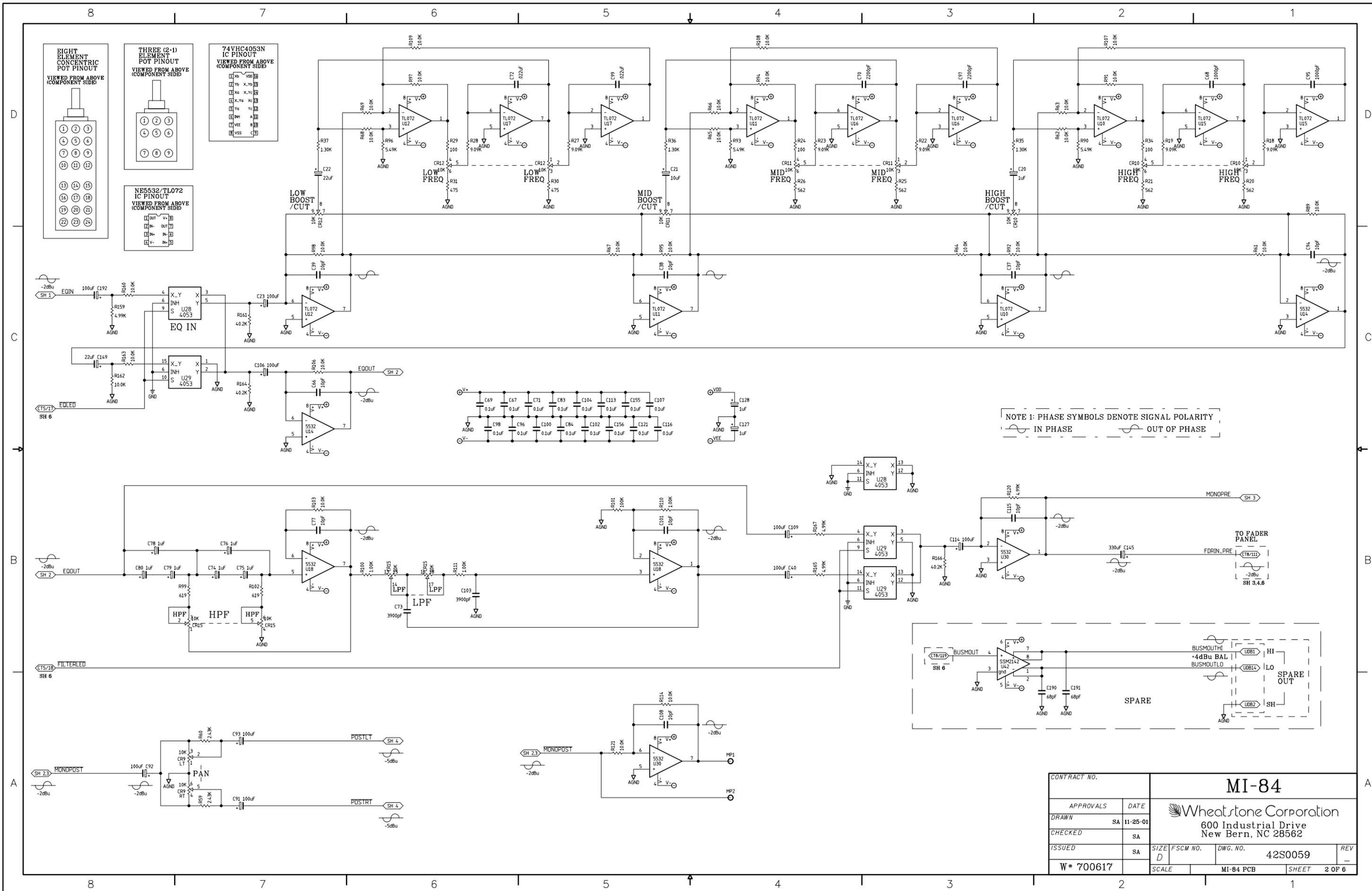


NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE OUT OF PHASE

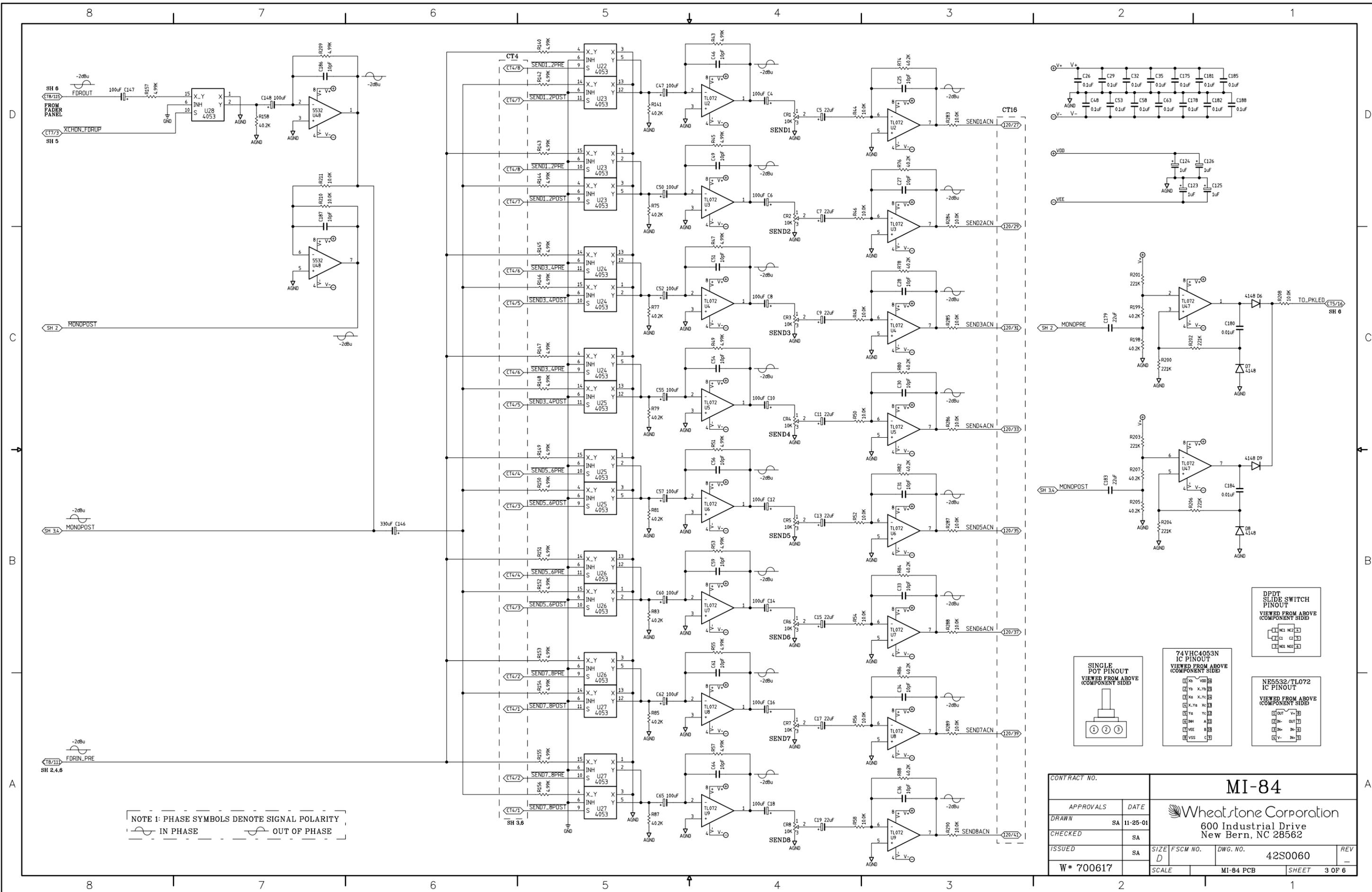


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CHECKED	SA				
ISSUED	SA	SIZE	FSCM NO.	DWG. NO.	REV
W # 700617		D		42S0058	
		SCALE	MI-84 PCB		SHEET 1 OF 6

MI-84 Mono Input Module Schematic - Sheet 1 of 8



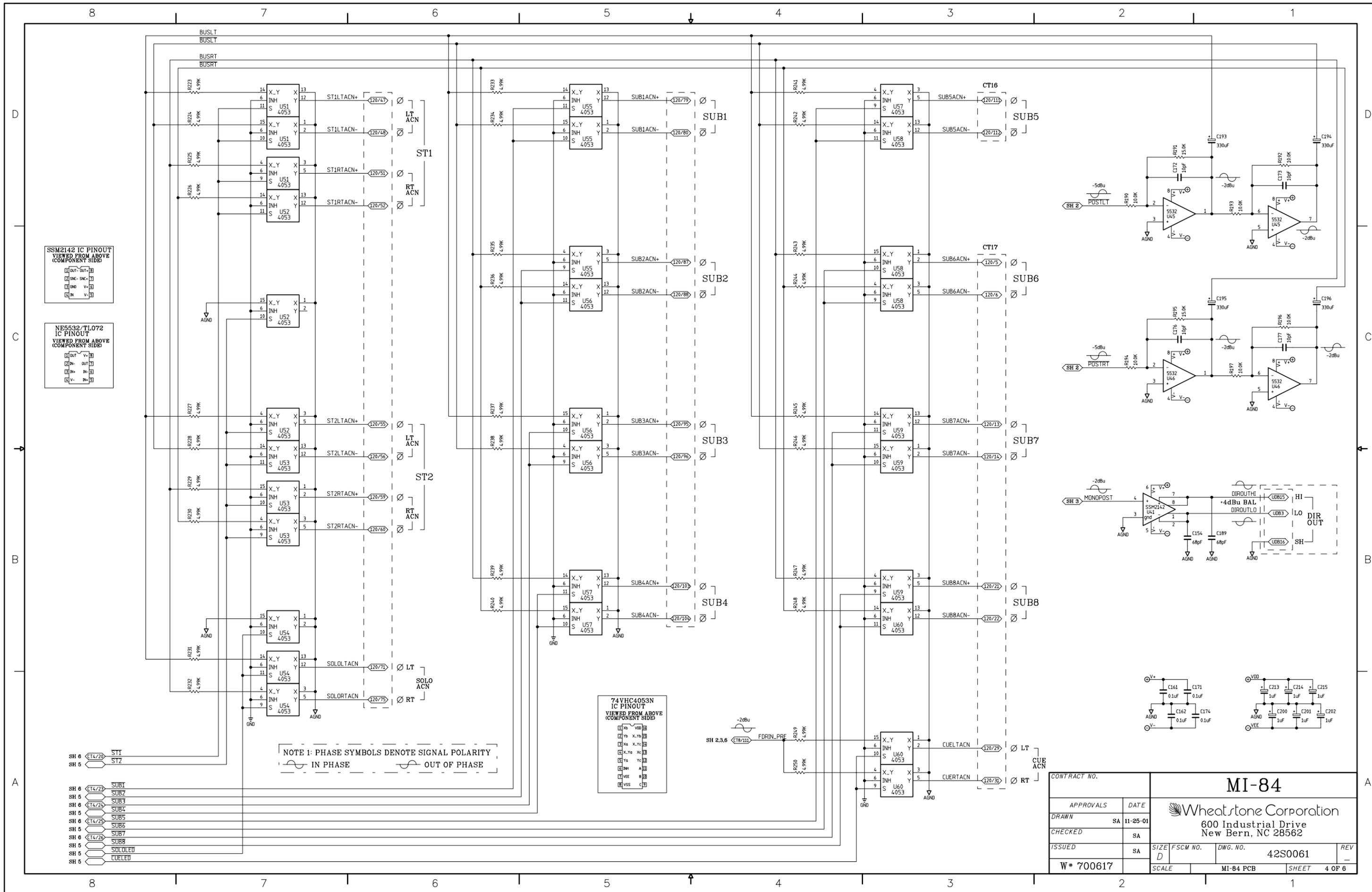
MI-84 Mono Input Module Schematic - Sheet 2 of 8



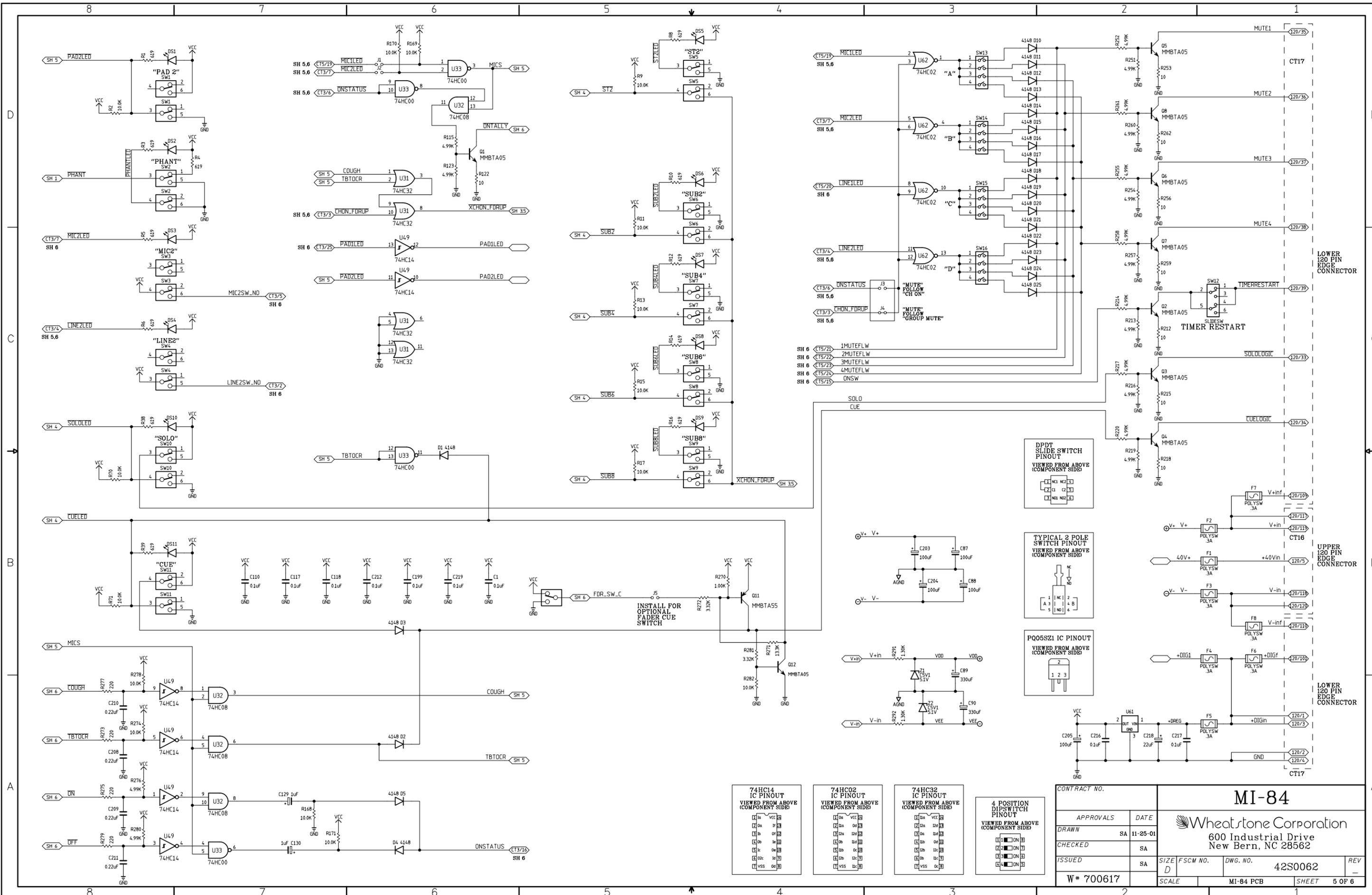
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MI-84 Mono Input Module Schematic - Sheet 3 of 8



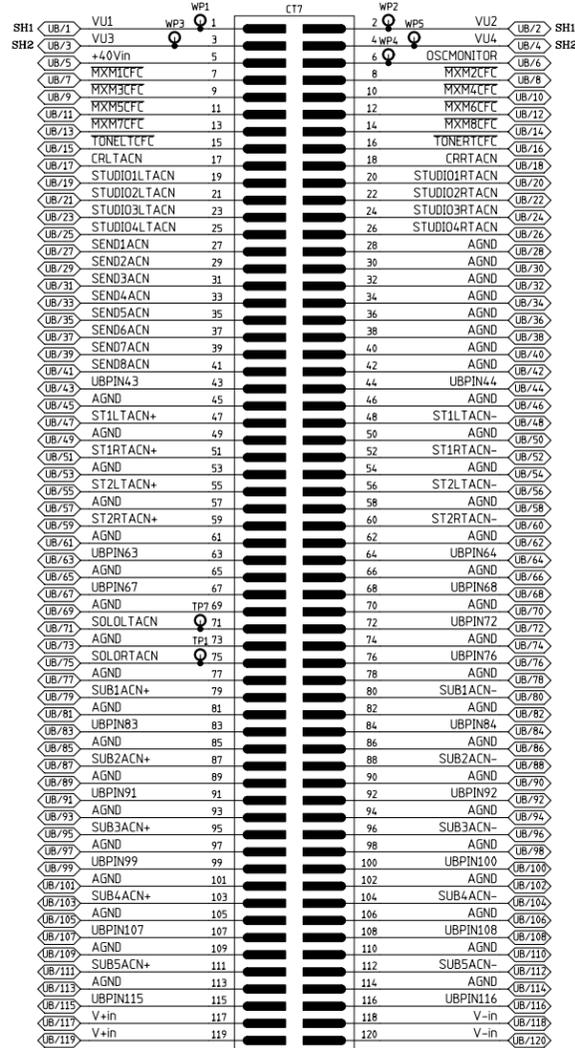
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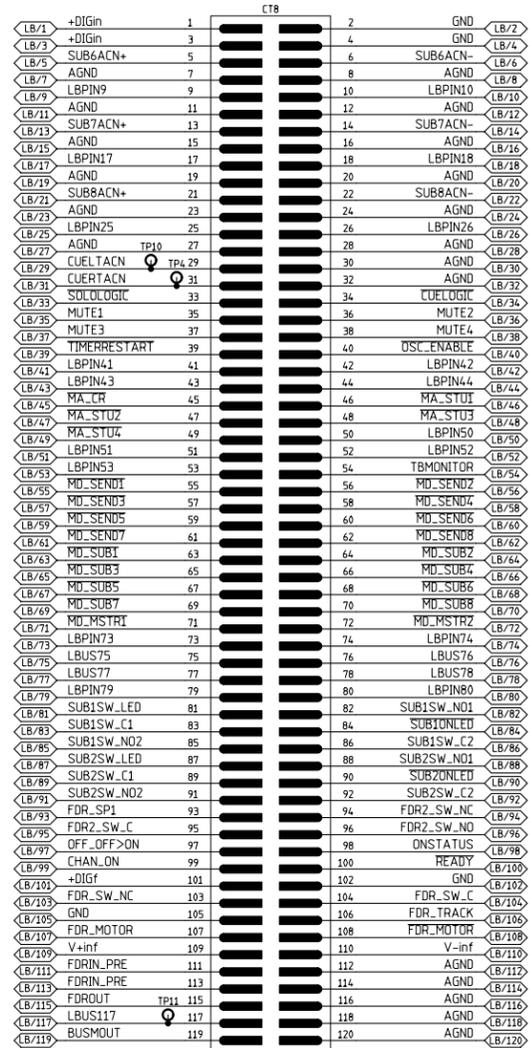
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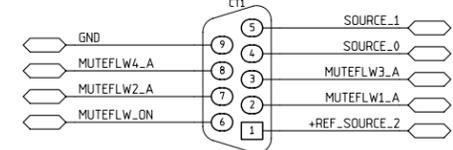
UPPER 120 PIN EDGE CONNECTOR



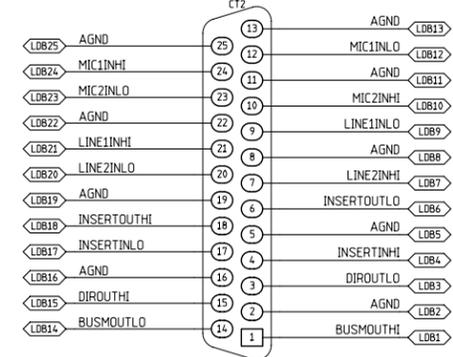
LOWER 120 PIN EDGE CONNECTOR



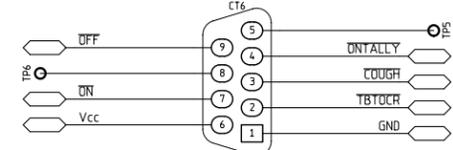
UPPER DB-9 CONNECTOR



LOWER DB-25 CONNECTOR

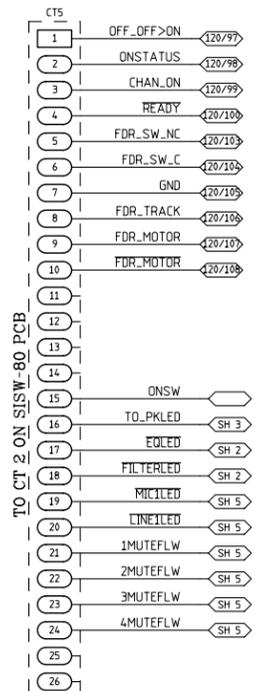
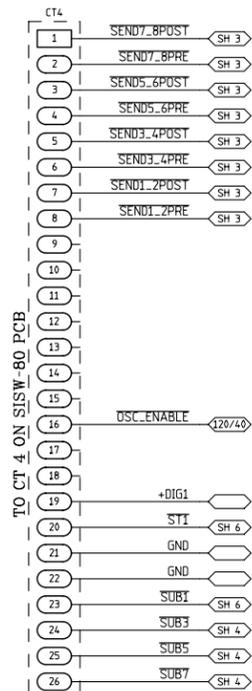
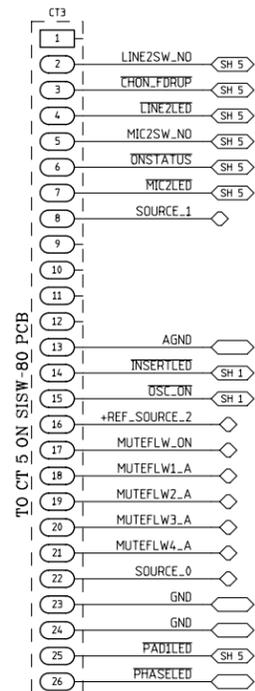


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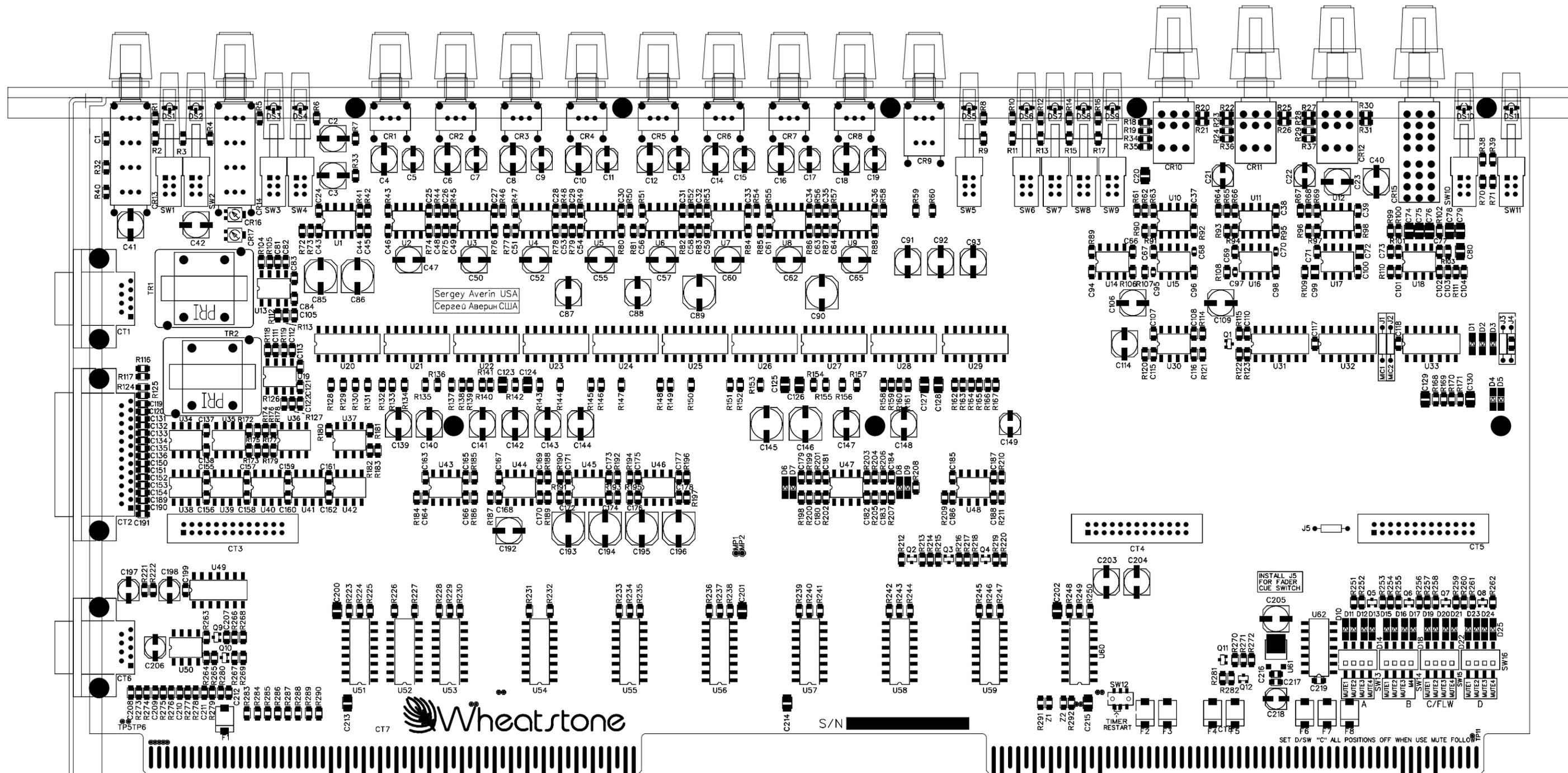
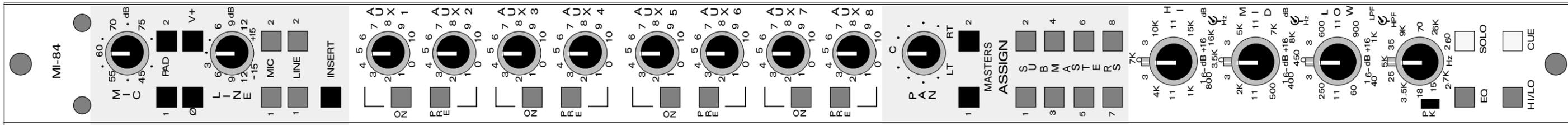


EDGE CONNECTORS BUSS CHART

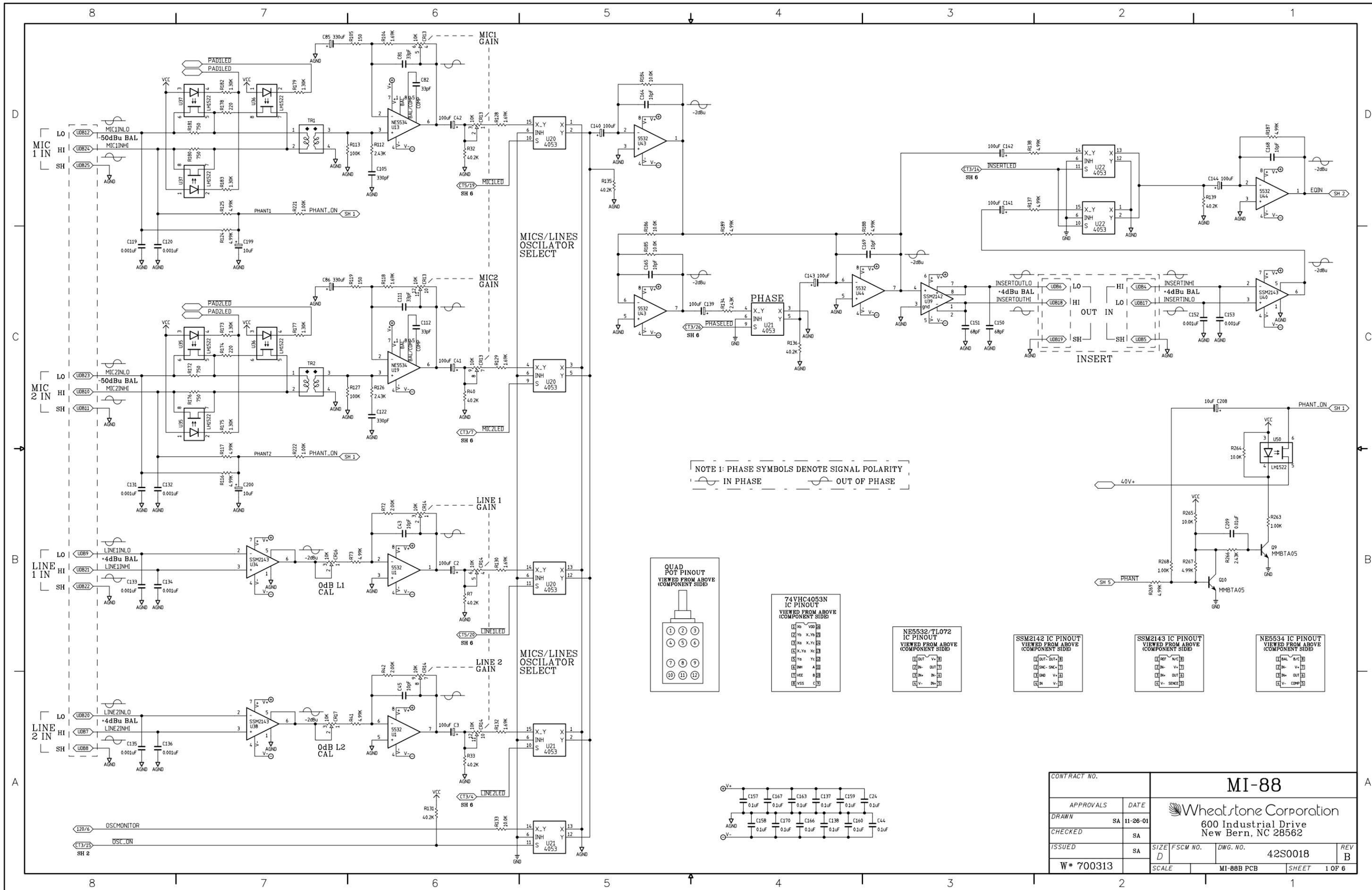
I/O CONNECTORS CHART



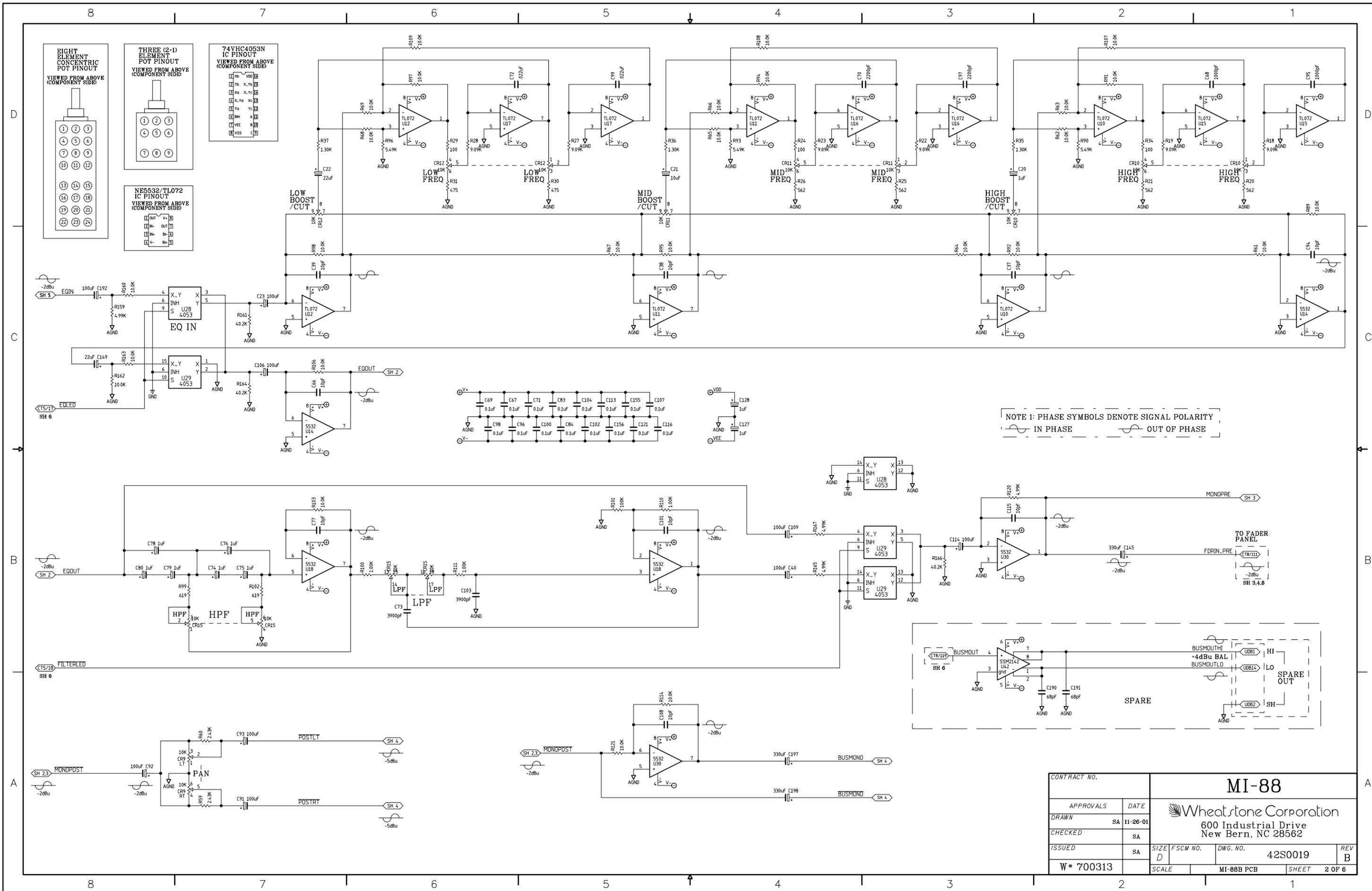
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W # 700617	SCALE	MI-84 PCB		SHEET	6 OF 6



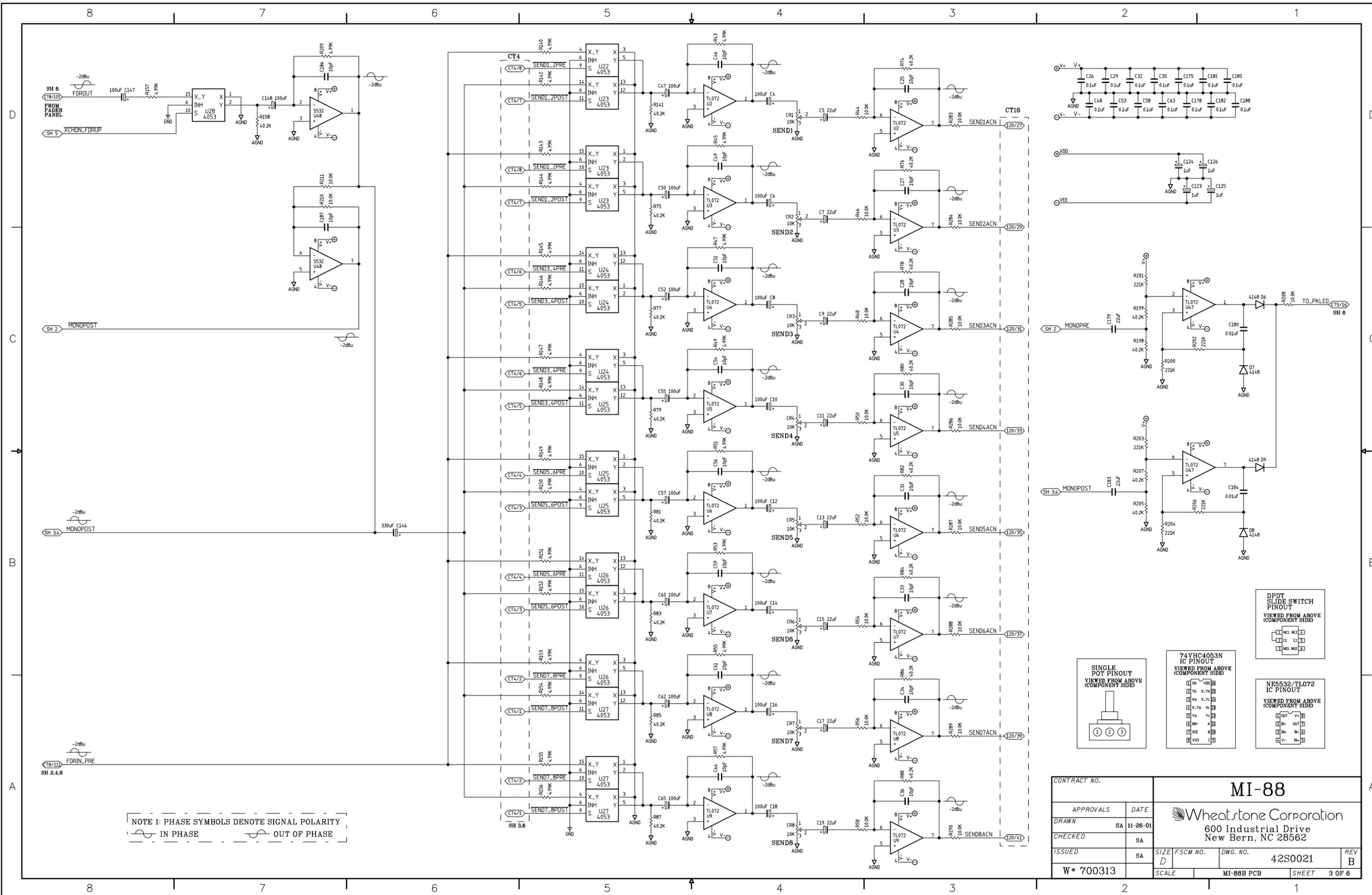
MI-84 Mono Input Module Load Sheet



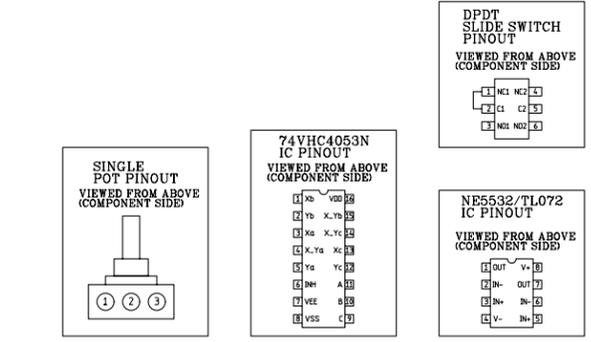
MI-88 Mono Input Module Schematic - Sheet 1 of 8



MI-88 Mono Input Module Schematic - Sheet 2 of 8

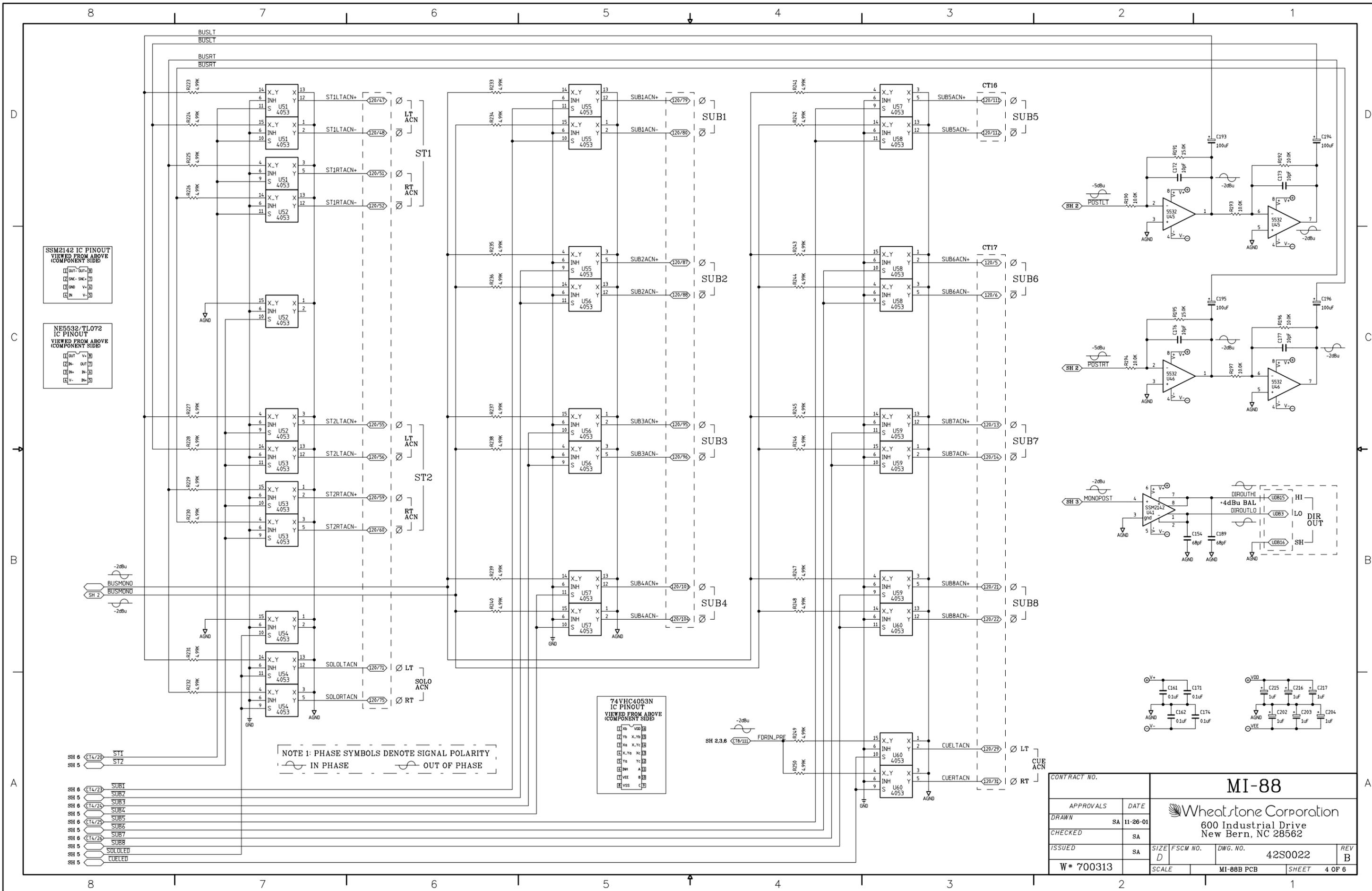


NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE OUT OF PHASE



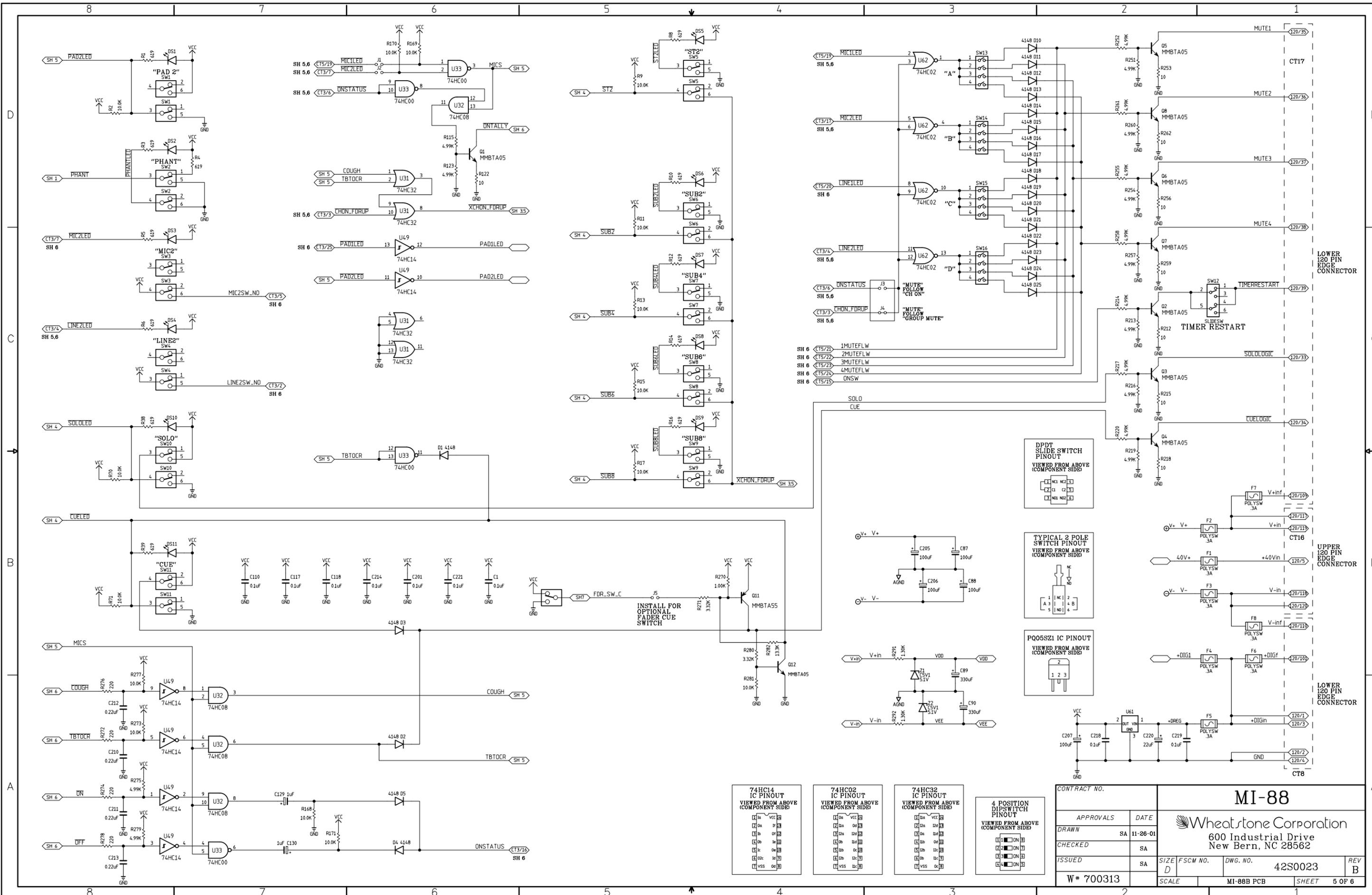
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MI-88 Mono Input Module Schematic - Sheet 3 of 8



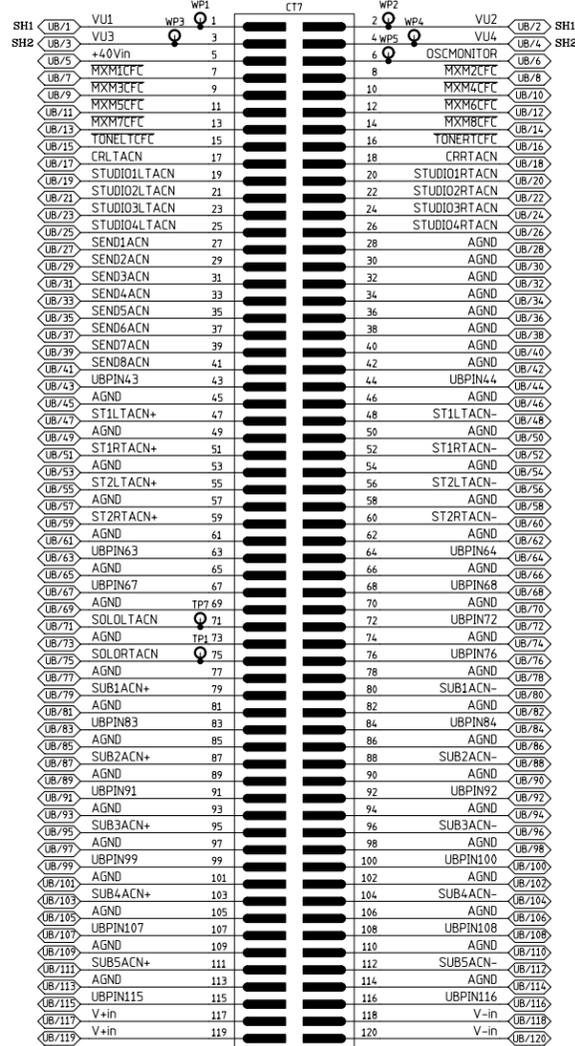
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SCALE		MI-88B PCB		SHEET 4 OF 6	

MI-88 Mono Input Module Schematic - Sheet 4 of 8

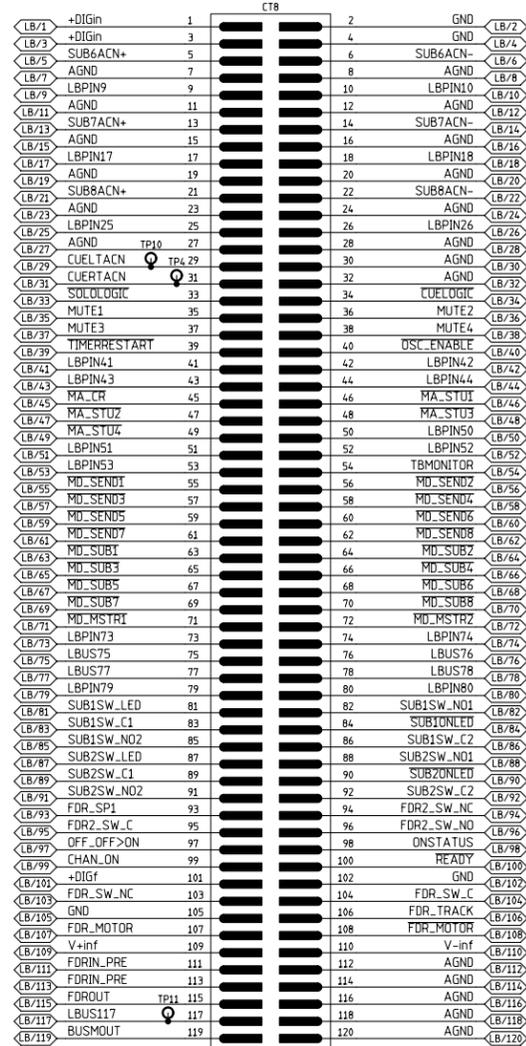


MI-88 Mono Input Module Schematic - Sheet 5 of 8

UPPER 120 PIN EDGE CONNECTOR

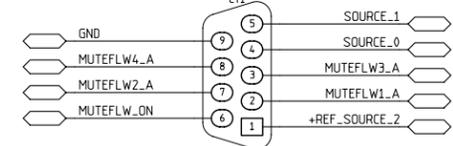


LOWER 120 PIN EDGE CONNECTOR

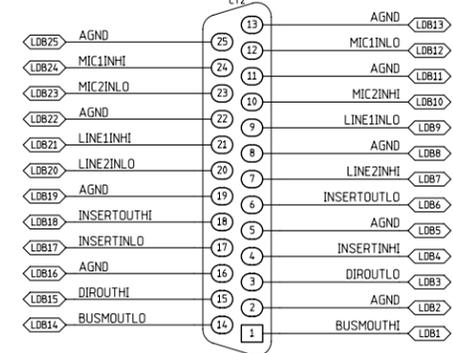


EDGE CONNECTORS BUSS CHART

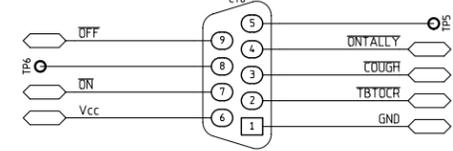
UPPER DB-9 CONNECTOR



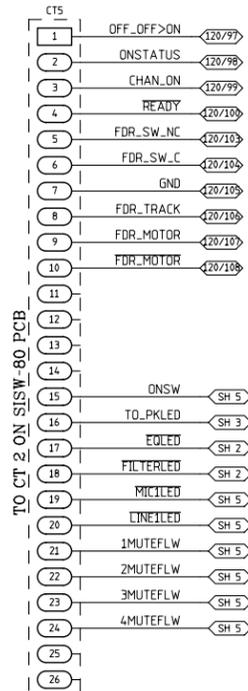
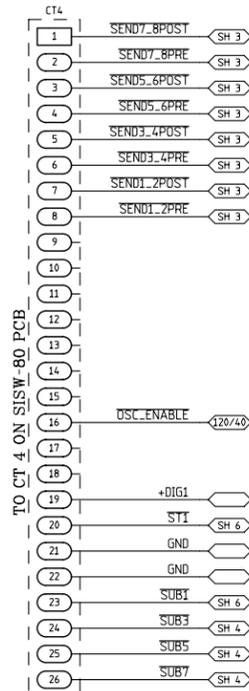
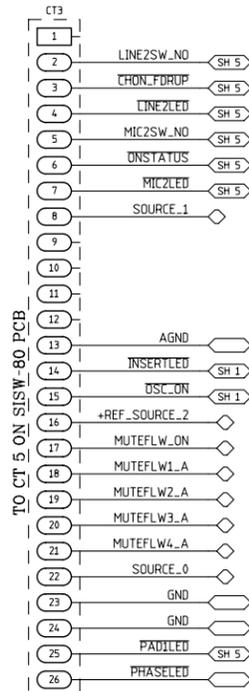
LOWER DB-25 CONNECTOR



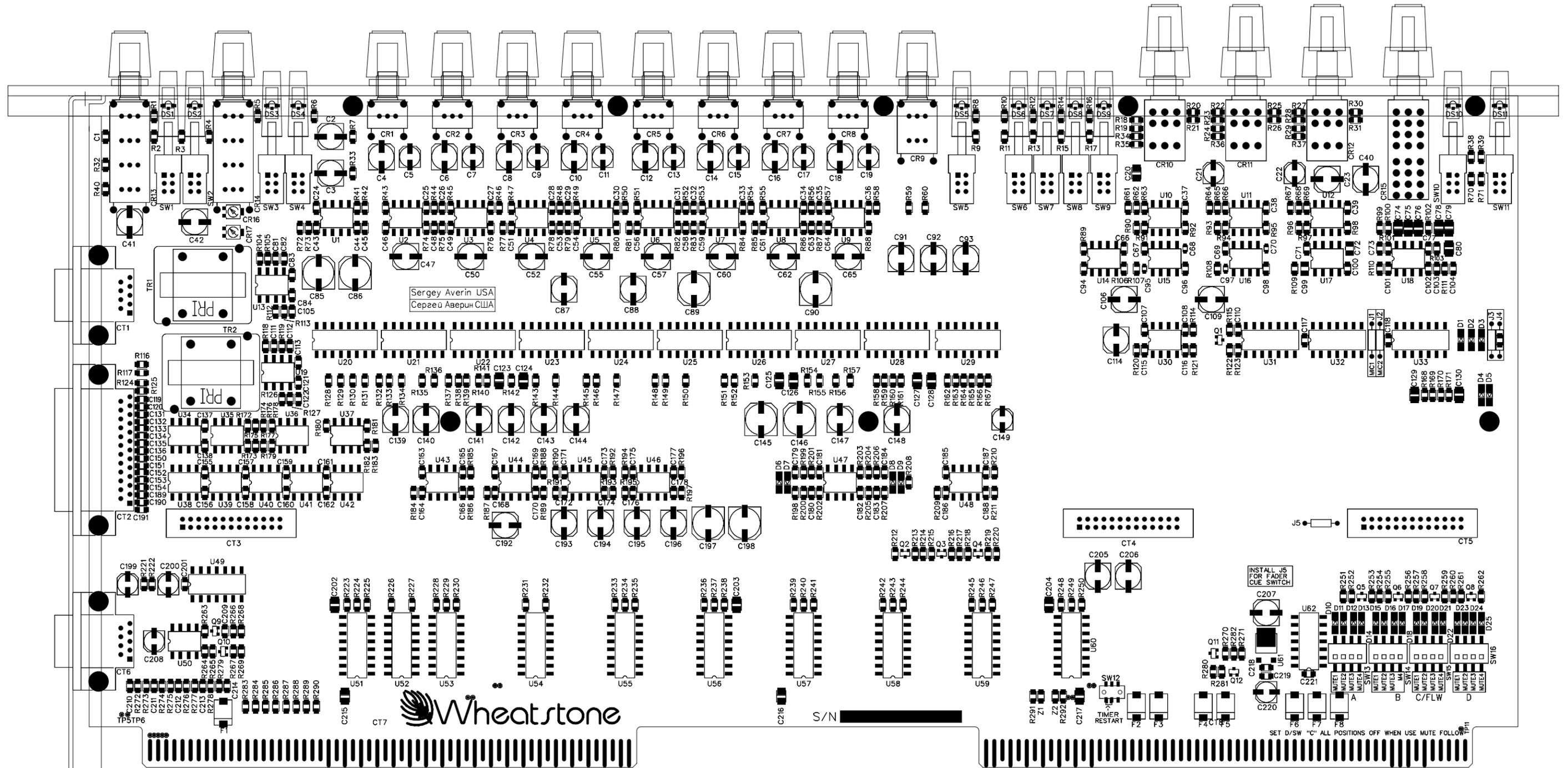
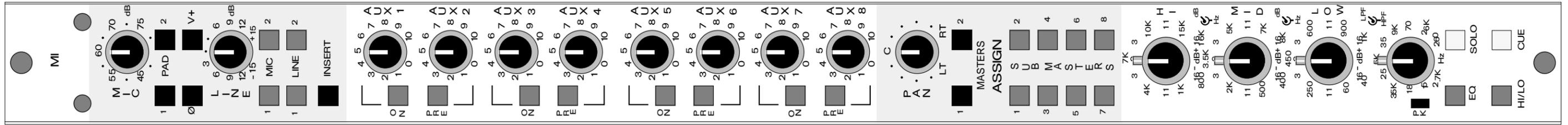
LOWER DB-9 CONNECTOR



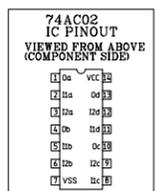
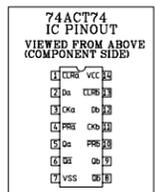
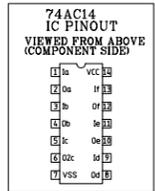
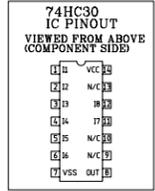
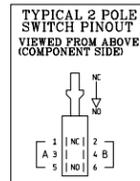
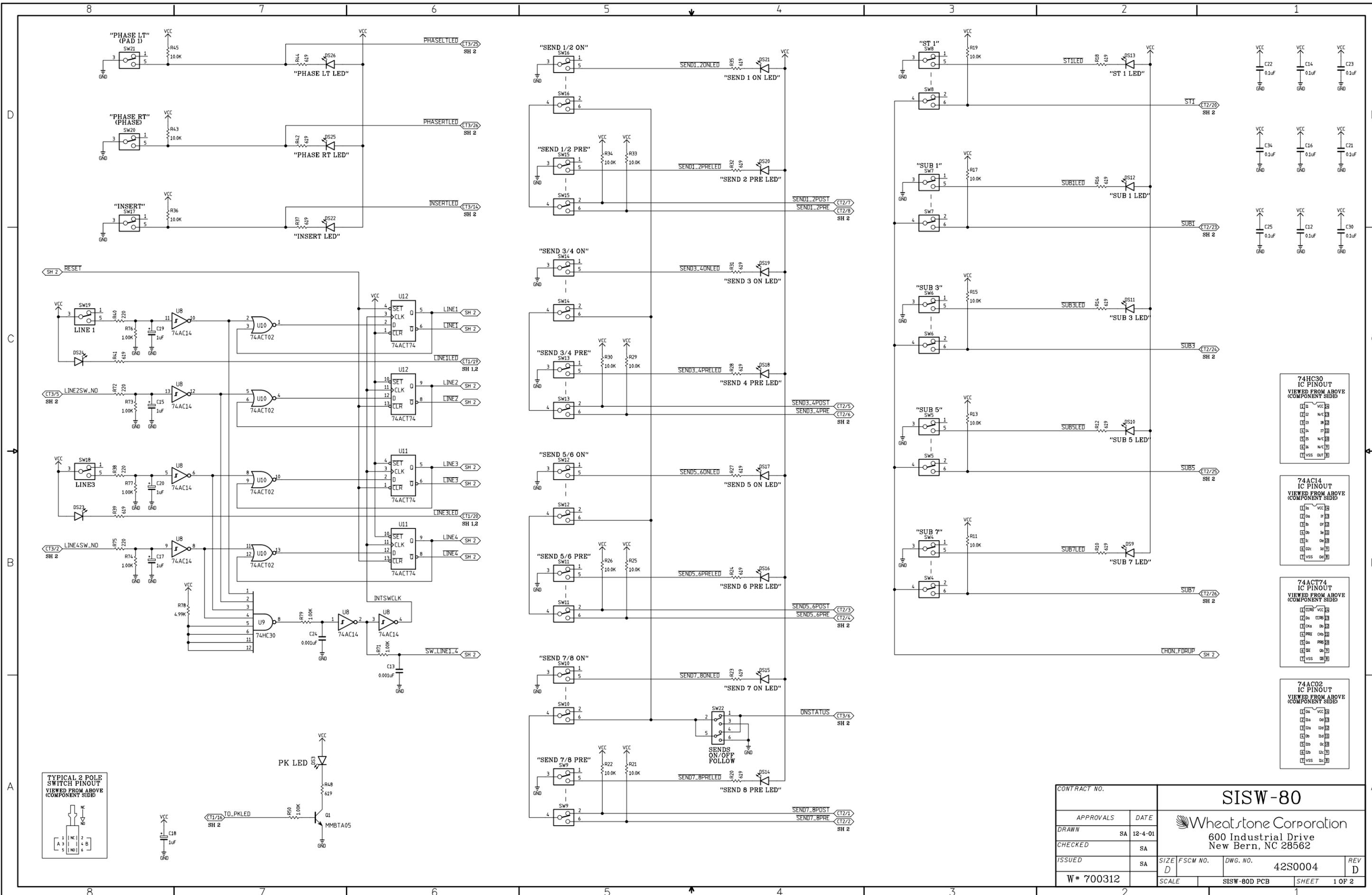
I/O CONNECTORS CHART



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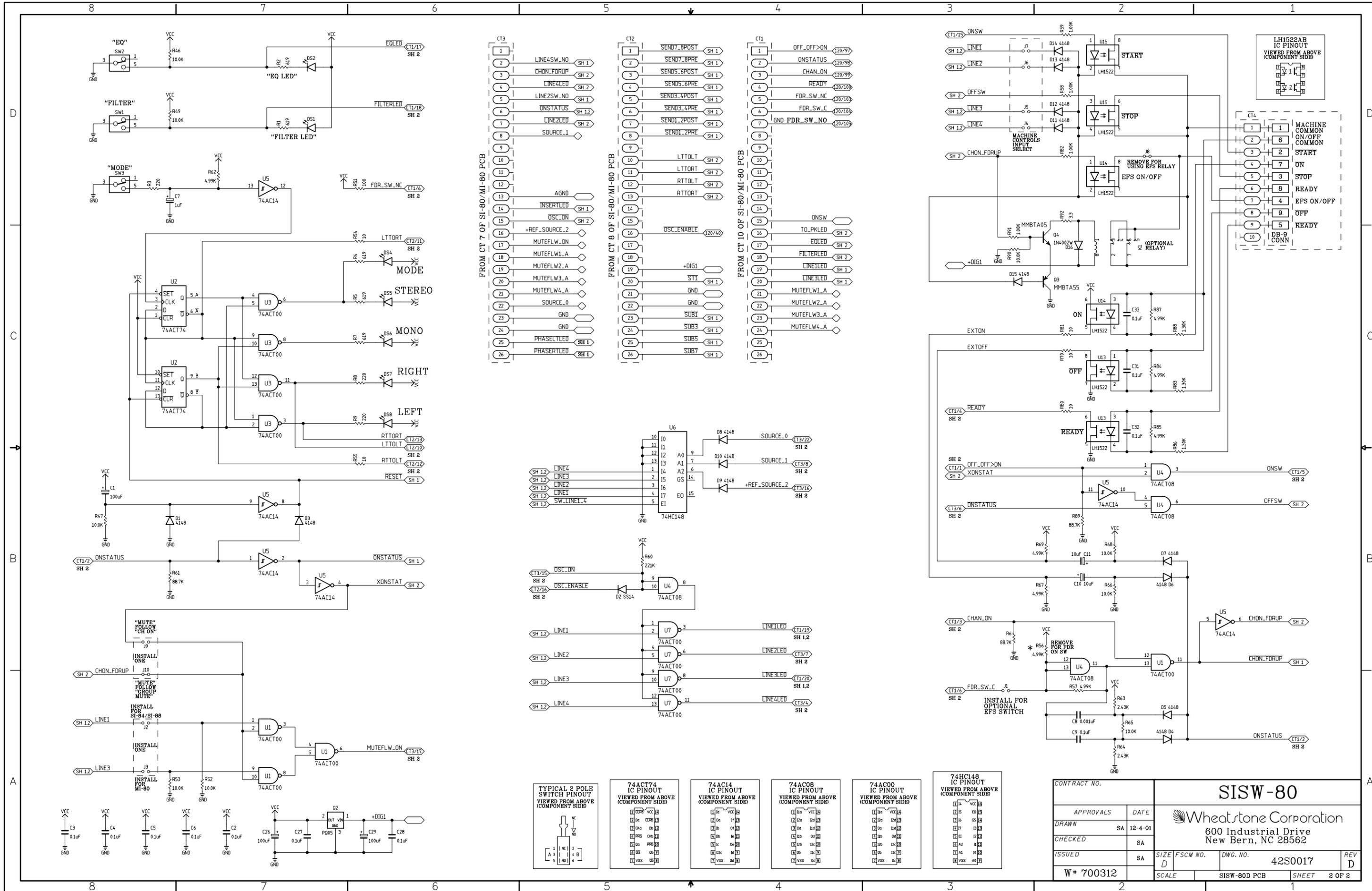


MI-88 Mono Input Module Load Sheet

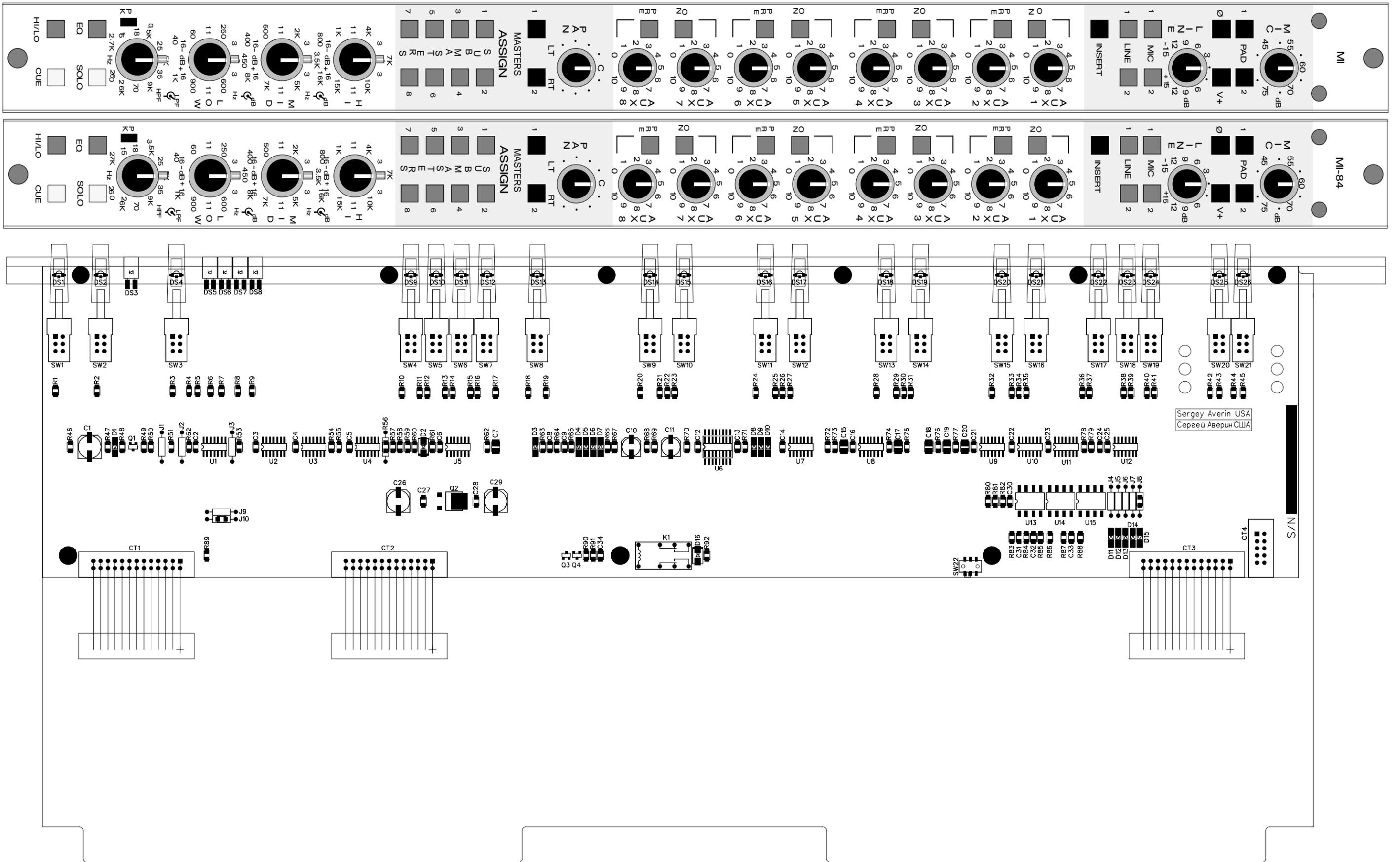


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		SCALE	SISW-80D PCB		SHEET 1 OF 2

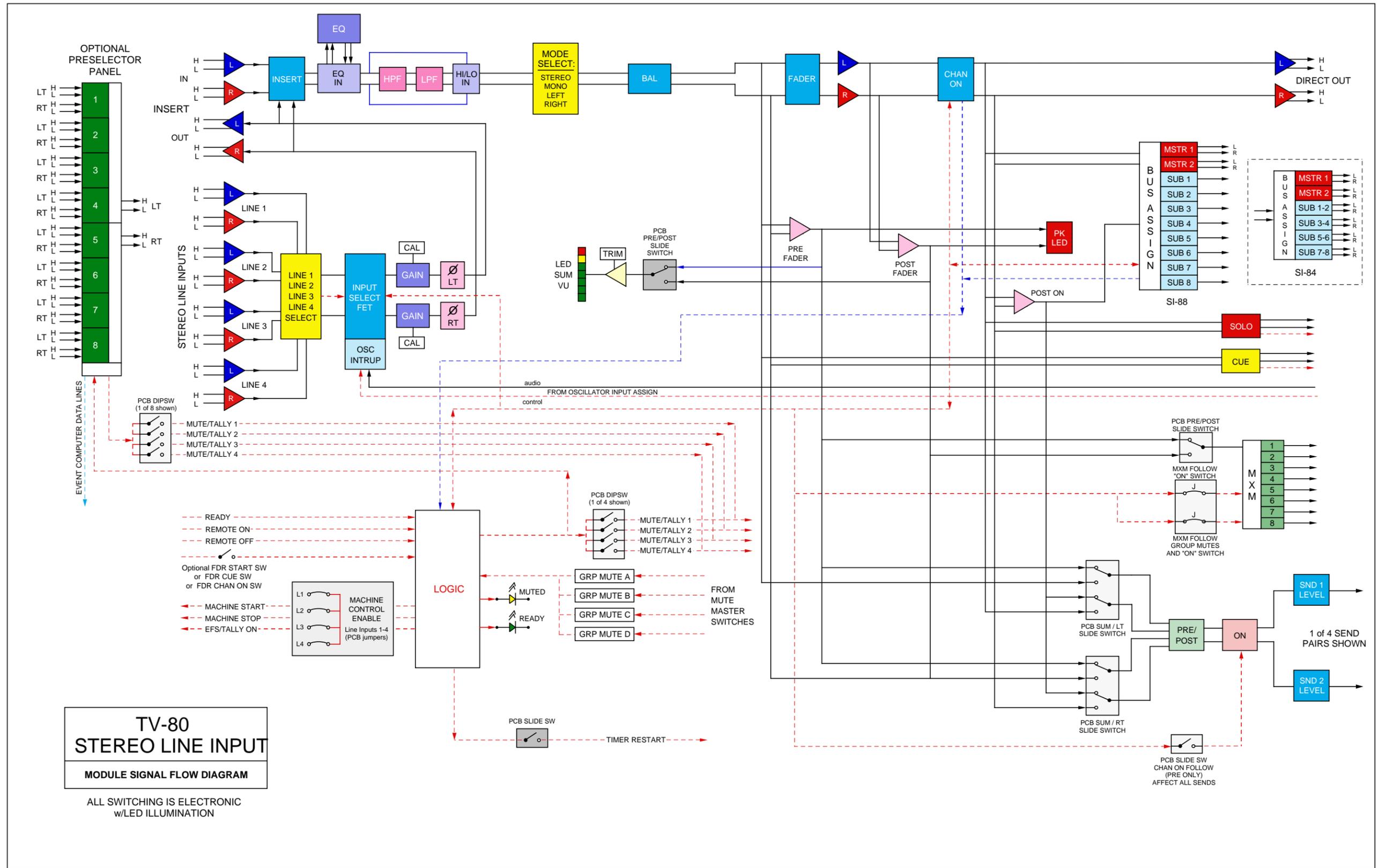
MI-84, MI-88 Mono Mic-Line/ SI-84, SI-88 Stereo Line Input Module Schematic - Sheet 7 of 8

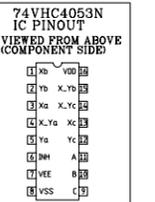
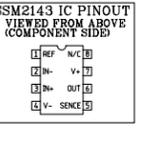
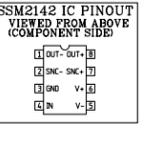
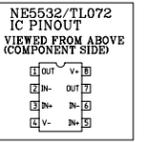
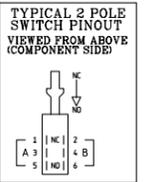
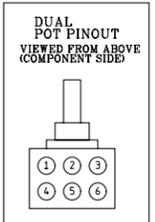
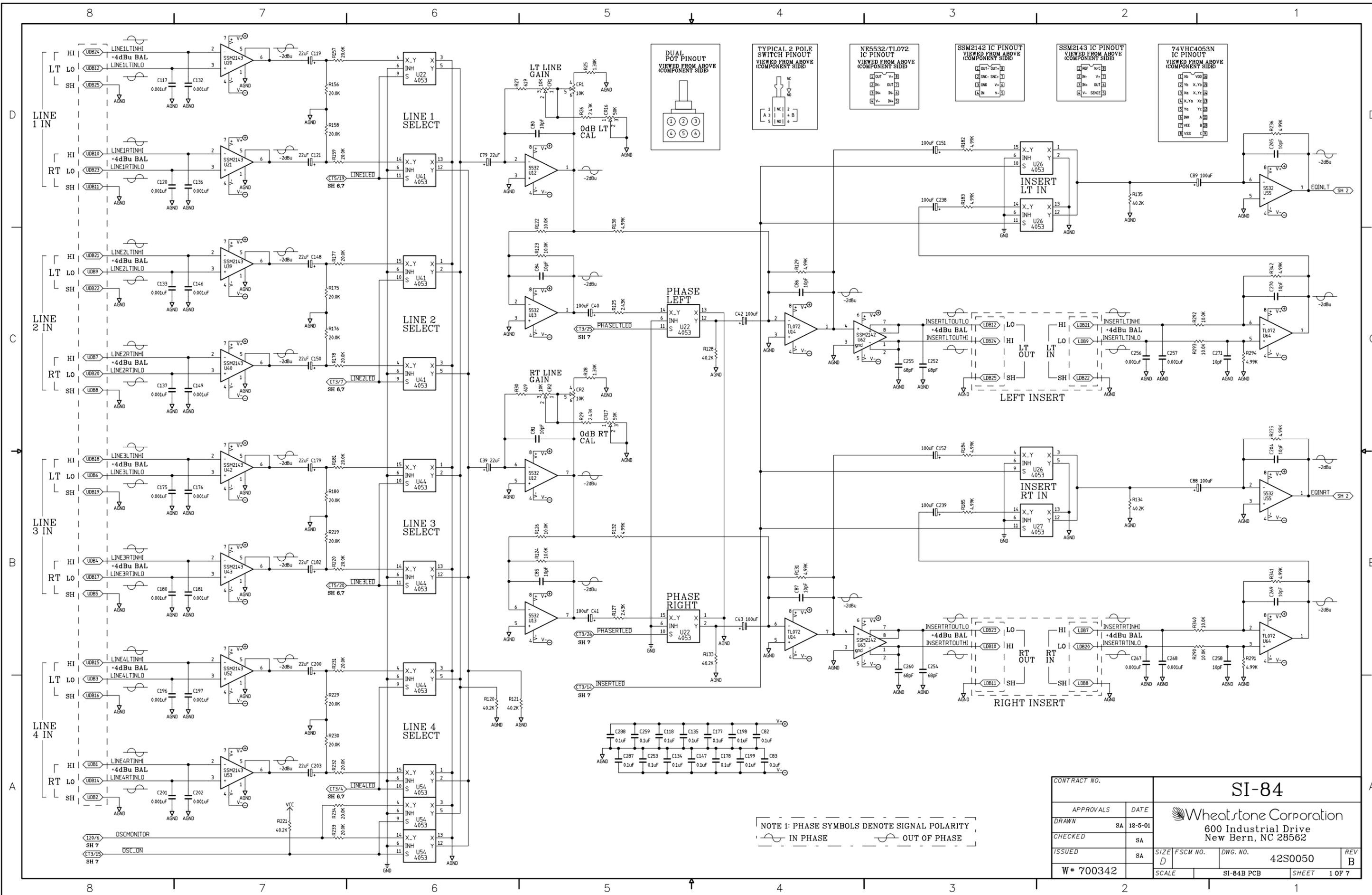


MI-84, MI-88 Mono Mic- Line/ SI-84, SI-88 Stereo Line Input Module Schematic - Sheet 8 of 8



SISW-80 (MI-84/MI-88) Mono Mic-Line Input Module Switch Card Load Sheet

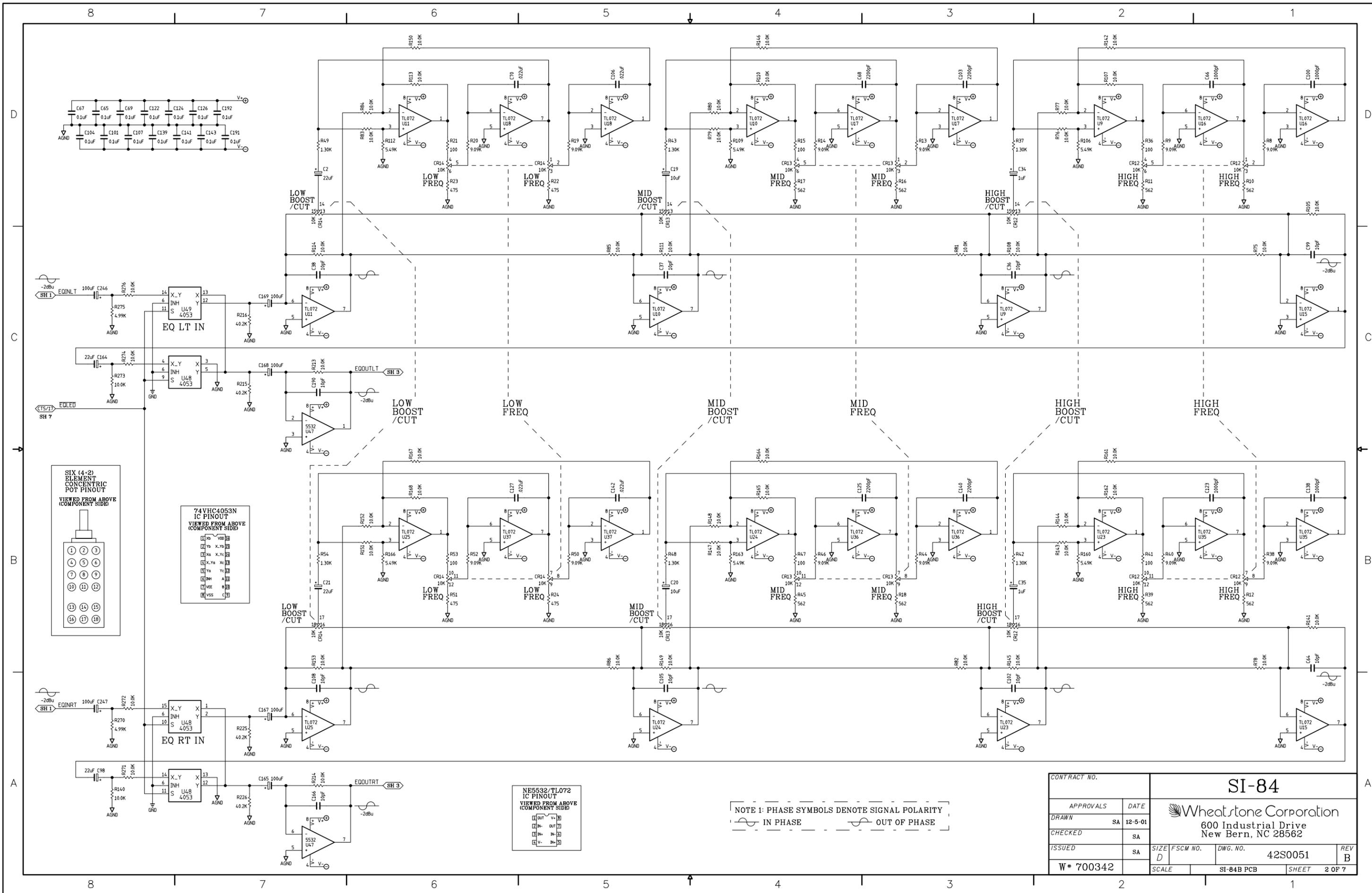




NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE
 OUT OF PHASE

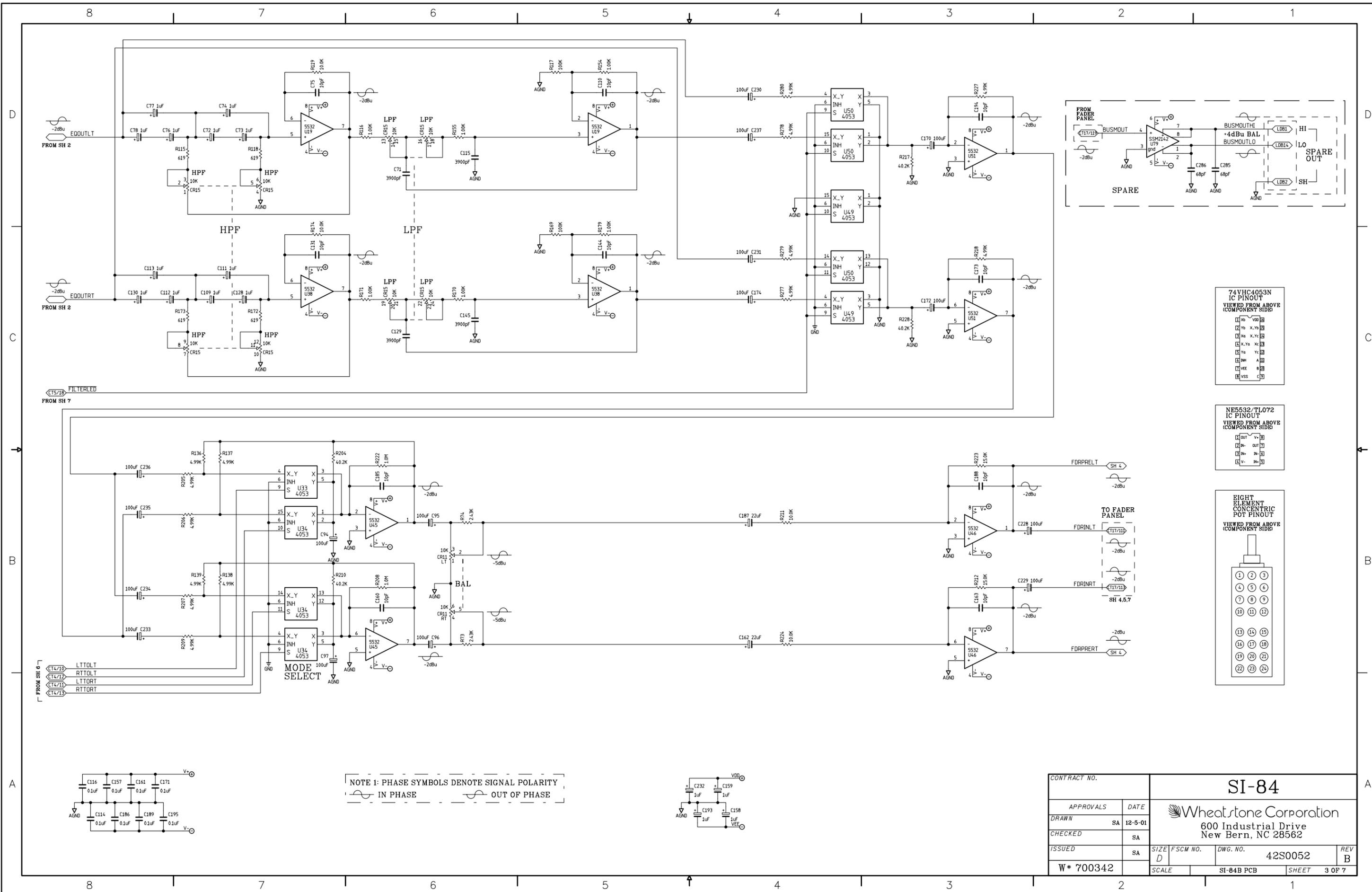
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CHECKED	SA				
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		SI-84B PCB		SHEET 1 OF 7	

SI-84 Stereo Line Input Module Schematic - Sheet 1 of 7



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SI-84 Stereo Line Input Module Schematic - Sheet 2 of 7

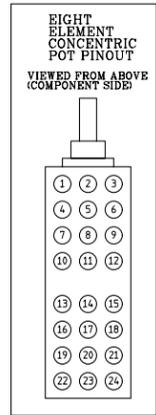


74VHC4053N IC PINOUT
VIEWED FROM ABOVE (COMPONENT SIDE)

1	VDD
2	X ₁ Y ₁ B
3	X ₁ Y ₁ A
4	X ₁ Y ₁ C
5	X ₁ Y ₁ D
6	X ₁ Y ₁ E
7	X ₁ Y ₁ F
8	X ₁ Y ₁ G
9	X ₁ Y ₁ H
10	X ₁ Y ₁ I
11	X ₁ Y ₁ J
12	X ₁ Y ₁ K
13	X ₁ Y ₁ L
14	X ₁ Y ₁ M
15	X ₁ Y ₁ N
16	X ₁ Y ₁ O
17	X ₁ Y ₁ P
18	X ₁ Y ₁ Q
19	X ₁ Y ₁ R
20	X ₁ Y ₁ S
21	X ₁ Y ₁ T
22	X ₁ Y ₁ U
23	X ₁ Y ₁ V
24	X ₁ Y ₁ W
25	X ₁ Y ₁ X
26	X ₁ Y ₁ Y
27	X ₁ Y ₁ Z
28	X ₁ Y ₁ AA
29	X ₁ Y ₁ AB
30	X ₁ Y ₁ AC
31	X ₁ Y ₁ AD
32	X ₁ Y ₁ AE
33	X ₁ Y ₁ AF
34	X ₁ Y ₁ AG
35	X ₁ Y ₁ AH
36	X ₁ Y ₁ AI
37	X ₁ Y ₁ AJ
38	X ₁ Y ₁ AK
39	X ₁ Y ₁ AL
40	X ₁ Y ₁ AM
41	X ₁ Y ₁ AN
42	X ₁ Y ₁ AO
43	X ₁ Y ₁ AP
44	X ₁ Y ₁ AQ
45	X ₁ Y ₁ AR
46	X ₁ Y ₁ AS
47	X ₁ Y ₁ AT
48	X ₁ Y ₁ AU
49	X ₁ Y ₁ AV
50	X ₁ Y ₁ AW
51	X ₁ Y ₁ AX
52	X ₁ Y ₁ AY
53	X ₁ Y ₁ AZ
54	X ₁ Y ₁ BA
55	X ₁ Y ₁ BB
56	X ₁ Y ₁ BC
57	X ₁ Y ₁ BD
58	X ₁ Y ₁ BE
59	X ₁ Y ₁ BF
60	X ₁ Y ₁ BG
61	X ₁ Y ₁ BH
62	X ₁ Y ₁ BI
63	X ₁ Y ₁ BJ
64	X ₁ Y ₁ BK
65	X ₁ Y ₁ BL
66	X ₁ Y ₁ BM
67	X ₁ Y ₁ BN
68	X ₁ Y ₁ BO
69	X ₁ Y ₁ BP
70	X ₁ Y ₁ BQ
71	X ₁ Y ₁ BR
72	X ₁ Y ₁ BS
73	X ₁ Y ₁ BT
74	X ₁ Y ₁ BU
75	X ₁ Y ₁ BV
76	X ₁ Y ₁ BW
77	X ₁ Y ₁ BX
78	X ₁ Y ₁ BY
79	X ₁ Y ₁ BZ
80	X ₁ Y ₁ CA
81	X ₁ Y ₁ CB
82	X ₁ Y ₁ CC
83	X ₁ Y ₁ CD
84	X ₁ Y ₁ CE
85	X ₁ Y ₁ CF
86	X ₁ Y ₁ CG
87	X ₁ Y ₁ CH
88	X ₁ Y ₁ CI
89	X ₁ Y ₁ CJ
90	X ₁ Y ₁ CK
91	X ₁ Y ₁ CL
92	X ₁ Y ₁ CM
93	X ₁ Y ₁ CN
94	X ₁ Y ₁ CO
95	X ₁ Y ₁ CP
96	X ₁ Y ₁ CQ
97	X ₁ Y ₁ CR
98	X ₁ Y ₁ CS
99	X ₁ Y ₁ CT
100	X ₁ Y ₁ CU
101	X ₁ Y ₁ CV
102	X ₁ Y ₁ CW
103	X ₁ Y ₁ CX
104	X ₁ Y ₁ CY
105	X ₁ Y ₁ CZ
106	X ₁ Y ₁ DA
107	X ₁ Y ₁ DB
108	X ₁ Y ₁ DC
109	X ₁ Y ₁ DD
110	X ₁ Y ₁ DE
111	X ₁ Y ₁ DF
112	X ₁ Y ₁ DG
113	X ₁ Y ₁ DH
114	X ₁ Y ₁ DI
115	X ₁ Y ₁ DJ
116	X ₁ Y ₁ DK
117	X ₁ Y ₁ DL
118	X ₁ Y ₁ DM
119	X ₁ Y ₁ DN
120	X ₁ Y ₁ DO
121	X ₁ Y ₁ DP
122	X ₁ Y ₁ DQ
123	X ₁ Y ₁ DR
124	X ₁ Y ₁ DS
125	X ₁ Y ₁ DT
126	X ₁ Y ₁ DU
127	X ₁ Y ₁ DV
128	X ₁ Y ₁ DW
129	X ₁ Y ₁ DX
130	X ₁ Y ₁ DY
131	X ₁ Y ₁ DX
132	X ₁ Y ₁ DY
133	X ₁ Y ₁ DZ
134	X ₁ Y ₁ EA
135	X ₁ Y ₁ EB
136	X ₁ Y ₁ EC
137	X ₁ Y ₁ ED
138	X ₁ Y ₁ EE
139	X ₁ Y ₁ EF
140	X ₁ Y ₁ EG
141	X ₁ Y ₁ EH
142	X ₁ Y ₁ EI
143	X ₁ Y ₁ EJ
144	X ₁ Y ₁ EK
145	X ₁ Y ₁ EL
146	X ₁ Y ₁ EM
147	X ₁ Y ₁ EN
148	X ₁ Y ₁ EO
149	X ₁ Y ₁ EP
150	X ₁ Y ₁ EQ
151	X ₁ Y ₁ ER
152	X ₁ Y ₁ ES
153	X ₁ Y ₁ ET
154	X ₁ Y ₁ EU
155	X ₁ Y ₁ EV
156	X ₁ Y ₁ EW
157	X ₁ Y ₁ EX
158	X ₁ Y ₁ EY
159	X ₁ Y ₁ EX
160	X ₁ Y ₁ EY
161	X ₁ Y ₁ EZ
162	X ₁ Y ₁ FA
163	X ₁ Y ₁ FB
164	X ₁ Y ₁ FC
165	X ₁ Y ₁ FD
166	X ₁ Y ₁ FE
167	X ₁ Y ₁ FF
168	X ₁ Y ₁ FG
169	X ₁ Y ₁ FH
170	X ₁ Y ₁ FI
171	X ₁ Y ₁ FJ
172	X ₁ Y ₁ FK
173	X ₁ Y ₁ FL
174	X ₁ Y ₁ FM
175	X ₁ Y ₁ FN
176	X ₁ Y ₁ FO
177	X ₁ Y ₁ FP
178	X ₁ Y ₁ FQ
179	X ₁ Y ₁ FR
180	X ₁ Y ₁ FS
181	X ₁ Y ₁ FT
182	X ₁ Y ₁ FU
183	X ₁ Y ₁ FV
184	X ₁ Y ₁ FW
185	X ₁ Y ₁ FX
186	X ₁ Y ₁ FY
187	X ₁ Y ₁ FX
188	X ₁ Y ₁ FY
189	X ₁ Y ₁ FZ
190	X ₁ Y ₁ GA
191	X ₁ Y ₁ GB
192	X ₁ Y ₁ GC
193	X ₁ Y ₁ GD
194	X ₁ Y ₁ GE
195	X ₁ Y ₁ GF
196	X ₁ Y ₁ GG
197	X ₁ Y ₁ GH
198	X ₁ Y ₁ GI
199	X ₁ Y ₁ GJ
200	X ₁ Y ₁ GK
201	X ₁ Y ₁ GL
202	X ₁ Y ₁ GM
203	X ₁ Y ₁ GN
204	X ₁ Y ₁ GO
205	X ₁ Y ₁ GP
206	X ₁ Y ₁ GQ
207	X ₁ Y ₁ GR
208	X ₁ Y ₁ GS
209	X ₁ Y ₁ GT
210	X ₁ Y ₁ GU
211	X ₁ Y ₁ GV
212	X ₁ Y ₁ GW
213	X ₁ Y ₁ GX
214	X ₁ Y ₁ GY
215	X ₁ Y ₁ GX
216	X ₁ Y ₁ GY
217	X ₁ Y ₁ GZ
218	X ₁ Y ₁ HA
219	X ₁ Y ₁ HB
220	X ₁ Y ₁ HC
221	X ₁ Y ₁ HD
222	X ₁ Y ₁ HE
223	X ₁ Y ₁ HF
224	X ₁ Y ₁ HG
225	X ₁ Y ₁ HH
226	X ₁ Y ₁ HI
227	X ₁ Y ₁ HI
228	X ₁ Y ₁ HI
229	X ₁ Y ₁ HI
230	X ₁ Y ₁ HI
231	X ₁ Y ₁ HI
232	X ₁ Y ₁ HI
233	X ₁ Y ₁ HI
234	X ₁ Y ₁ HI
235	X ₁ Y ₁ HI
236	X ₁ Y ₁ HI
237	X ₁ Y ₁ HI
238	X ₁ Y ₁ HI
239	X ₁ Y ₁ HI
240	X ₁ Y ₁ HI
241	X ₁ Y ₁ HI
242	X ₁ Y ₁ HI
243	X ₁ Y ₁ HI
244	X ₁ Y ₁ HI
245	X ₁ Y ₁ HI
246	X ₁ Y ₁ HI
247	X ₁ Y ₁ HI
248	X ₁ Y ₁ HI
249	X ₁ Y ₁ HI
250	X ₁ Y ₁ HI

NE5532/TL072 IC PINOUT
VIEWED FROM ABOVE (COMPONENT SIDE)

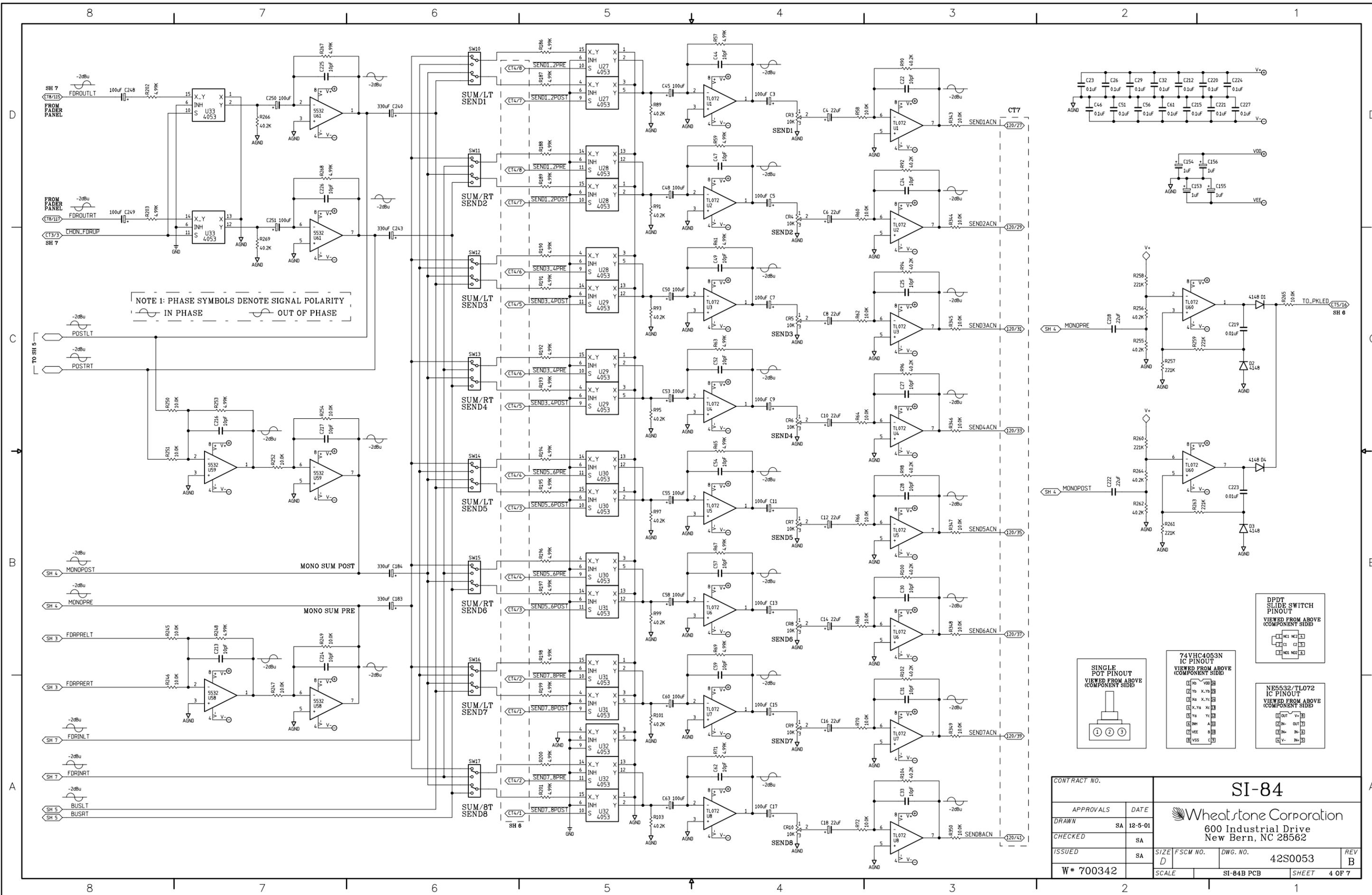
1	V ₊
2	OUT
3	IN
4	V ₋



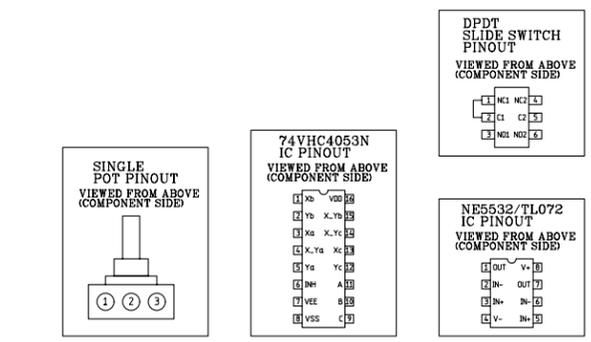
NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE OUT OF PHASE

CONTRACT NO.		SI-84			
APPROVALS	DATE	Wheatstone Corporation			
DRAWN	SA 12-5-01	600 Industrial Drive			
CHECKED	SA	New Bern, NC 28562			
ISSUED	SA	SIZE D	FSCM NO.	DWG. NO. 42S0052	REV B
W# 700342	SCALE	SI-84B PCB		SHEET 3 OF 7	

SI-84 Stereo Line Input Module Schematic - Sheet 3 of 7

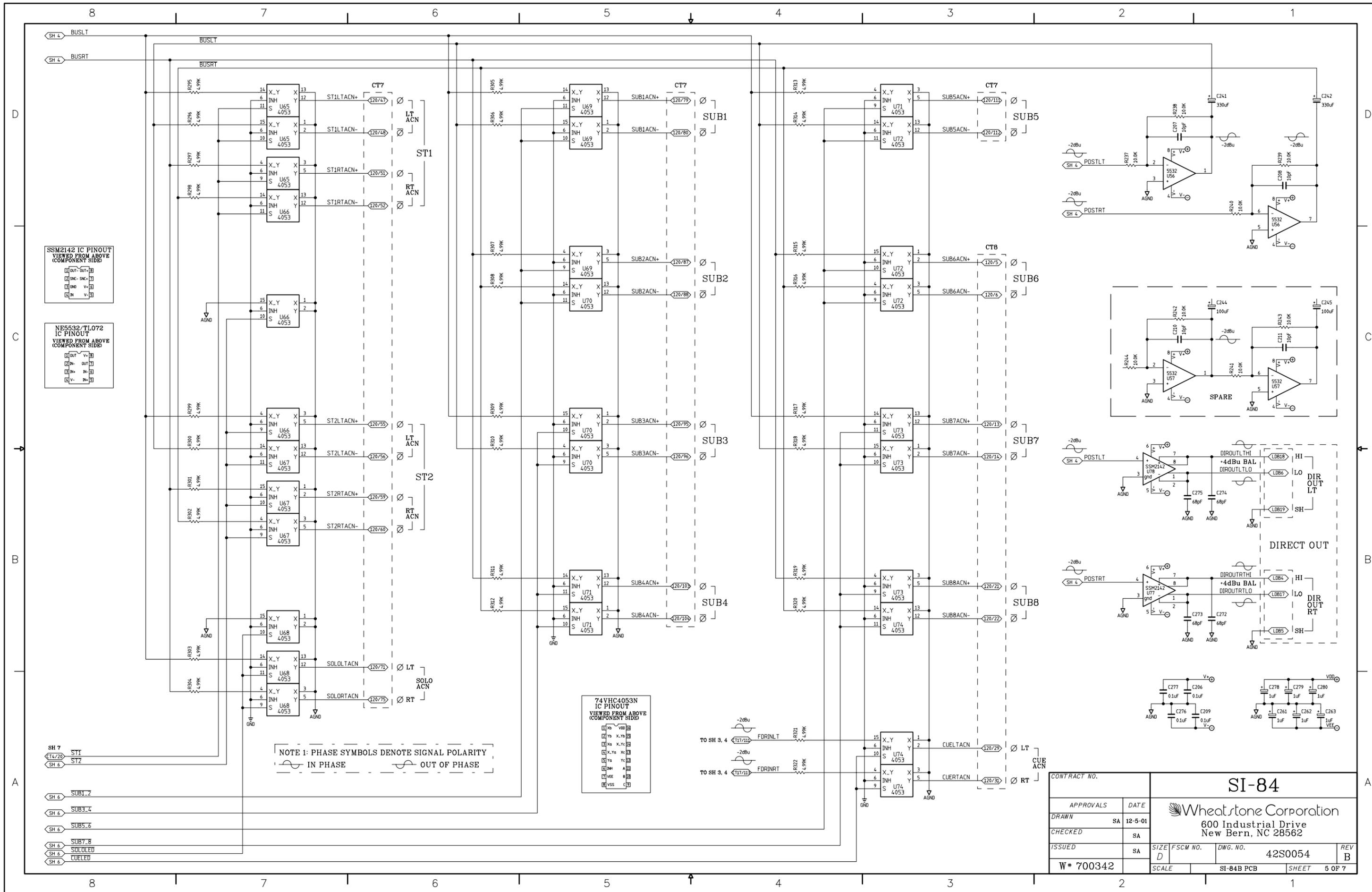


NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE (wavy line with dot)
 OUT OF PHASE (wavy line with cross)

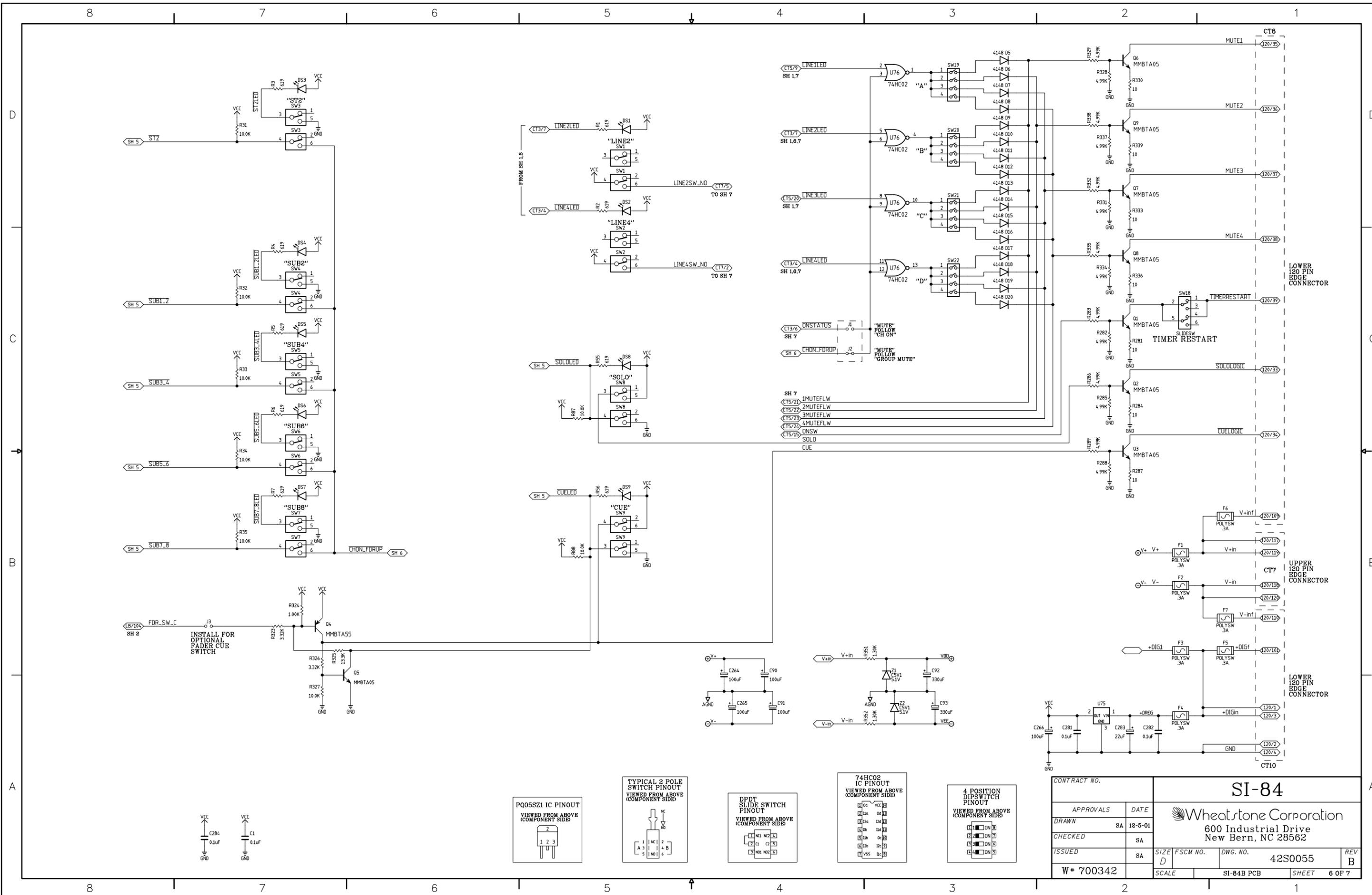


CONTRACT NO.		SI-84	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN	SA 12-5-01	600 Industrial Drive	
CHECKED	SA	New Bern, NC 28562	
ISSUED	SA	SIZE D	FSCM NO. 42S0053
W# 700342	SCALE	SI-84B PCB	SHEET 4 OF 7

SI-84 Stereo Line Input Module Schematic - Sheet 4 of 7



SI-84 Stereo Line Input Module Schematic - Sheet 5 of 7

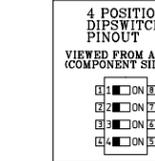
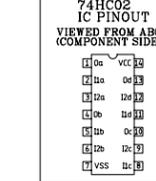
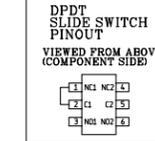
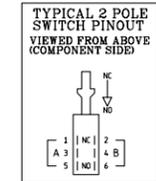
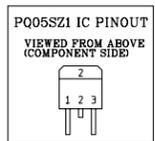
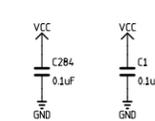


INSTALL FOR
OPTIONAL
FADER CUE
SWITCH

LOWER
120 PIN
EDGE
CONNECTOR

UPPER
120 PIN
EDGE
CONNECTOR

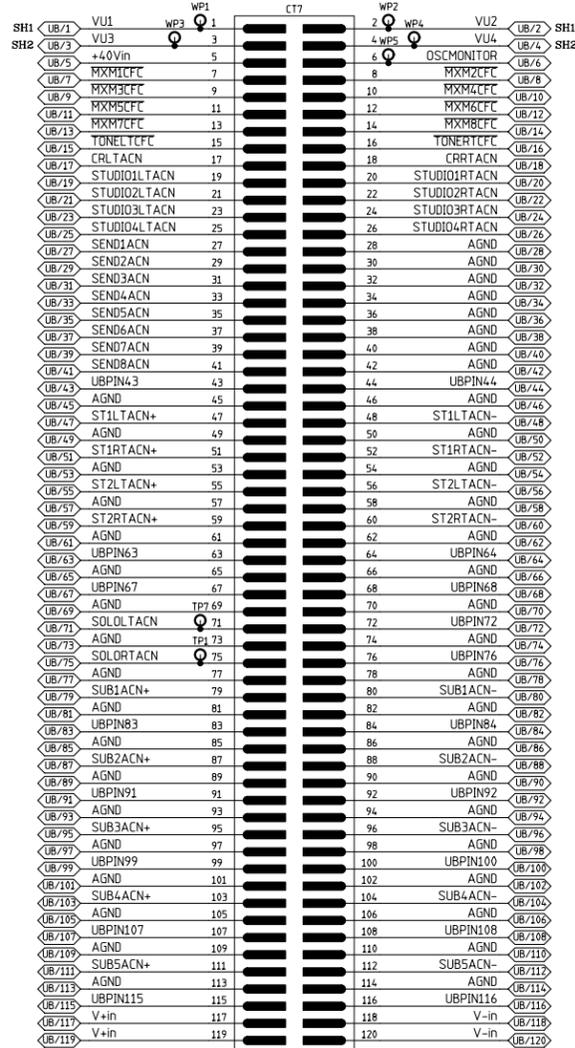
LOWER
120 PIN
EDGE
CONNECTOR



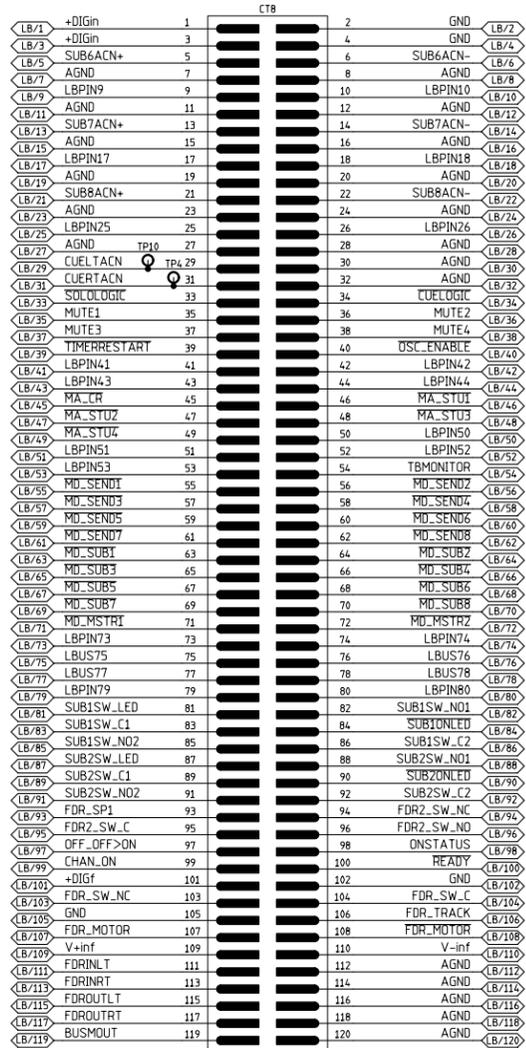
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APPROVALS	DATE	 600 Industrial Drive New Bern, NC 28562	
DRAWN	SA 12-5-01		
CHECKED	SA	SIZE	FSCM NO.
ISSUED	SA	DWG. NO.	42S0055
W# 700342	SCALE	SI-84B PCB	SHEET 6 OF 7

SI-84 Stereo Line Input Module Schematic - Sheet 6 of 7

UPPER 120 PIN EDGE CONNECTOR

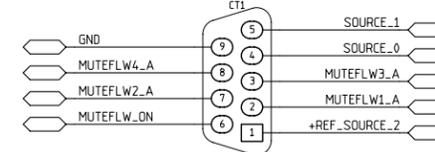


LOWER 120 PIN EDGE CONNECTOR

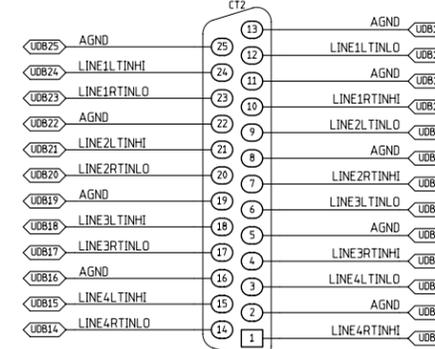


EDGE CONNECTORS BUSS CHART

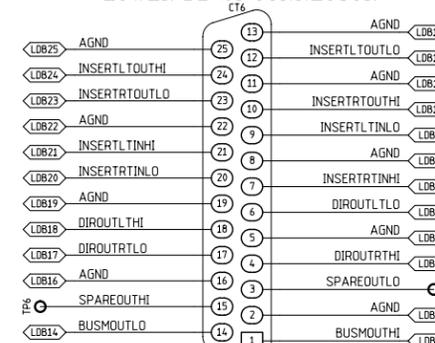
UPPER DB-9 CONNECTOR



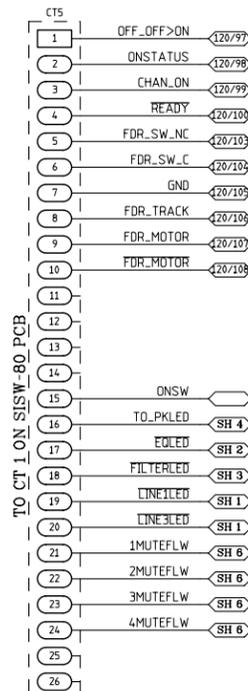
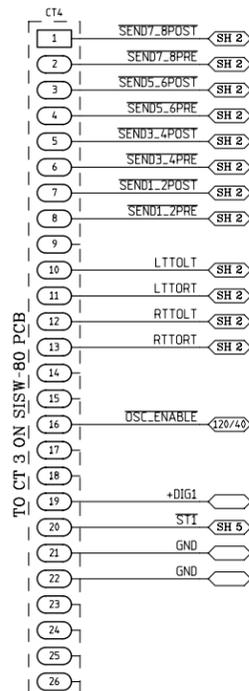
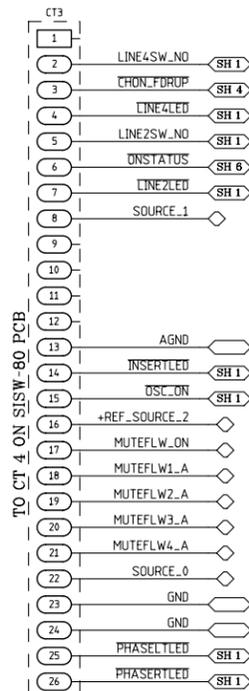
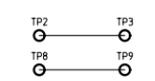
UPPER DB-25 CONNECTOR



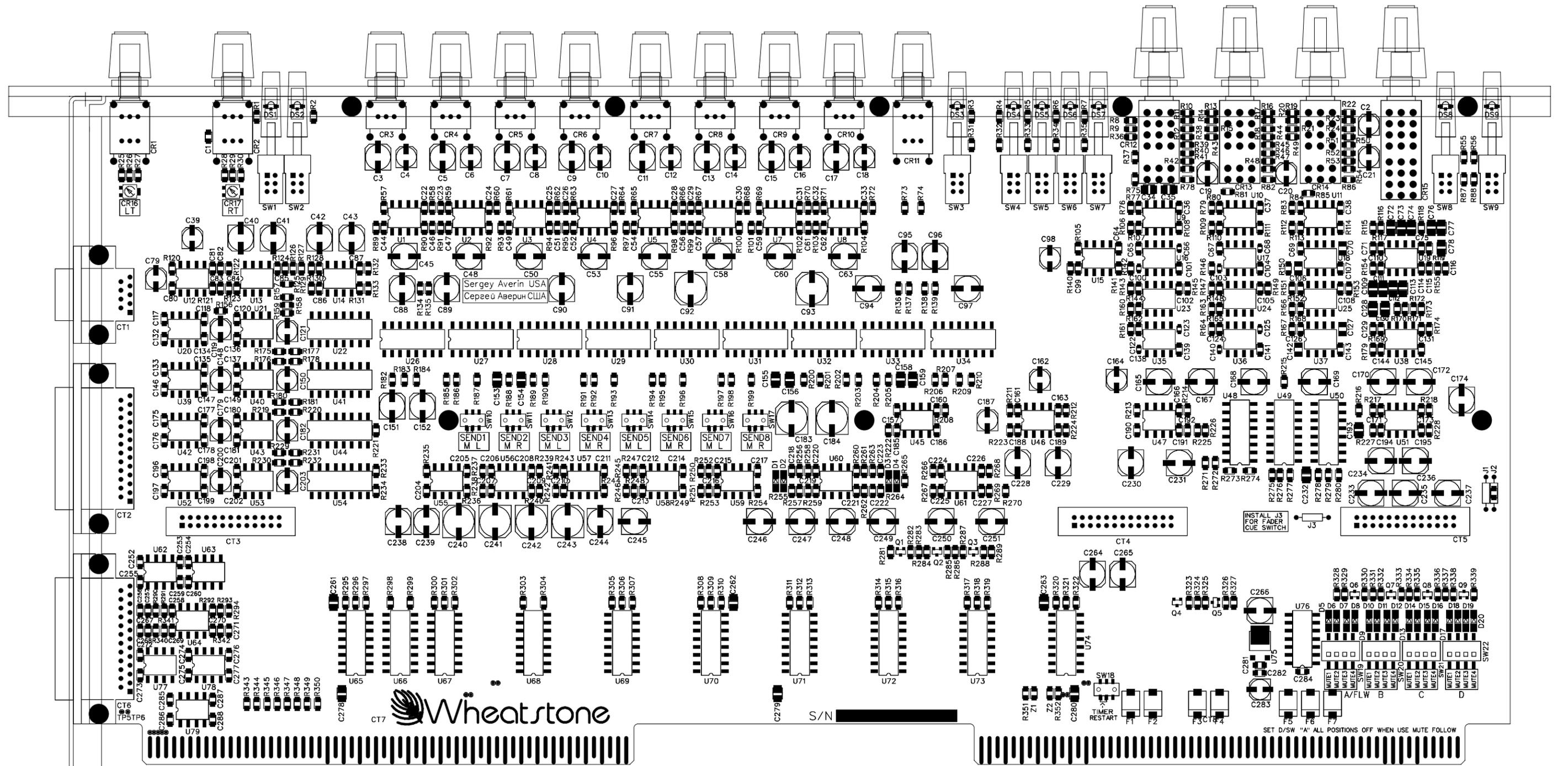
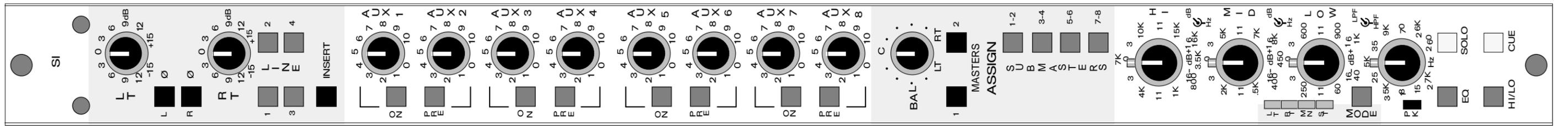
LOWER DB-25 CONNECTOR



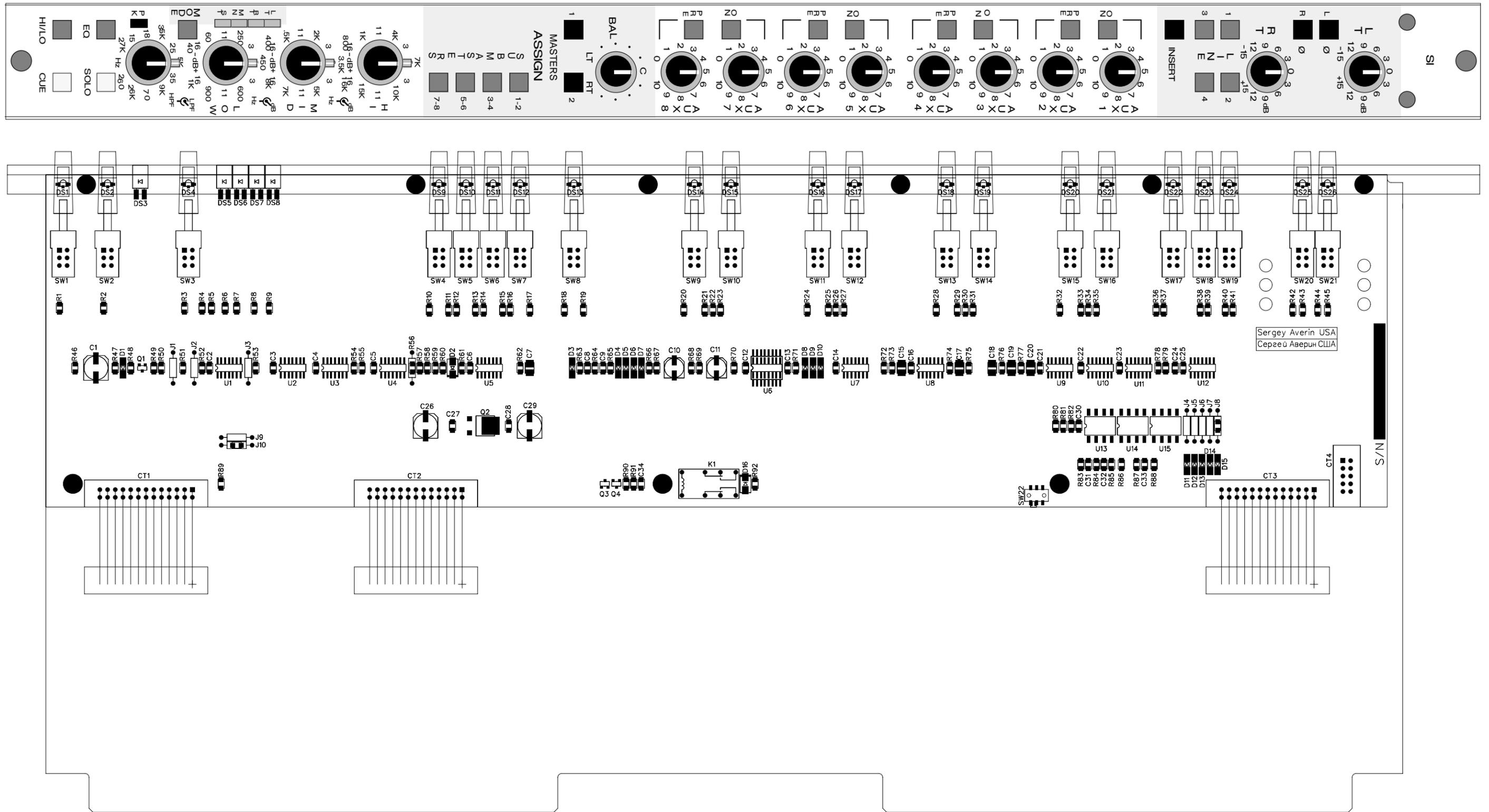
I/O CONNECTORS CHART



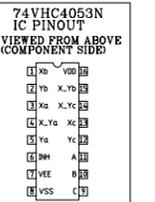
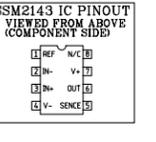
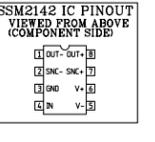
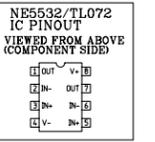
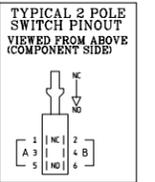
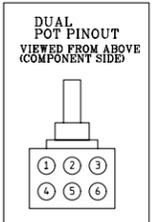
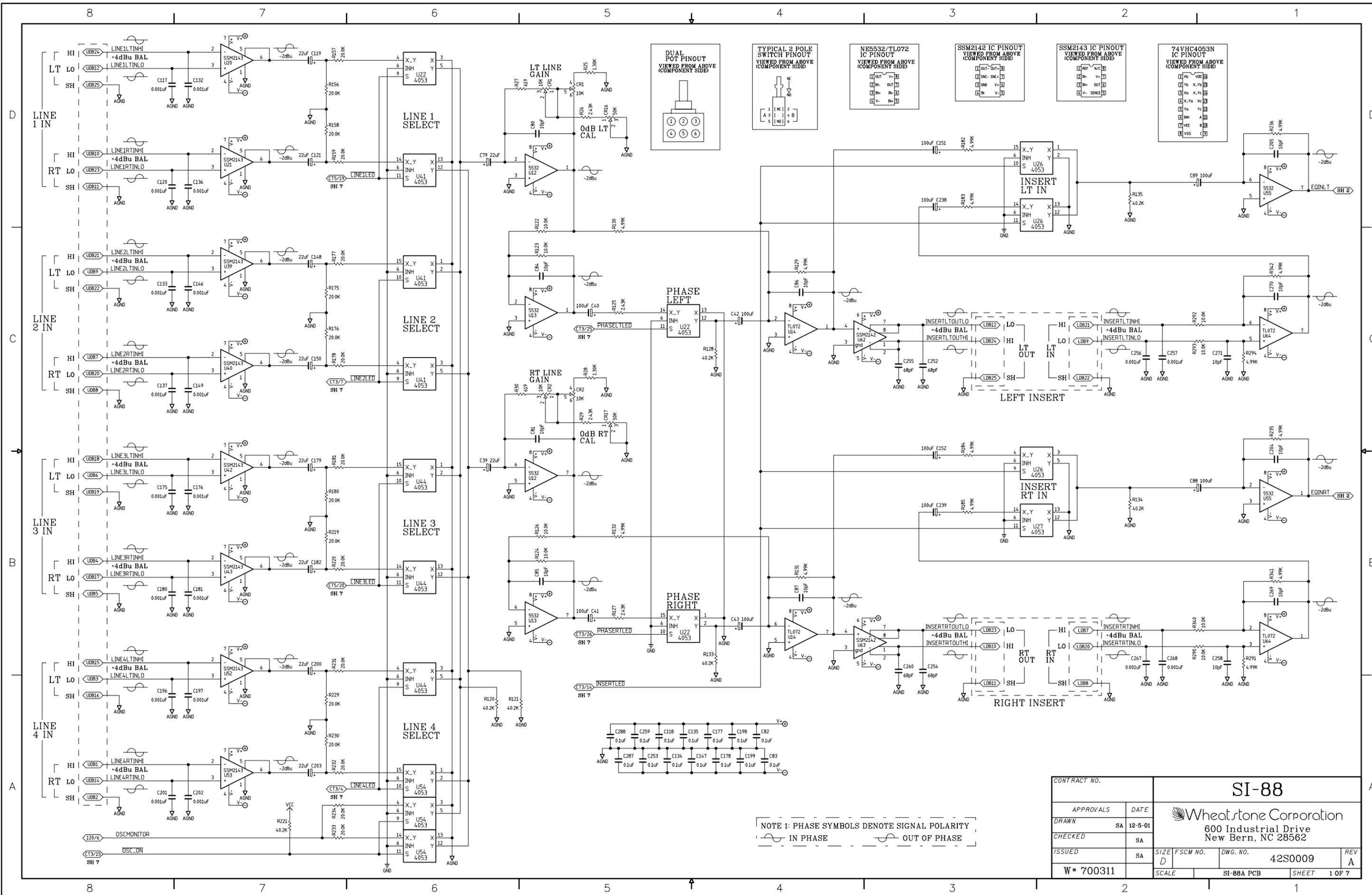
CONTRACT NO.		SI-84			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 12-5-01				
CHECKED	SA	SIZE	FSCM NO.	DWG. NO.	REV
ISSUED	SA	D		42S0056	B
W # 700342	SCALE	SI-84B PCB		SHEET	7 OF 7



SI-84 Stereo Line Input Module Load Sheet



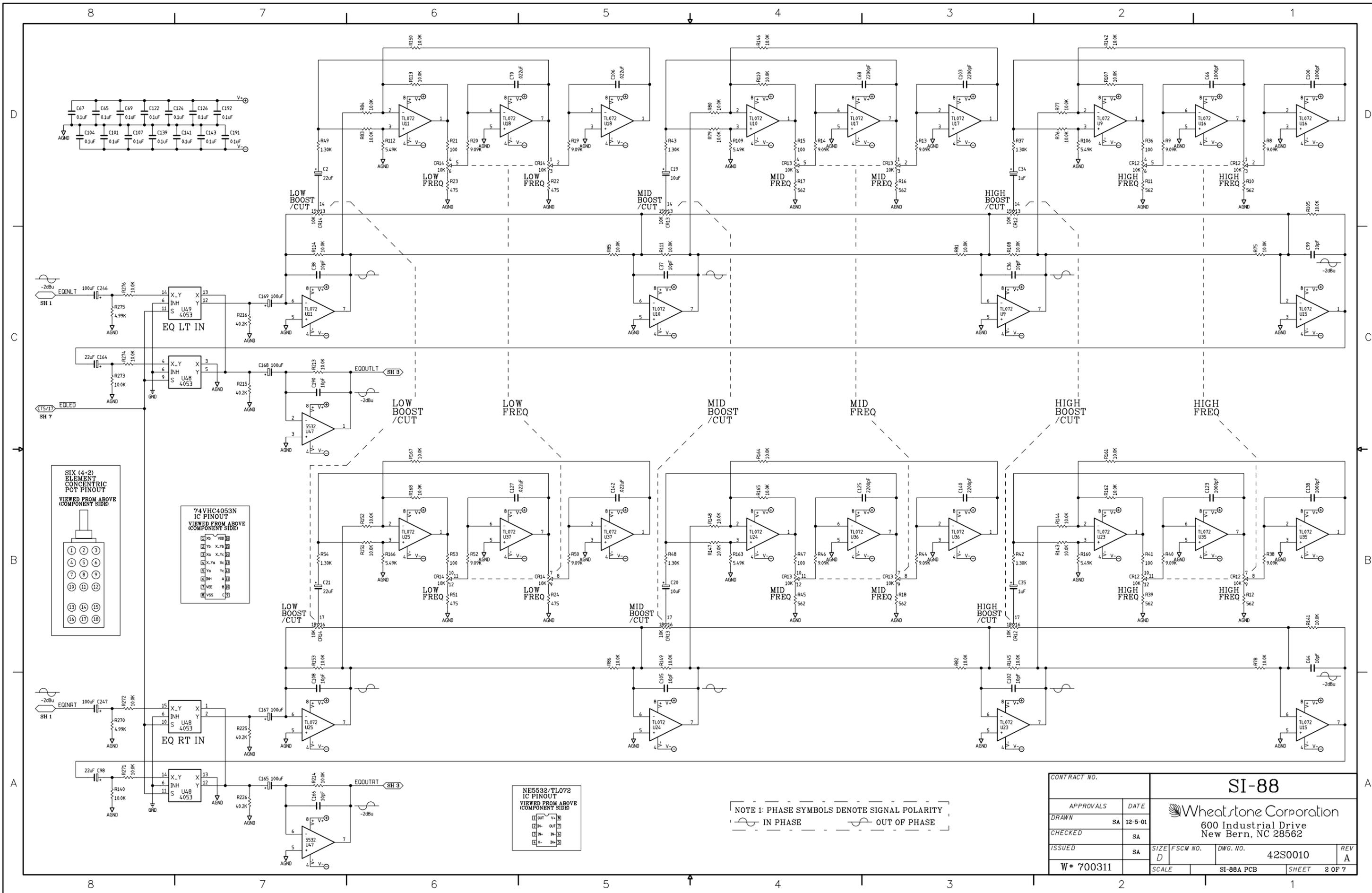
SISW-80 (SI-84) Stereo Line Input Module Switch Card Load Sheet



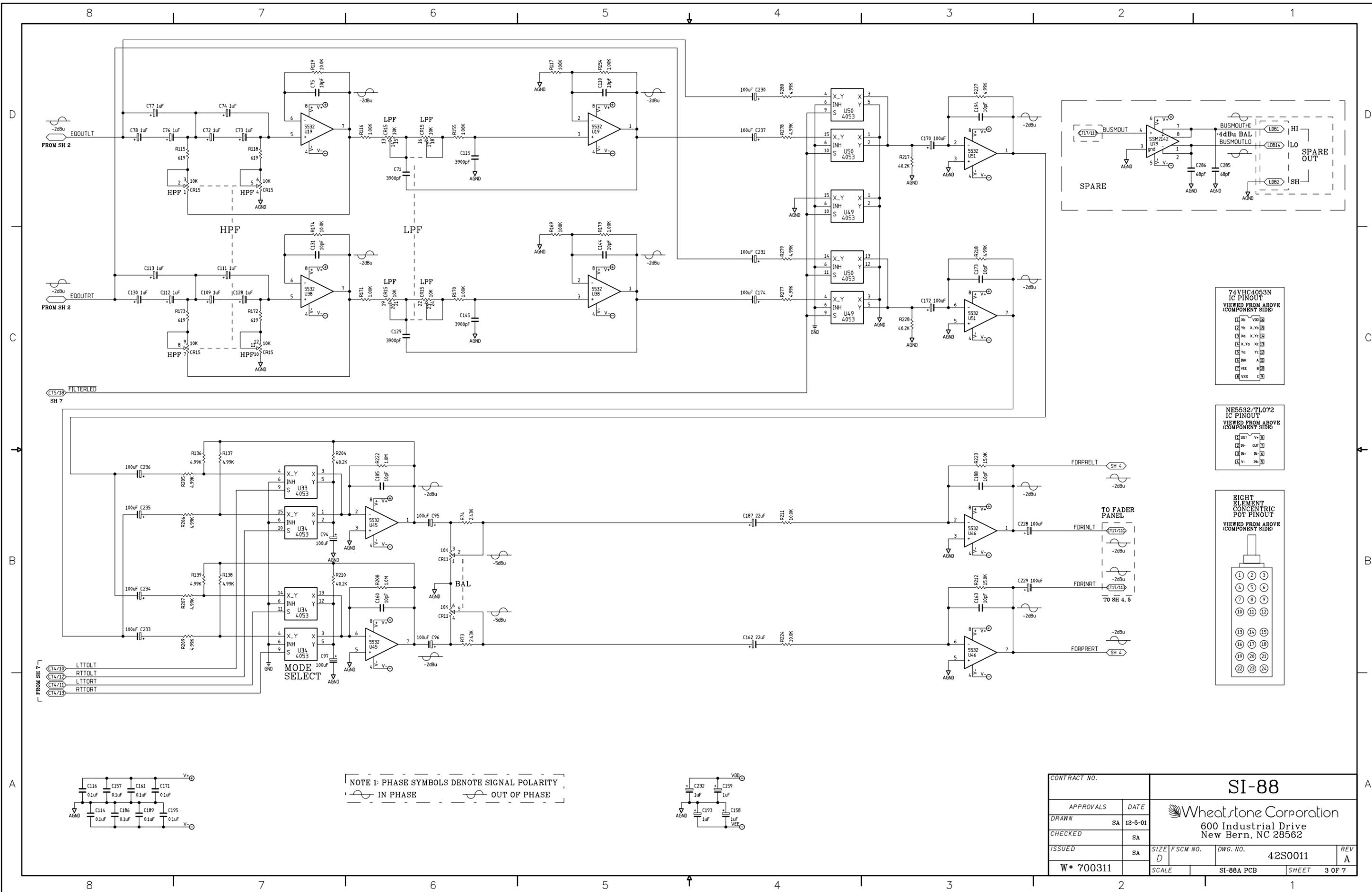
NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE
 OUT OF PHASE

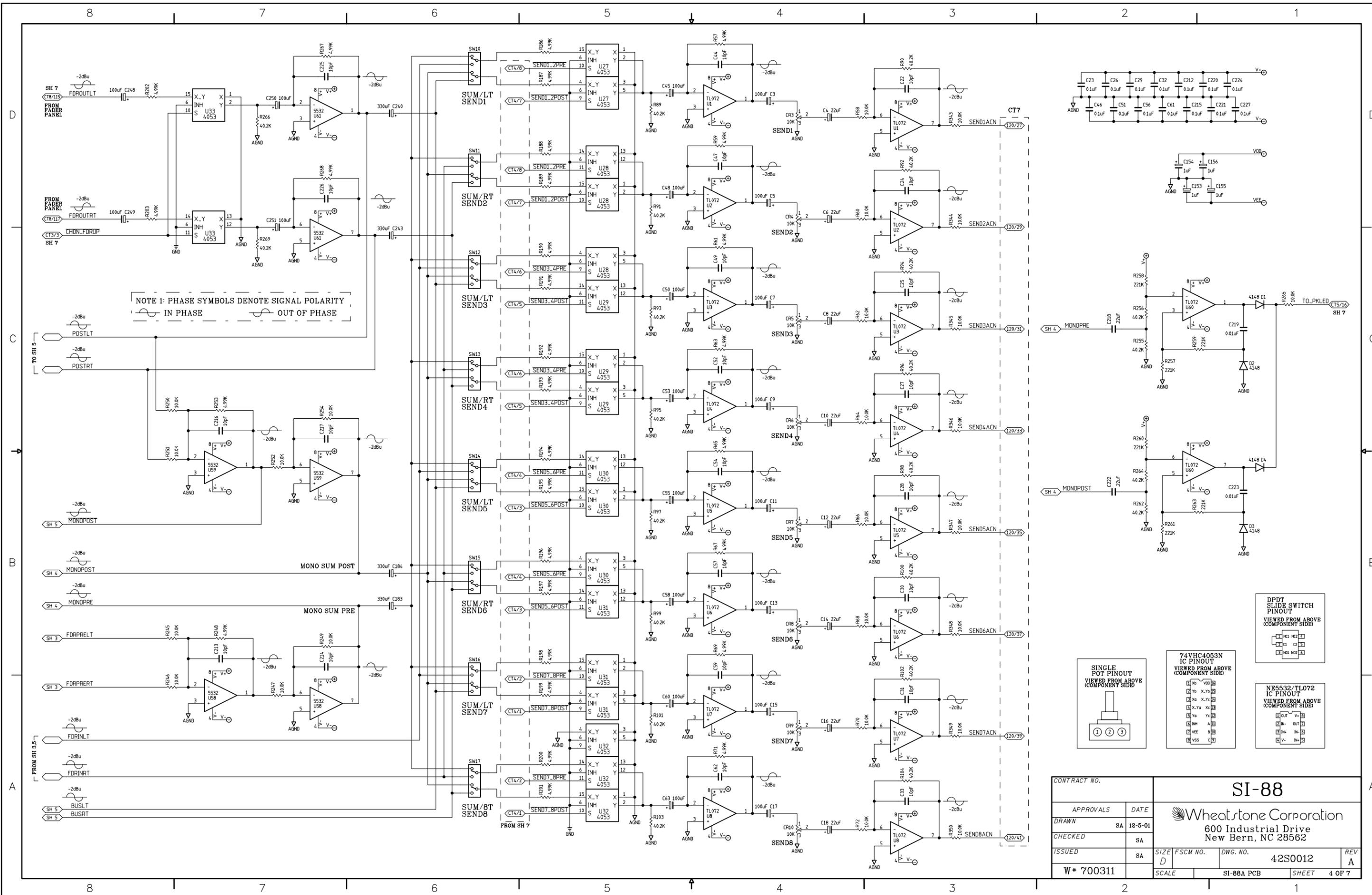
CONTRACT NO.		SI-88	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN SA	12-5-01	600 Industrial Drive	
CHECKED SA		New Bern, NC 28562	
ISSUED SA		SIZE D	FSCM NO. 42S0009
W* 700311		SCALE SI-88A PCB	SHEET 1 OF 7

SI-88 Stereo Line Input Module Schematic - Sheet 1 of 7



SI-88 Stereo Line Input Module Schematic - Sheet 2 of 7

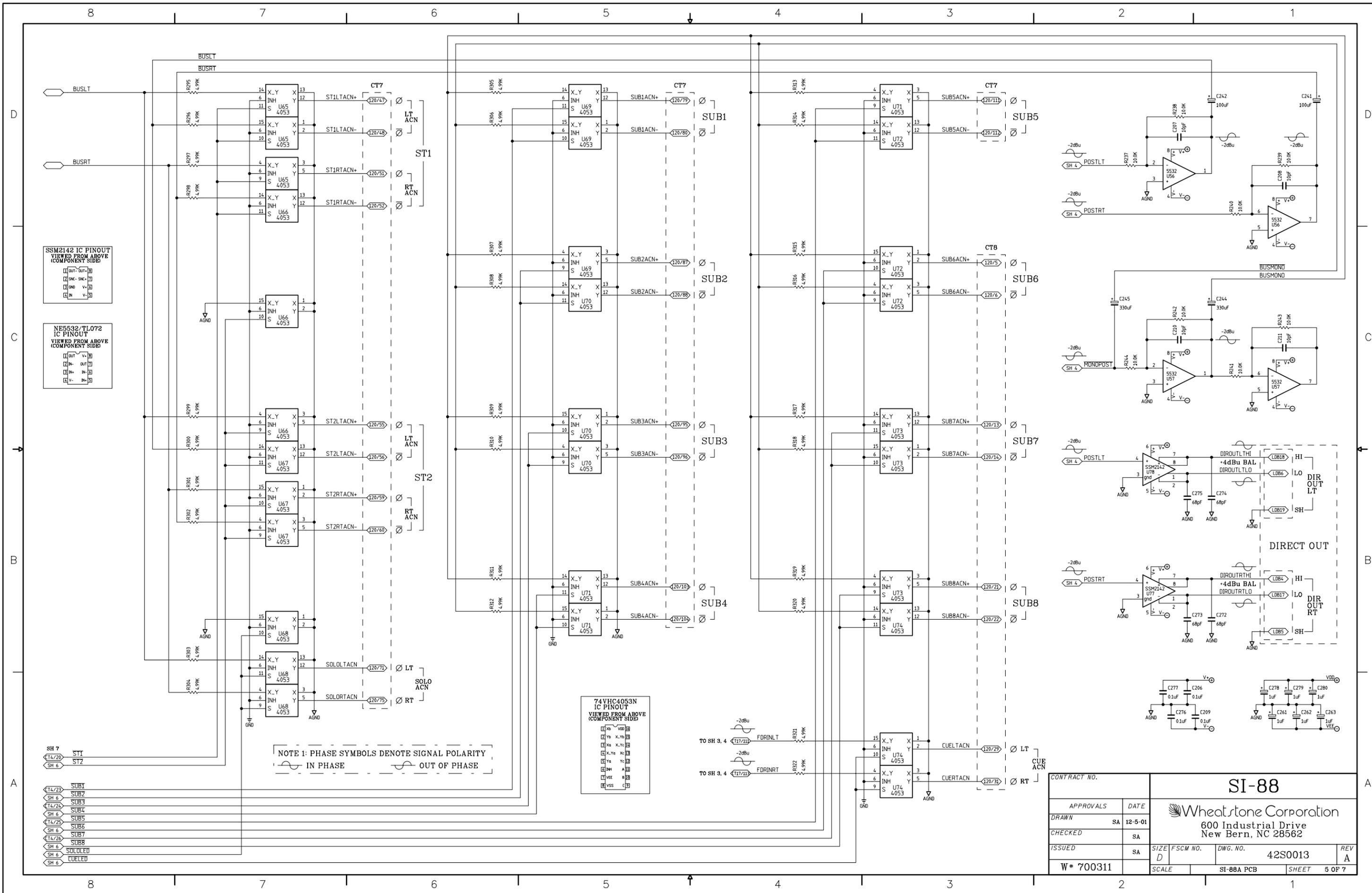




NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE OUT OF PHASE

CONTRACT NO.		SI-88			
APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 12-5-01			
CHECKED		SA		SIZE	FSCM NO.
ISSUED		SA		D	DWG. NO.
W* 700311		SCALE		SI-88A PCB	
				REV A	
				SHEET 4 OF 7	

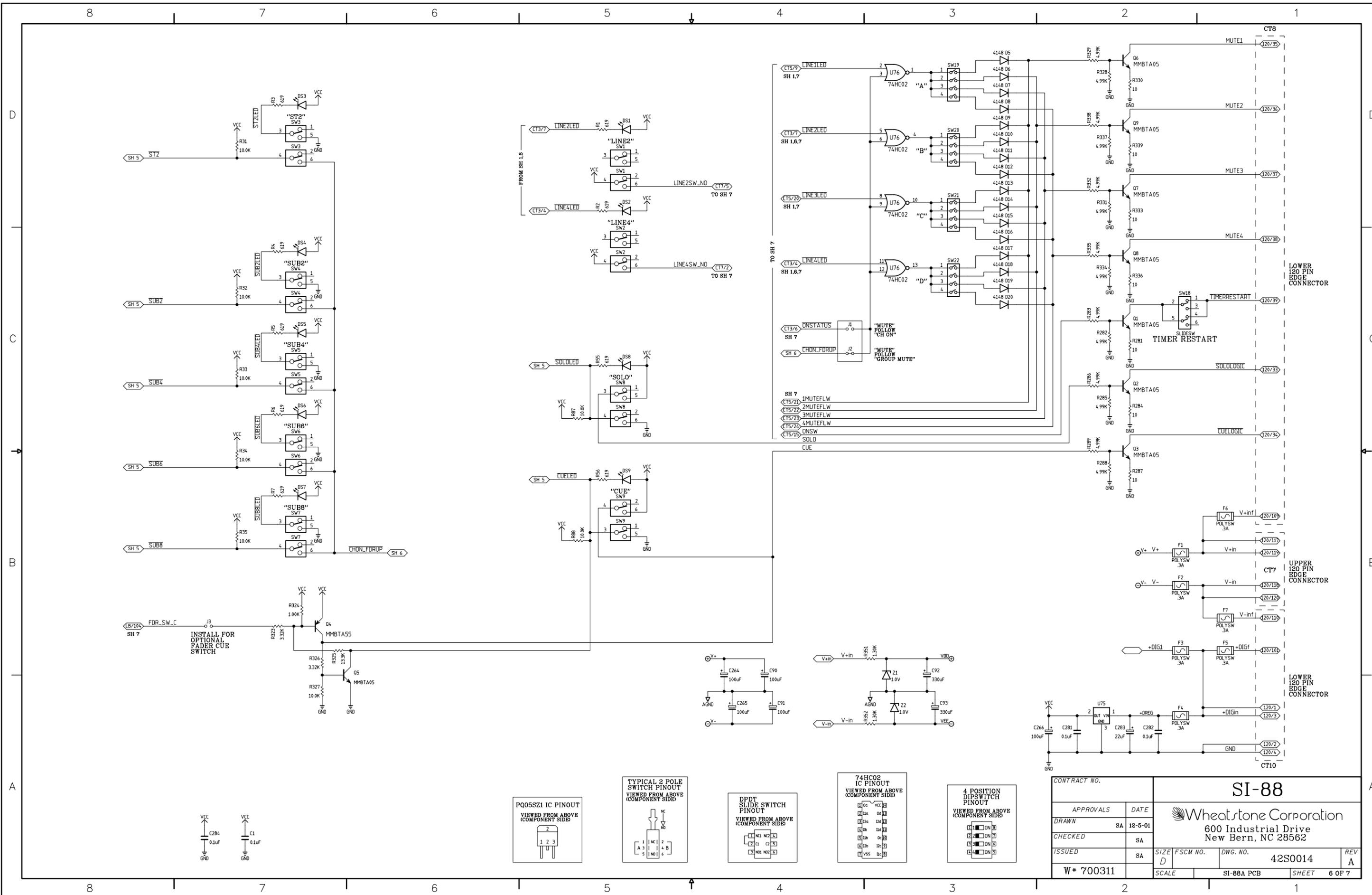
SI-88 Stereo Line Input Module Schematic - Sheet 4 of 7



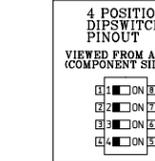
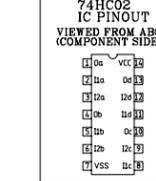
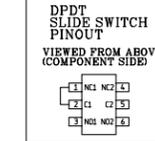
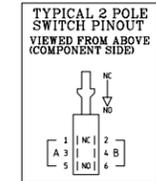
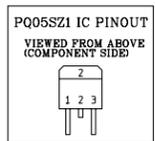
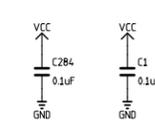
NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE OUT OF PHASE

CONTRACT NO.		SI-88	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN	SA 12-5-01	600 Industrial Drive	
CHECKED	SA	New Bern, NC 28562	
ISSUED	SA	SIZE D	FSCM NO. 42S0013
W* 700311	SCALE	SI-88A PCB	SHEET 5 OF 7

SI-88 Stereo Line Input Module Schematic - Sheet 5 of 7



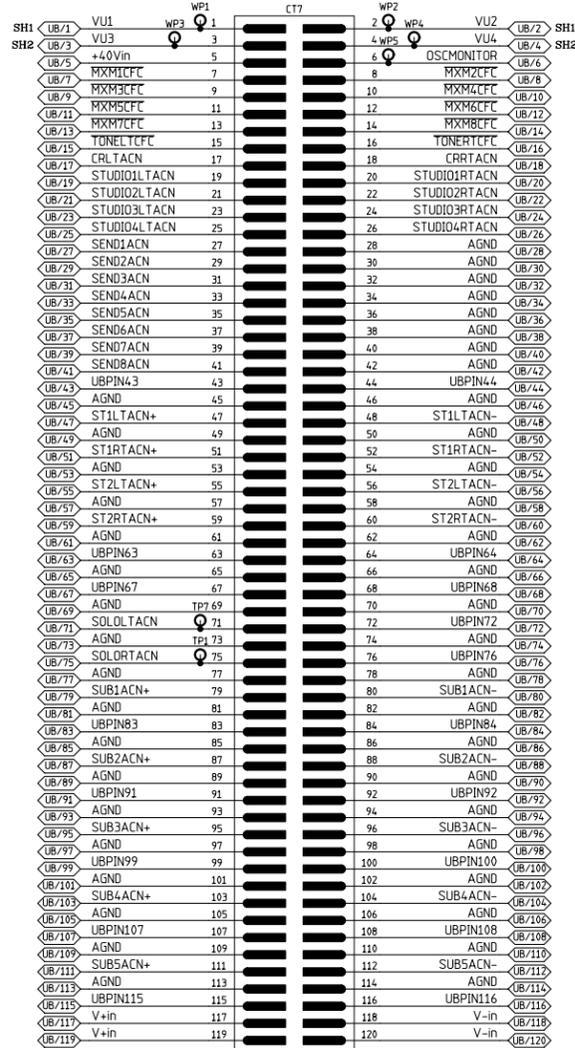
INSTALL FOR
OPTIONAL
FADER CUE
SWITCH



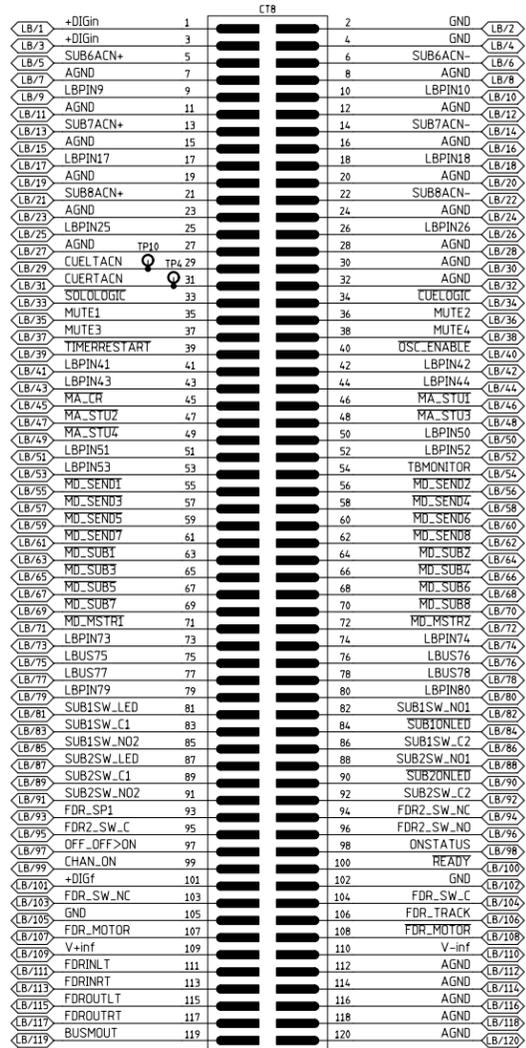
CONTRACT NO.		SI-88		Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
APPROVALS	DATE				
DRAWN	SA 12-5-01	SIZE	FSCM NO.	DWG. NO.	REV
CHECKED	SA	D		42S0014	A
ISSUED	SA	SCALE	SI-88A PCB	SHEET	6 OF 7
W* 700311					

SI-88 Stereo Line Input Module Schematic - Sheet 6 of 7

UPPER 120 PIN EDGE CONNECTOR

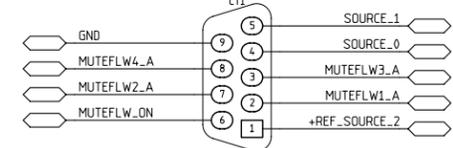


LOWER 120 PIN EDGE CONNECTOR

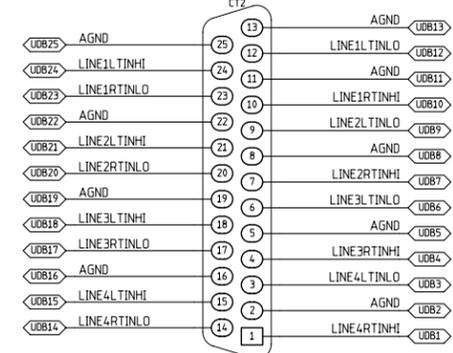


EDGE CONNECTORS BUSS CHART

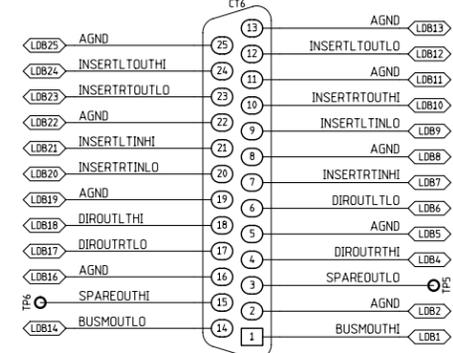
UPPER DB-9 CONNECTOR



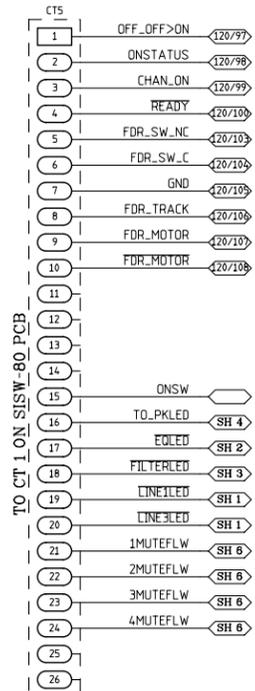
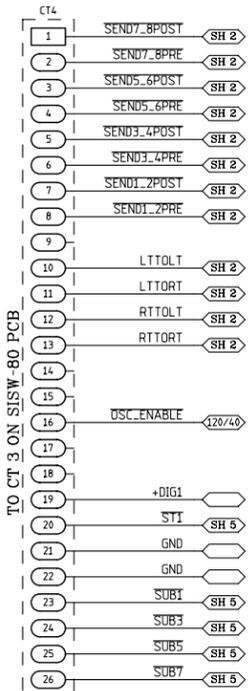
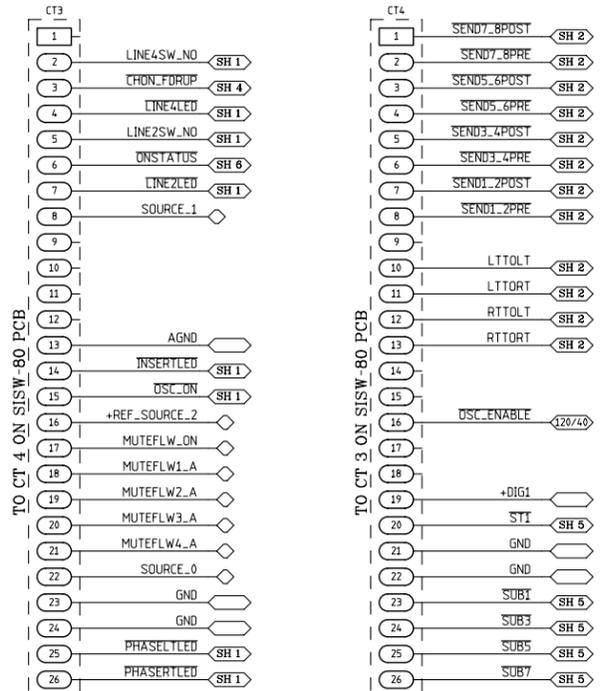
UPPER DB-25 CONNECTOR



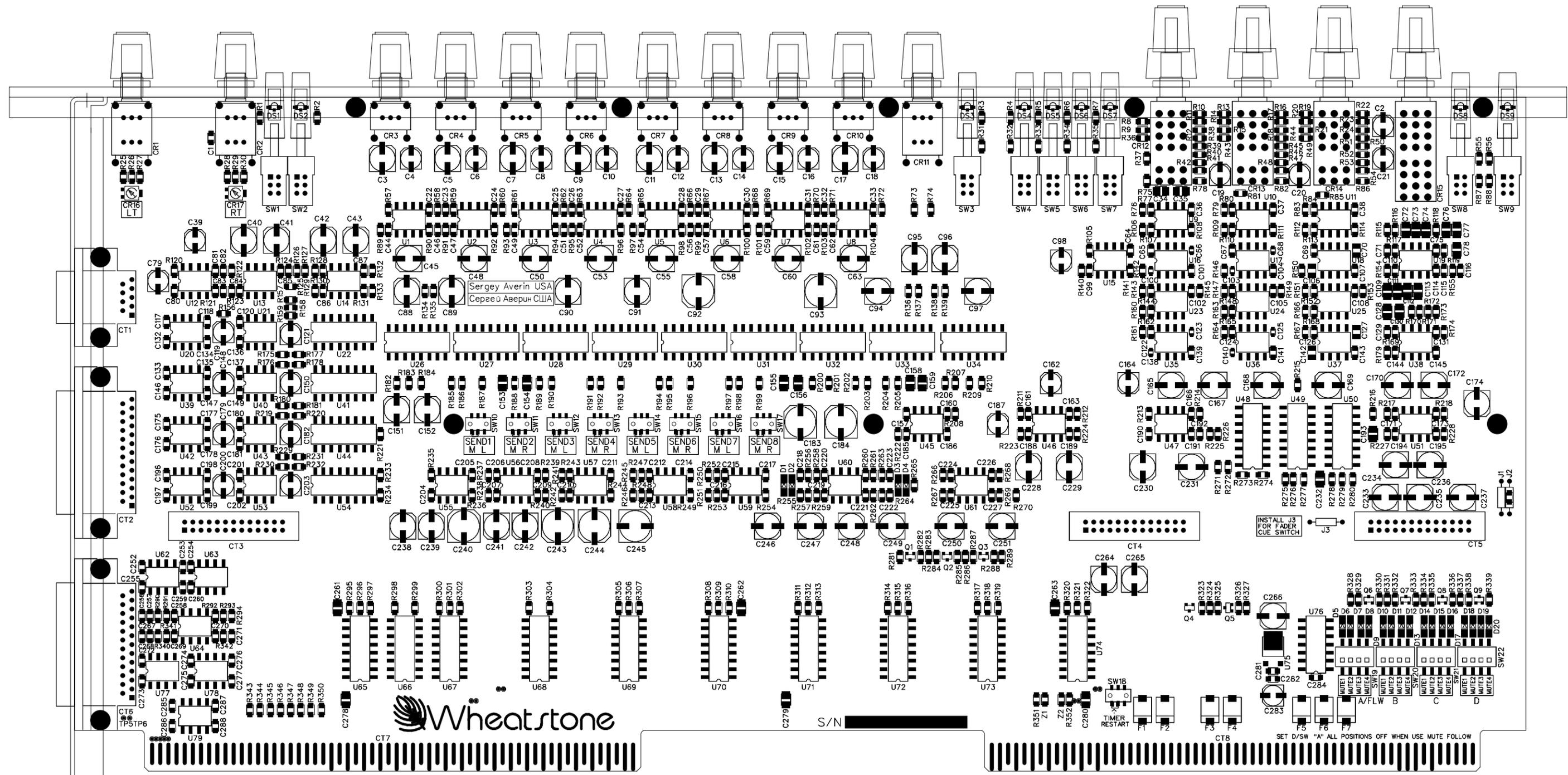
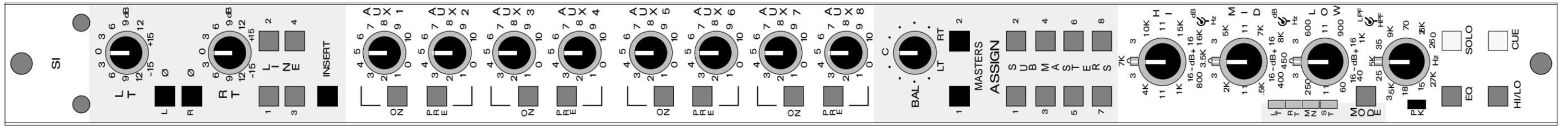
LOWER DB-25 CONNECTOR



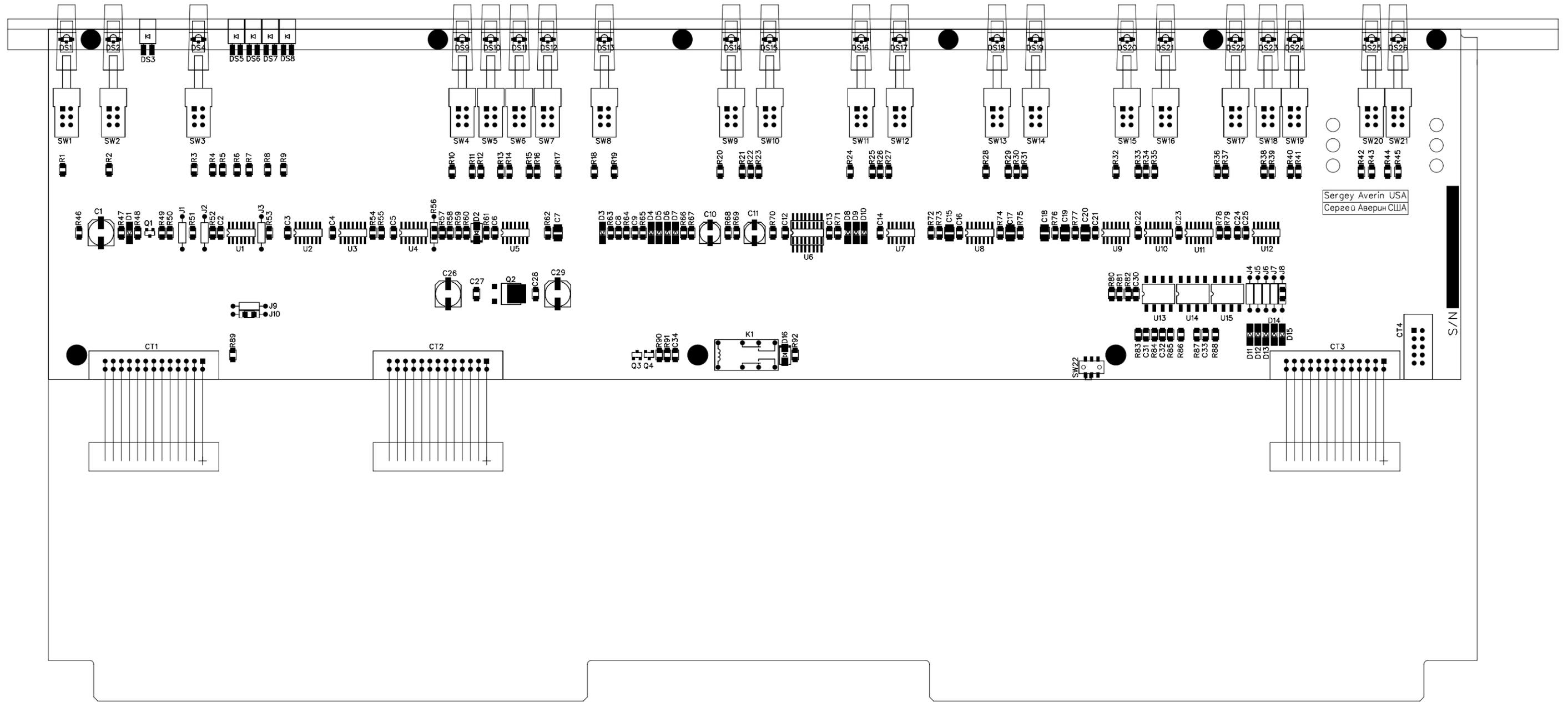
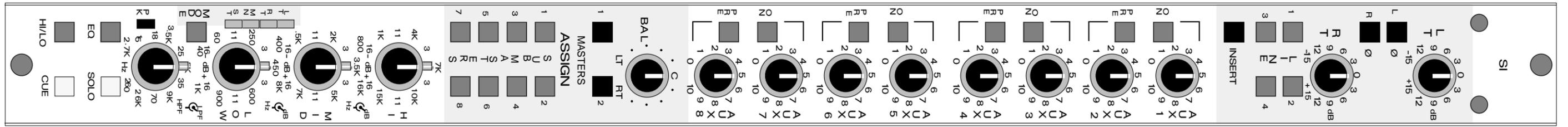
I/O CONNECTORS CHART



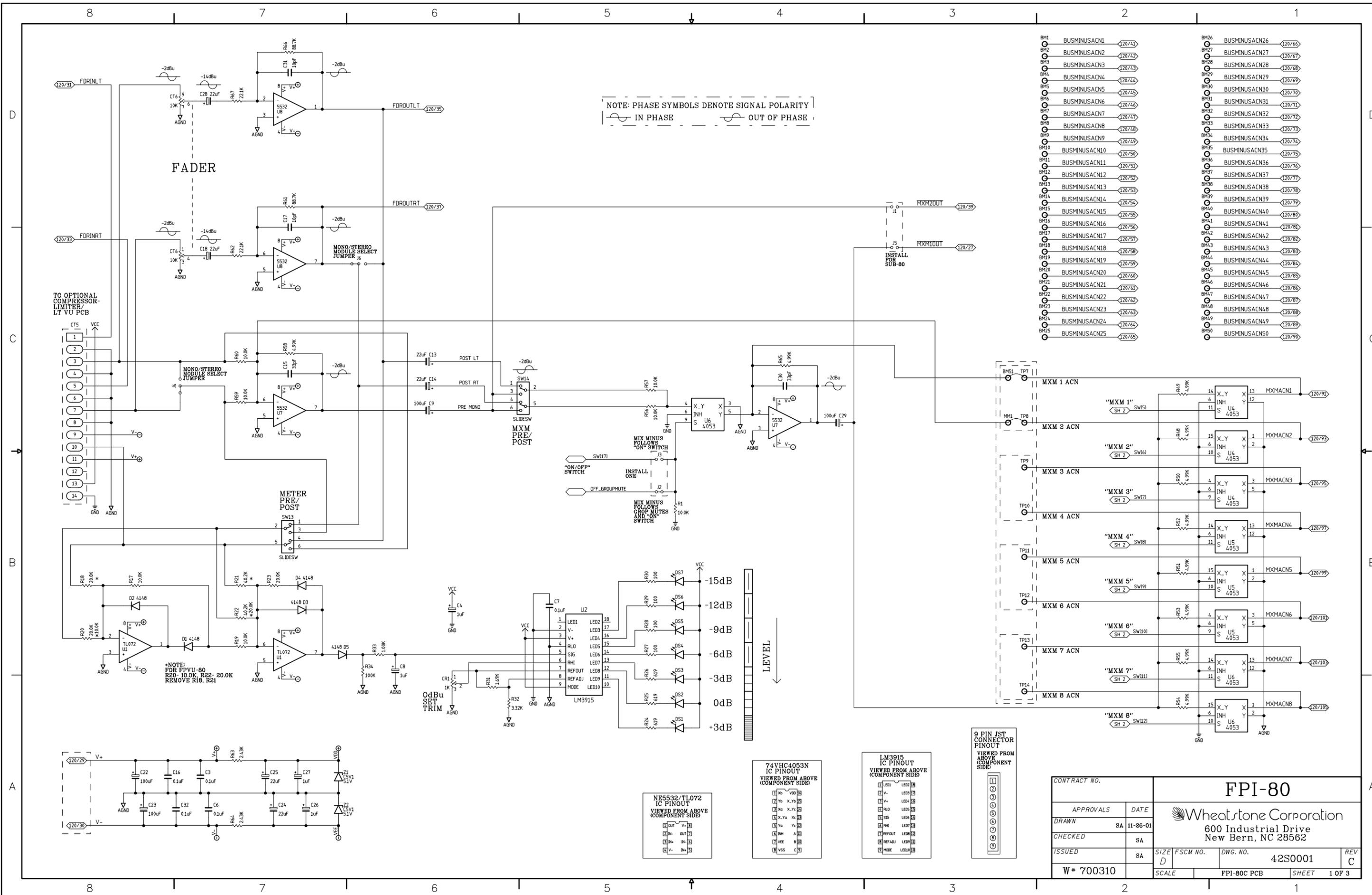
CONTRACT NO.		SI-88			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 12-5-01				
CHECKED	SA	SIZE	FSCM NO.	DWG. NO.	REV
ISSUED	SA	D		42S0015	A
W# 700311	SCALE	SI-88A PCB		SHEET	7 OF 7



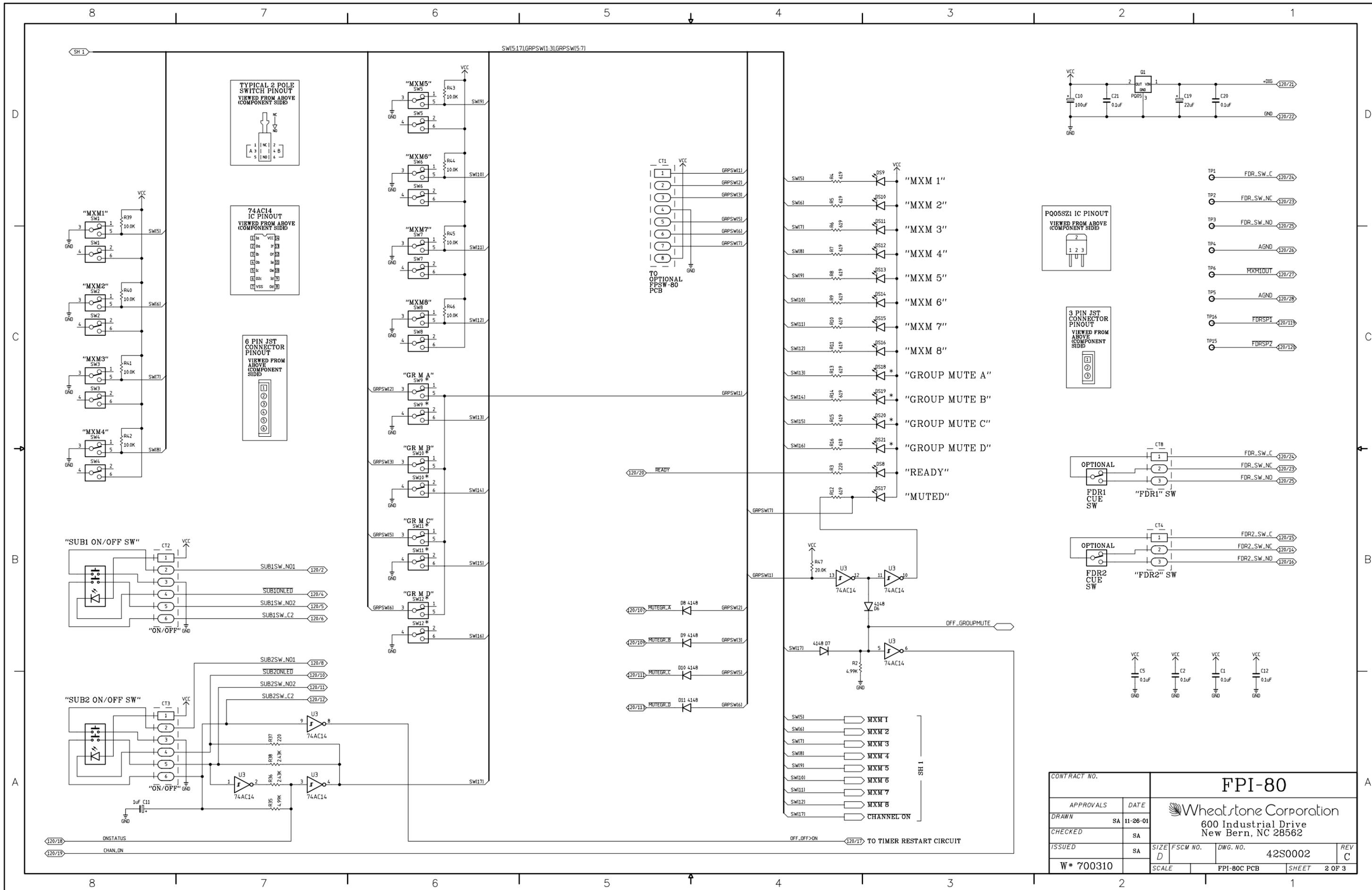
SI-88 Stereo Line Input Module Load Sheet



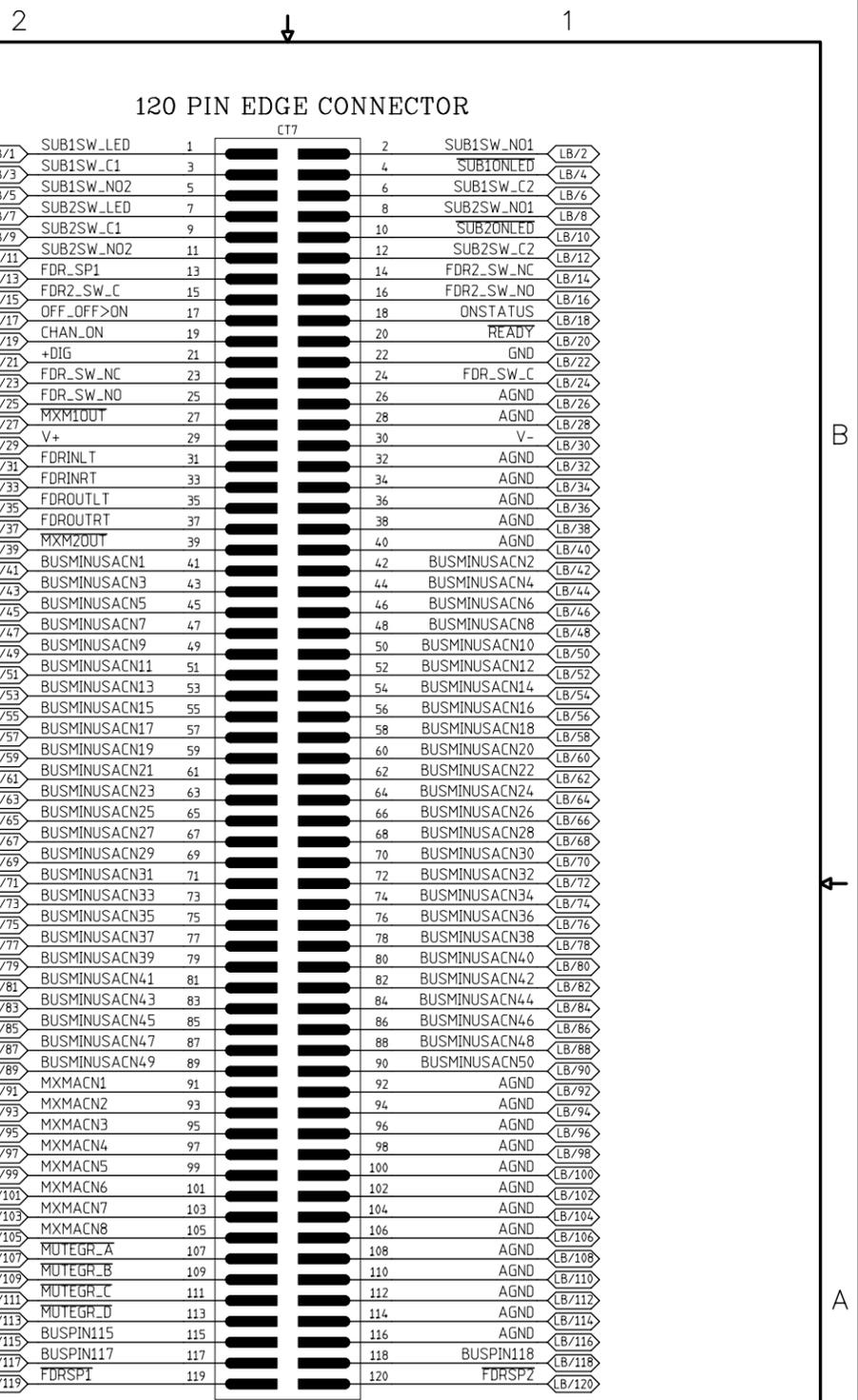
SISW-80 (SI-88) Stereo Line Input Module Switch Card Load Sheet



FPI-80 Fader Panel Input Module Schematic - Sheet 1 of 3



FPI-80 Fader Panel Input Module Schematic - Sheet 2 of 3



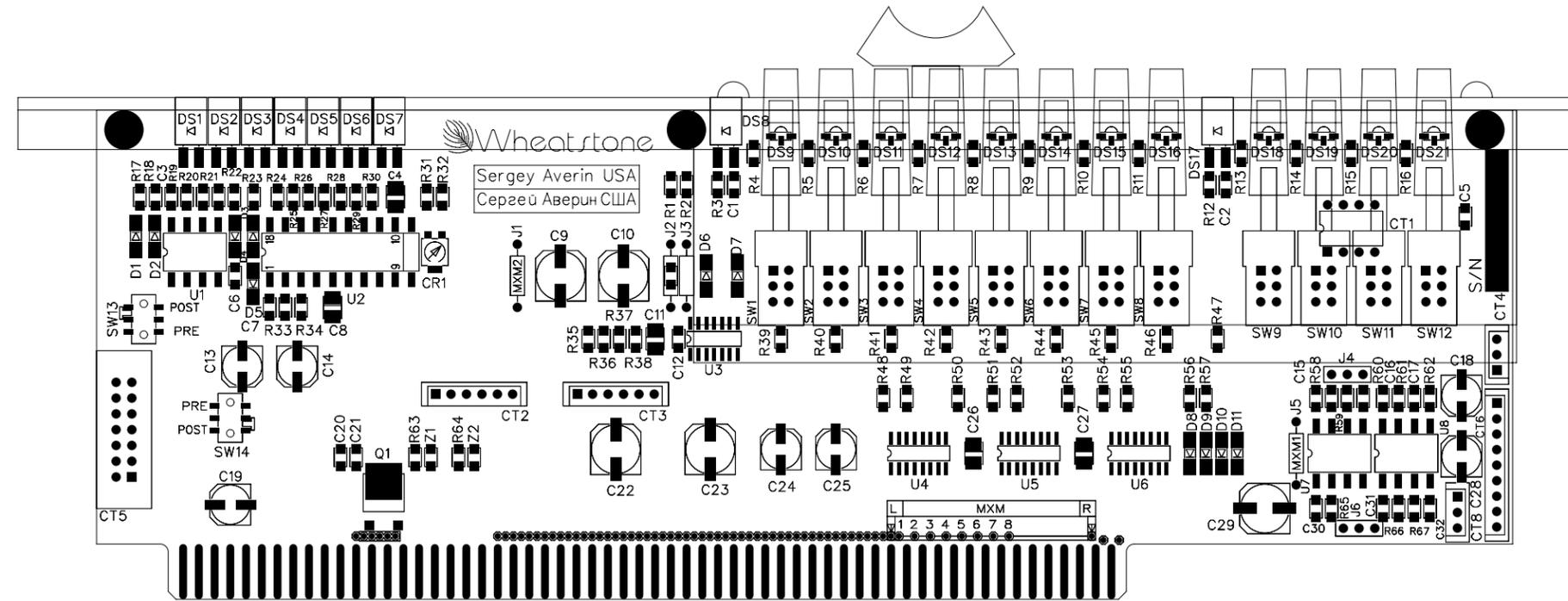
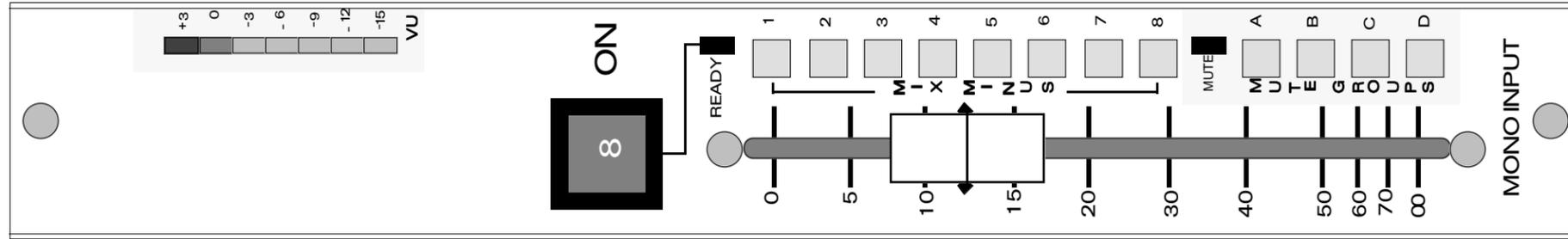
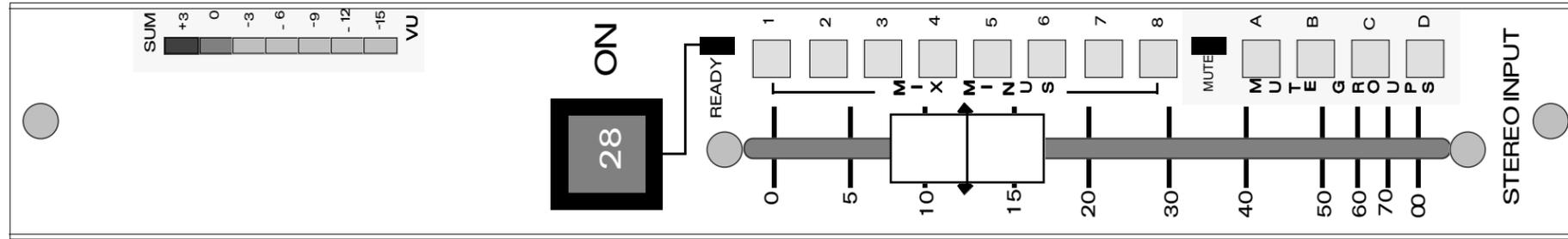
AGND

AGND

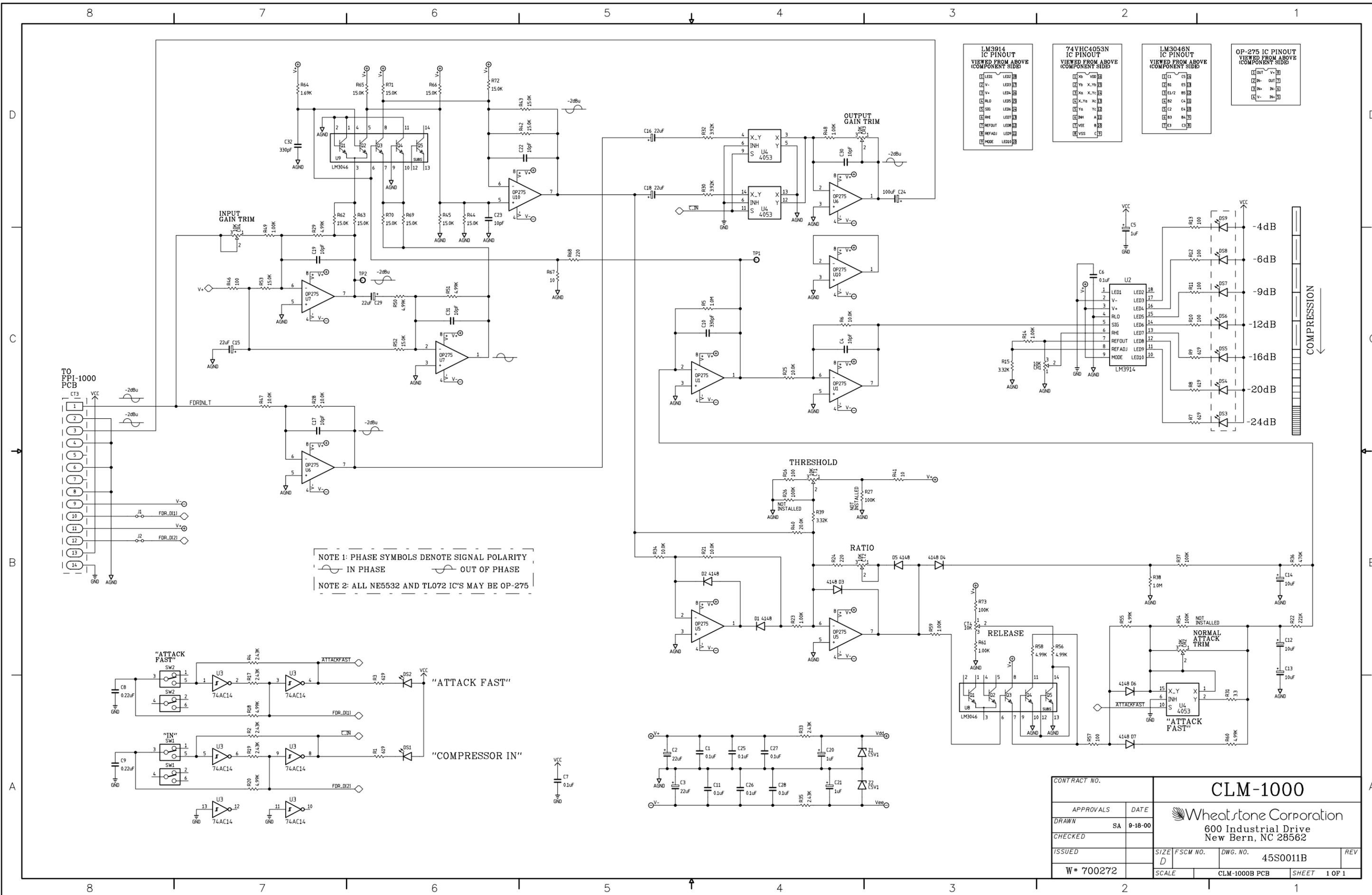
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CONTRACT NO.		FPI-80			
APPROVALS	DATE	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-26-01				
CHECKED	SA	SIZE B	FSCM NO.	DWG. NO. 42S0003	REV -
ISSUED	SA	SCALE		FPI-80 PCB	SHEET 3 OF 3
W* 700310					

FPI-80 Fader Panel Input Module
Schematic - Sheet 3 of 3

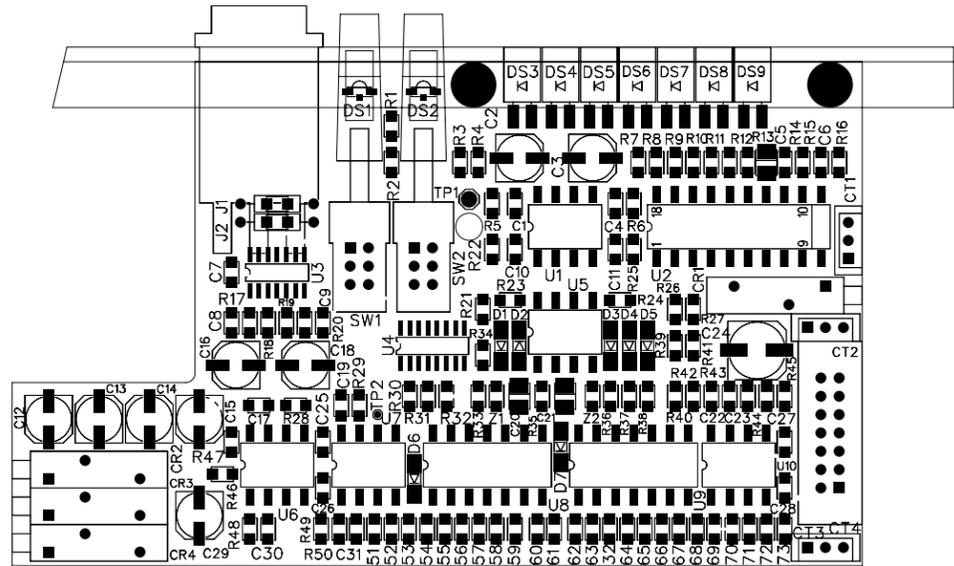
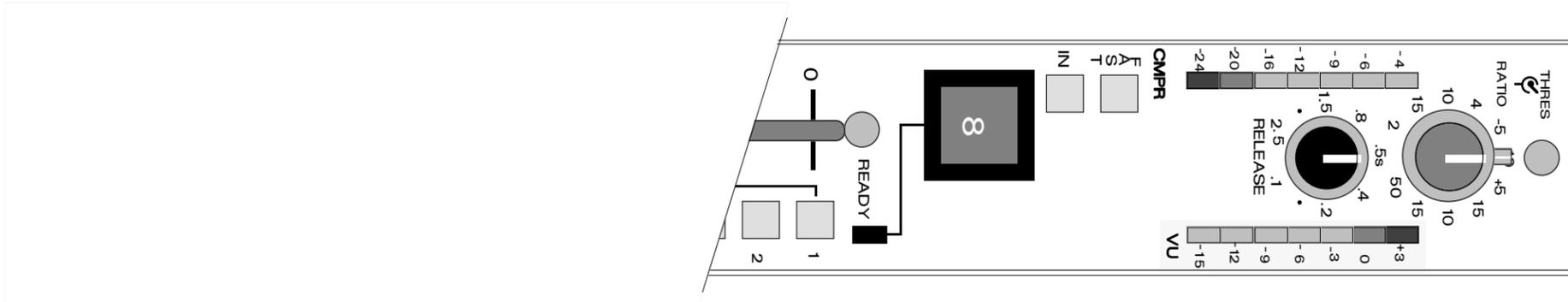


FPI-80 Fader Panel Input Module Main Card Load Sheet

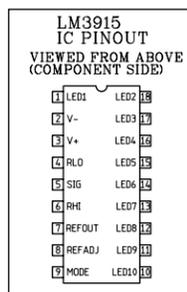
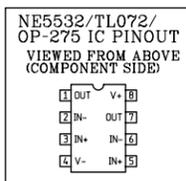
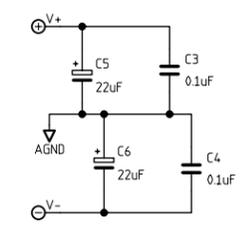
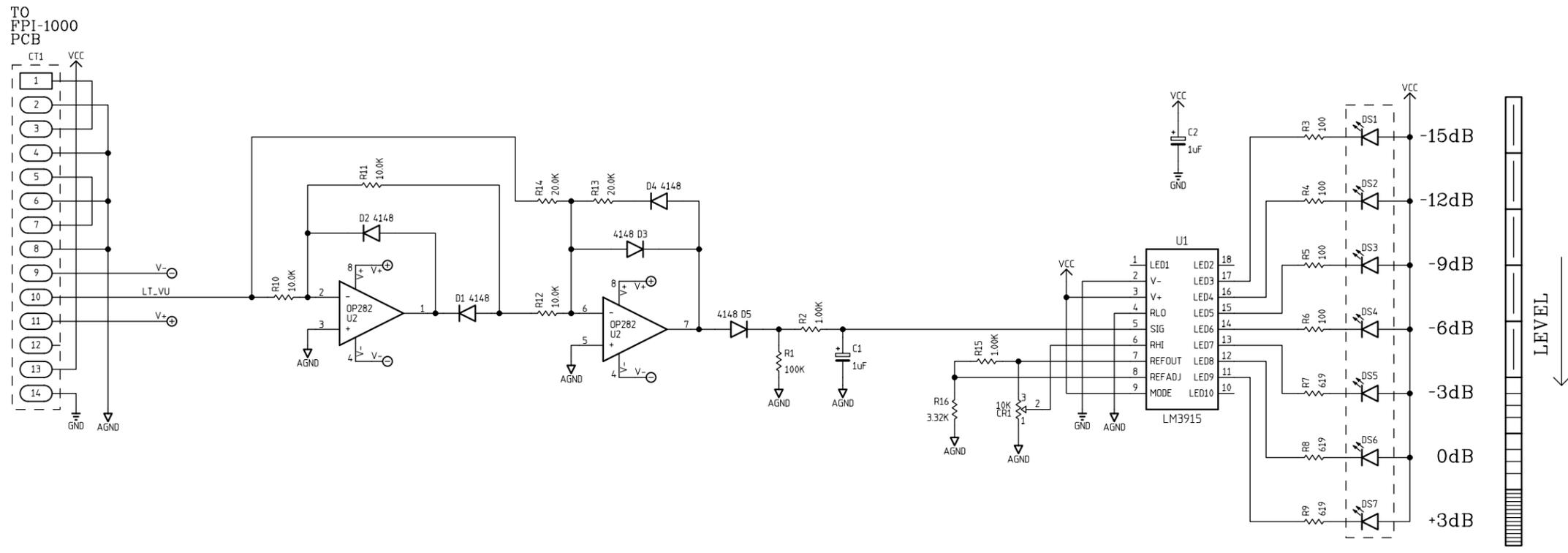


CLM-1000 Fader Panel Mono Compressor-Limiter Schematic - Sheet 1 of 1

CONTRACT NO.		CLM-1000	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN	SA 9-18-00	600 Industrial Drive	
CHECKED		New Bern, NC 28562	
ISSUED		SIZE	FSCM NO. DWG. NO. 45S0011B REV
W# 700272		D	
		SCALE	CLM-1000B PCB SHEET 1 OF 1

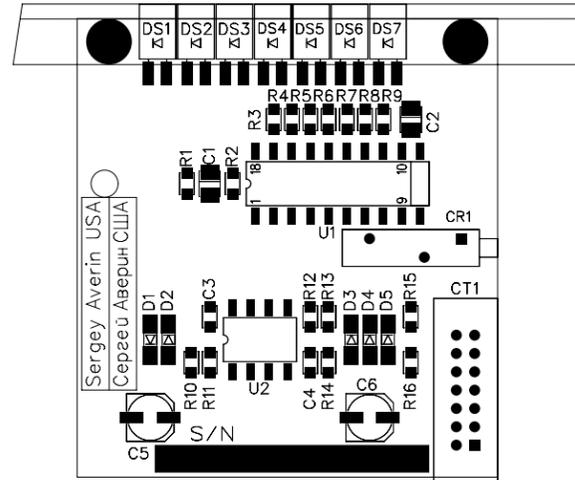
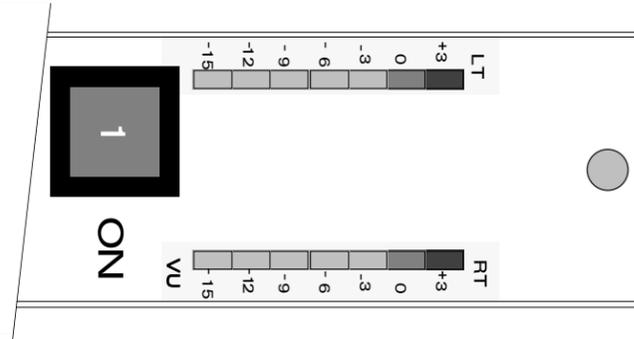


REF: **OPTIONAL** fader panel w/Compressor-Limiter

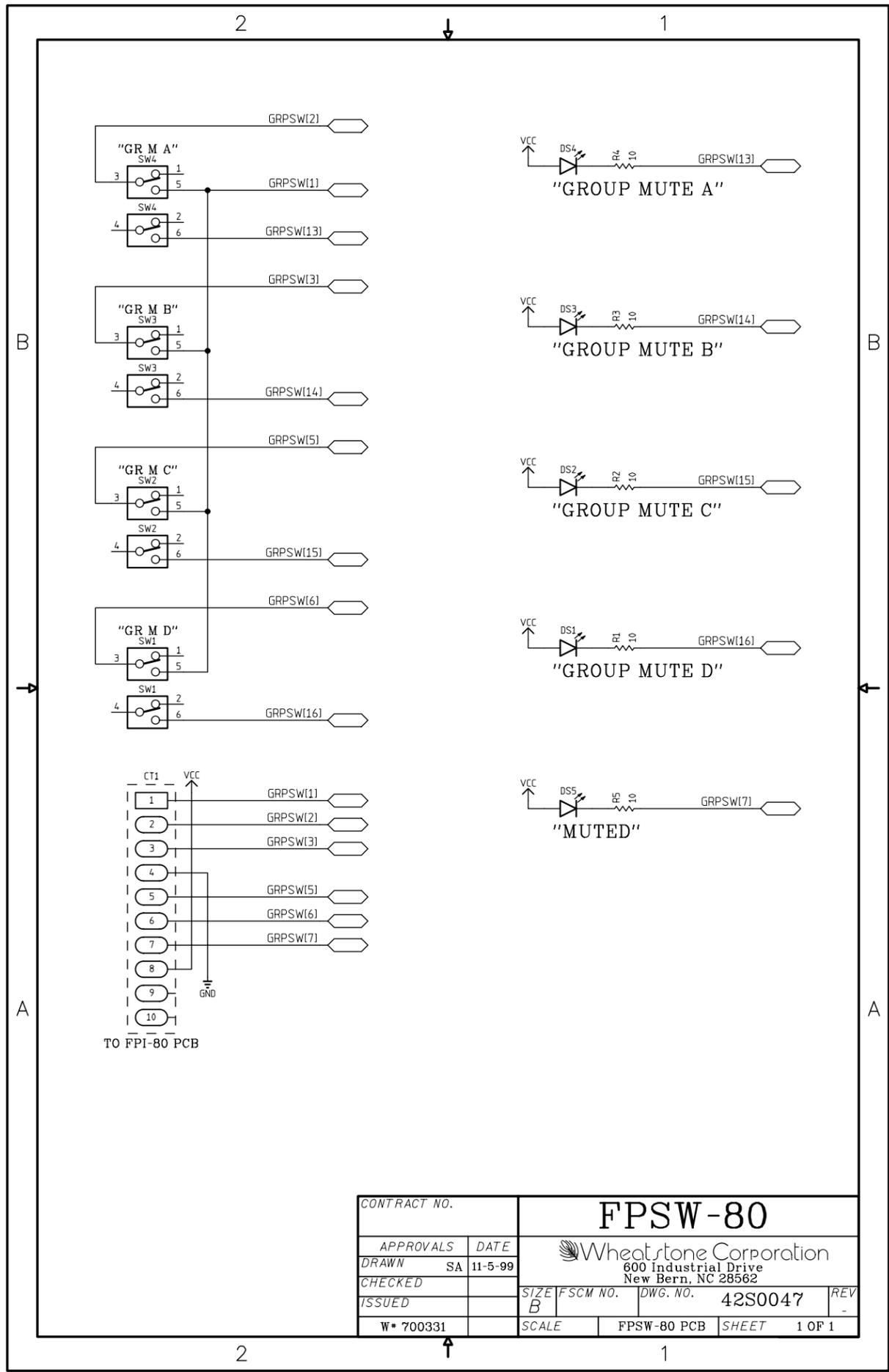


CONTRACT NO.		FPVU-1000			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-24-99				
CHECKED		SIZE C	FSCM NO.	DWG. NO. 45S0103	REV
ISSUED		SCALE	FPVU-1000 PCB	SHEET 1 OF 1	
W* 700305					

FPVU-1000 Fader Panel Left VU Schematic - Sheet 1 of 1

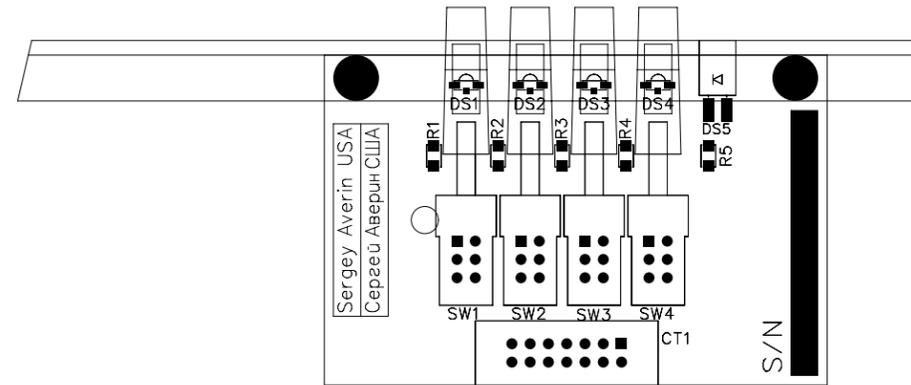
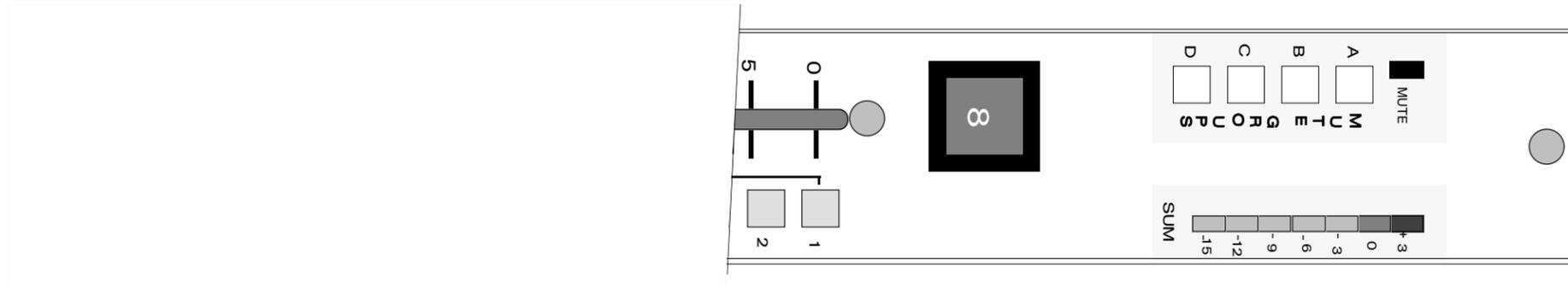


REF: **OPTIONAL** fader panel w/both
LEFT and RIGHT LED VU ladders

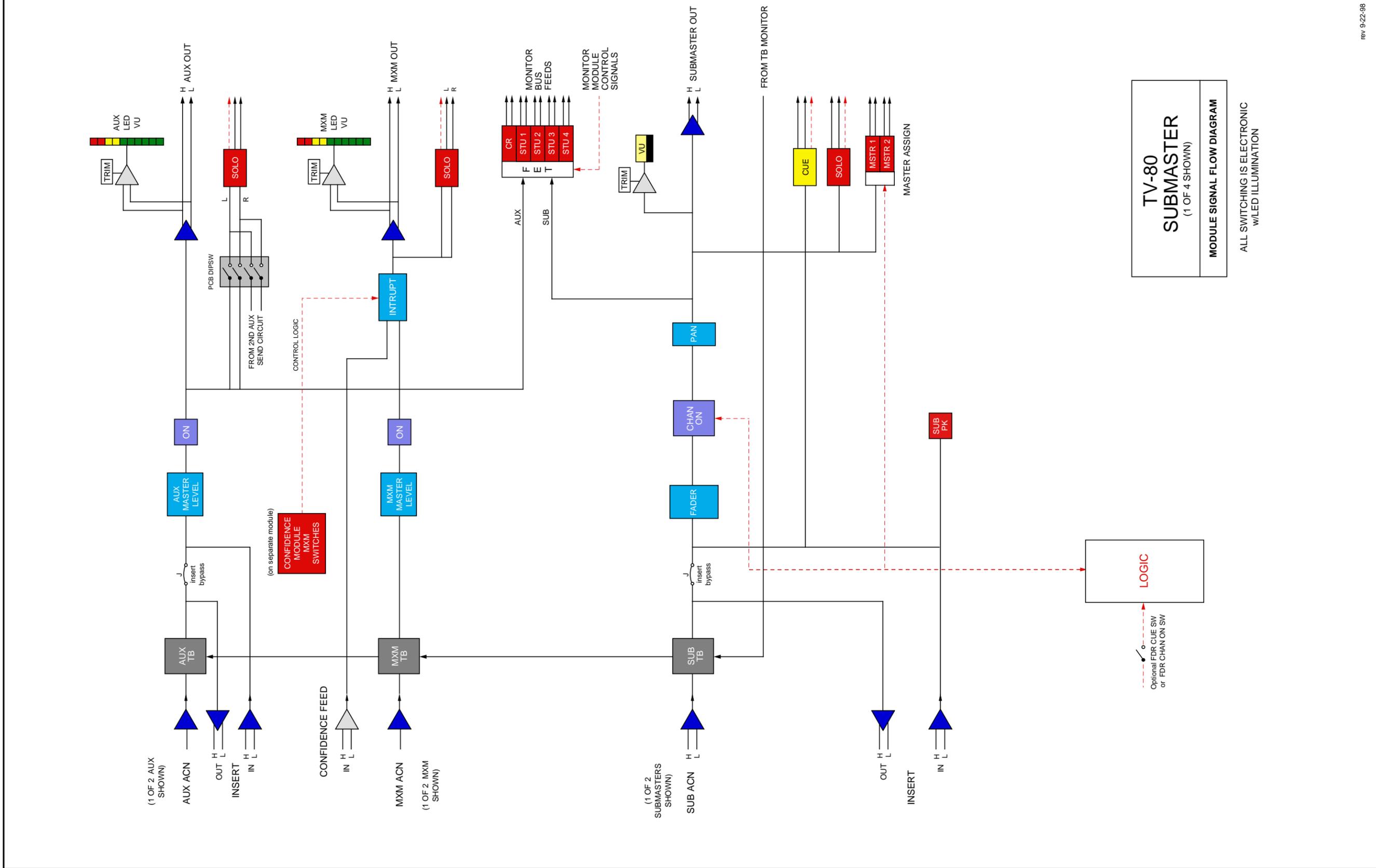


CONTRACT NO.		FPSW-80			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-5-99				
CHECKED		SIZE B	FSCM NO.	DWG. NO. 42S0047	REV -
ISSUED		SCALE	FPSW-80 PCB	SHEET	1 OF 1
W* 700331					

Fader Panel Switch Card Schematic - Sheet 1 of 1



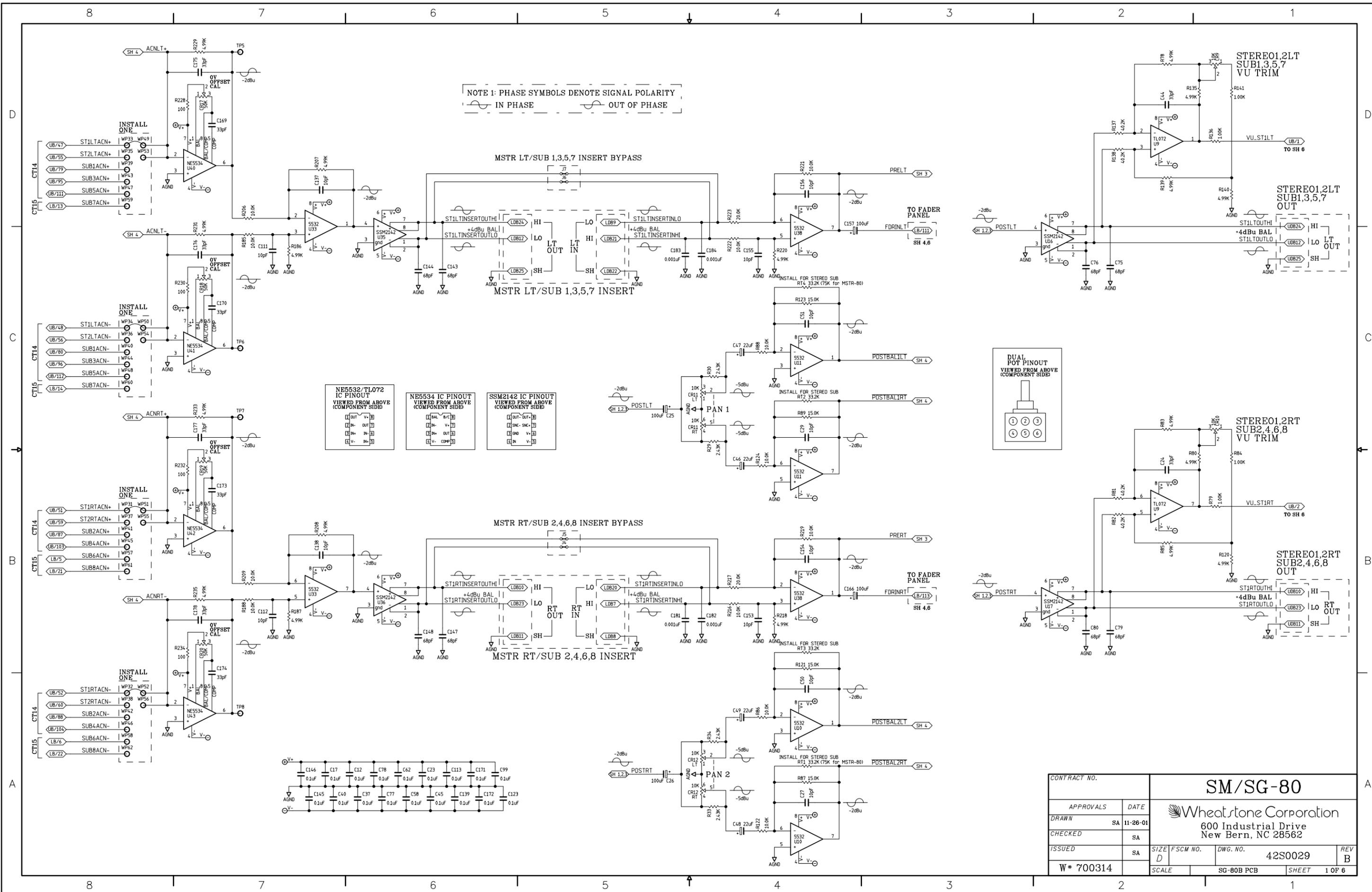
REF: **OPTIONAL** fader panel w/MUTE GROUP switches
at top upper left of panel instead of bottom lower right



**TV-80
SUBMASTER**
(1 OF 4 SHOWN)

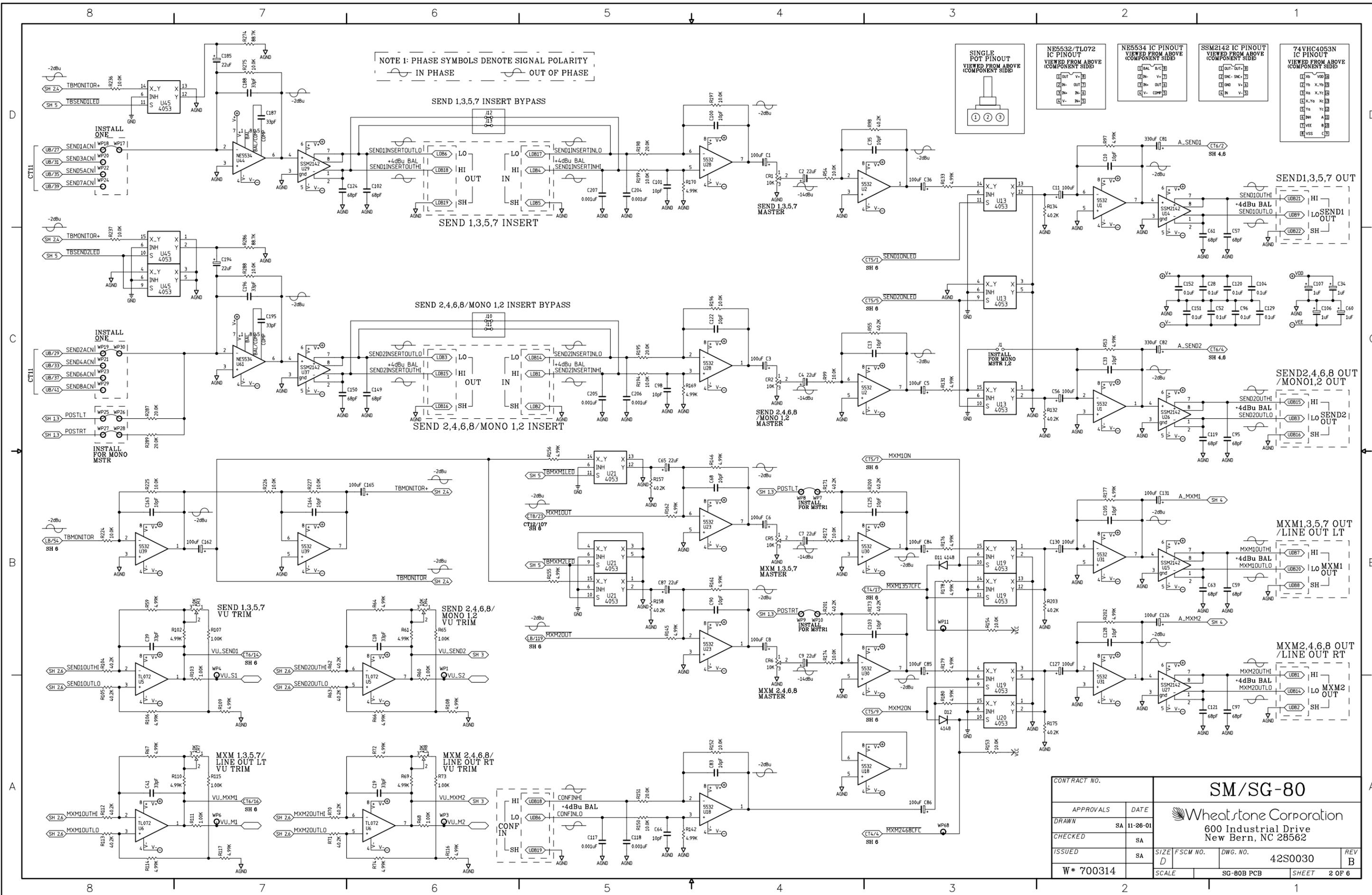
MODULE SIGNAL FLOW DIAGRAM

ALL SWITCHING IS ELECTRONIC
W/LED ILLUMINATION

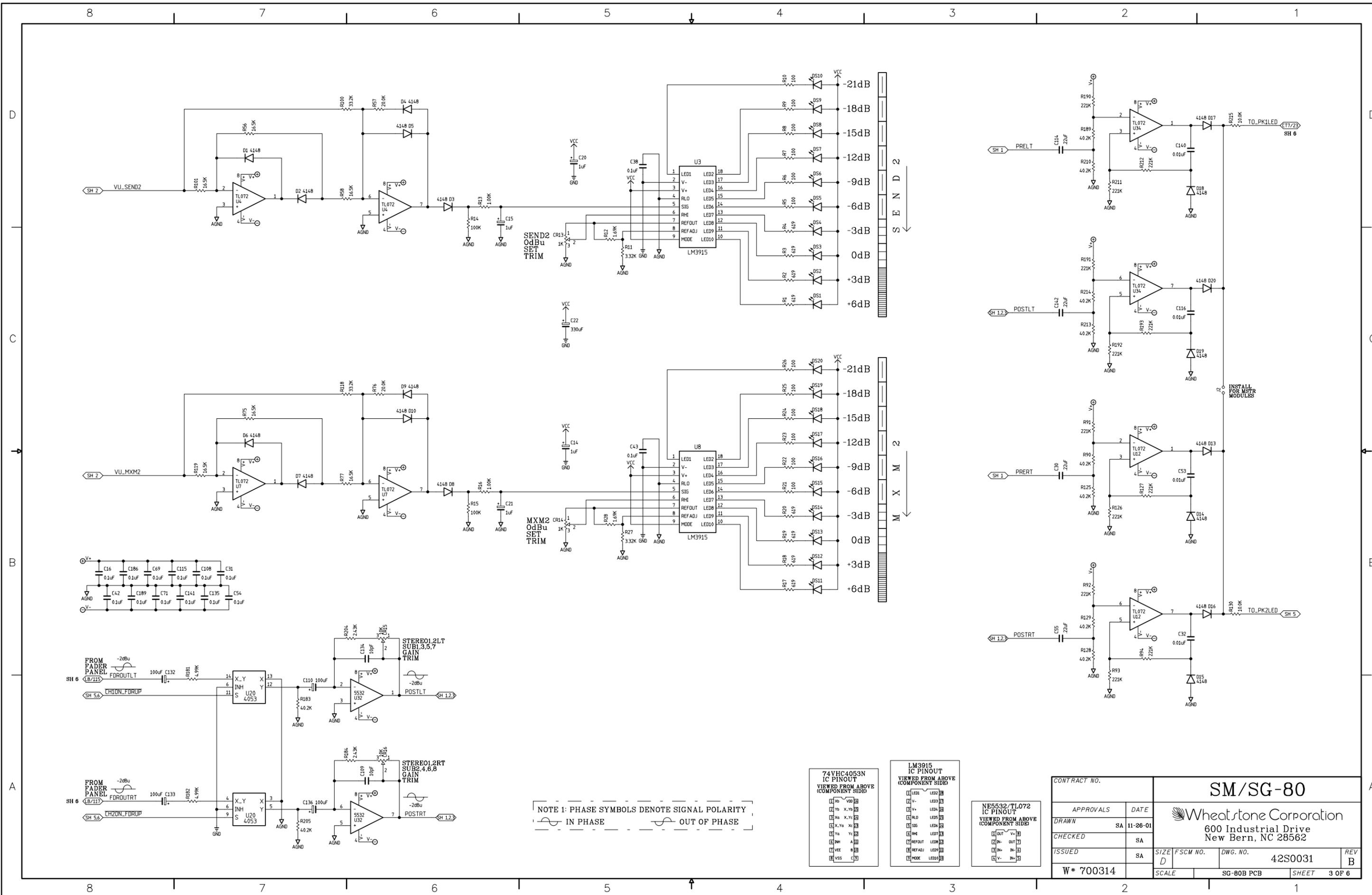


CONTRACT NO.		SM/SG-80			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 11-26-01				
CHECKED	SA				
ISSUED	SA				
W# 700314	SCALE	SIZE D	FSCM NO.	DWG. NO. 42S0029	REV B
		SG-80B PCB		SHEET 1 OF 6	

SUB/SM-80 Mono Group/ Stereo Master Output Module Schematic - Sheet 1 of 9



SUB/SM-80 Mono Group/ Stereo Master Output Module Schematic - Sheet 2 of 9



NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY

 IN PHASE OUT OF PHASE

74VHC4053N IC PINOUT
 VIEWED FROM ABOVE
 (COMPONENT SIDE)

1	VDD
2	VDD
3	VDD
4	VDD
5	VDD
6	VDD
7	VDD
8	VDD
9	VDD
10	VDD
11	VDD
12	VDD
13	VDD
14	VDD
15	VDD
16	VDD
17	VDD
18	VDD
19	VDD
20	VDD
21	VDD
22	VDD
23	VDD
24	VDD
25	VDD
26	VDD
27	VDD
28	VDD
29	VDD
30	VDD
31	VDD
32	VDD
33	VDD
34	VDD
35	VDD
36	VDD
37	VDD
38	VDD
39	VDD
40	VDD
41	VDD
42	VDD
43	VDD
44	VDD
45	VDD
46	VDD
47	VDD
48	VDD
49	VDD
50	VDD

LM3915 IC PINOUT
 VIEWED FROM ABOVE
 (COMPONENT SIDE)

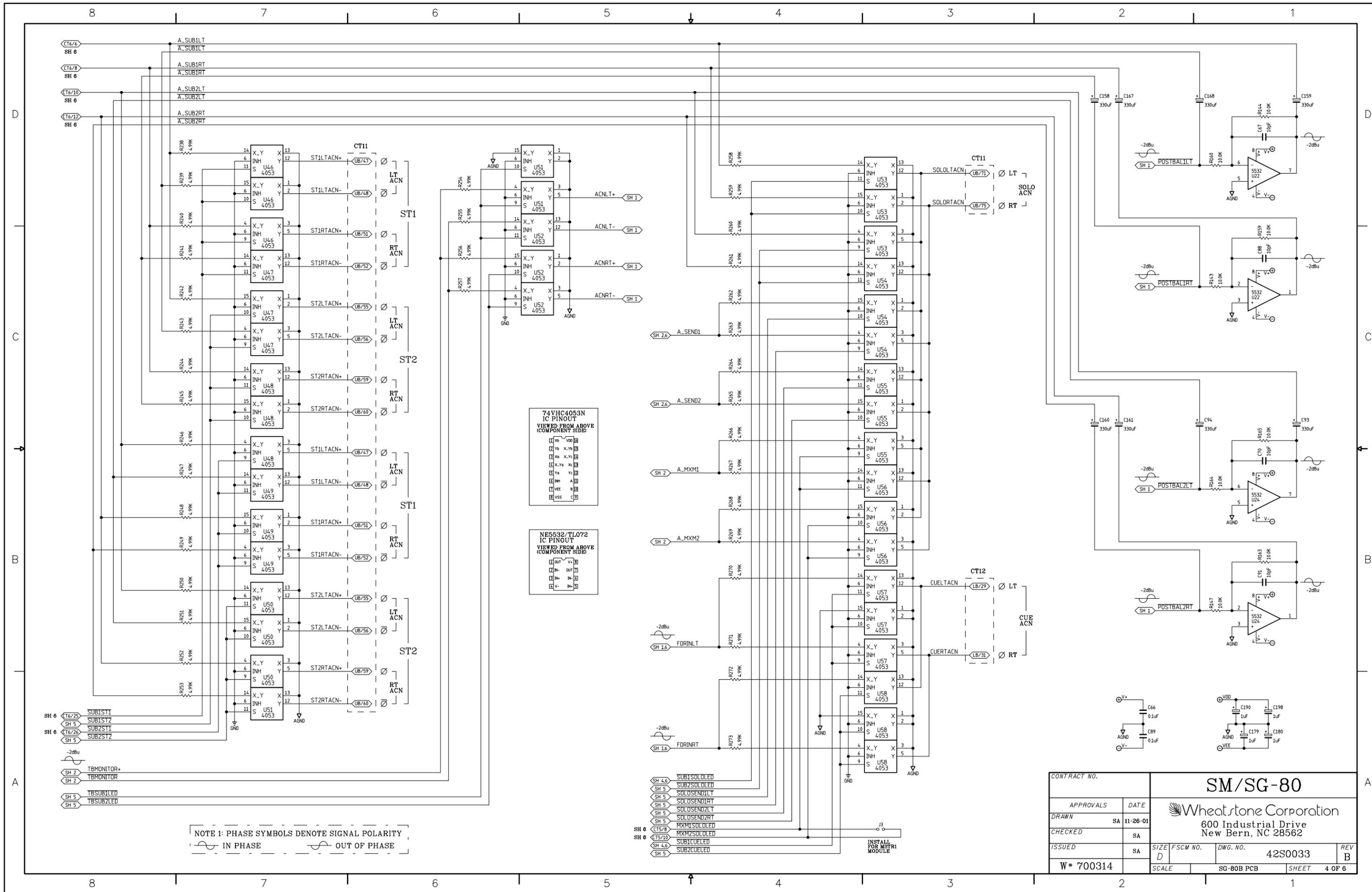
1	LED1
2	V-
3	V+
4	RLO
5	SIG
6	RHI
7	REFOUT
8	REFADJ
9	MODE
10	LED10
11	LED9
12	LED8
13	LED7
14	LED6
15	LED5
16	LED4
17	LED3
18	LED2
19	LED1

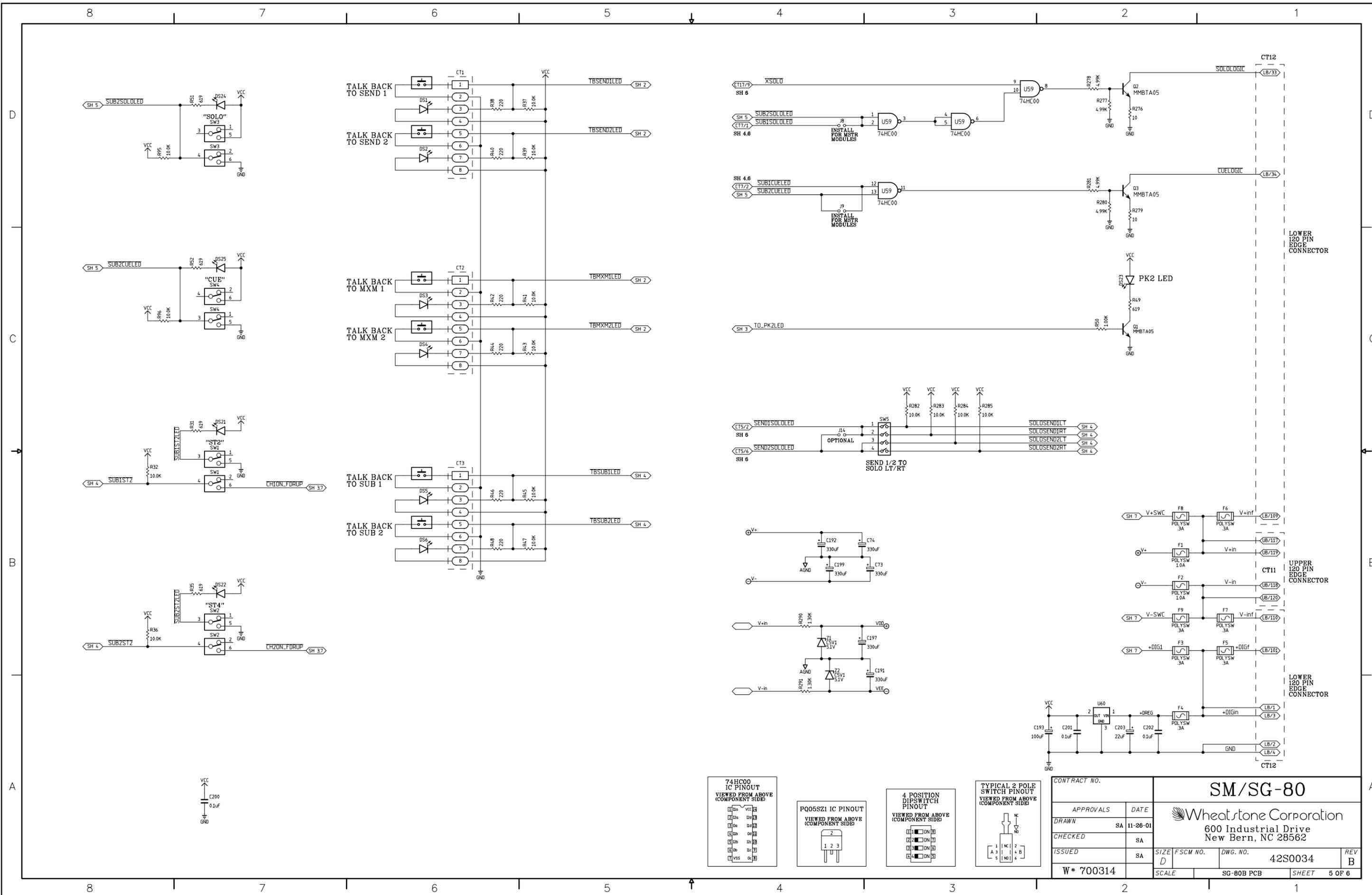
NE5532/TL072 IC PINOUT
 VIEWED FROM ABOVE
 (COMPONENT SIDE)

1	OUT
2	V+
3	IN+
4	IN-
5	V-

CONTRACT NO.		SM/SG-80	
APPROVALS		DATE	
DRAWN	SA	11-26-01	
CHECKED	SA		
ISSUED	SA	SIZE	FSCM NO.
W# 700314		D	
		SCALE	SG-80B PCB
		DWG. NO.	42S0031
		REV	B
		SHEET	3 OF 6

SUB/SM-80 Mono Group/ Stereo Master Output Module Schematic - Sheet 3 of 9



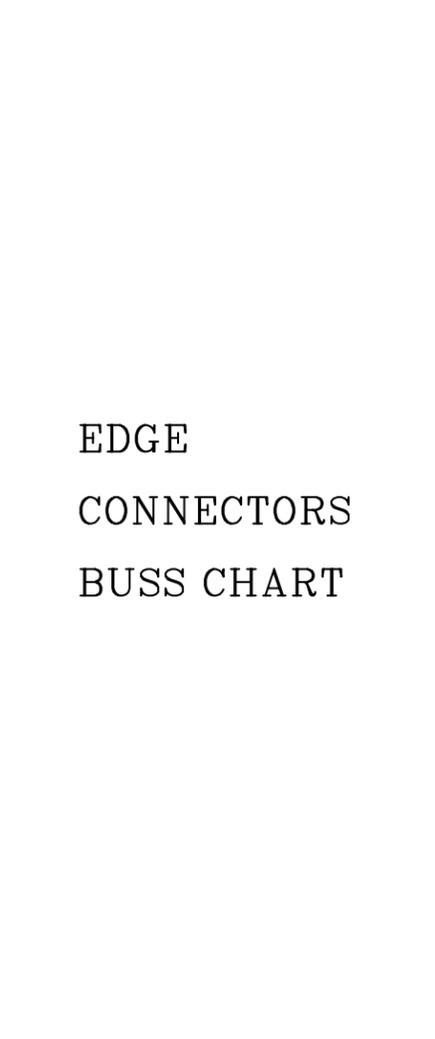
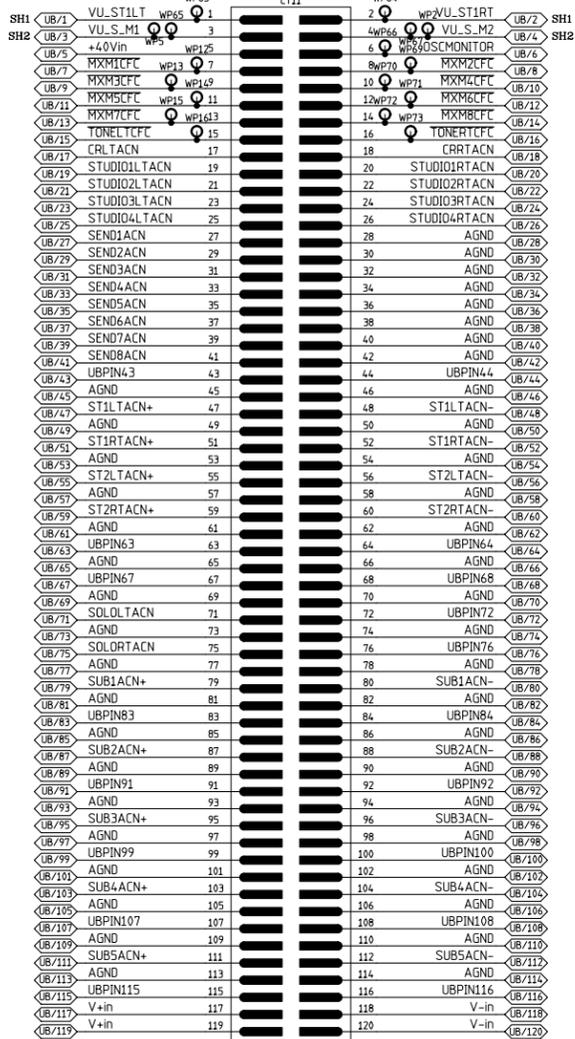


SUB/SM-80 Mono Group/ Stereo Master Output Module Schematic - Sheet 5 of 9

CONTRACT NO.		SM/SG-80	
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN	SA 11-26-01	SIZE	FSCM NO.
CHECKED	SA	DWG. NO.	42S0034
ISSUED	SA	SCALE	SG-80B PCB
W# 700314		REV	B
		SHEET	5 OF 6

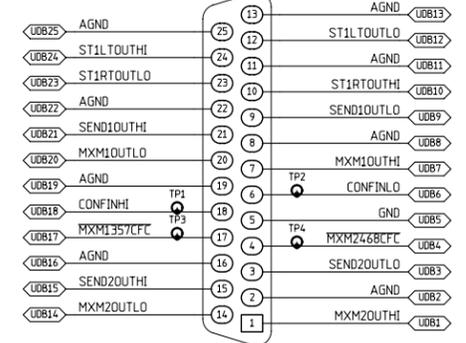
UPPER 120 PIN EDGE CONNECTOR

LOWER 120 PIN EDGE CONNECTOR

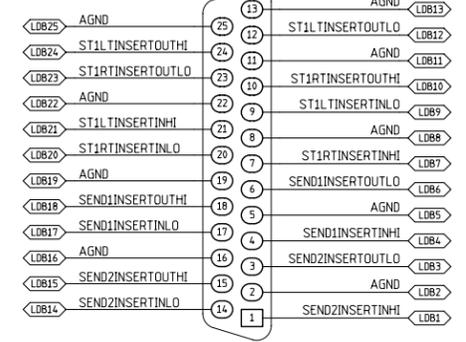


EDGE CONNECTORS BUSS CHART

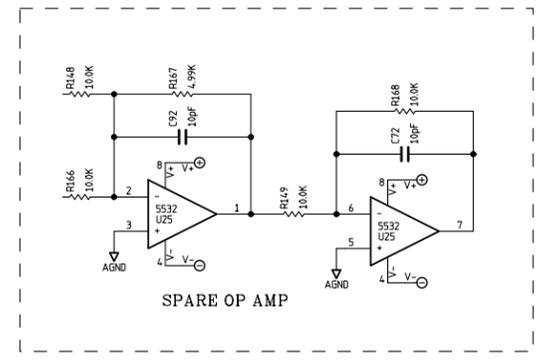
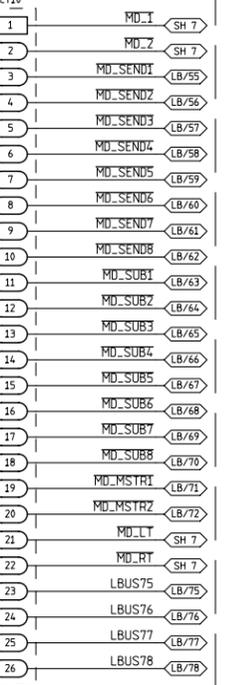
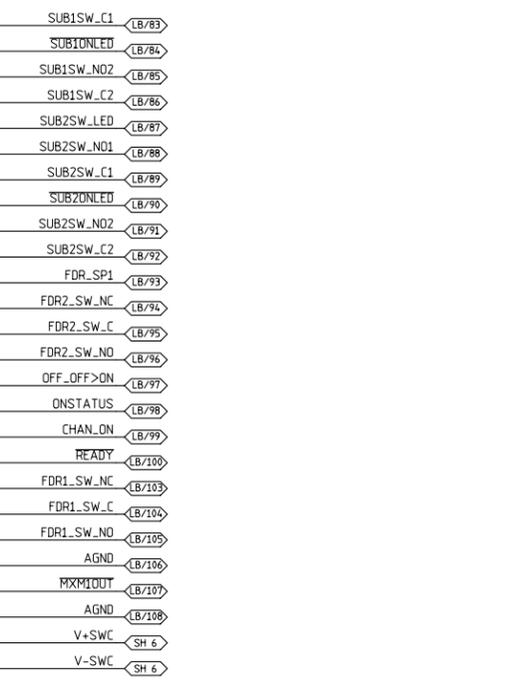
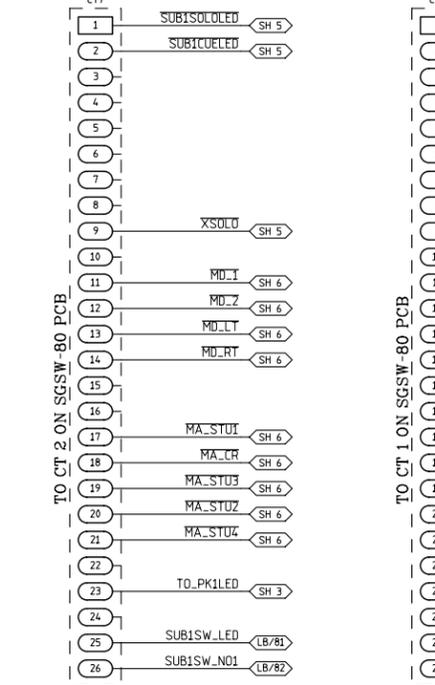
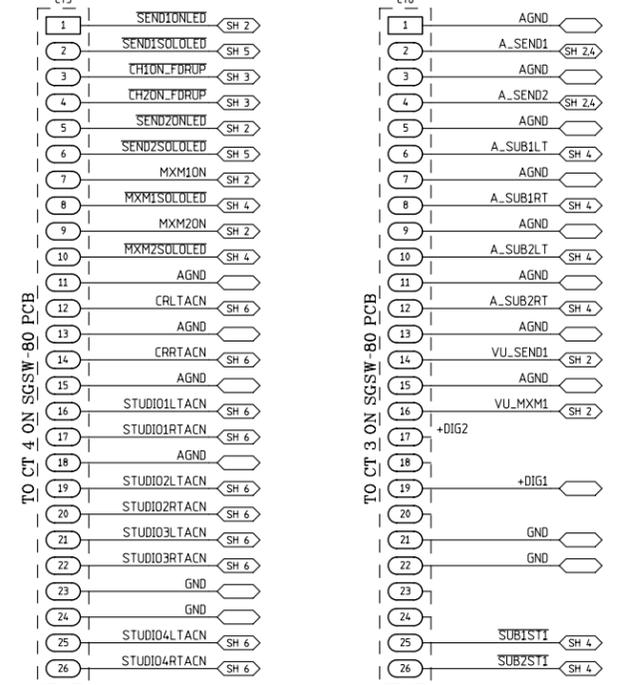
UPPER DB-25 CONNECTOR



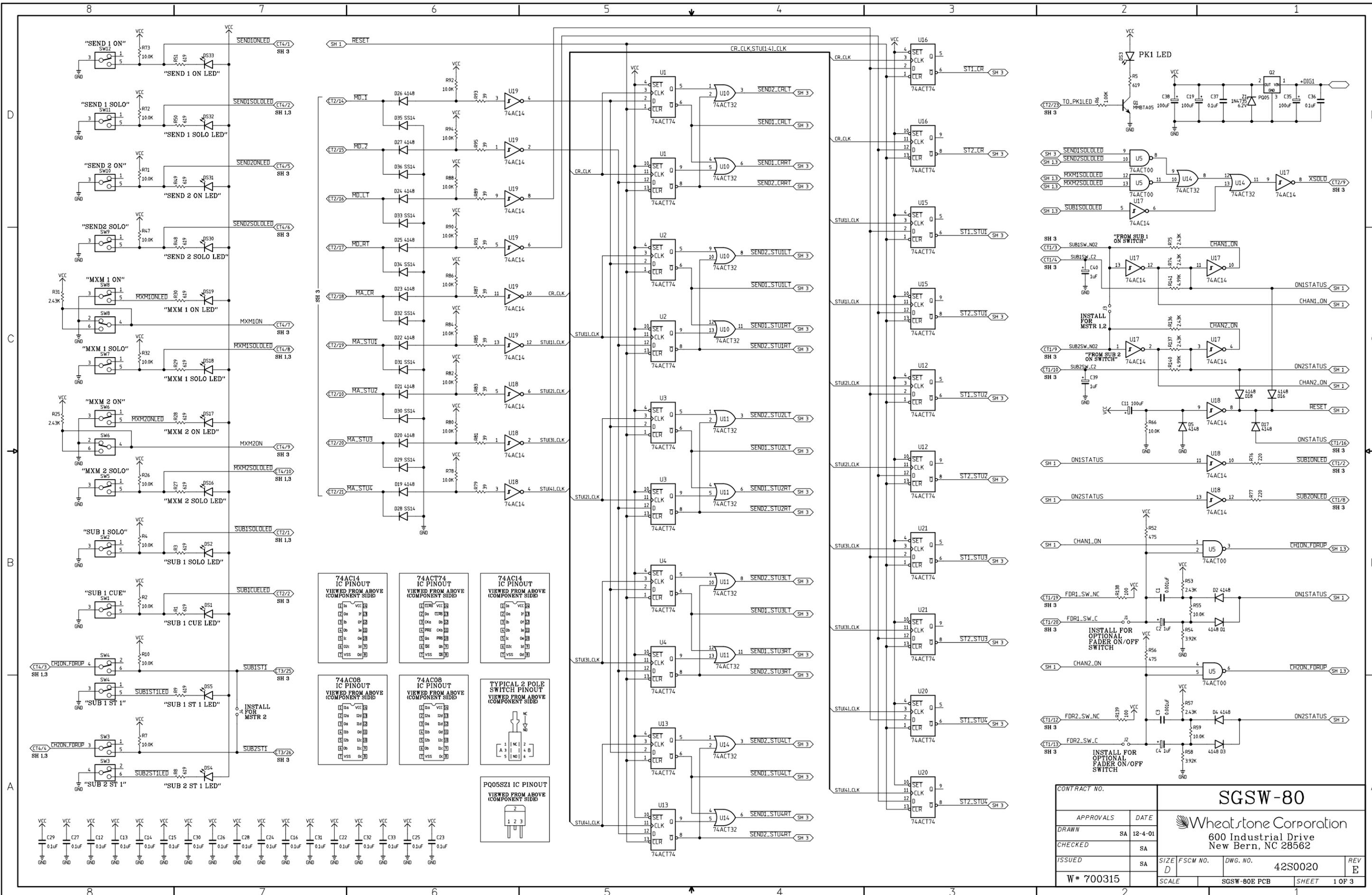
LOWER DB-25 CONNECTOR



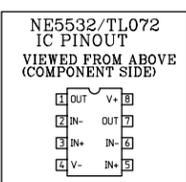
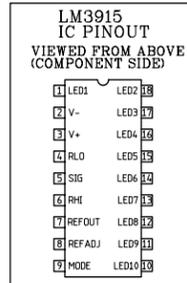
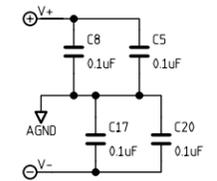
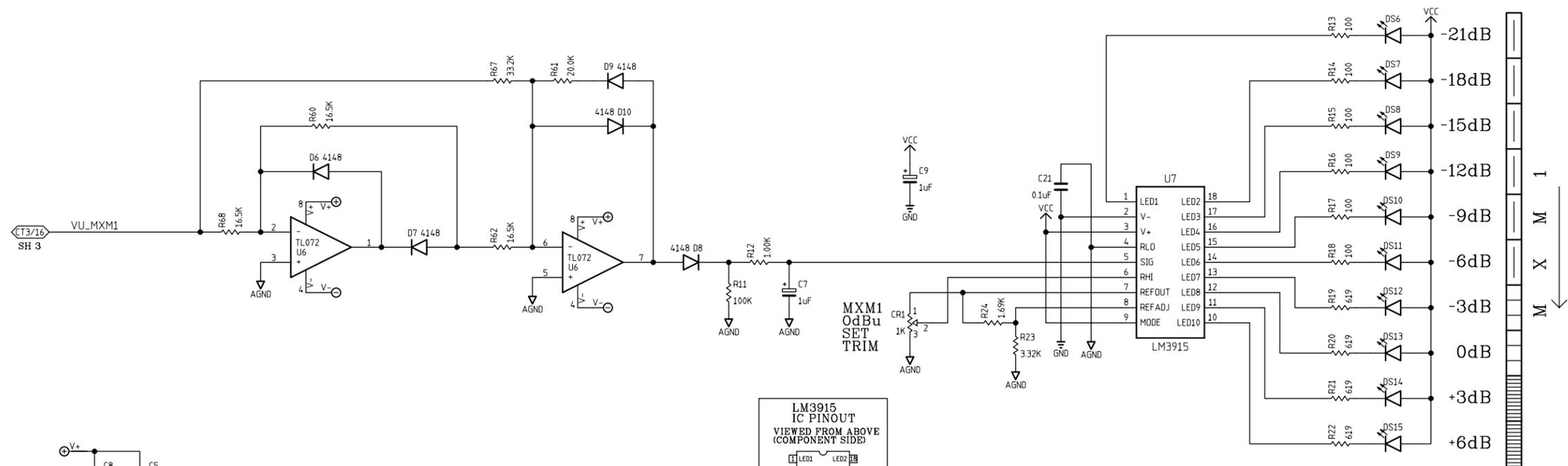
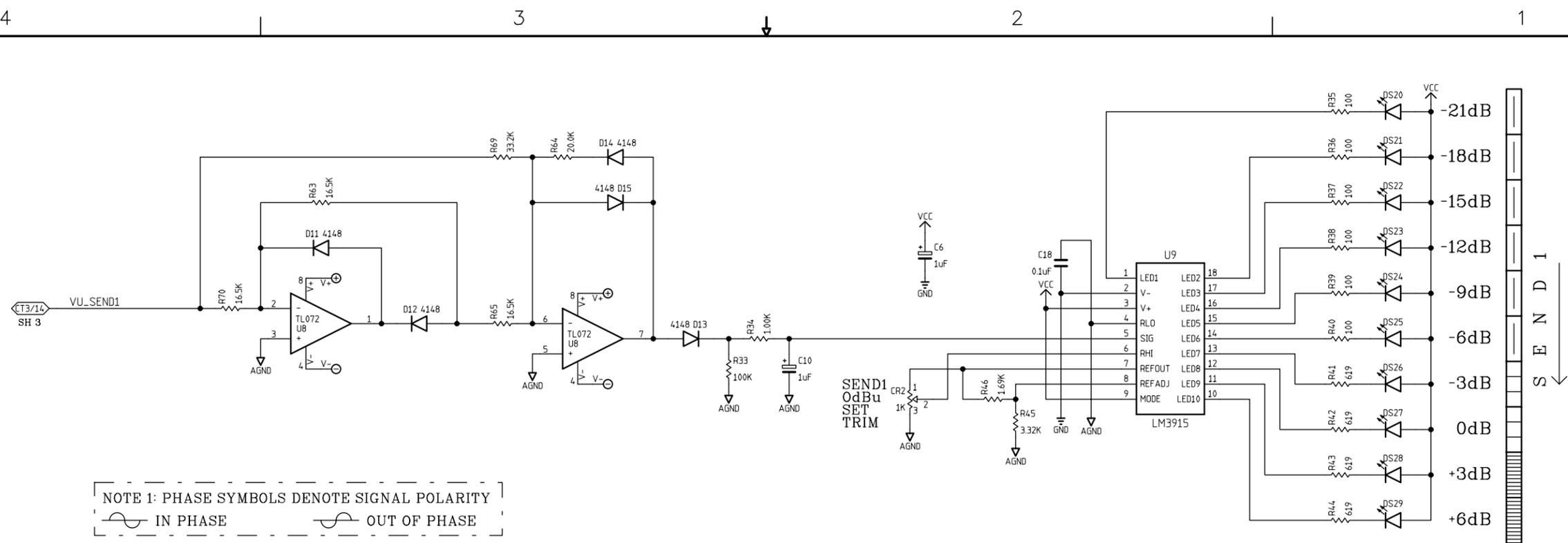
I/O CONNECTORS CHART



CONTRACT NO.		SM/SG-80			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 11-26-01				
CHECKED	SA				
ISSUED	SA				
W# 700314	SCALE	SIZE D	FSCM NO.	DWG. NO. 42S0035	REV B
		SG-80B PCB		SHEET 6 OF 6	

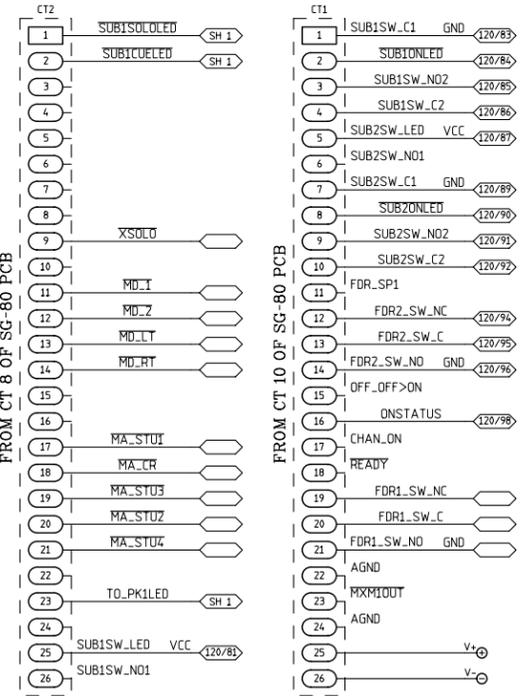
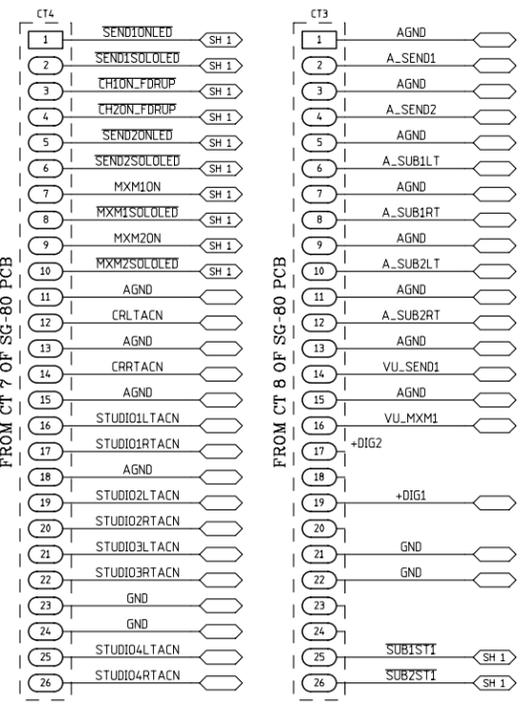
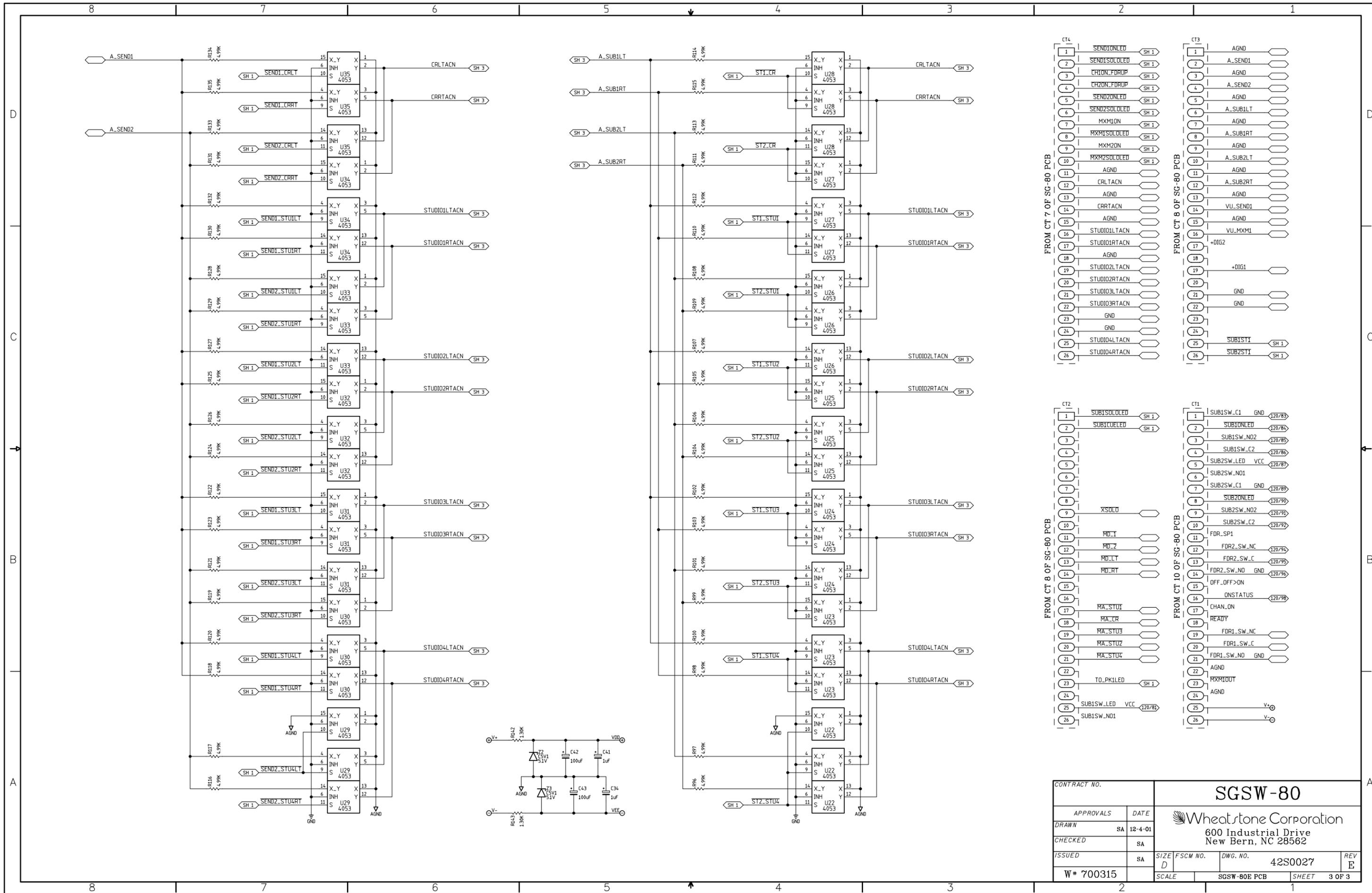


SUB/SM-80 Mono Group/ Stereo Master Output Module Schematic - Sheet 7 of 9



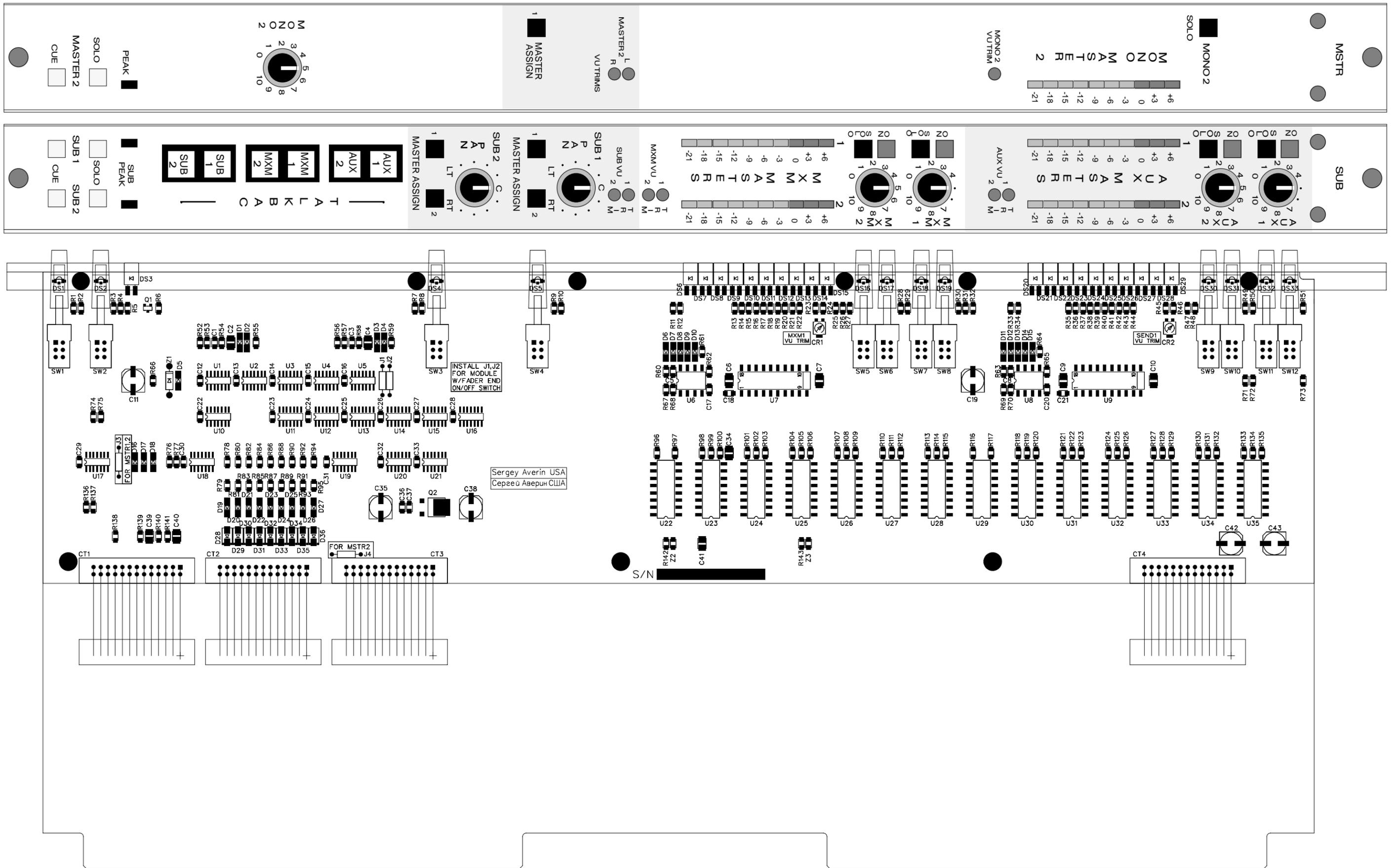
CONTRACT NO.		SGSW-80			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 12-4-01				
CHECKED	SA	SIZE	FSCM NO.	DWG. NO.	REV
ISSUED	SA	C		42S0026	E
W# 700315	SCALE	SGSW-80E PCB	SHEET	2 OF 3	

SUB/SM-80 Mono Group/ Stereo Master Output Module Schematic - Sheet 8 of 9

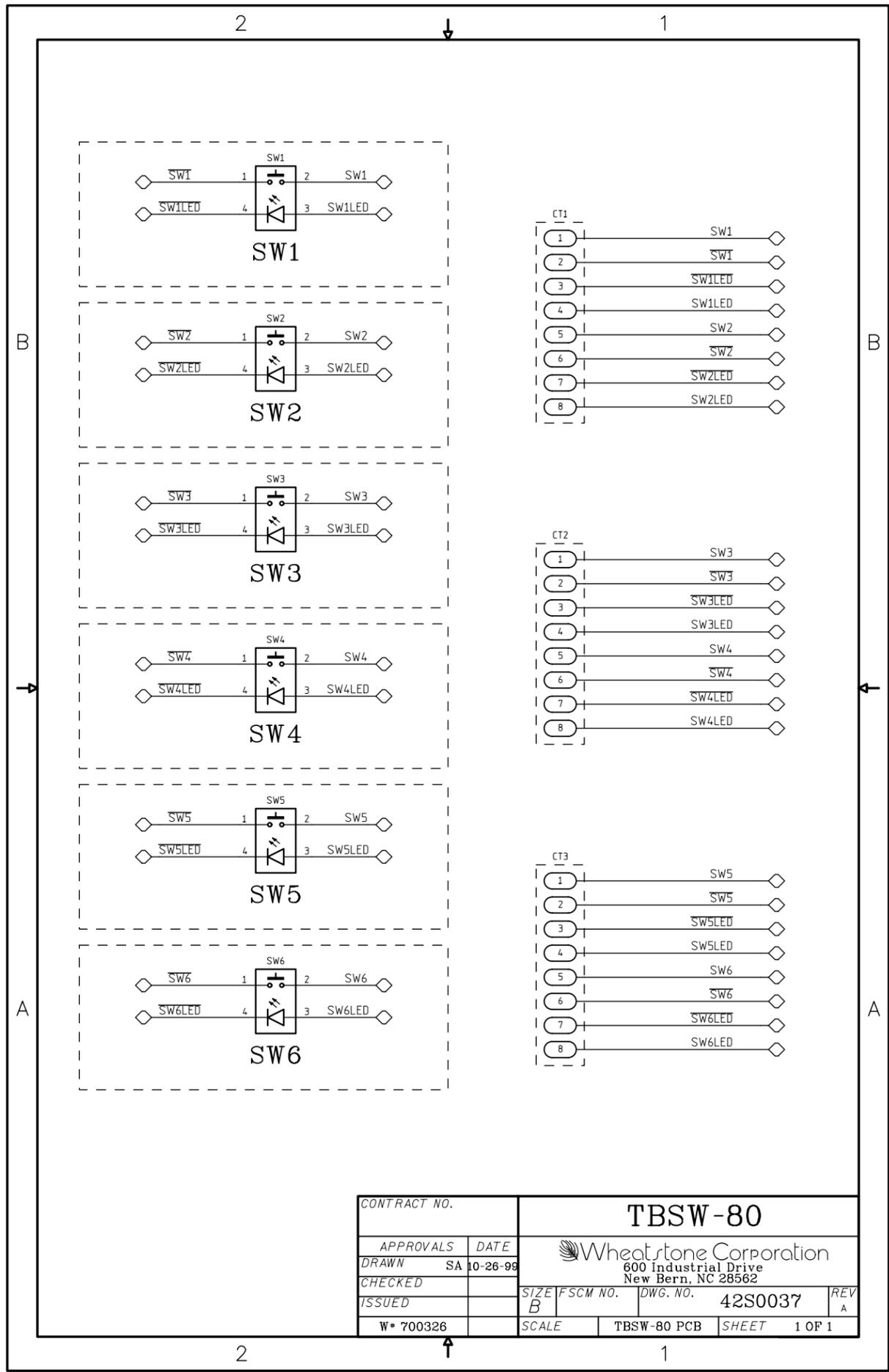


CONTRACT NO.		SGSW-80			
APPROVALS	DATE	Wheatstone Corporation			
DRAWN	SA 12-4-01	600 Industrial Drive			
CHECKED	SA	New Bern, NC 28562			
ISSUED	SA	SIZE	FSCM NO.	DWG. NO.	REV
W # 700315		D		42S0027	E
SCALE		SGSW-80E PCB		SHEET	3 OF 3

SUB/SM-80 Mono Group/ Stereo Master Output Module Schematic - Sheet 9 of 9

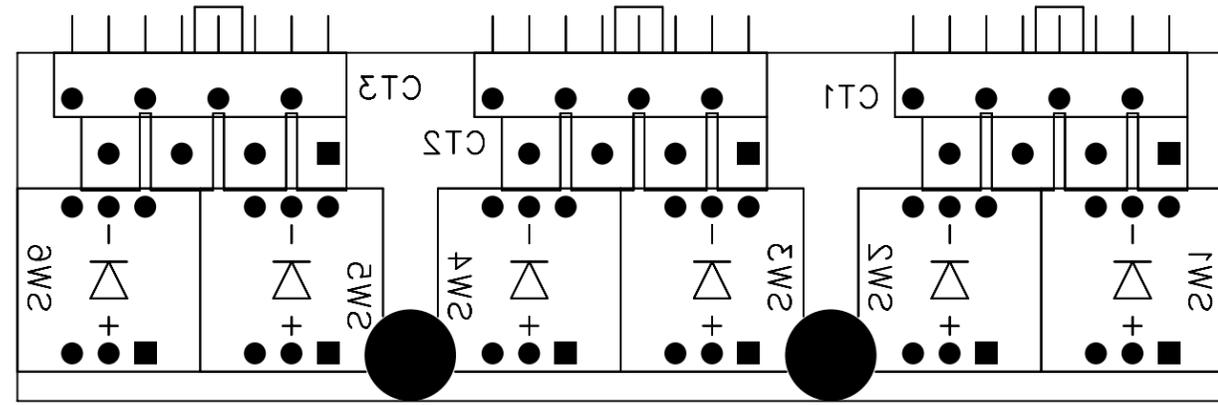


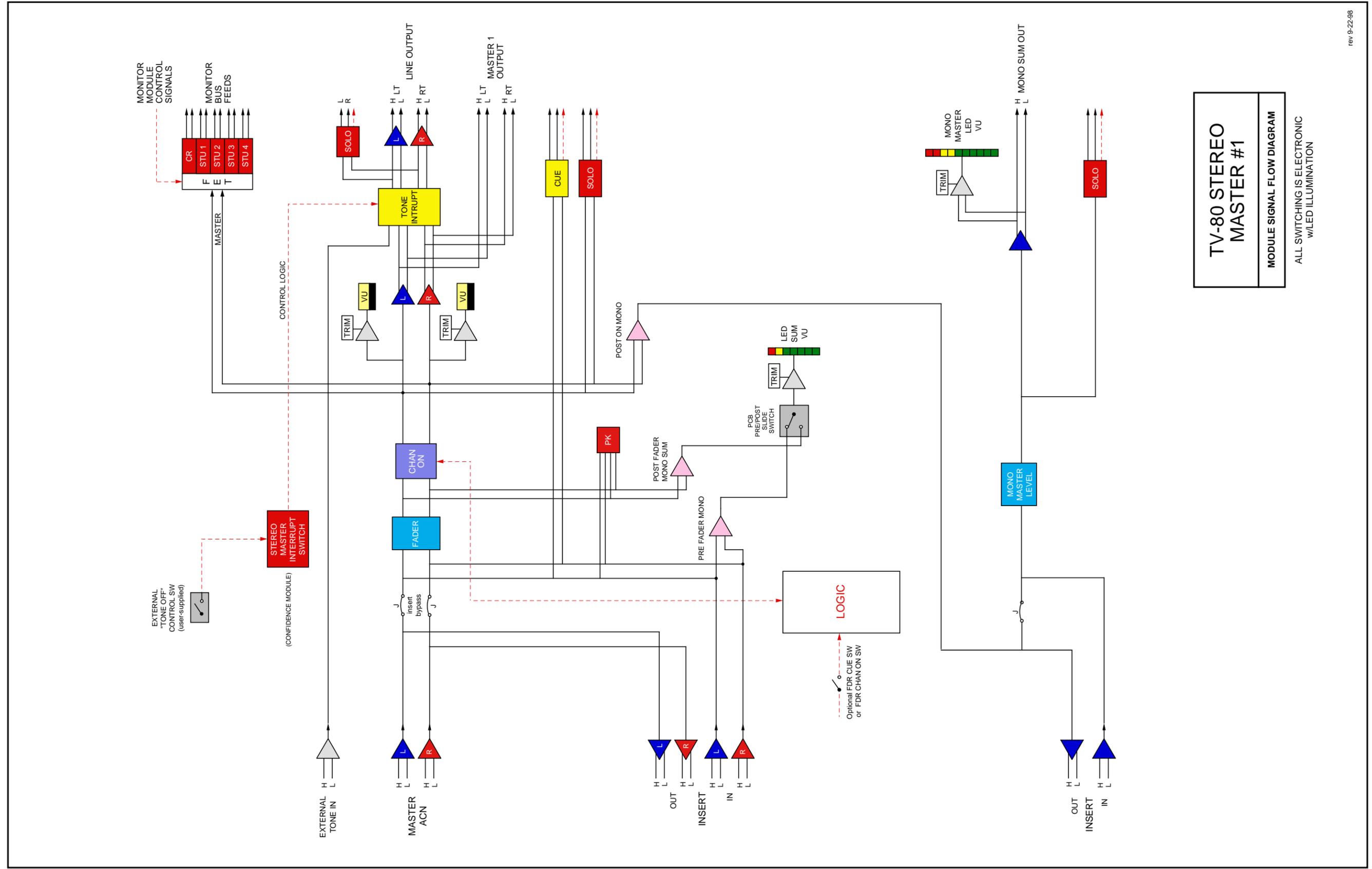
SUB/SM-80 Mono Group / Stereo Master Output Module Switch Card Load Sheet



CONTRACT NO.		TBSW-80			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	10-26-99				
CHECKED		SIZE	FSCM NO.	DWG. NO.	REV
ISSUED		B		42S0037	A
W# 700326		SCALE	TBSW-80 PCB	SHEET	1 OF 1

Talk Back Switch Card Schematic - Sheet 1 of 1

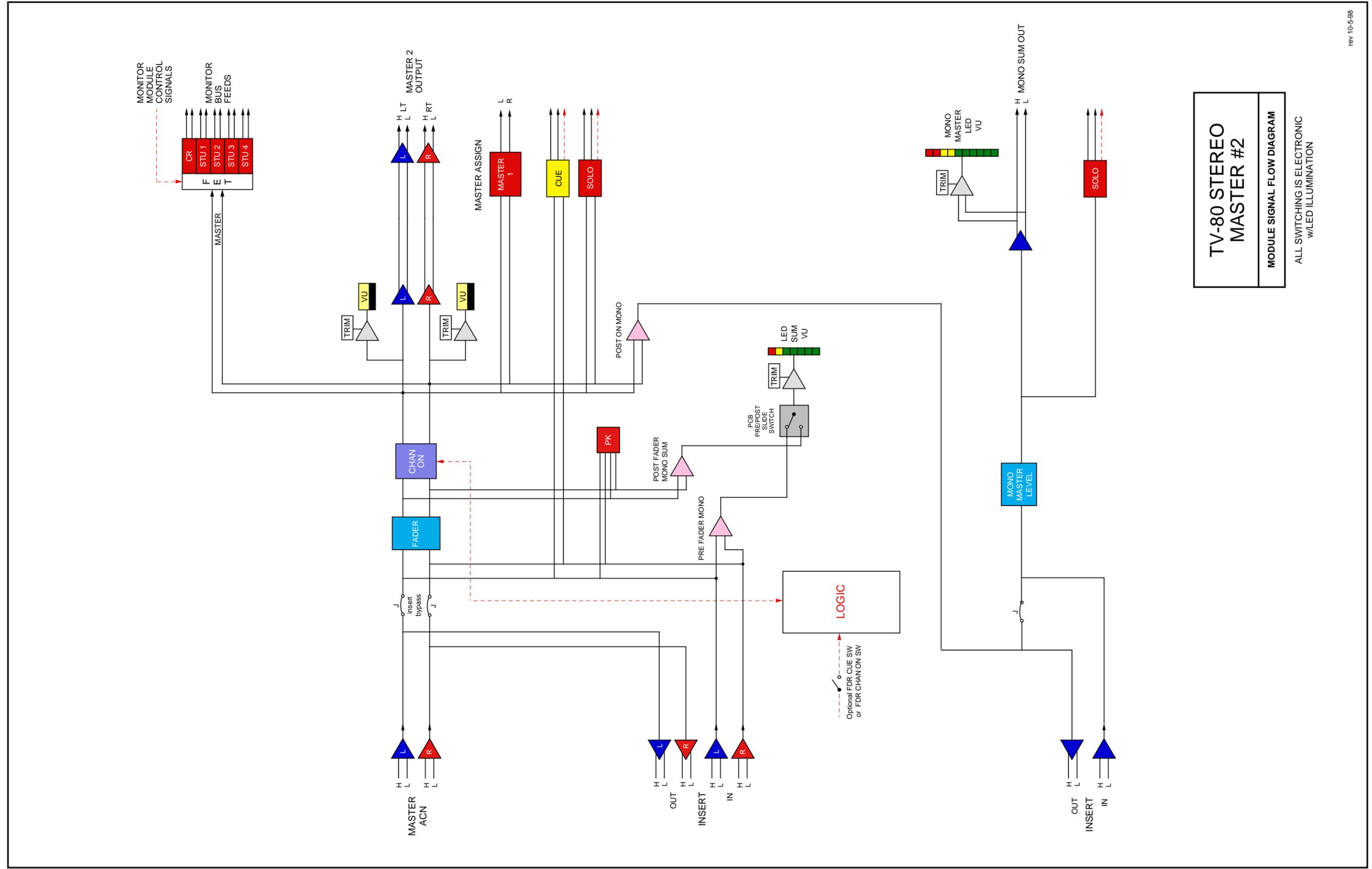




TV-80 STEREO MASTER #1
MODULE SIGNAL FLOW DIAGRAM

ALL SWITCHING IS ELECTRONIC
 W/LED ILLUMINATION

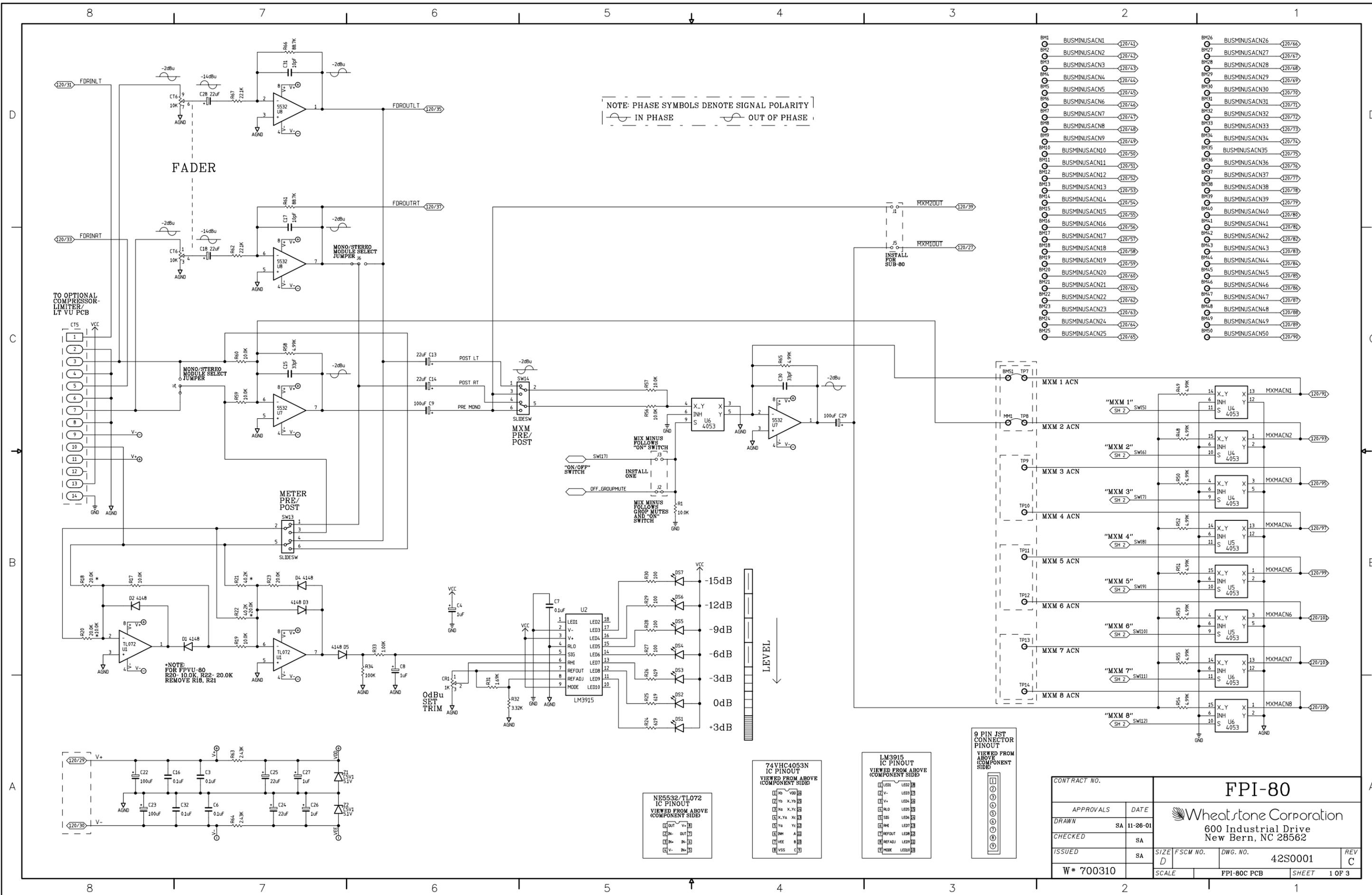
rev 9-22-98



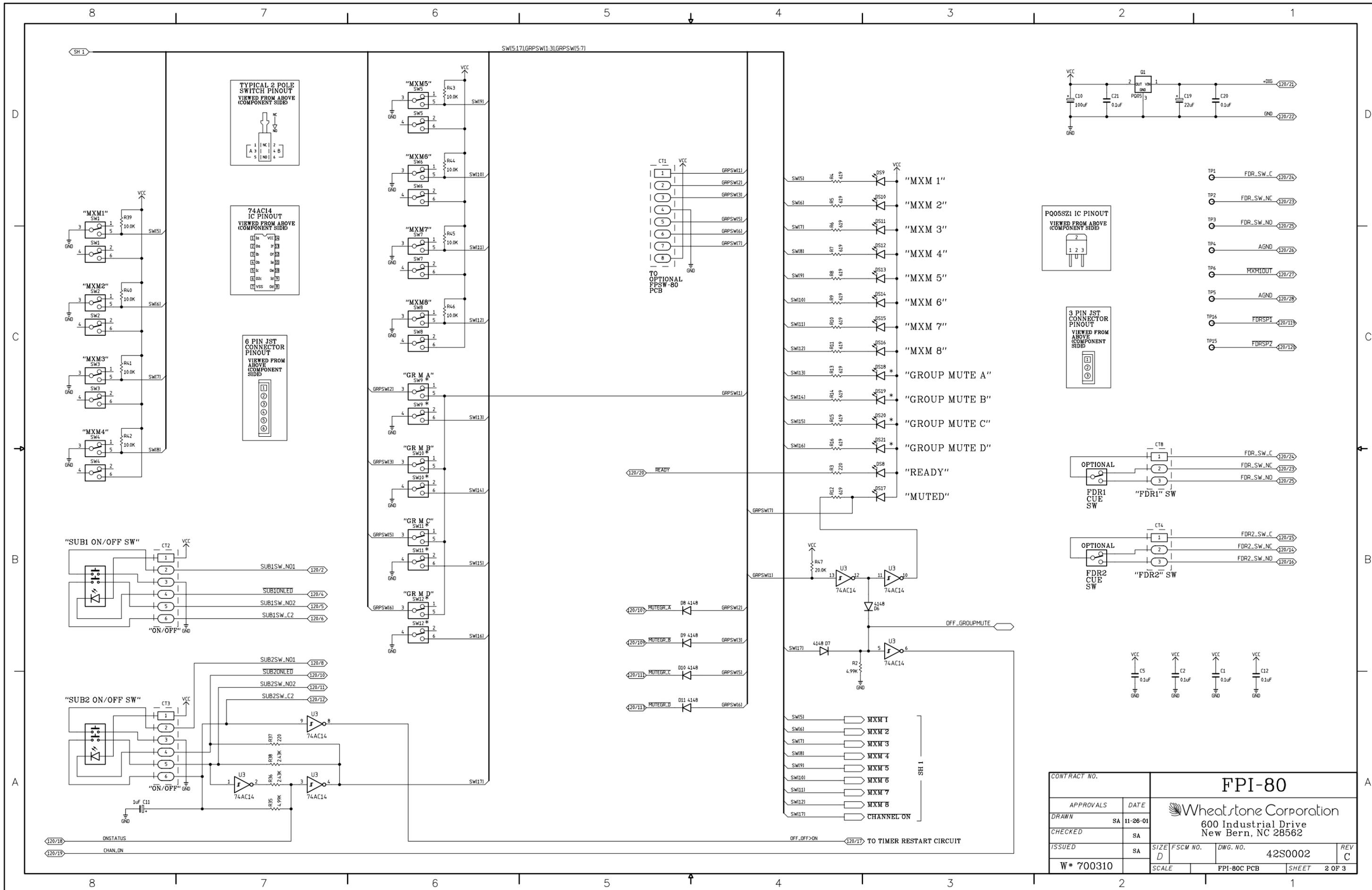
**TV-80 STEREO
MASTER #2**

MODULE SIGNAL FLOW DIAGRAM

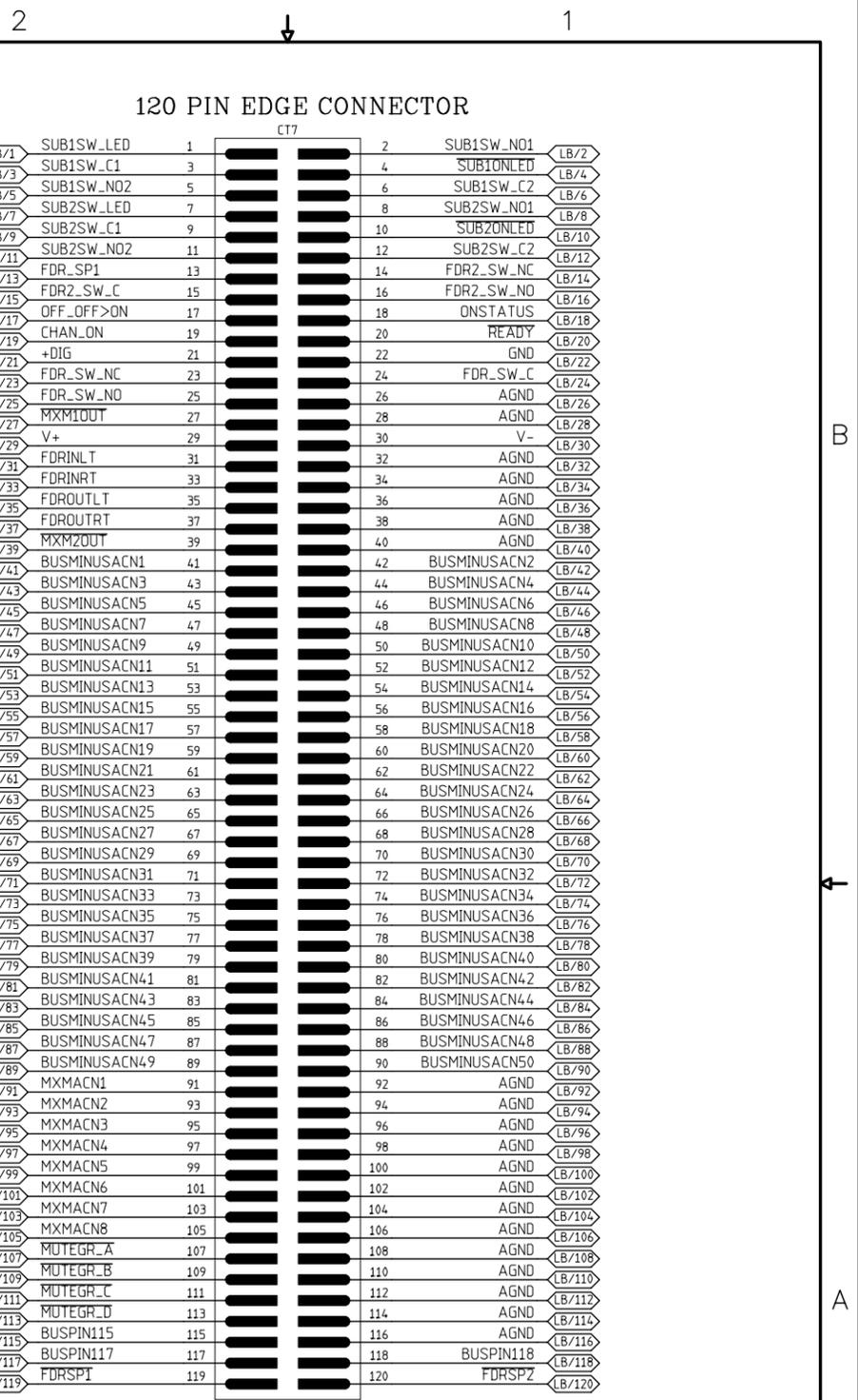
ALL SWITCHING IS ELECTRONIC
w/LED ILLUMINATION



FPI-80 Fader Panel Input Module Schematic - Sheet 1 of 3



FPI-80 Fader Panel Input Module Schematic - Sheet 2 of 3



AGND

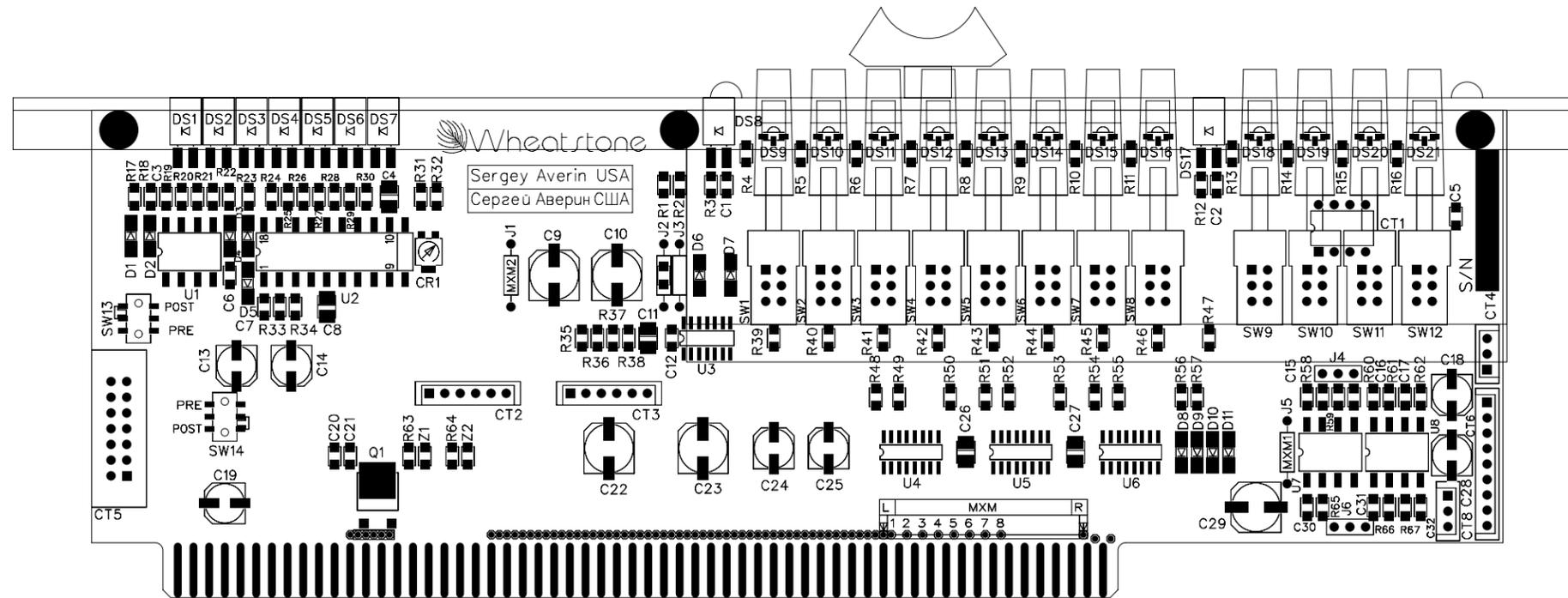
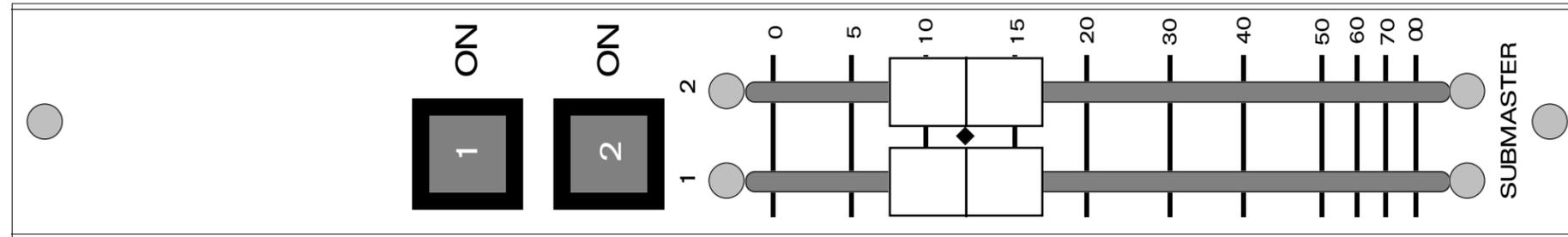
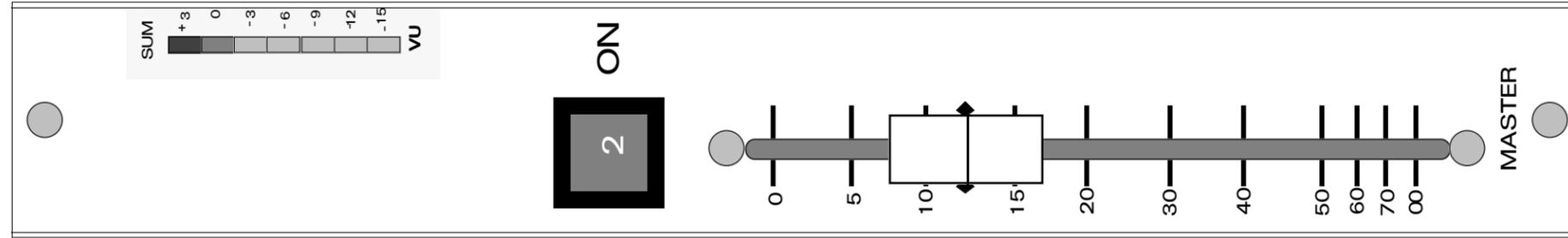
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AGND

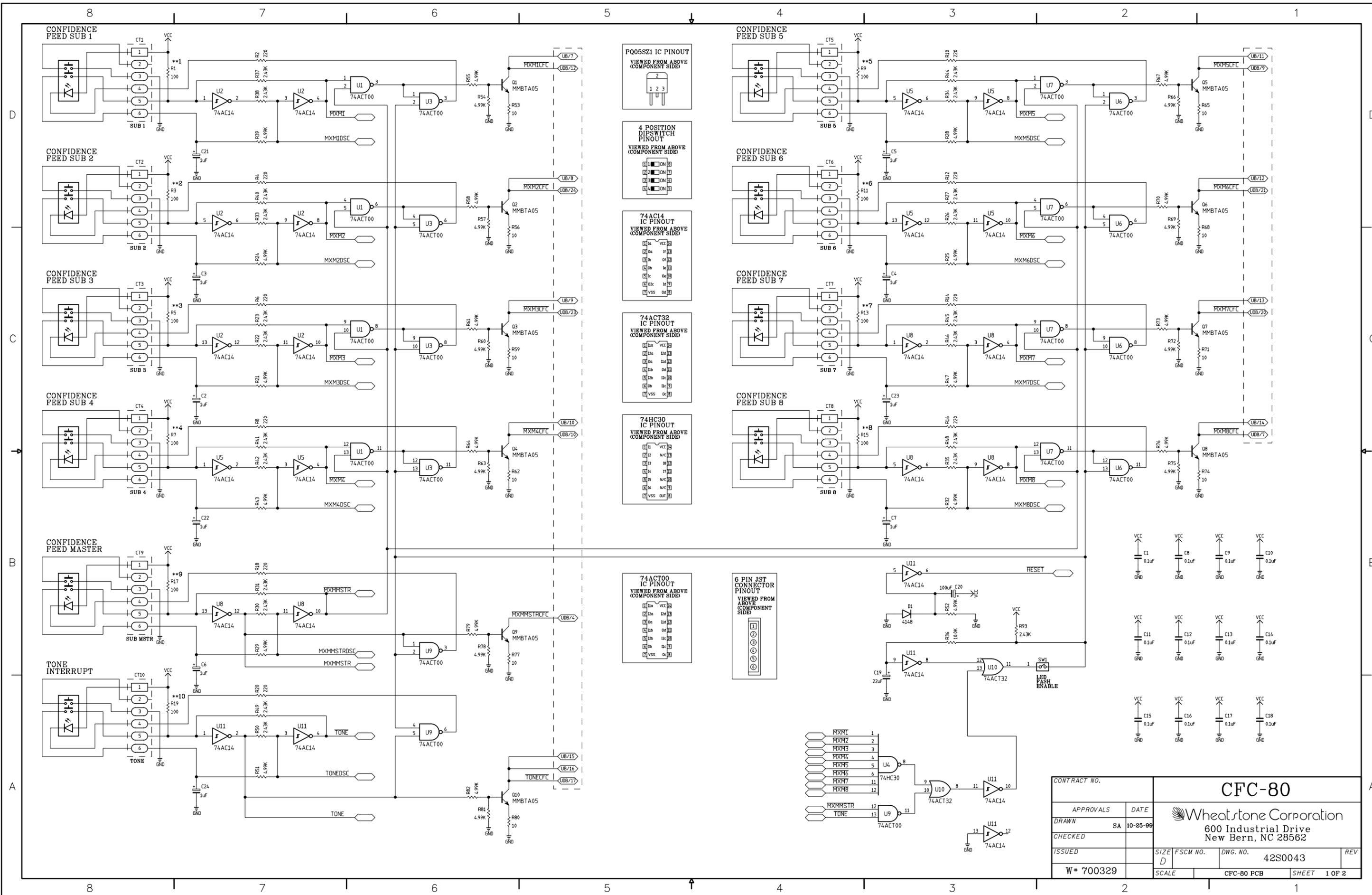
CONTRACT NO.		FPI-80	
APPROVALS	DATE	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN SA	11-26-01		
CHECKED	SA	SIZE B	FSCM NO.
ISSUED	SA	DWG. NO. 42S0003	
W* 700310		SCALE	FPI-80 PCB SHEET 3 OF 3

FPI-80 Fader Panel Input Module

Schematic - Sheet 3 of 3

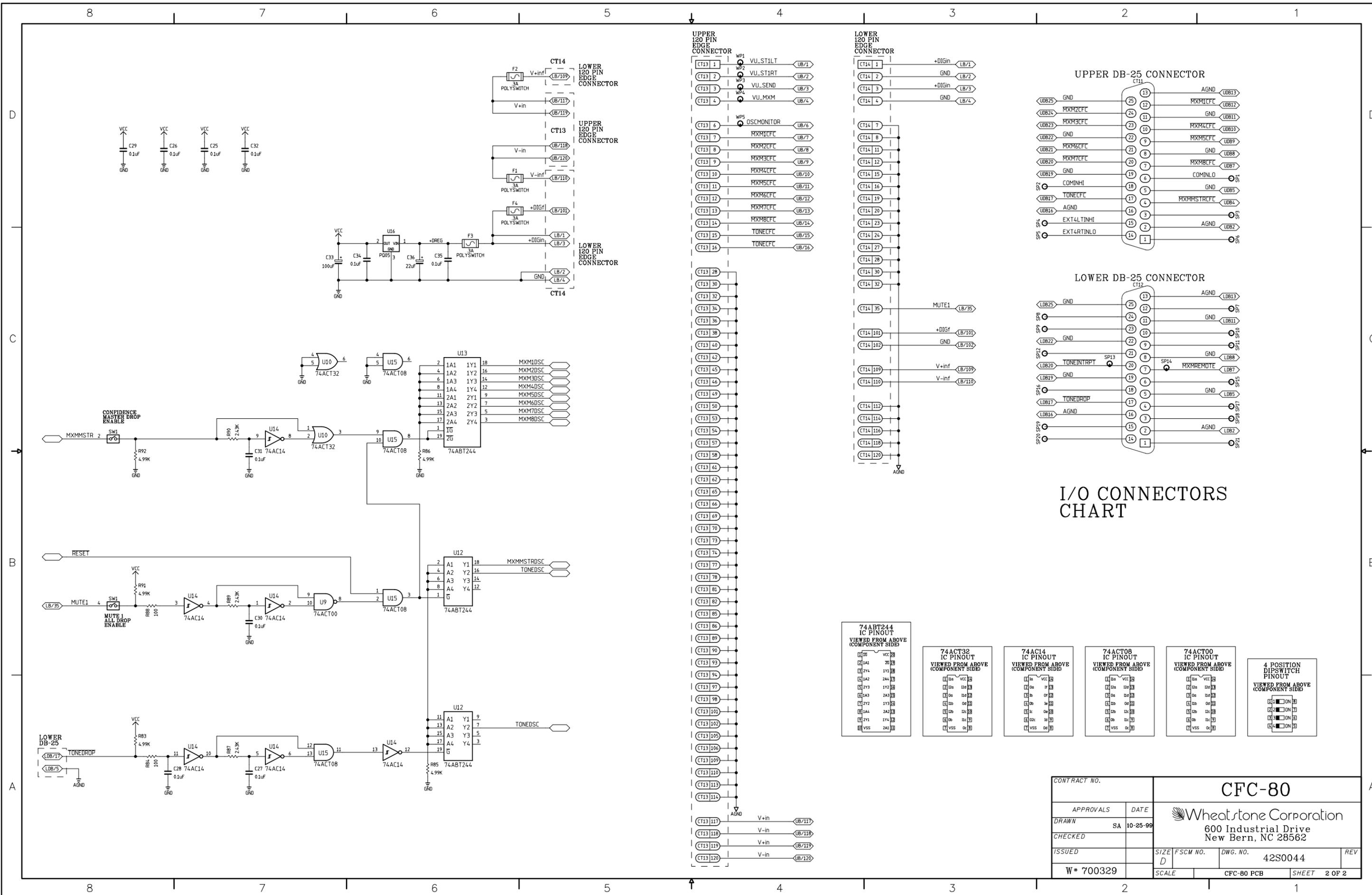


FPO-80 Fader Panel Output Module Load Sheet



CONTRACT NO.		CFC-80			
APPROVALS	DATE				
DRAWN	SA 10-25-99	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
CHECKED					
ISSUED		SIZE	FSCM NO.	DWG. NO.	REV
W # 700329		D		42S0043	
		SCALE	CFC-80 PCB	SHEET 1 OF 2	

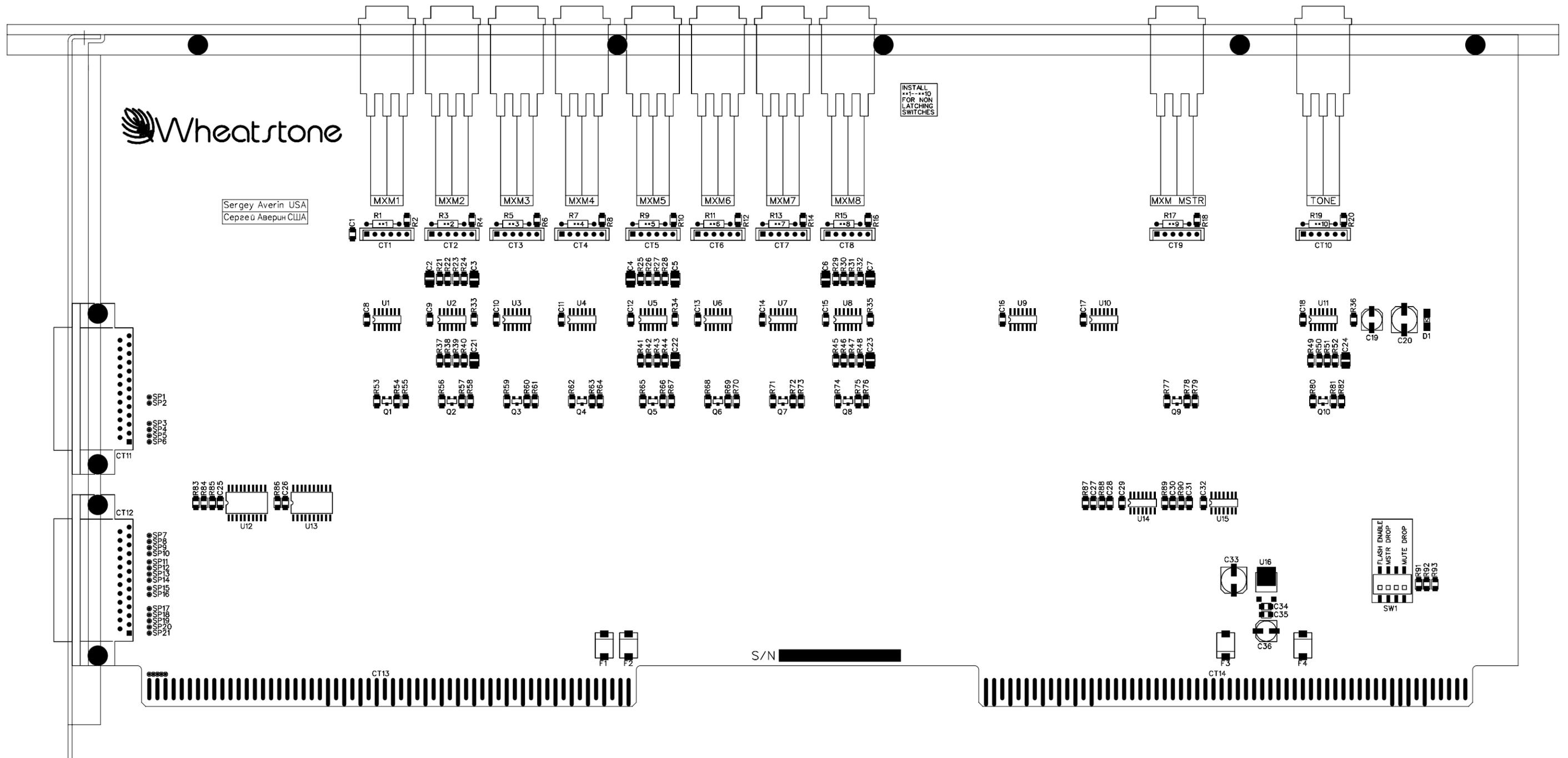
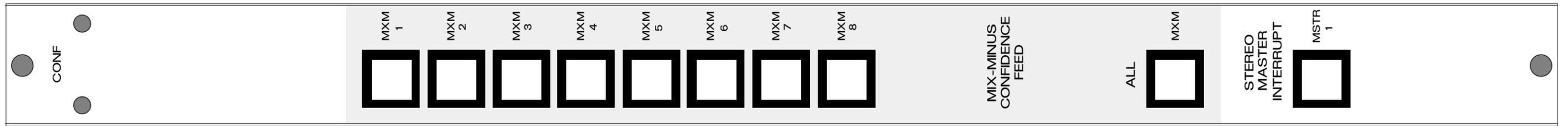
CFC-80 Confidence Feed Controller Module Schematic - Sheet 1 of 2



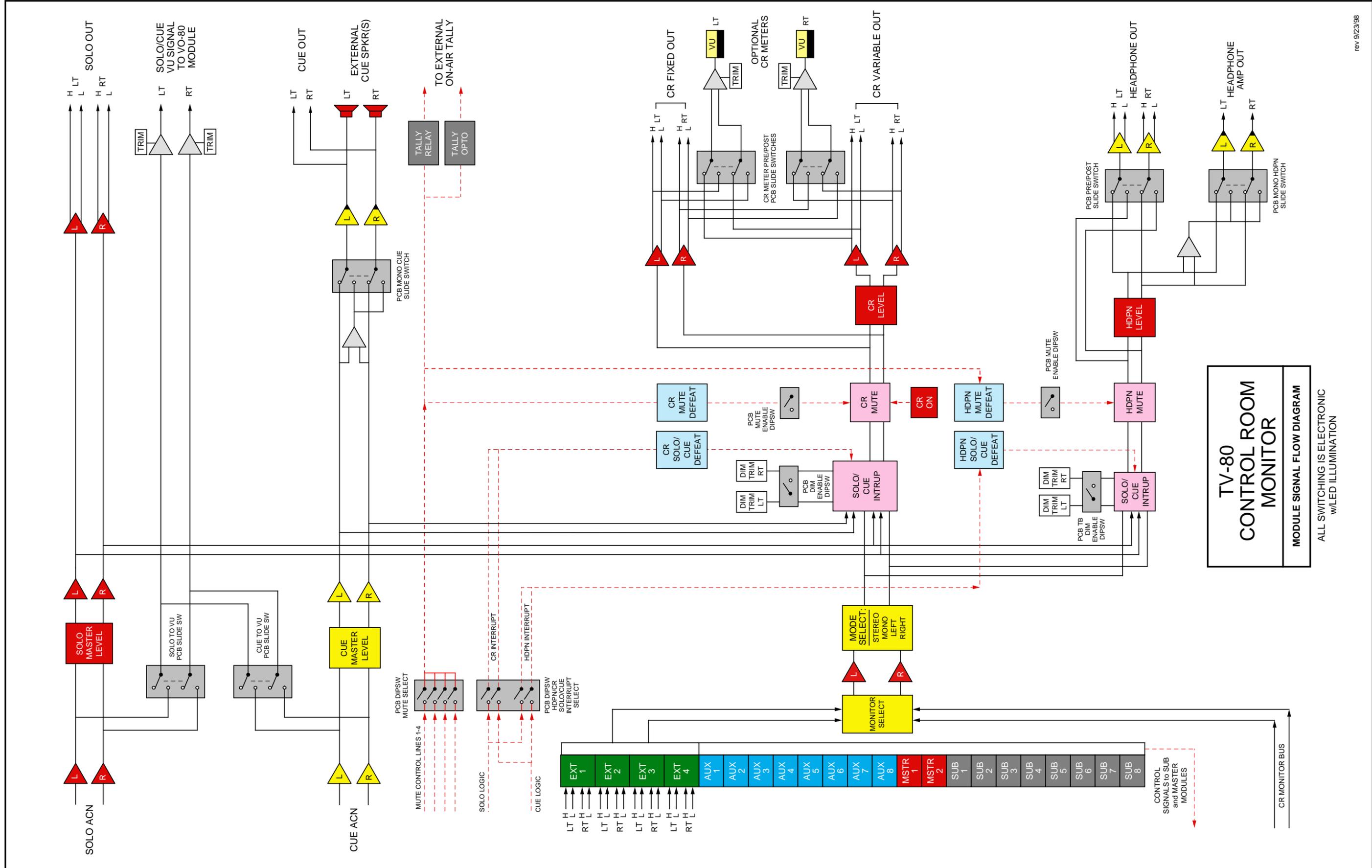
I/O CONNECTORS CHART

CONTRACT NO.		CFC-80			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 10-25-99				
CHECKED		SIZE	FSCM NO.	DWG. NO.	REV
ISSUED		D		42S0044	
W# 700329		SCALE	CFC-80 PCB	SHEET 2 OF 2	

CFC-80 Confidence Feed Controller Module Schematic - Sheet 2 of 2



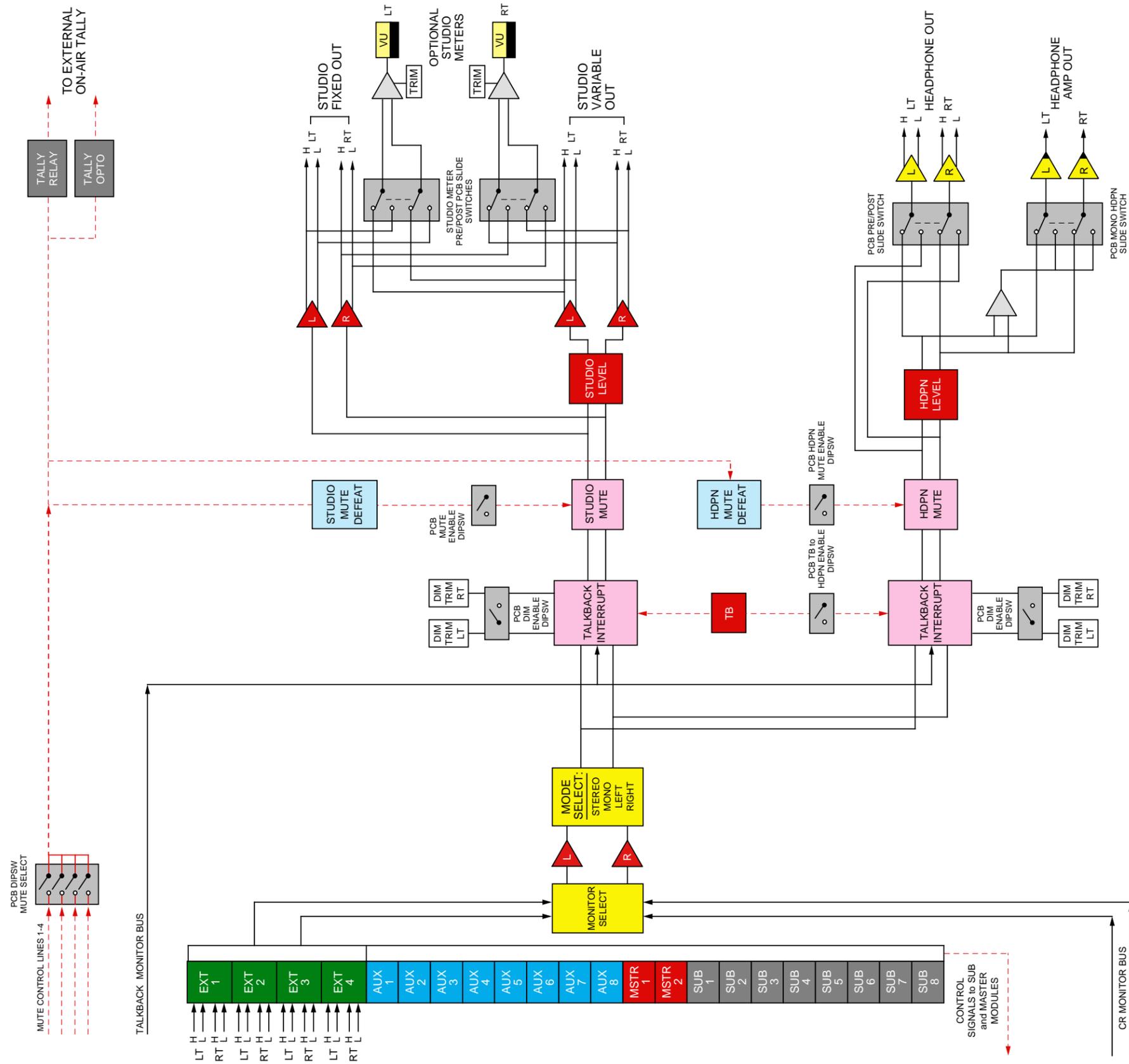
CFC-80 Confidence Feed Controller Module Load Sheet



**TV-80
CONTROL ROOM
MONITOR**

MODULE SIGNAL FLOW DIAGRAM

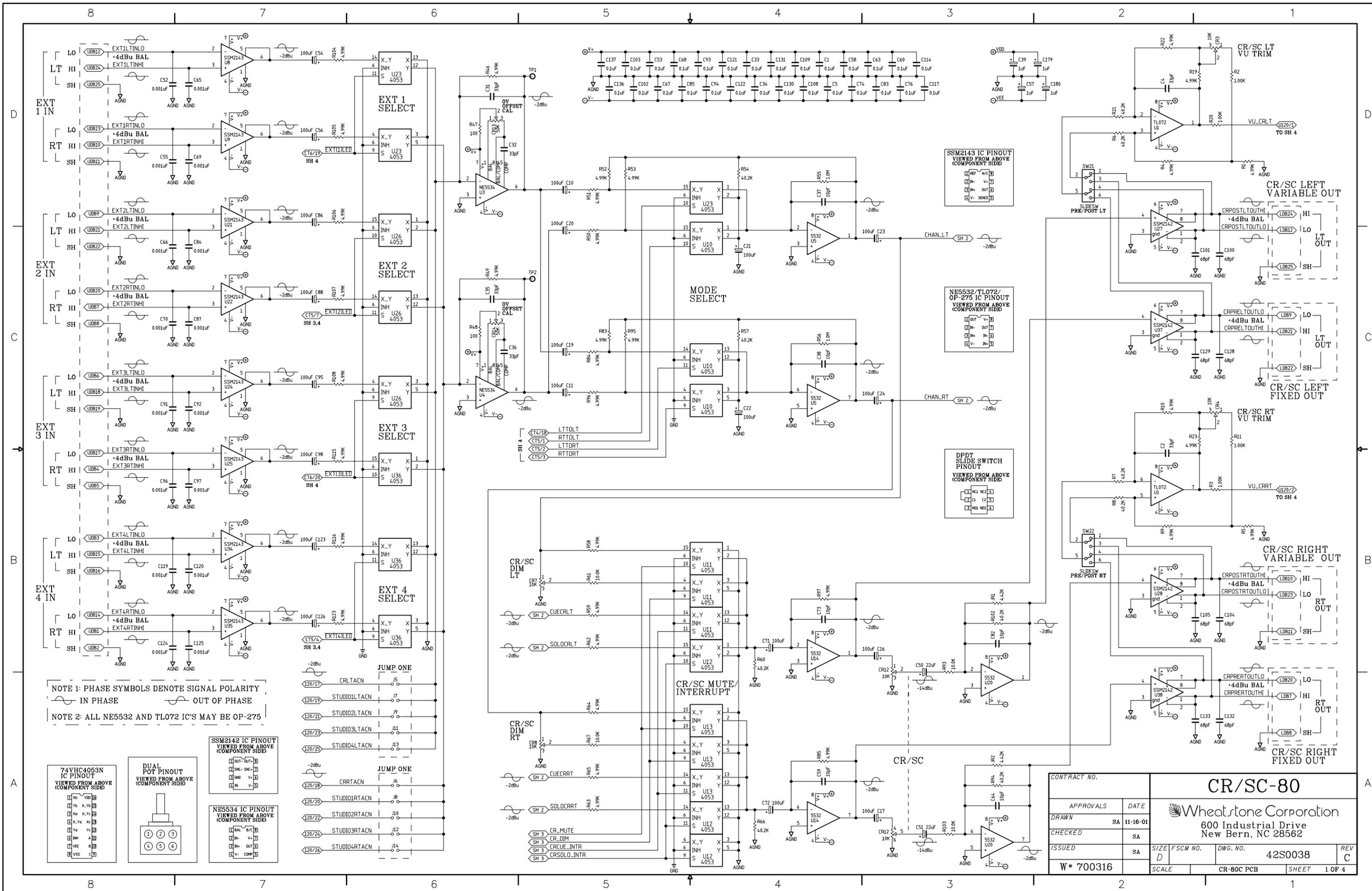
ALL SWITCHING IS ELECTRONIC
W/LED ILLUMINATION



**TV-80
STUDIO MONITOR
MODULE**

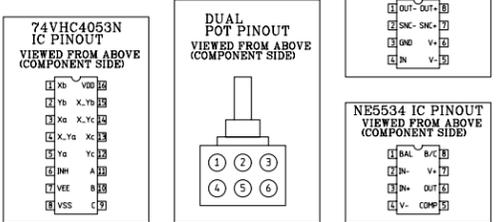
MODULE SIGNAL FLOW DIAGRAM

ALL SWITCHING IS ELECTRONIC
W/LED ILLUMINATION



NOTE 1: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE OUT OF PHASE

NOTE 2: ALL NE5532 AND TL072 IC'S MAY BE OP-275

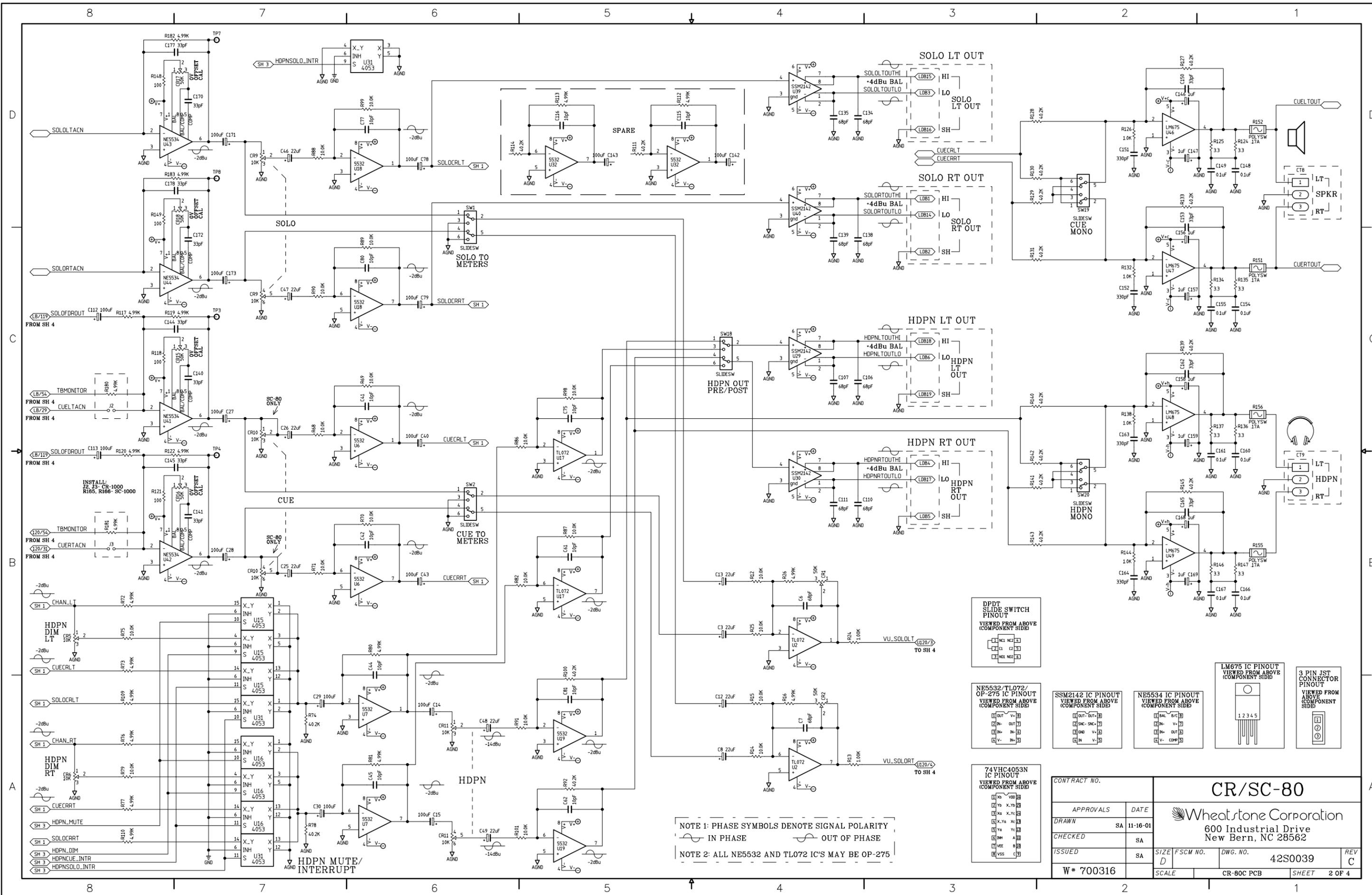


(120/17)	CRLTACN	J5
(120/19)	STUDIO1LTACN	J7
(120/21)	STUDIO2LTACN	J9
(120/23)	STUDIO3LTACN	J11
(120/25)	STUDIO4LTACN	J13
JUMP ONE		
(120/18)	CRRTACN	J6
(120/20)	STUDIO1RTACN	J8
(120/22)	STUDIO2RTACN	J10
(120/24)	STUDIO3RTACN	J12
(120/26)	STUDIO4RTACN	J14

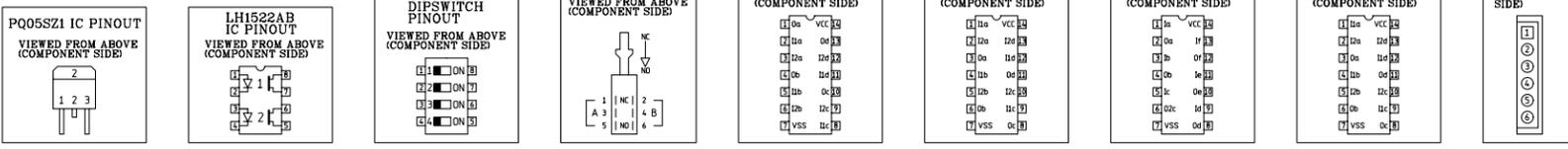
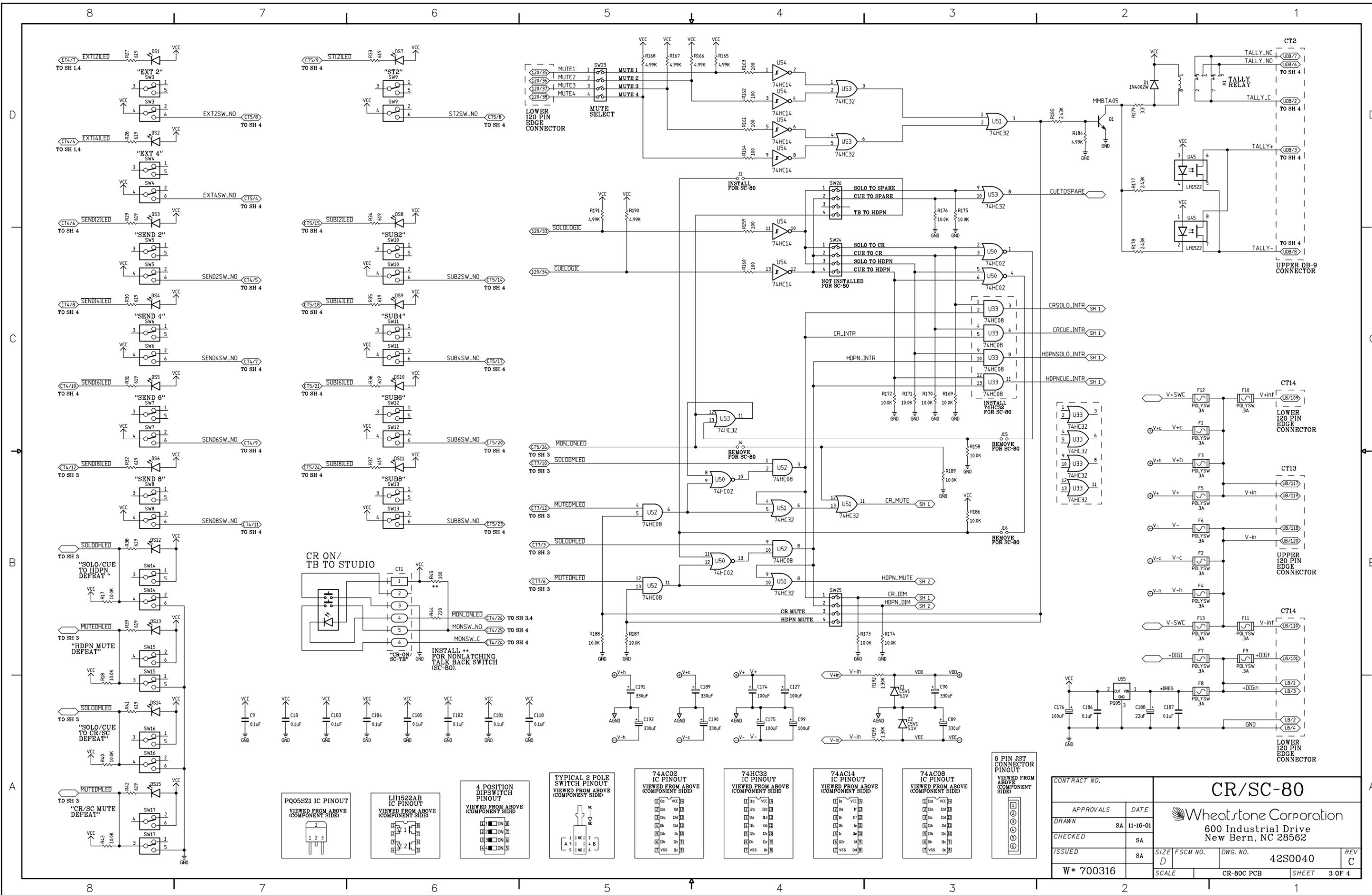
- SH 4 CR_MUTE
- SH 3 CR_DIM
- SH 3 CR_CUE_INTR
- SH 3 CR_SOLO_INTR

CONTRACT NO.		CR/SC-80	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN	SA 11-16-01	600 Industrial Drive	
CHECKED	SA	New Bern, NC 28562	
ISSUED	SA	SIZE FSCM NO.	DWG. NO. 42S0038
W # 700316	SCALE	CR-80C PCB	SHEET 1 OF 4

CR/SC-80 Control Room/Studio Module Schematic - Sheet 1 of 6



CR/SC-80 Control Room/Studio Module Schematic - Sheet 2 of 6

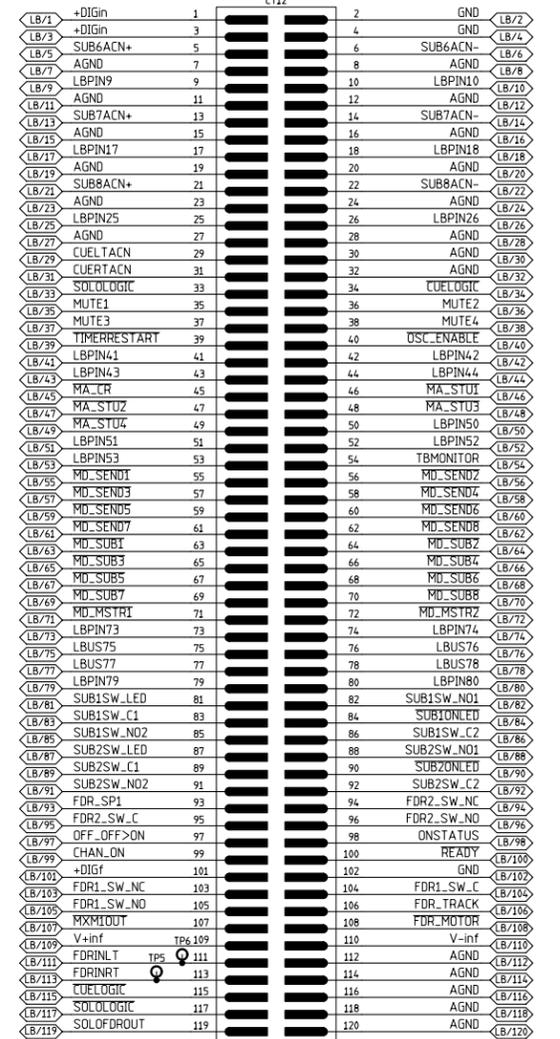
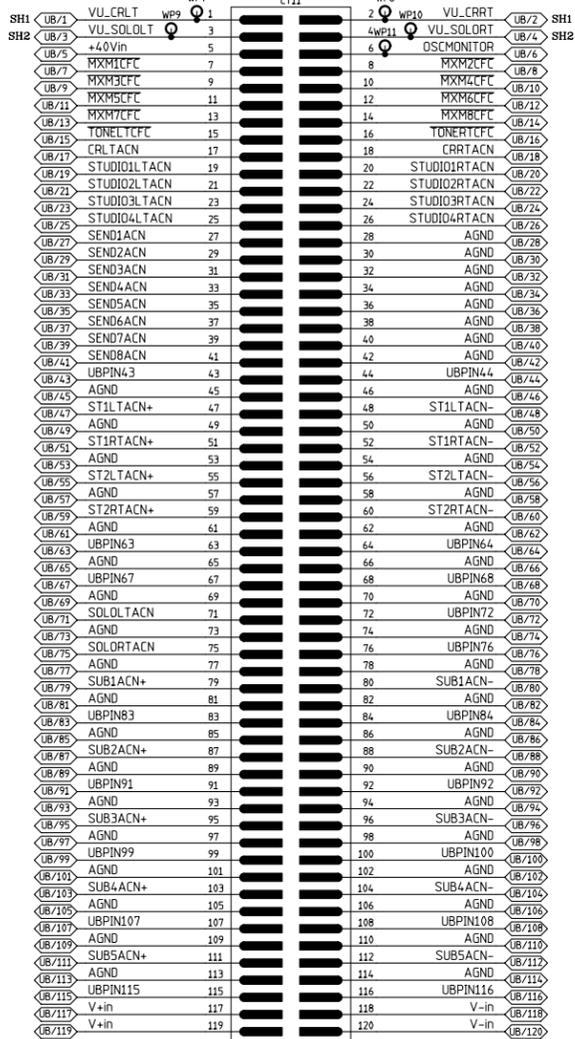


CONTRACT NO.		CR/SC-80	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN SA	11-16-01	600 Industrial Drive New Bern, NC 28562	
CHECKED SA	SA	SIZE D	FSCM NO. 42S0040
ISSUED SA	SA	DWG. NO. 42S0040	REV C
W# 700316	SCALE	CR-80C PCB	SHEET 3 OF 4

CR/SC-80 Control Room/Studio Module Schematic - Sheet 3 of 6

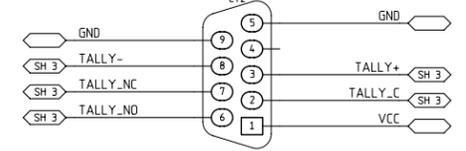
UPPER 120 PIN EDGE CONNECTOR

LOWER 120 PIN EDGE CONNECTOR

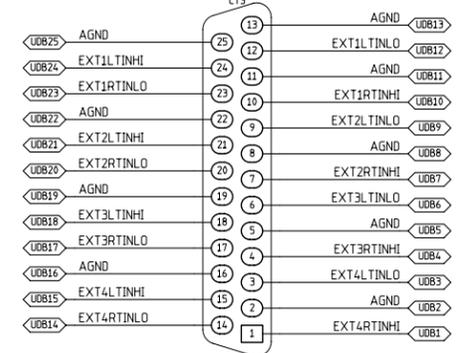


EDGE CONNECTORS BUSS CHART

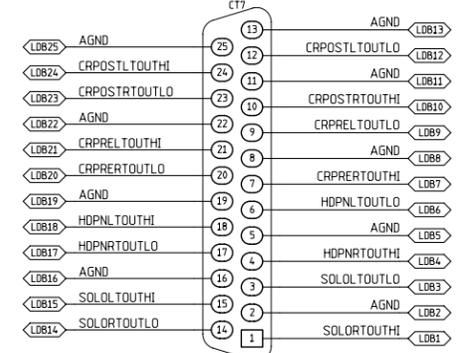
UPPER DB-9 CONNECTOR



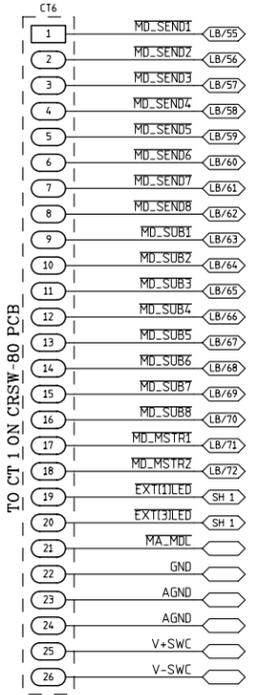
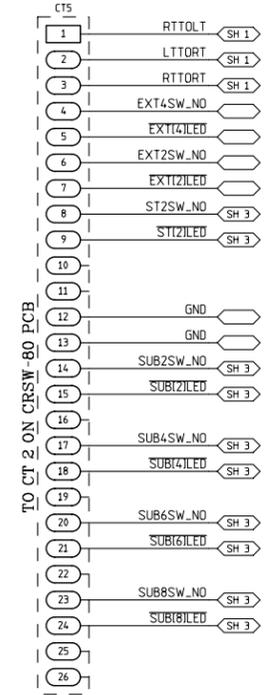
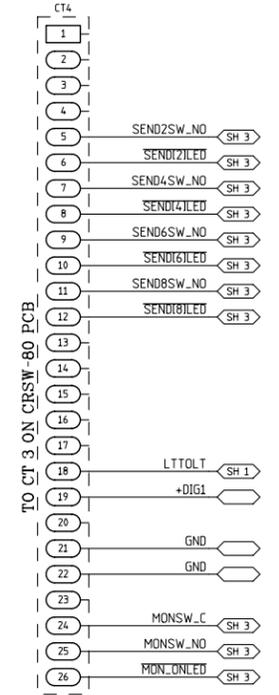
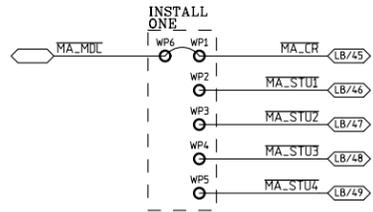
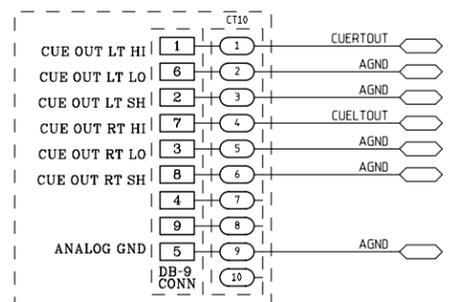
UPPER DB-25 CONNECTOR



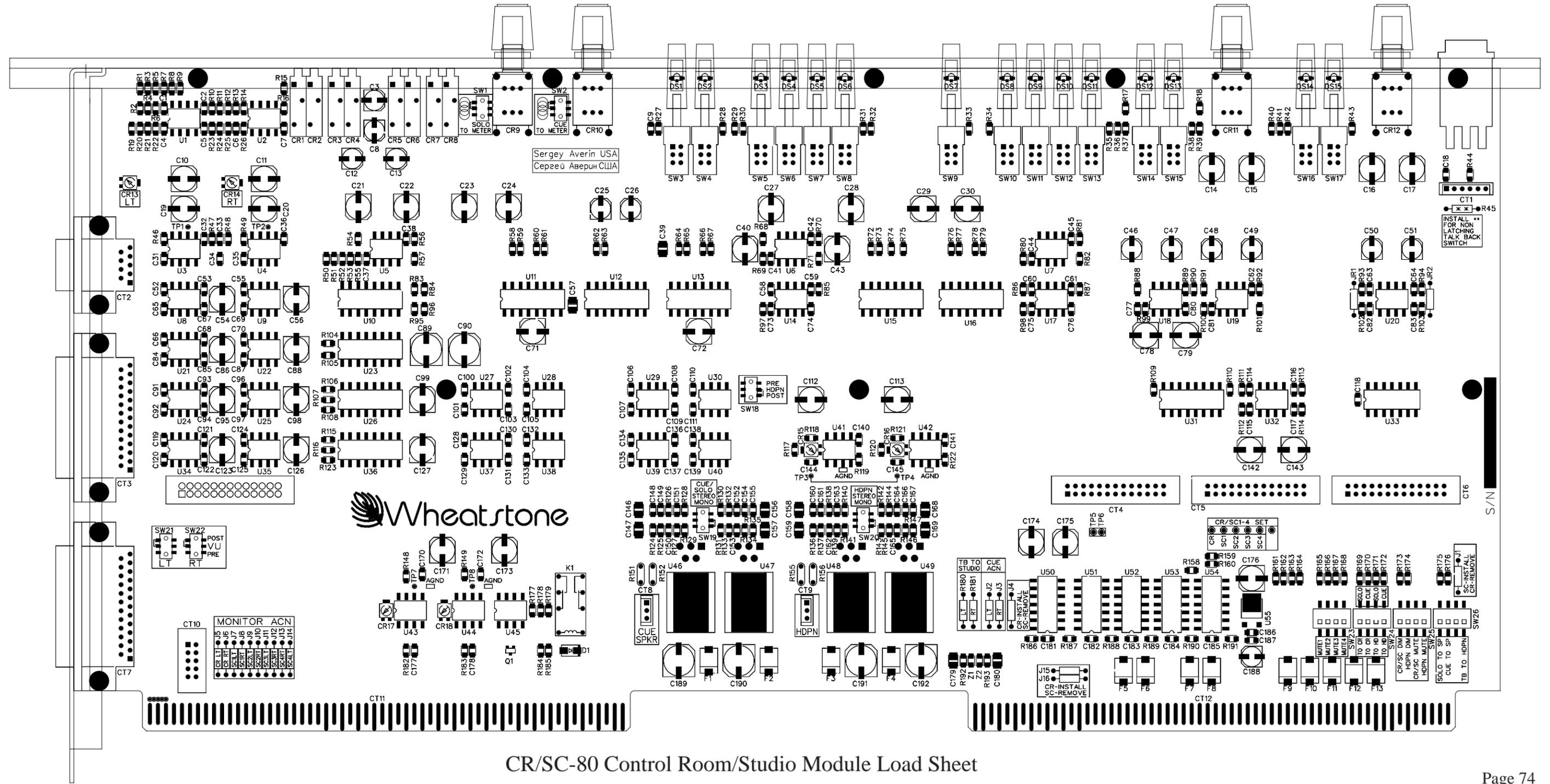
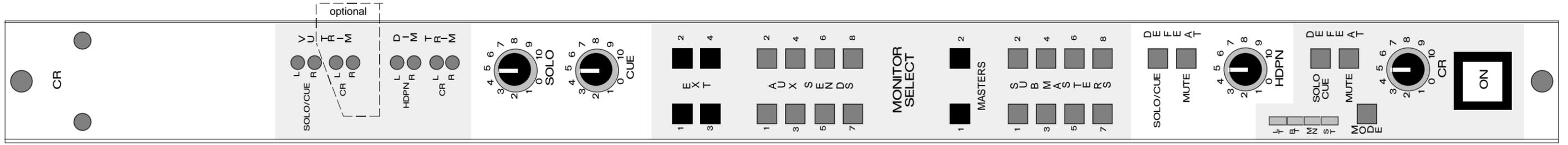
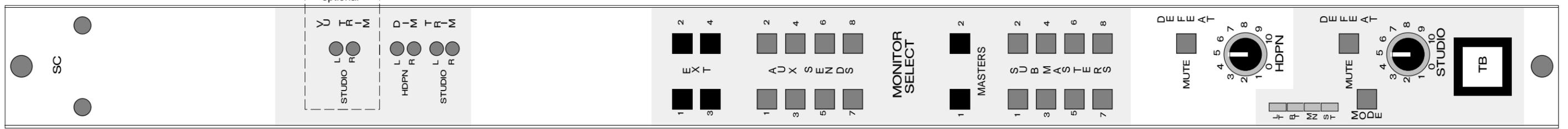
LOWER DB-25 CONNECTOR



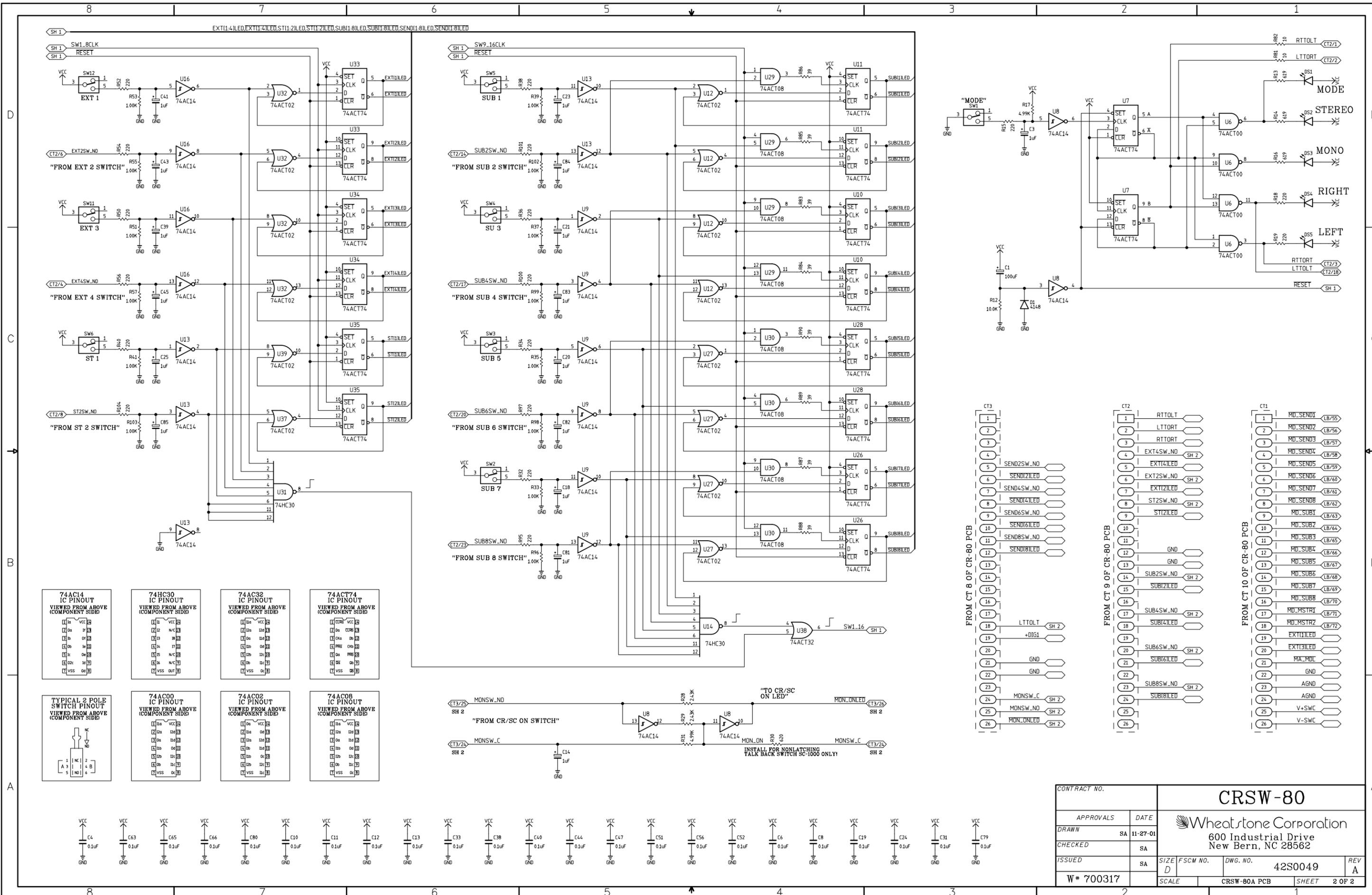
I/O CONNECTORS CHART



CONTRACT NO.		CR/SC-80			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-16-01				
CHECKED	SA	SIZE D	FSCM NO.	DWG. NO. 42S0041	REV C
ISSUED	SA	SCALE	CR-80C PCB	SHEET 4 OF 4	
W# 700316					



CR/SC-80 Control Room/Studio Module Load Sheet



FROM CT 8 OF CR-80 PCB

1	CT3	1	RTTOLT
2	2	2	LTTORT
3	3	3	EXT4SW_NO
4	4	4	EXT2SW_NO
5	5	5	ST2SW_NO
6	6	6	MONSW_NO
7	7	7	MONSW_C
8	8	8	MON_ONLED
9	9	9	GND
10	10	10	GND
11	11	11	SUB8SW_NO
12	12	12	SUB6SW_NO
13	13	13	SUB4SW_NO
14	14	14	SUB2SW_NO
15	15	15	EXT4I2LED
16	16	16	EXT2I2LED
17	17	17	ST2I2LED
18	18	18	SUB8I2LED
19	19	19	SUB6I2LED
20	20	20	SUB4I2LED
21	21	21	SUB2I2LED
22	22	22	MA_MDL
23	23	23	AGND
24	24	24	AGND
25	25	25	V+SWC
26	26	26	V-SWC

FROM CT 9 OF CR-80 PCB

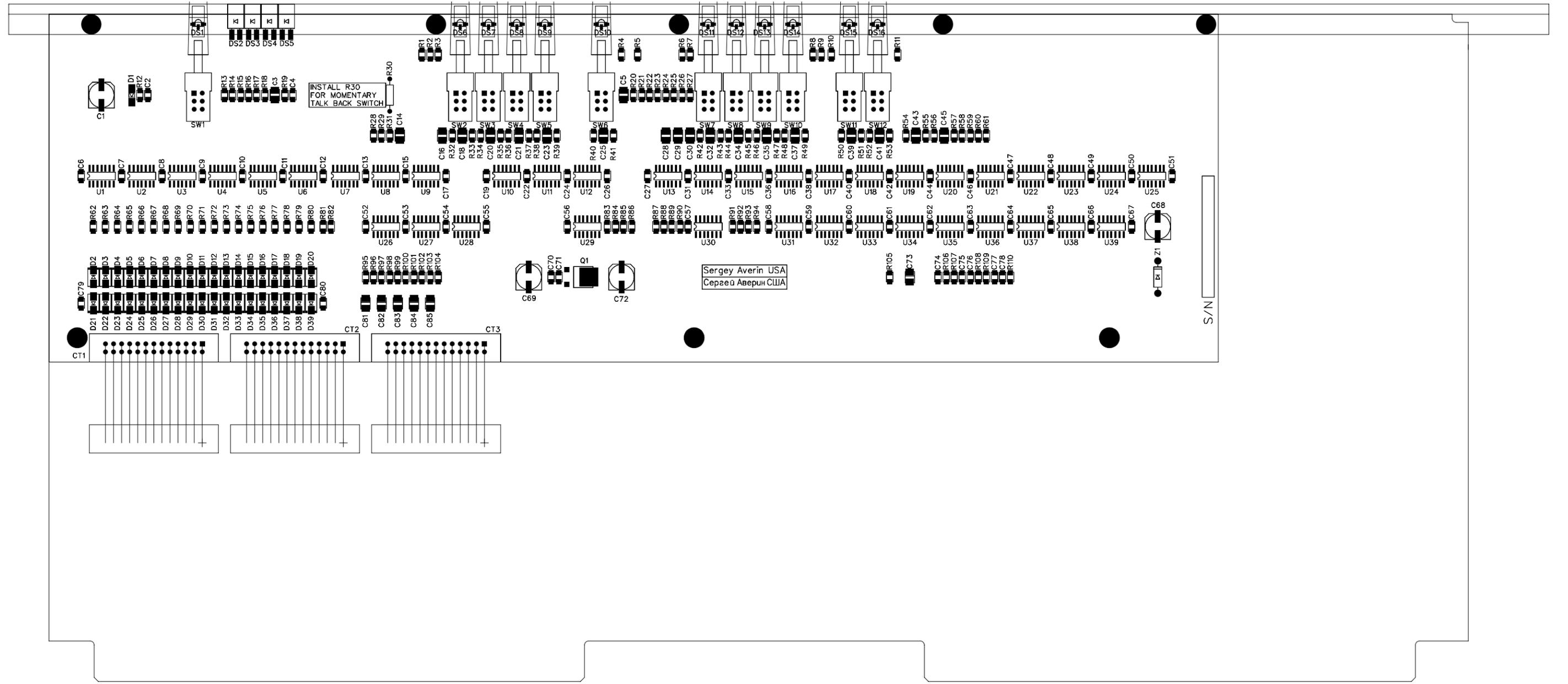
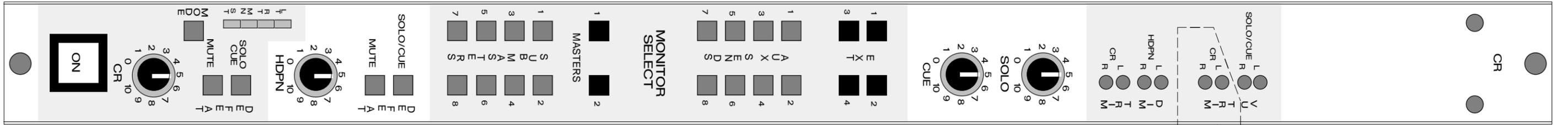
1	1	1	RTTOLT
2	2	2	LTTORT
3	3	3	EXT4SW_NO
4	4	4	EXT2SW_NO
5	5	5	ST2SW_NO
6	6	6	MONSW_NO
7	7	7	MONSW_C
8	8	8	MON_ONLED
9	9	9	GND
10	10	10	GND
11	11	11	SUB8SW_NO
12	12	12	SUB6SW_NO
13	13	13	SUB4SW_NO
14	14	14	SUB2SW_NO
15	15	15	EXT4I2LED
16	16	16	EXT2I2LED
17	17	17	ST2I2LED
18	18	18	SUB8I2LED
19	19	19	SUB6I2LED
20	20	20	SUB4I2LED
21	21	21	SUB2I2LED
22	22	22	MA_MDL
23	23	23	AGND
24	24	24	AGND
25	25	25	V+SWC
26	26	26	V-SWC

FROM CT 10 OF CR-80 PCB

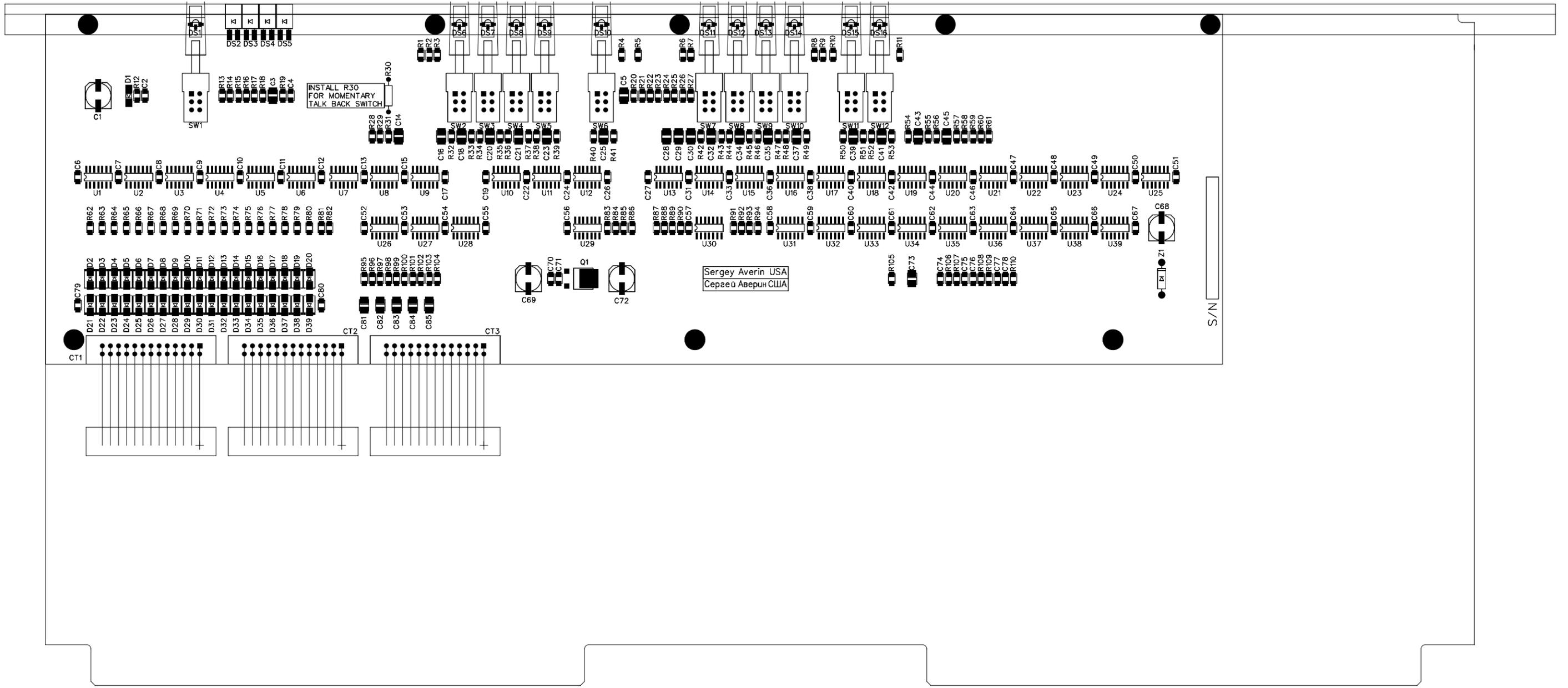
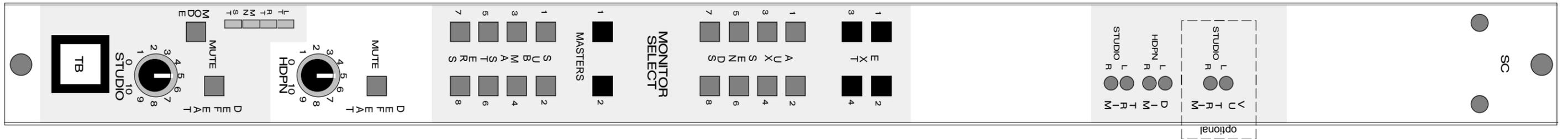
1	1	1	MD_SEND1
2	2	2	MD_SEND2
3	3	3	MD_SEND3
4	4	4	MD_SEND4
5	5	5	MD_SEND5
6	6	6	MD_SEND6
7	7	7	MD_SEND7
8	8	8	MD_SEND8
9	9	9	MD_SUB1
10	10	10	MD_SUB2
11	11	11	MD_SUB3
12	12	12	MD_SUB4
13	13	13	MD_SUB5
14	14	14	MD_SUB6
15	15	15	MD_SUB7
16	16	16	MD_SUB8
17	17	17	MD_MSTR1
18	18	18	MD_MSTR2
19	19	19	EXTI2LED
20	20	20	EXTI3LED
21	21	21	GND
22	22	22	GND
23	23	23	AGND
24	24	24	AGND
25	25	25	V+SWC
26	26	26	V-SWC

CONTRACT NO.		CRSW-80			
APPROVALS	DATE	Wheatstone Corporation			
DRAWN	SA 11-27-01	600 Industrial Drive			
CHECKED	SA	New Bern, NC 28562			
ISSUED	SA	SIZE	FSCM NO.	DWG. NO.	REV
W # 700317		D		42S0049	A
		SCALE	CRSW-80A PCB	SHEET	2 OF 2

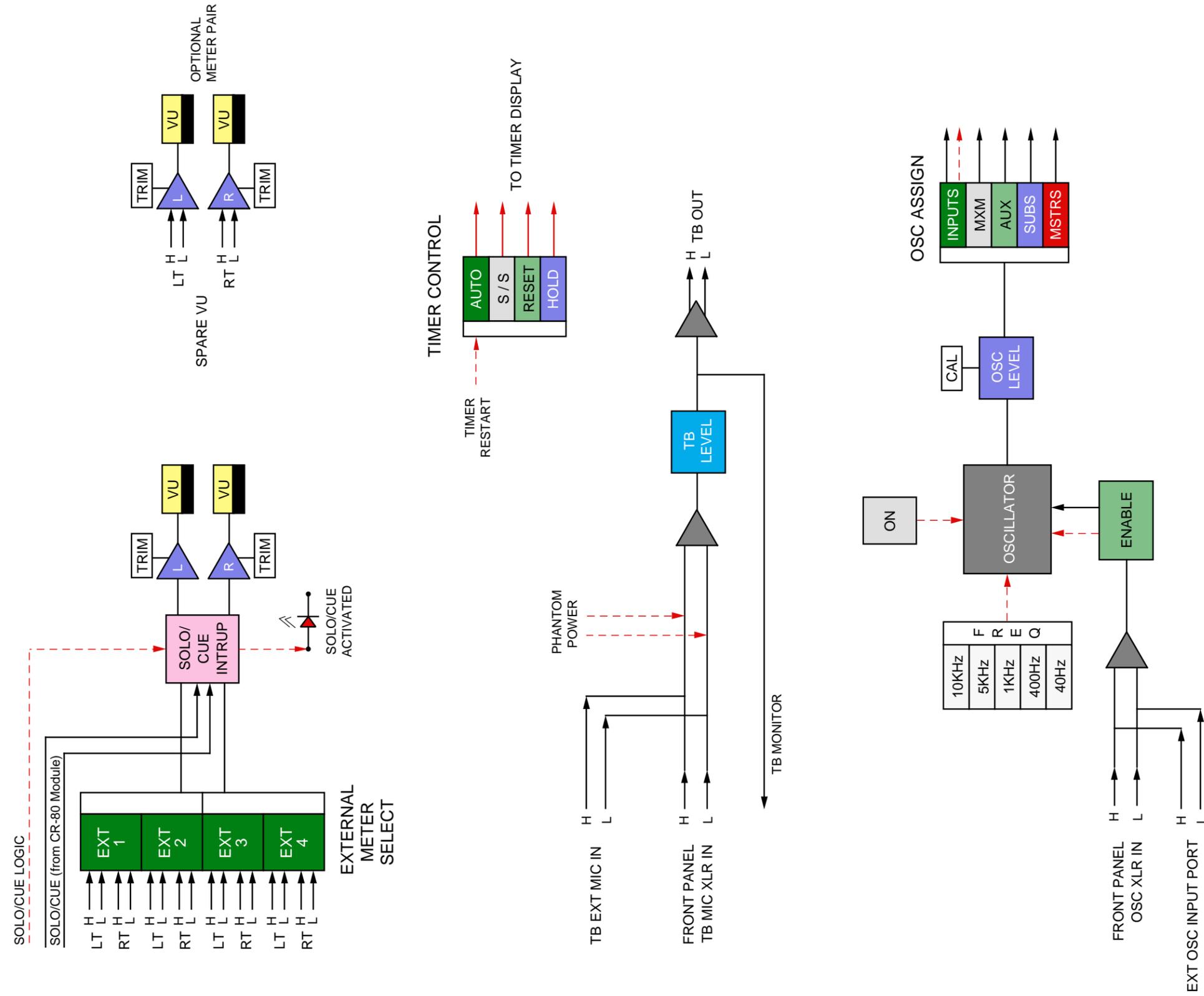
CR/SC-80 Control Room/Studio Module Schematic - Sheet 6 of 6



CR-80 Control Room Module Switch Card Load Sheet

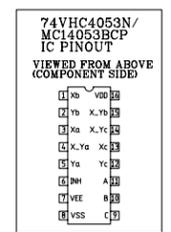
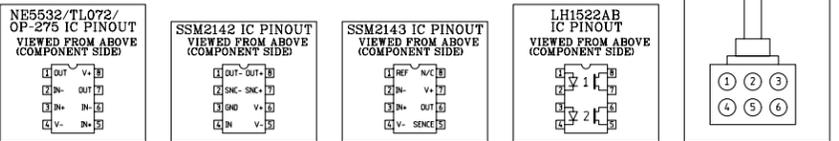
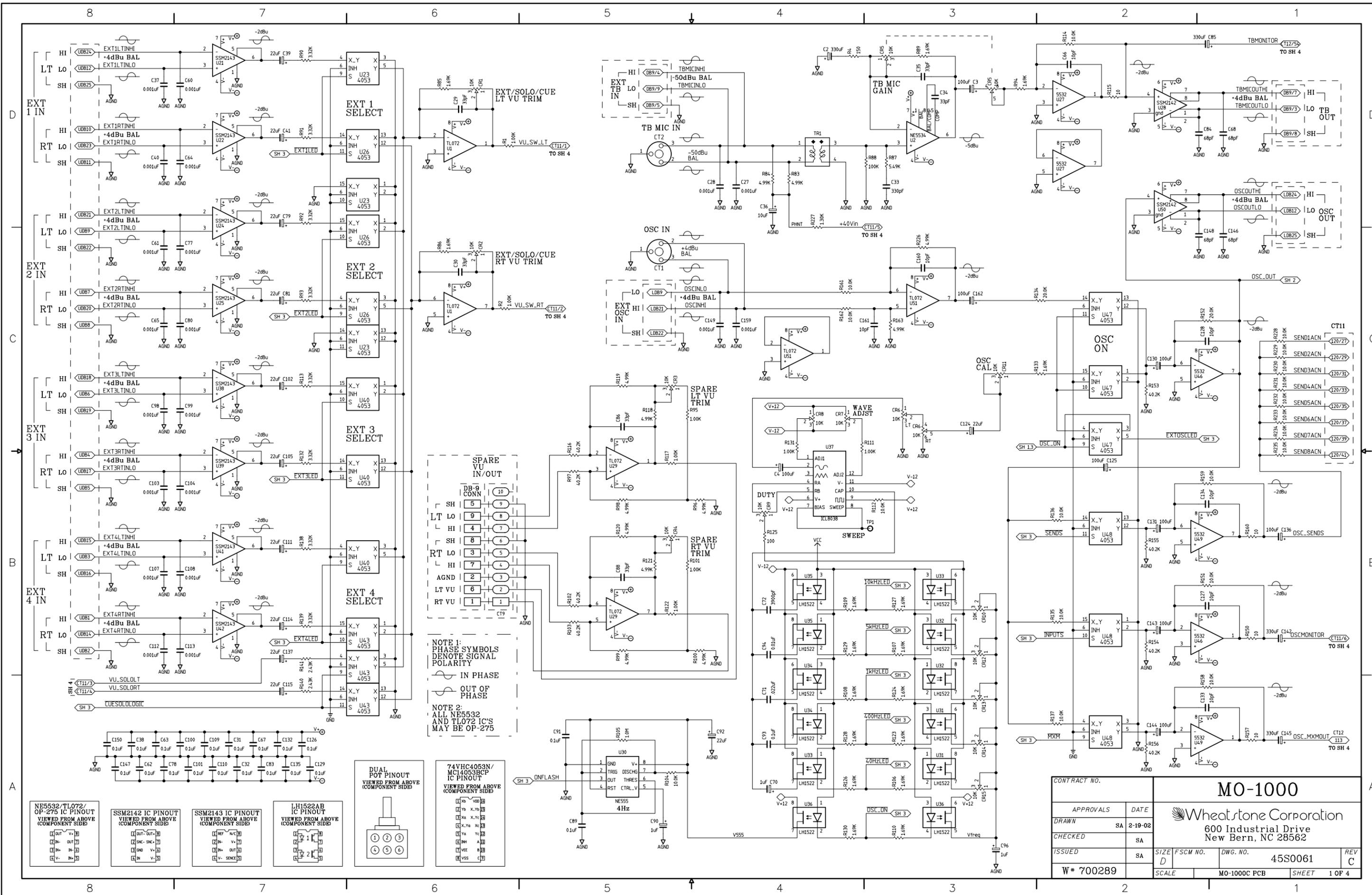


SC-80 Studio Monitor Module Switch Card Load Sheet



TV-80
VU/OSCILLATOR
MODULE SIGNAL FLOW DIAGRAM

ALL SWITCHING IS ELECTRONIC
w/LED ILLUMINATION

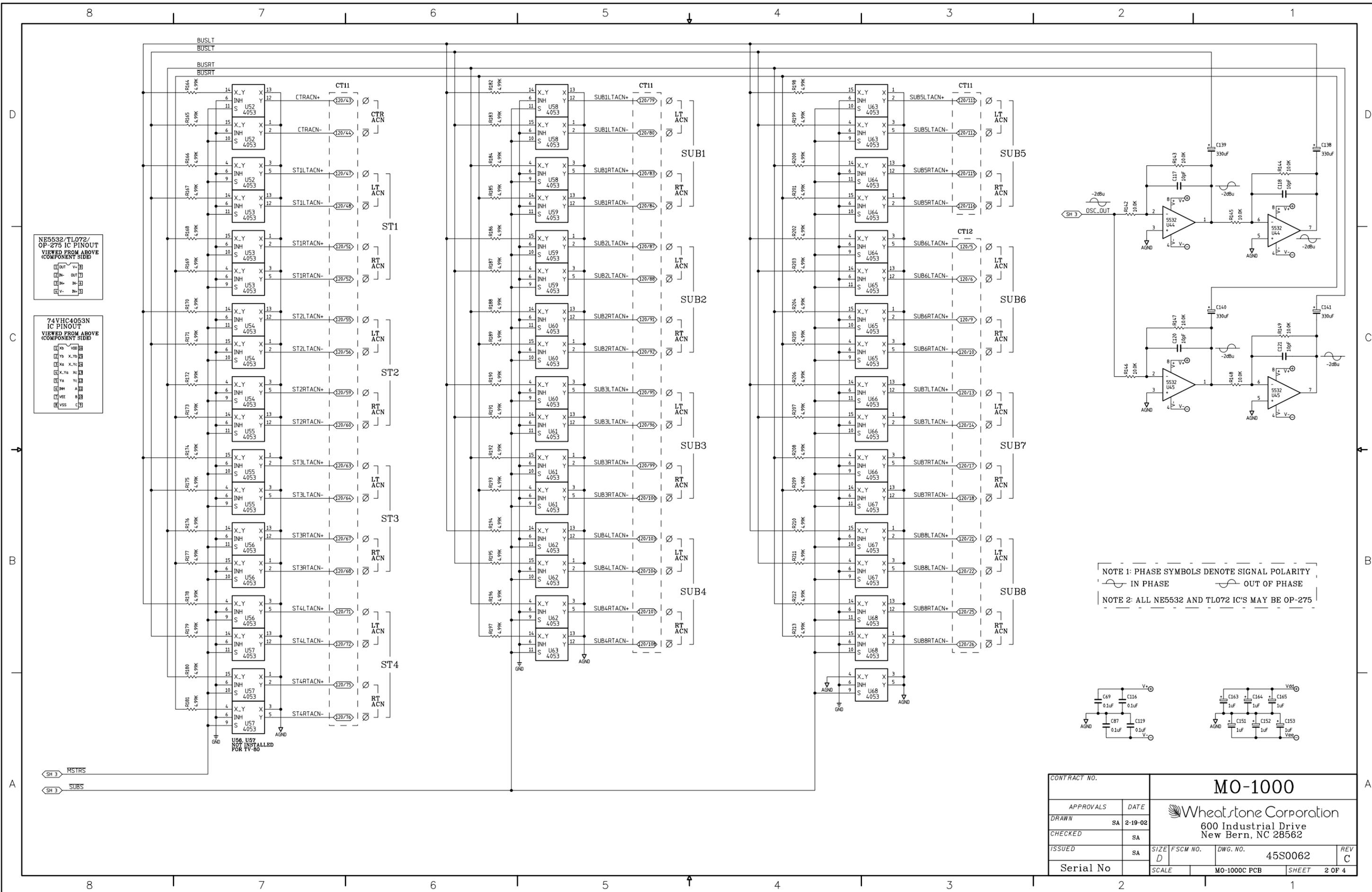


NOTE 1:
PHASE SYMBOLS DENOTE SIGNAL POLARITY

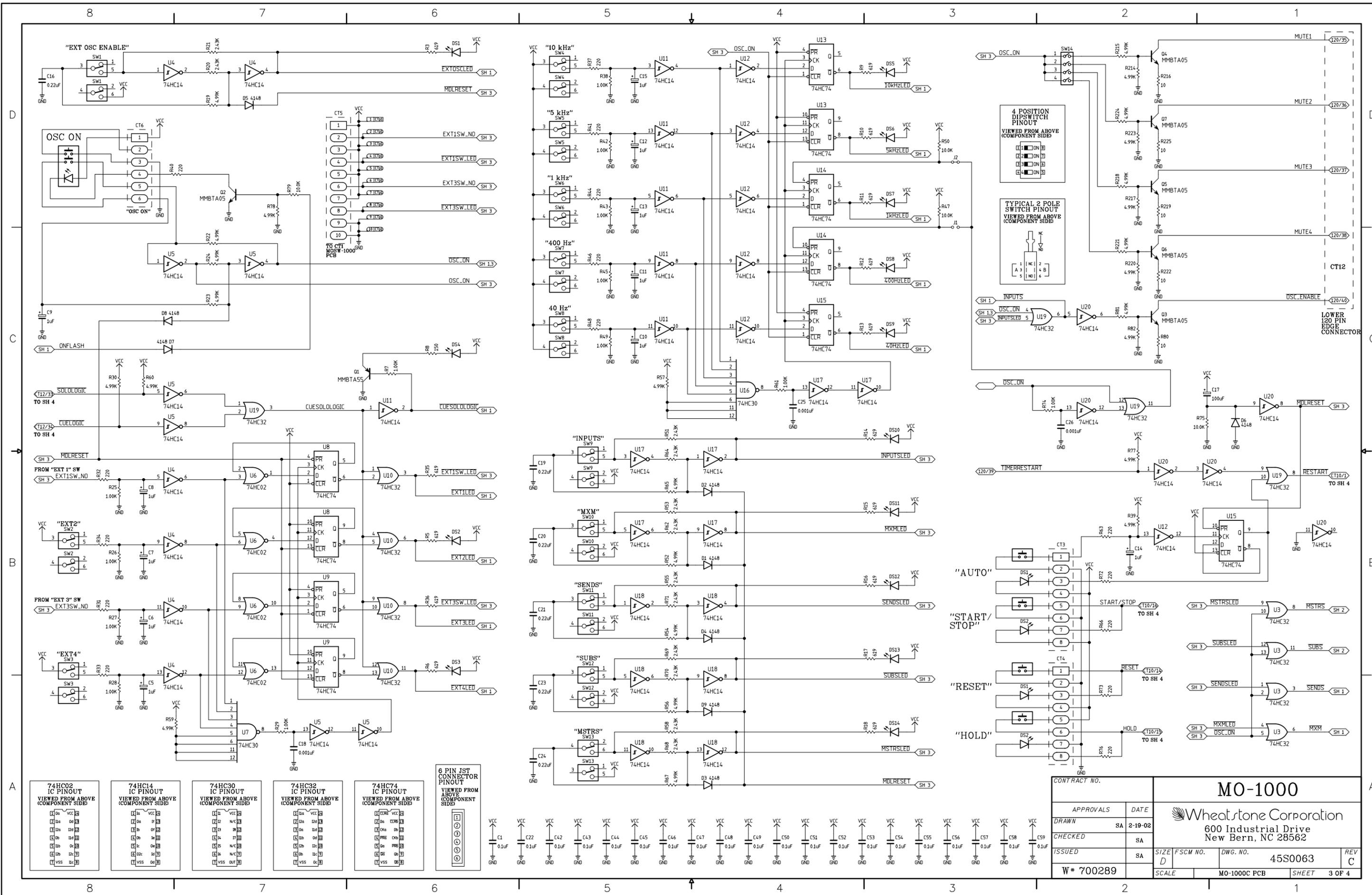
NOTE 2:
ALL NE5532 AND TL072 IC'S MAY BE OP-275

CONTRACT NO.		MO-1000	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN	SA 2-19-02	600 Industrial Drive	
CHECKED	SA	New Bern, NC 28562	
ISSUED	SA	SIZE FSCM NO.	DWG. NO. 45S0061
W# 700289	SCALE	MO-1000C PCB	SHEET 1 OF 4

VO-1000 Meter Output Module Schematic - Sheet 1 of 4

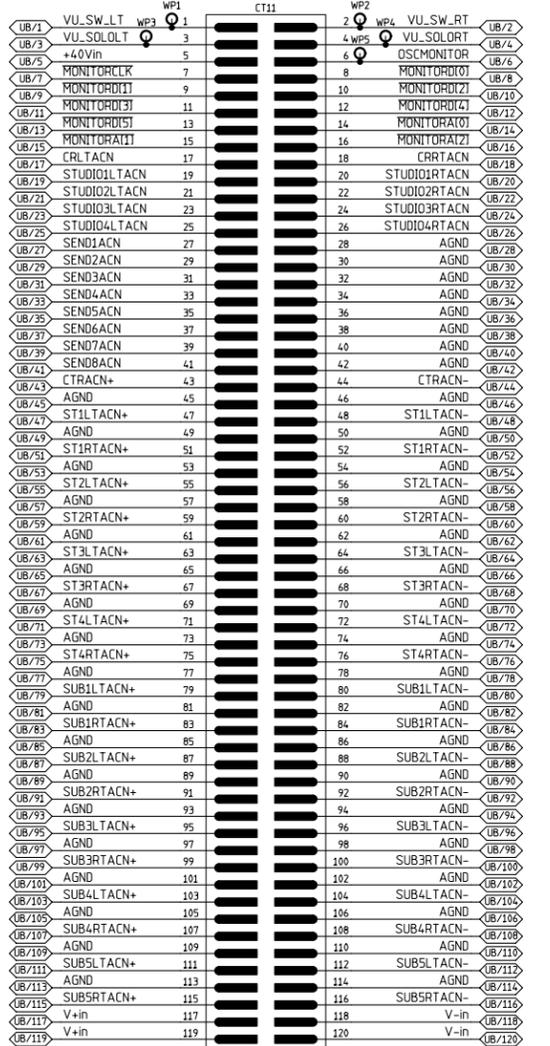


VO-1000 Meter Output Module Schematic - Sheet 2 of 4

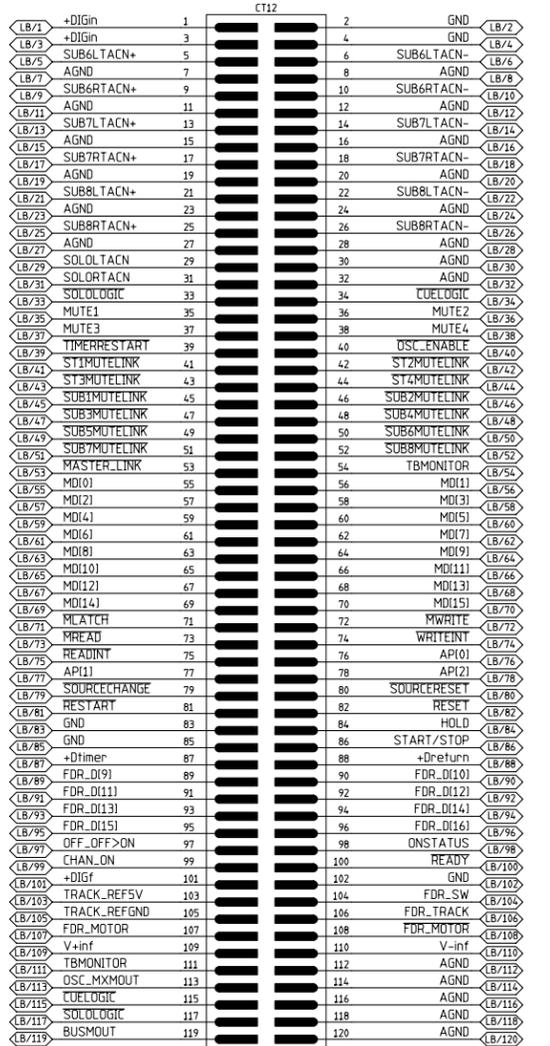


VO-1000 Meter Output Module Schematic - Sheet 3 of 4

UPPER 120 PIN EDGE CONNECTOR

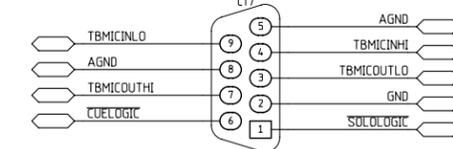


LOWER 120 PIN EDGE CONNECTOR

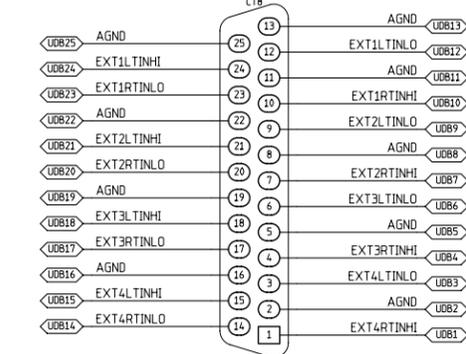


EDGE CONNECTORS BUSS CHART

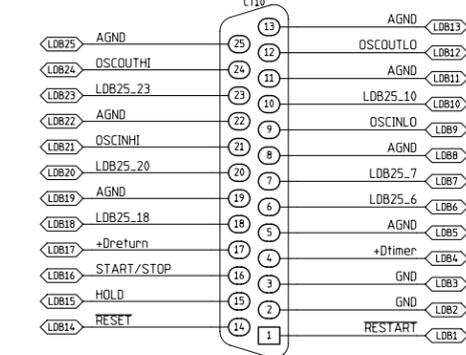
UPPER DB-9 CONNECTOR



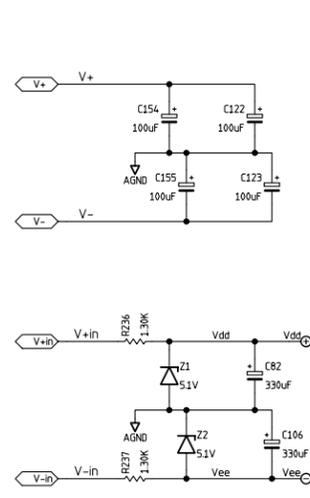
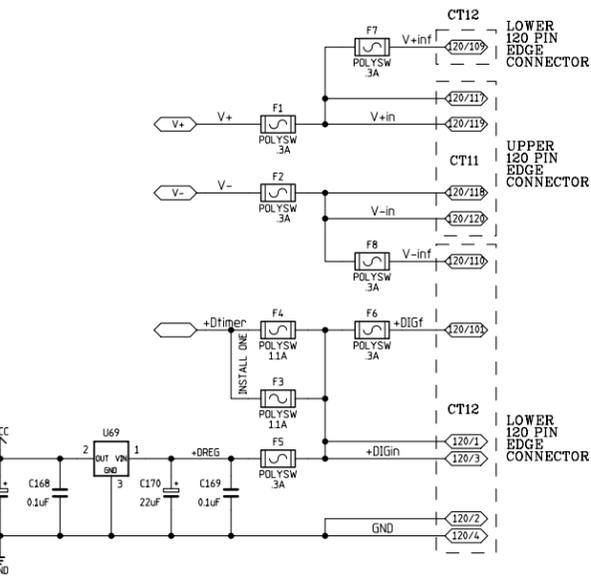
UPPER DB-25 CONNECTOR

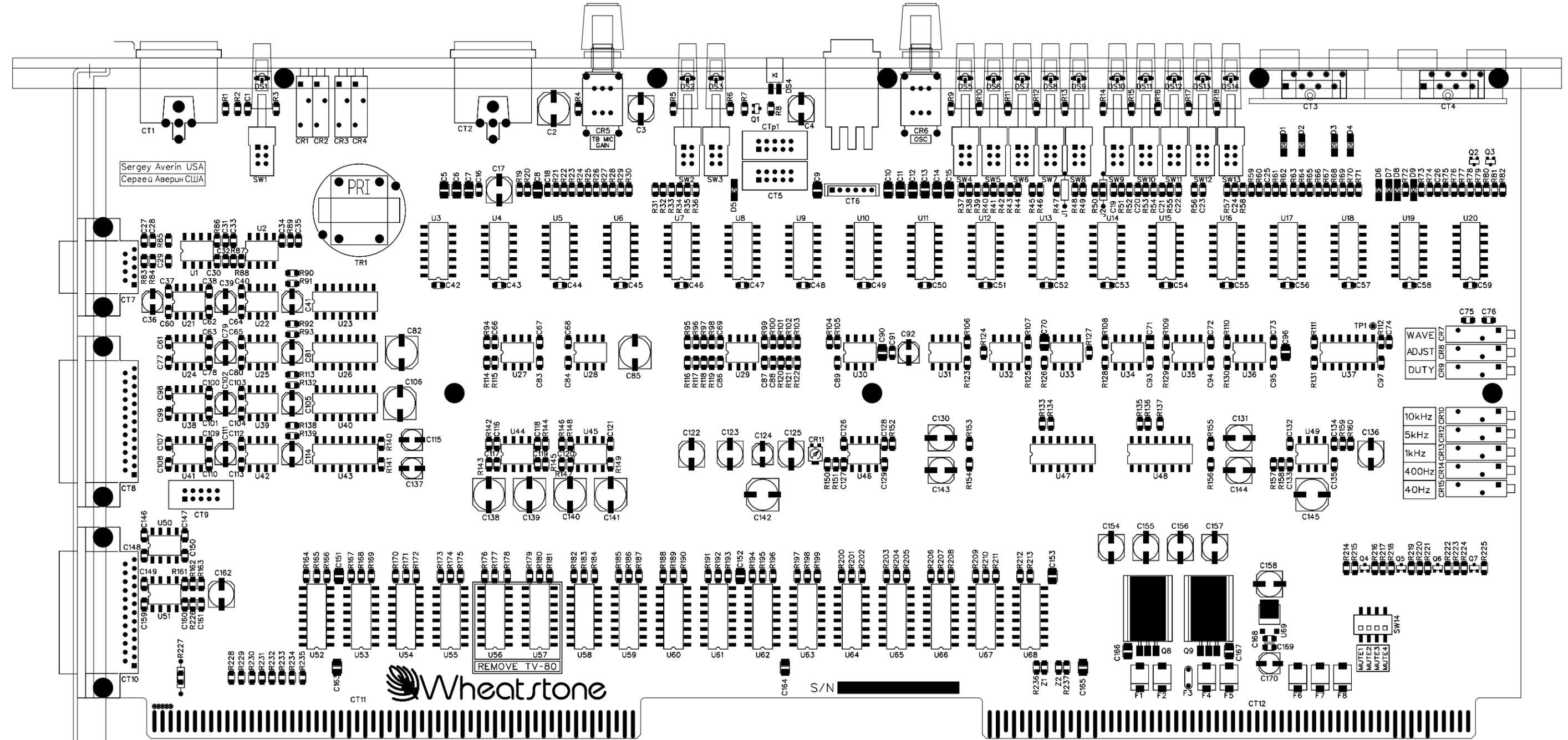
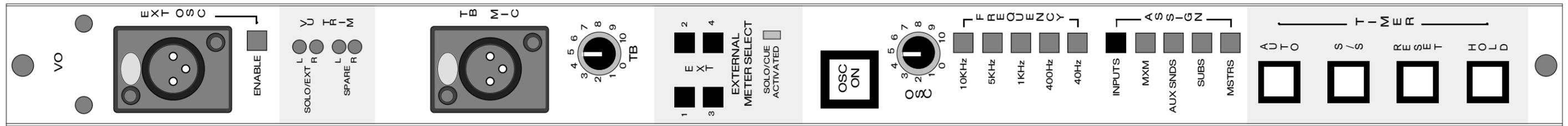


LOWER DB-25 CONNECTOR

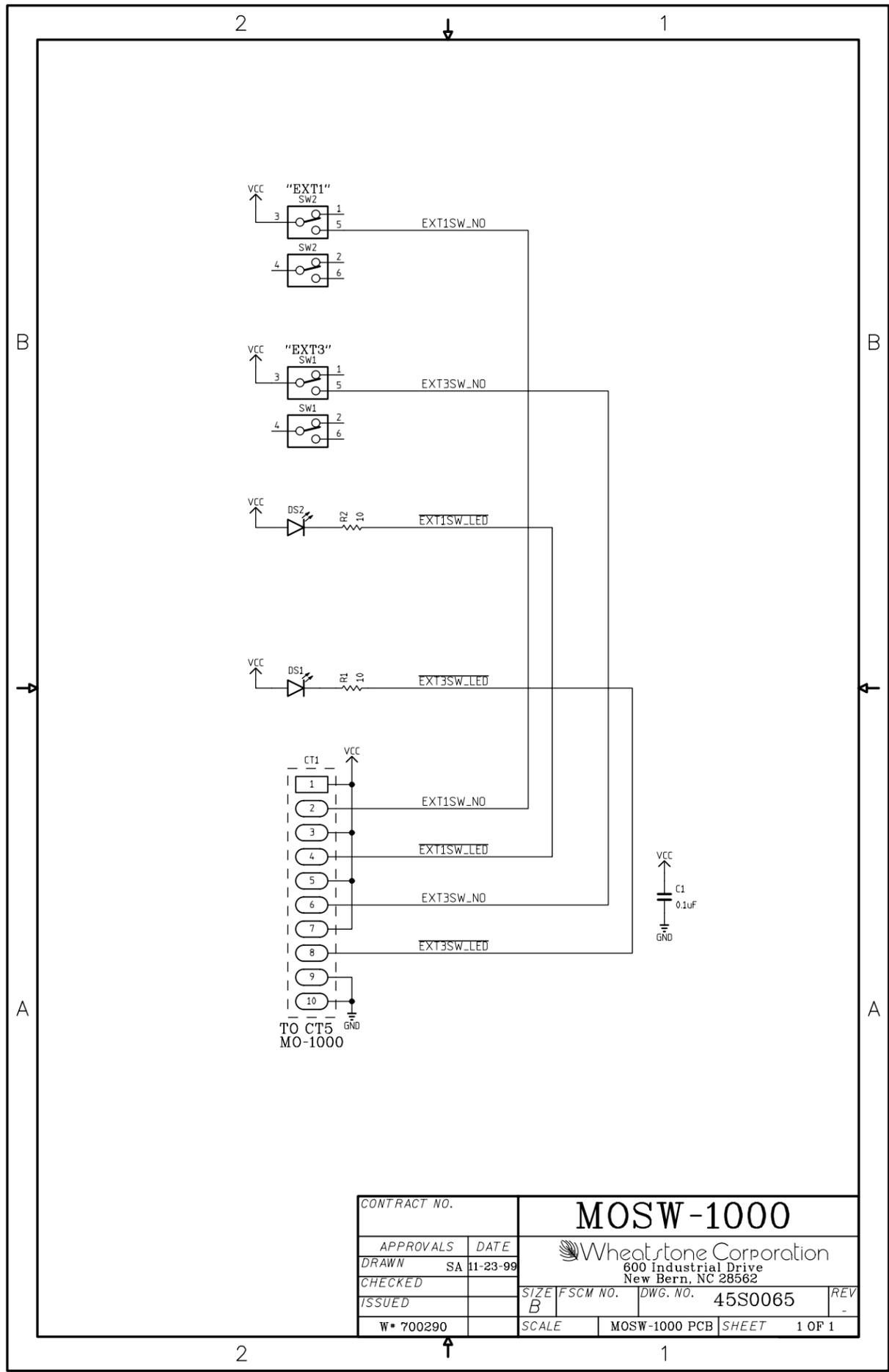


I/O CONNECTORS CHART



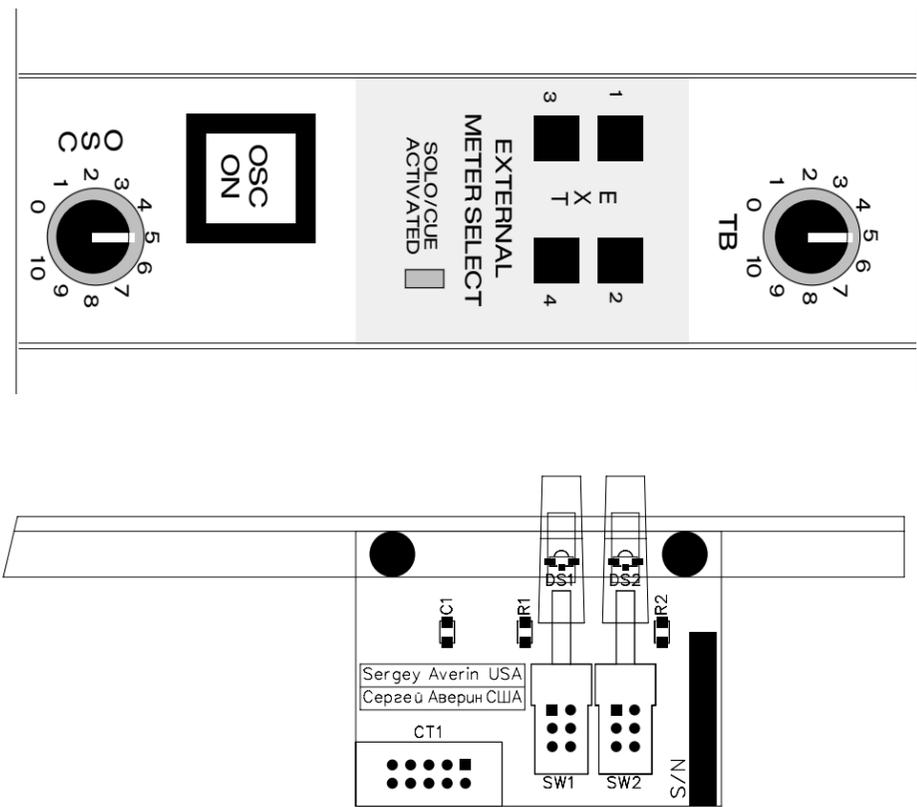


VO-80 Meter Output Module Load Sheet



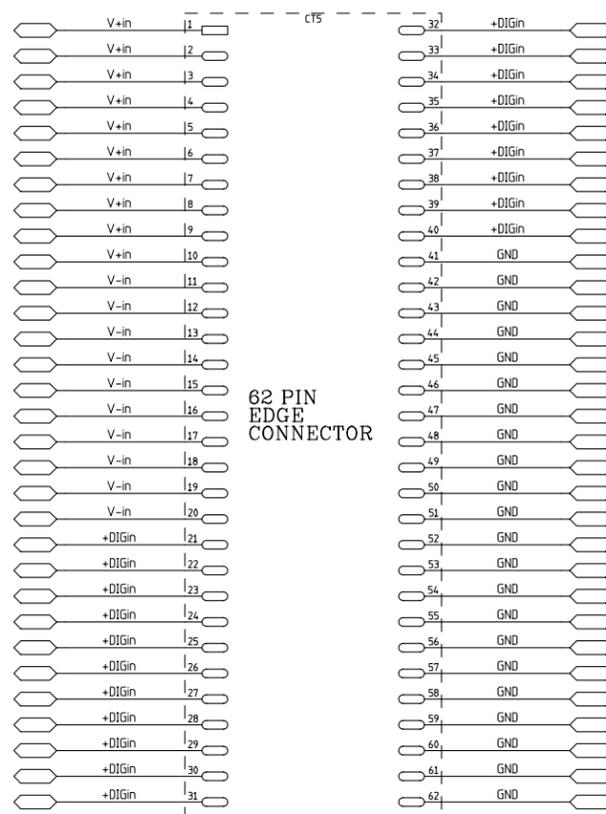
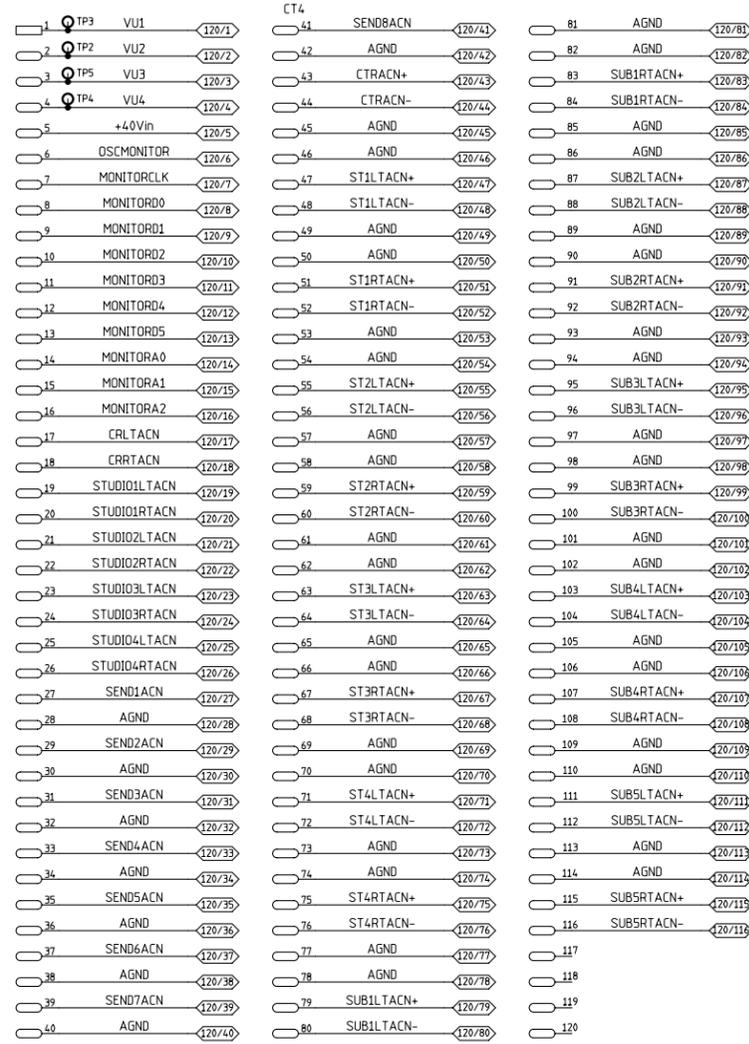
CONTRACT NO.		MOSW-1000			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-23-99				
CHECKED		SIZE	FSCM NO.	DWG. NO.	REV
ISSUED		B		45S0065	-
W* 700290		SCALE	MOSW-1000 PCB	SHEET	1 OF 1

Meter Module Switch Card Schematic - Sheet 1 of 1

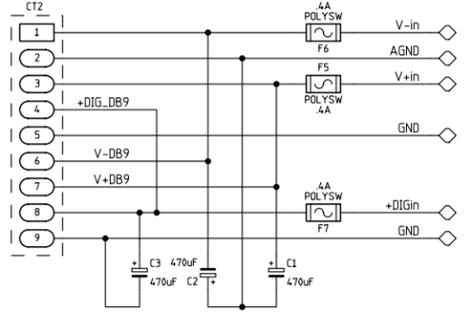
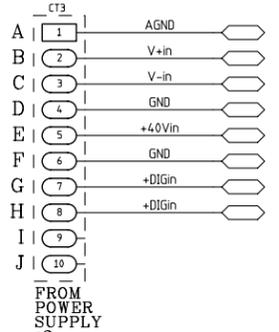
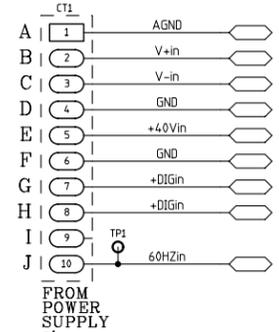
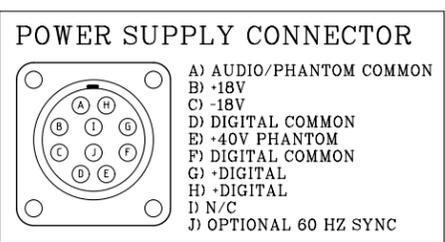
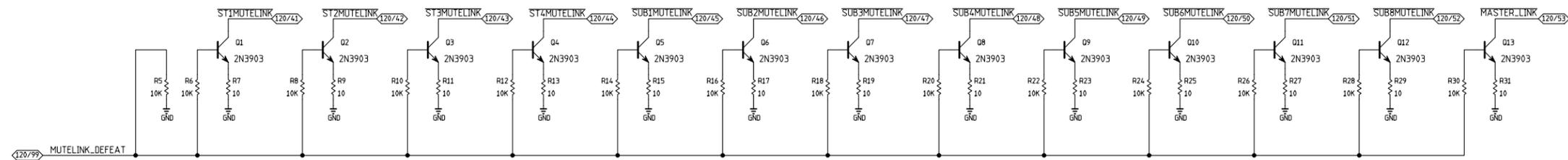
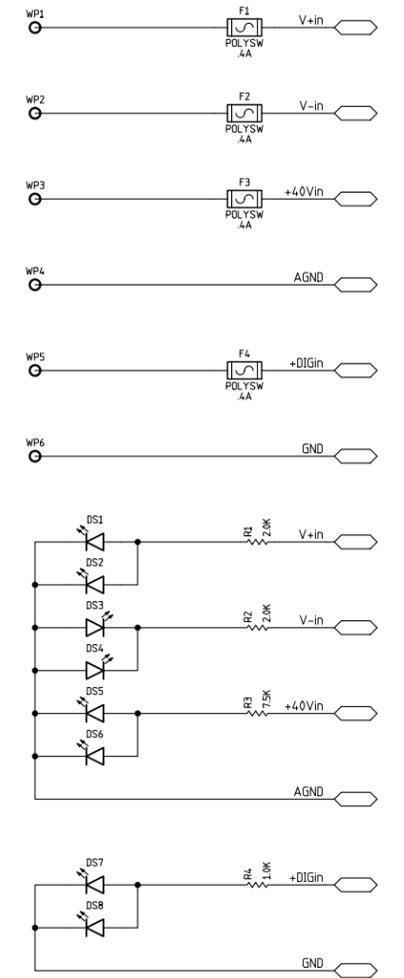
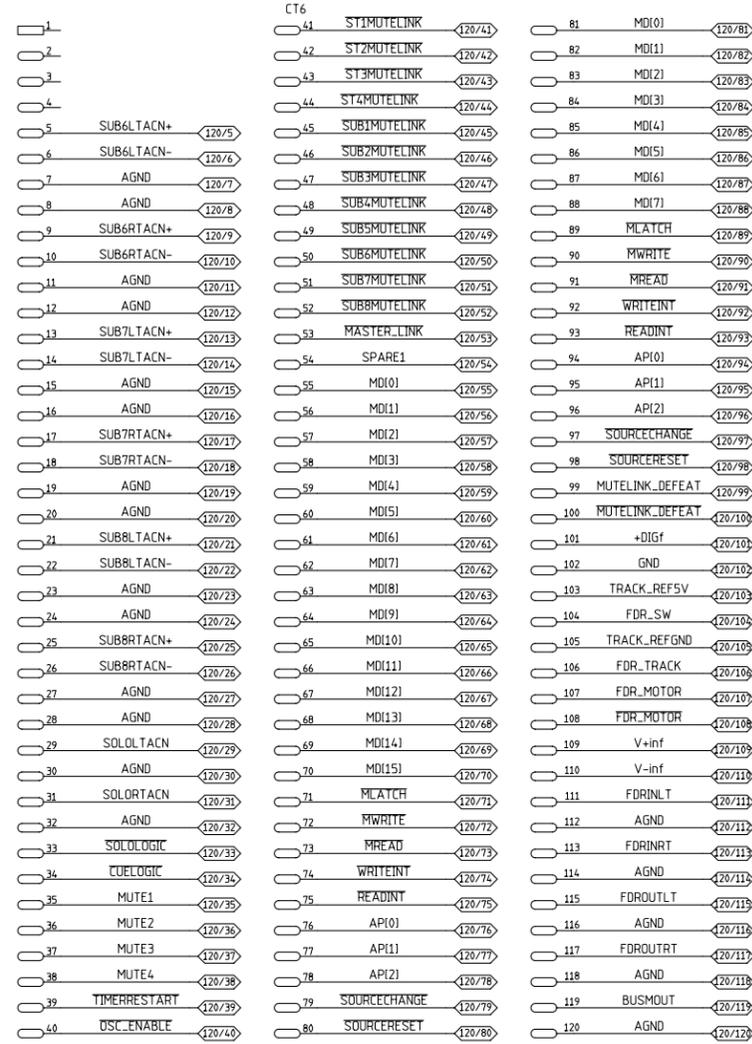


EDGE CONNECTORS BUSS CHART

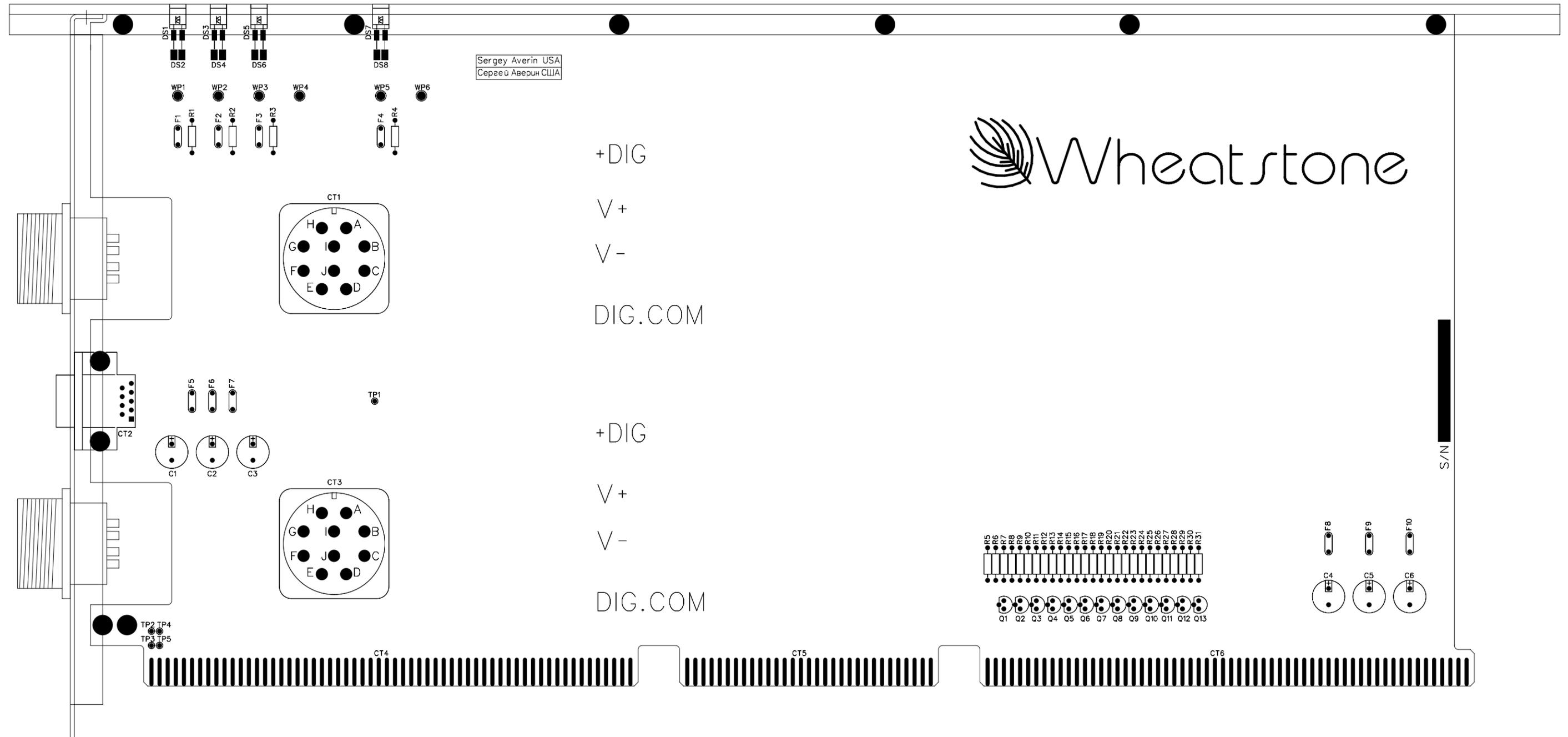
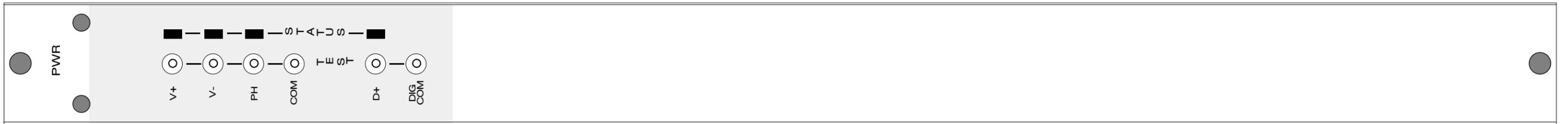
UPPER 120 PIN EDGE CONNECTOR



LOWER 120 PIN EDGE CONNECTOR



CONTRACT NO.		PWI-80	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN SA	7-31-01	600 Industrial Drive	
CHECKED		New Bern, NC 28562	
ISSUED		SIZE D	FSCM NO. 42S00XX
W# 700323		SCALE	PWI-80 PCB SHEET 1 OF 1



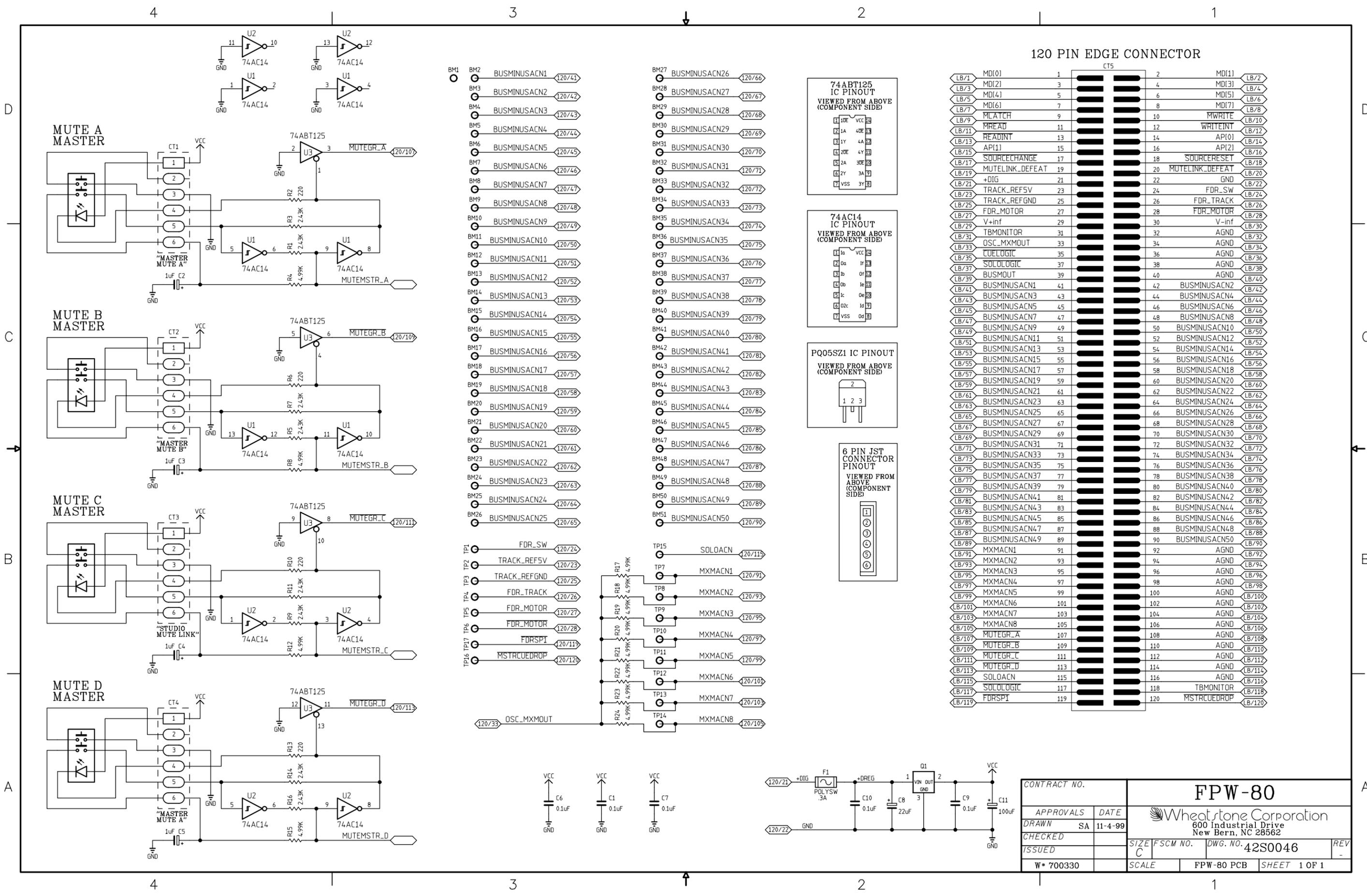
Sergey Averin USA
Сергей Аверин США



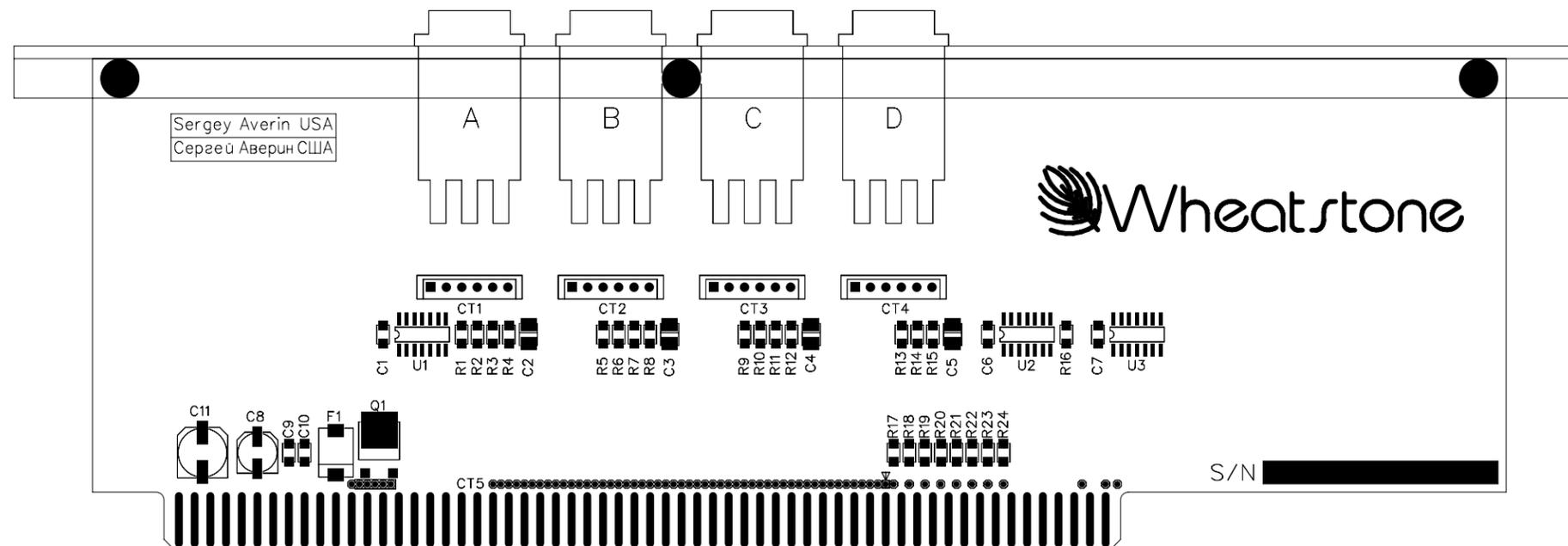
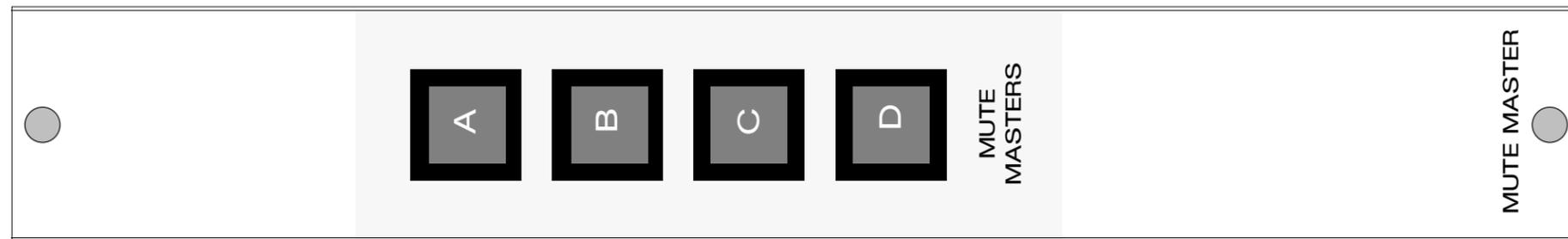
+DIG
V+
V-
DIG.COM

+DIG
V+
V-
DIG.COM

S/N



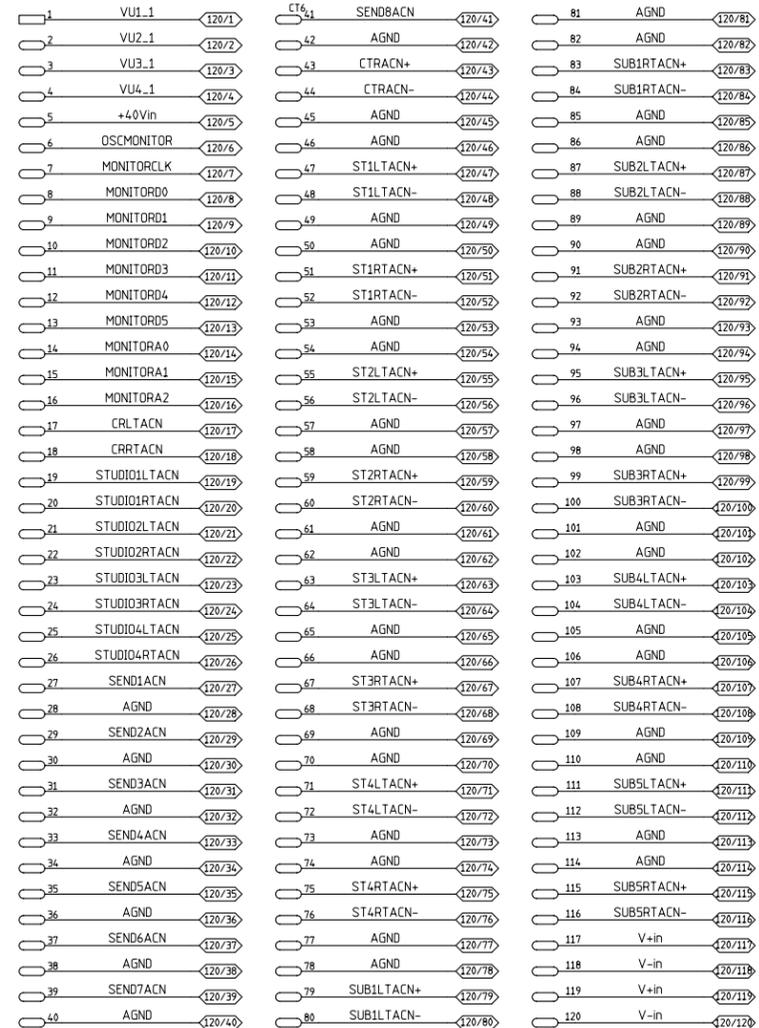
Fader Panel Mute Master Schematic - Sheet 1 of 1



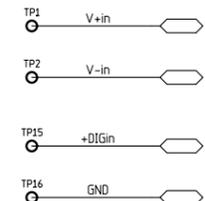
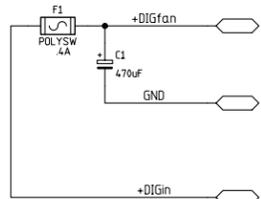
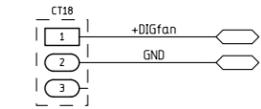
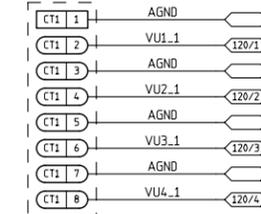
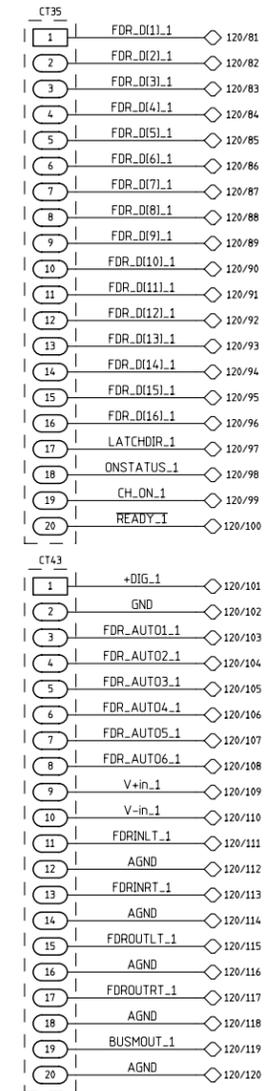
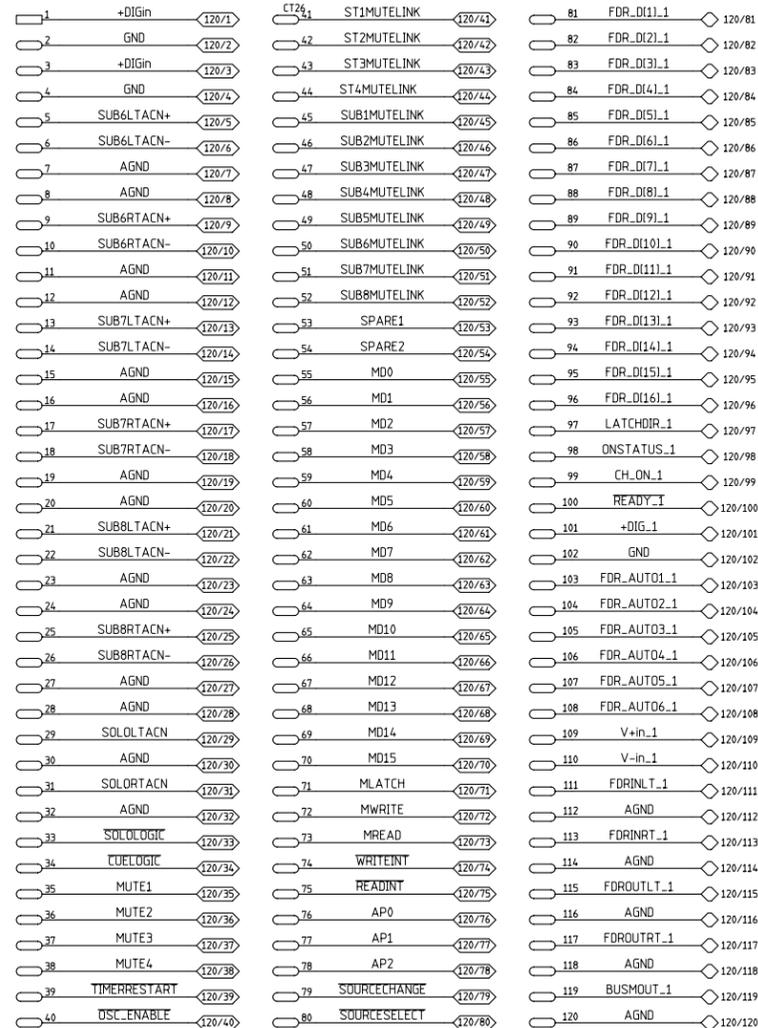
Fader Panel Mute Master Module Load Sheet

EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



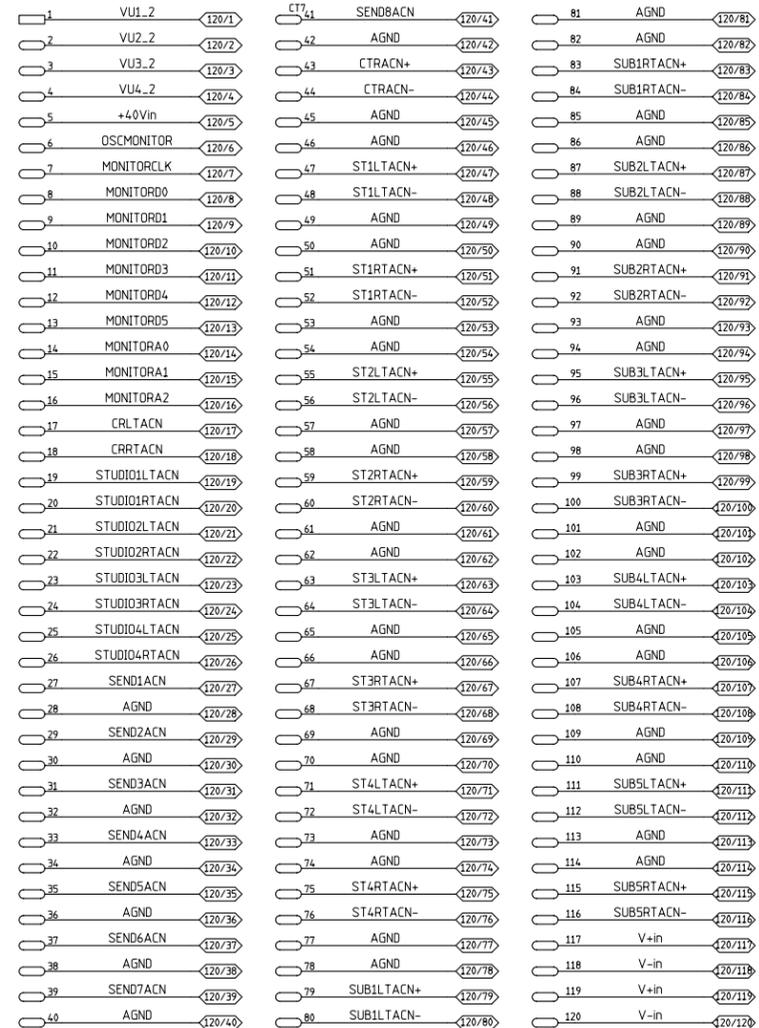
120 PIN EDGE CONNECTOR



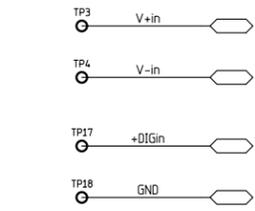
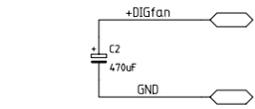
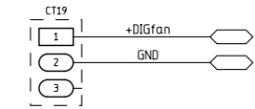
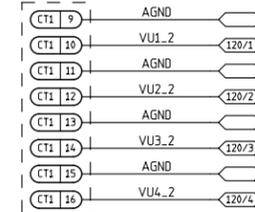
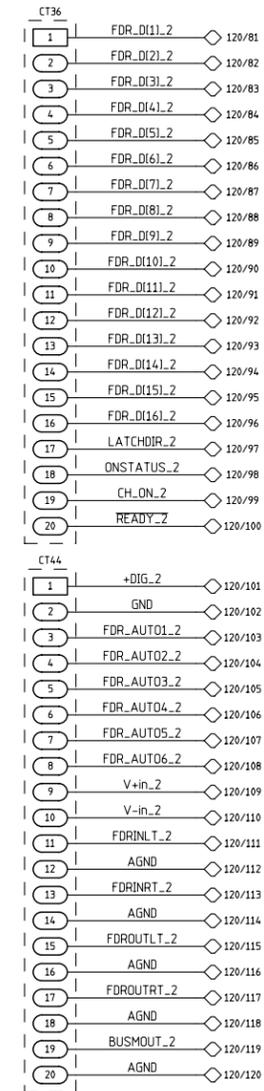
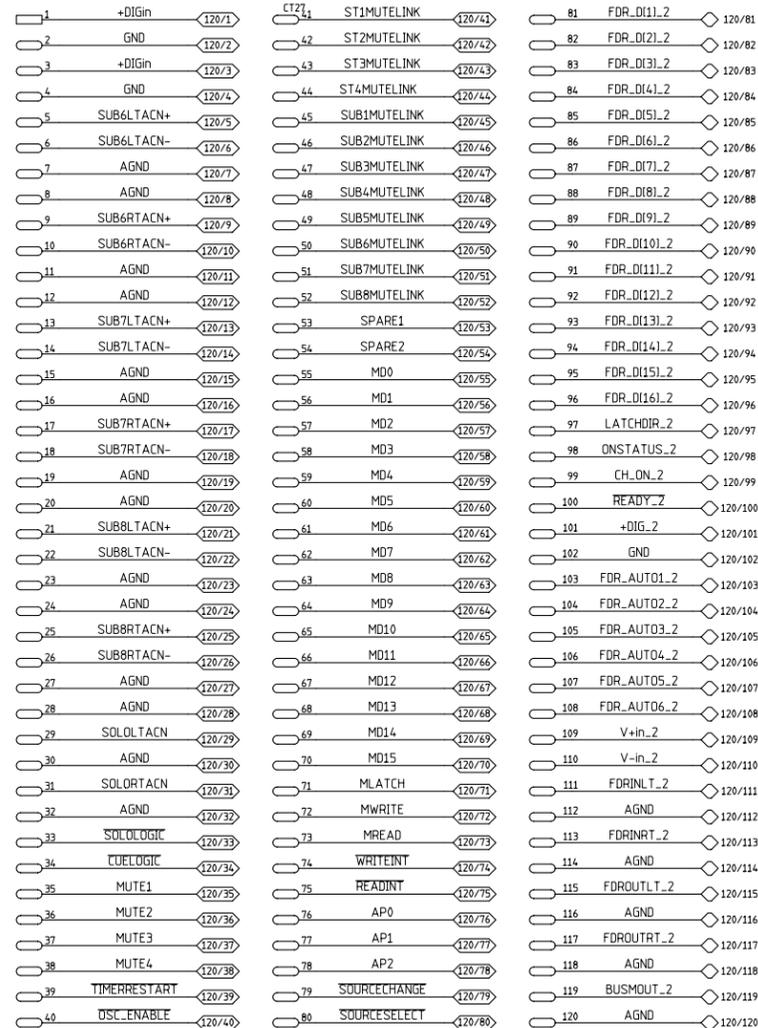
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DRAWN	SA 9-28-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0020A	REV
W# 700267		SCALE	MBM-1000A PCB	SHEET 1 OF 10	

EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



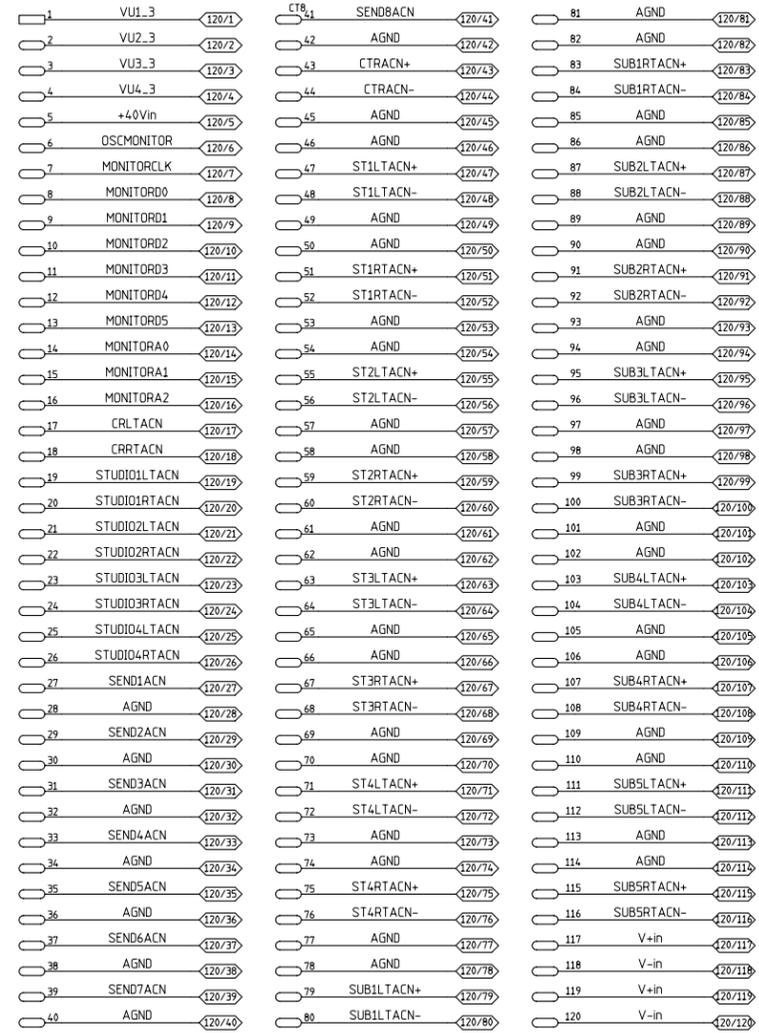
120 PIN EDGE CONNECTOR



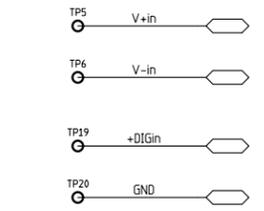
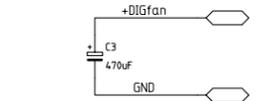
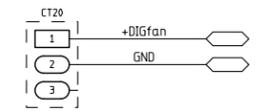
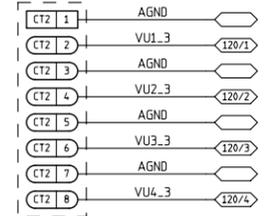
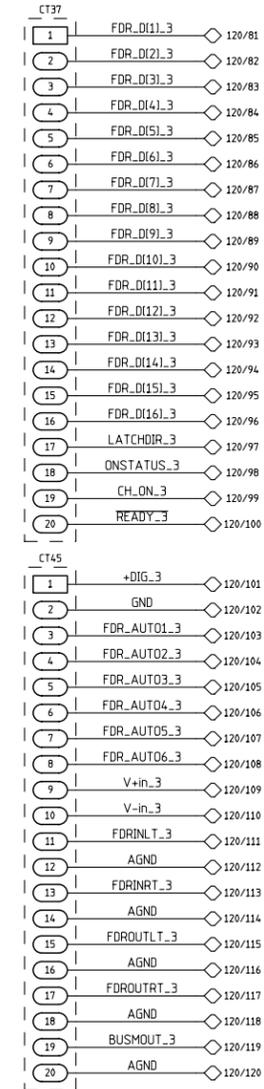
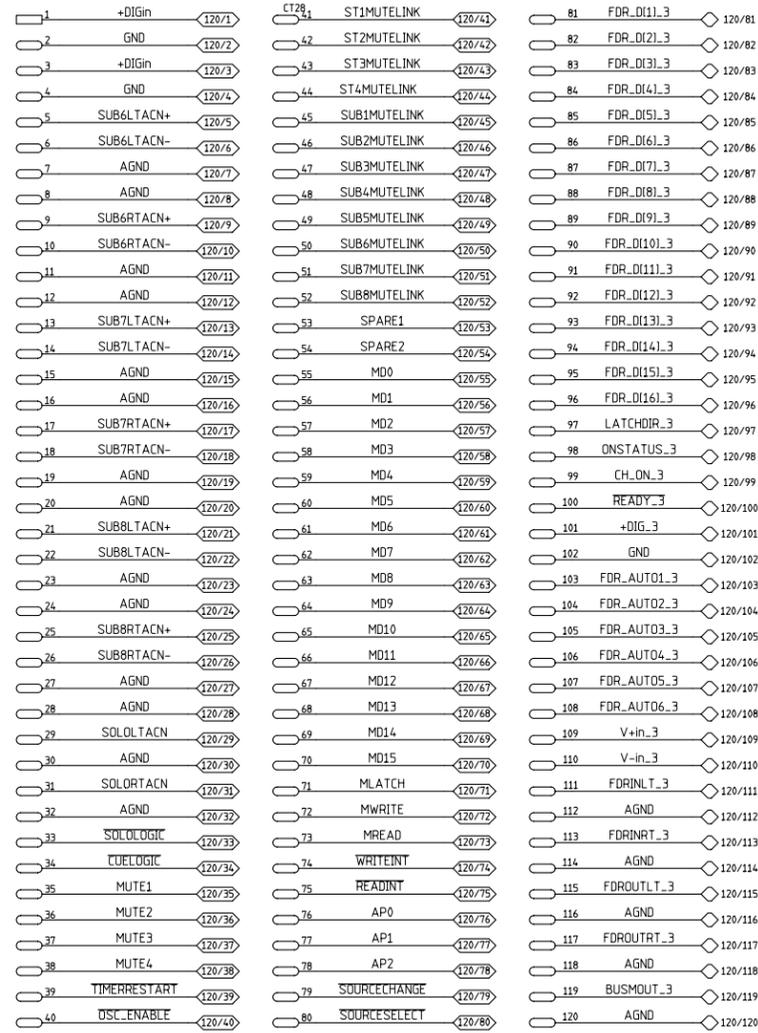
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DRAWN	SA 9-28-99				
CHECKED					
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W# 700267		D		45S0021A	
SCALE		MBM-1000A PCB		SHEET 2 OF 10	

EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



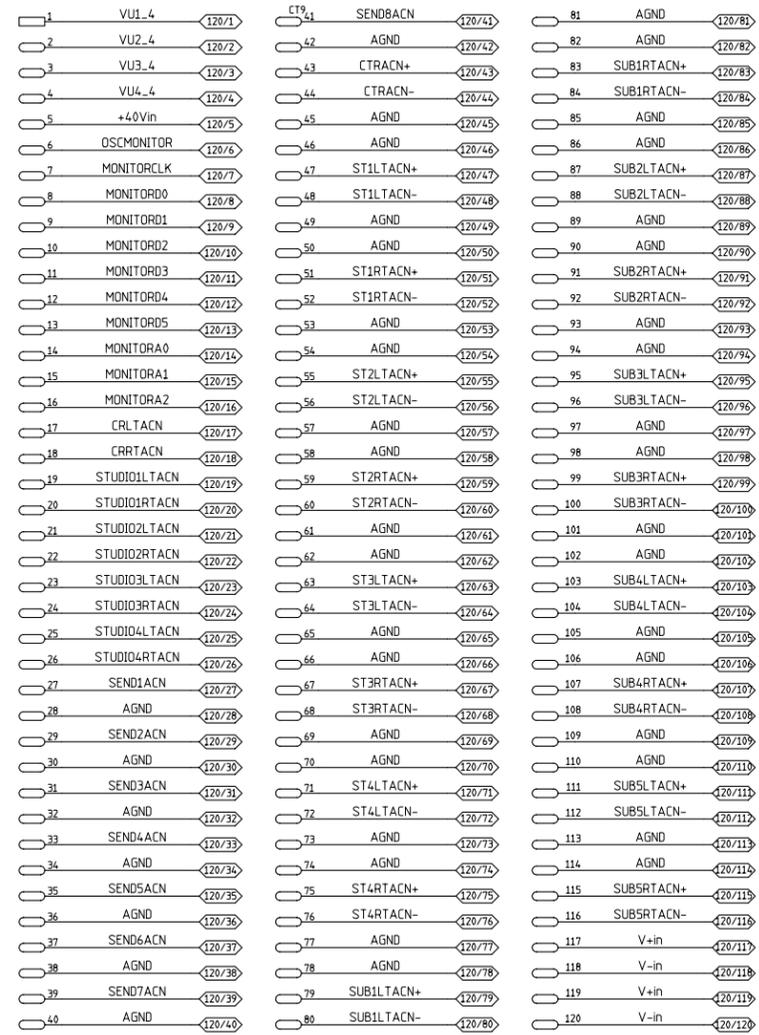
120 PIN EDGE CONNECTOR



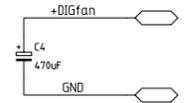
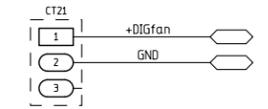
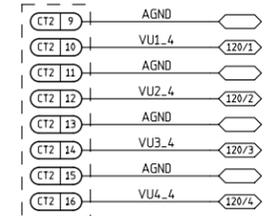
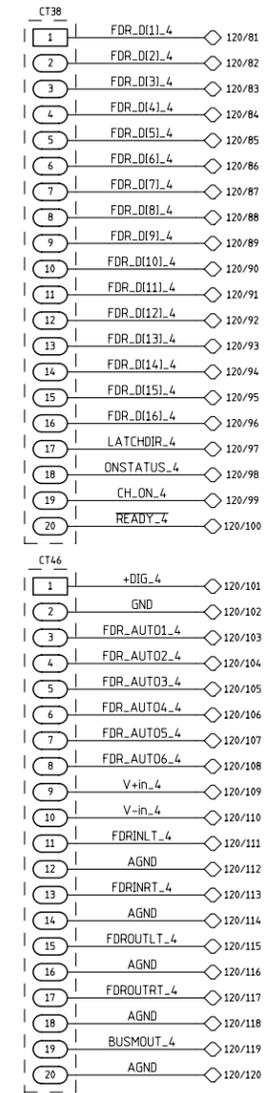
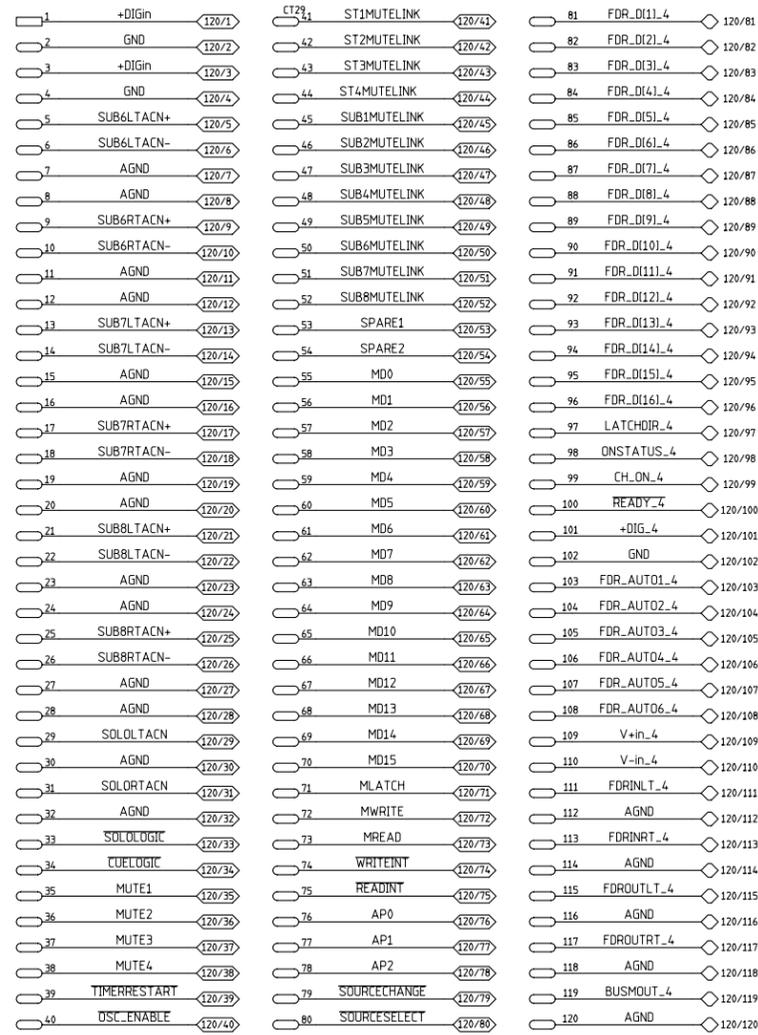
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DRAWN	SA 9-28-99				
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EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



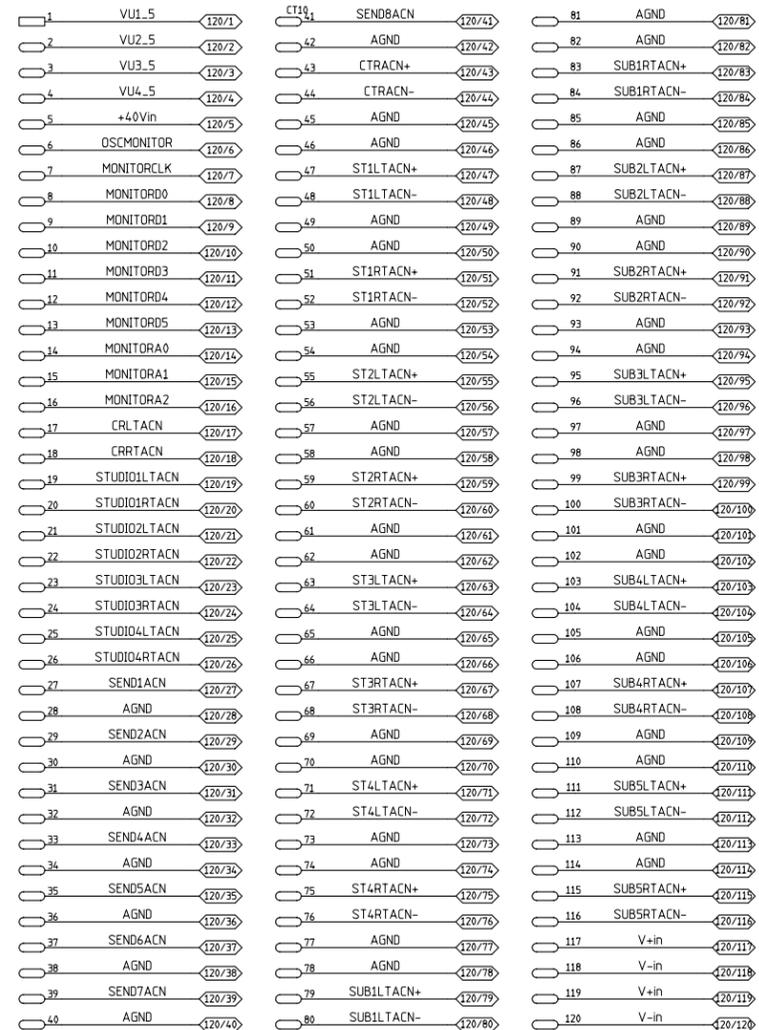
120 PIN EDGE CONNECTOR



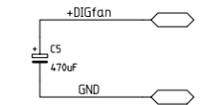
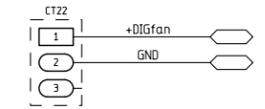
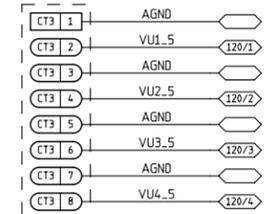
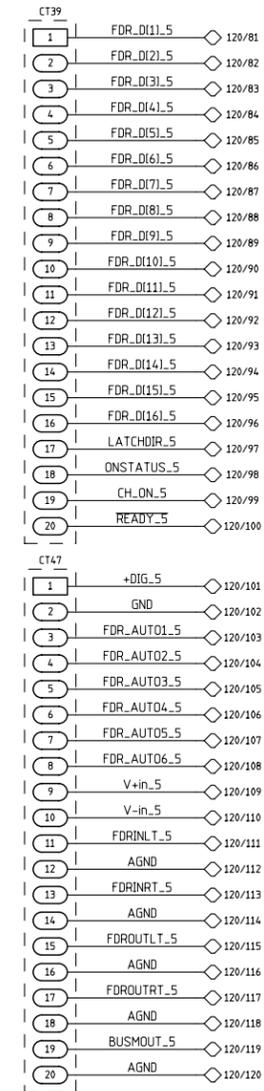
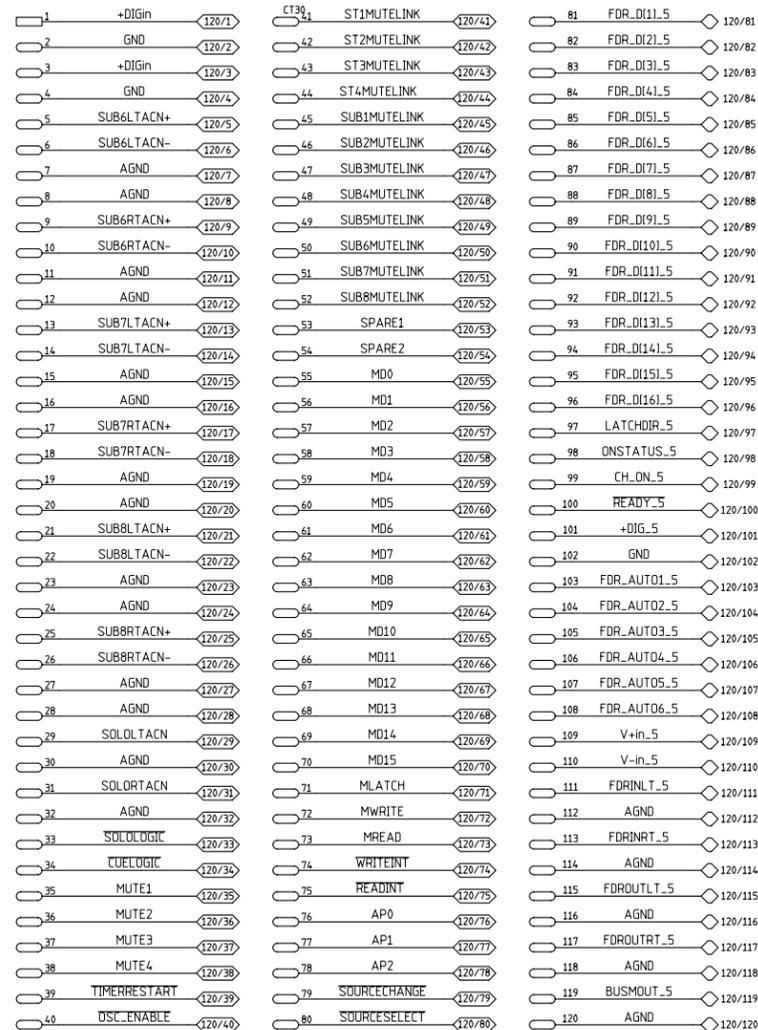
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DRAWN	SA 9-28-99				
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SCALE		MBM-1000A PCB		SHEET 4 OF 10	

EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



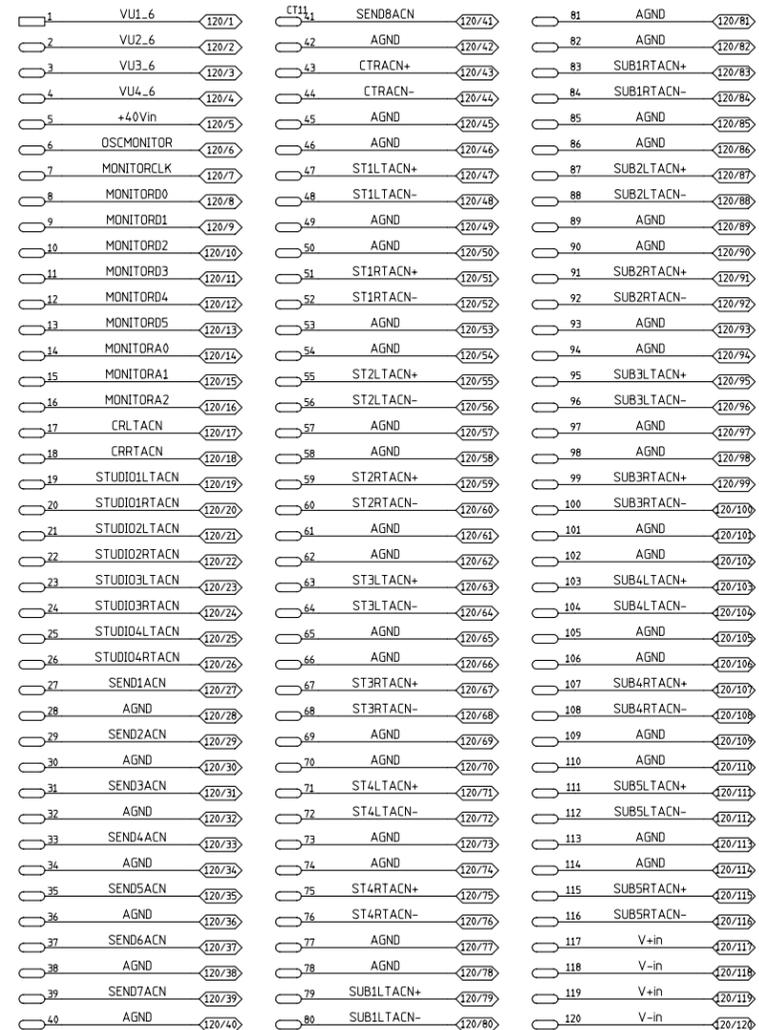
120 PIN EDGE CONNECTOR



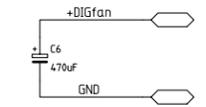
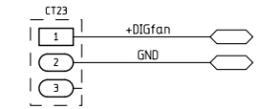
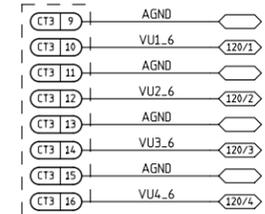
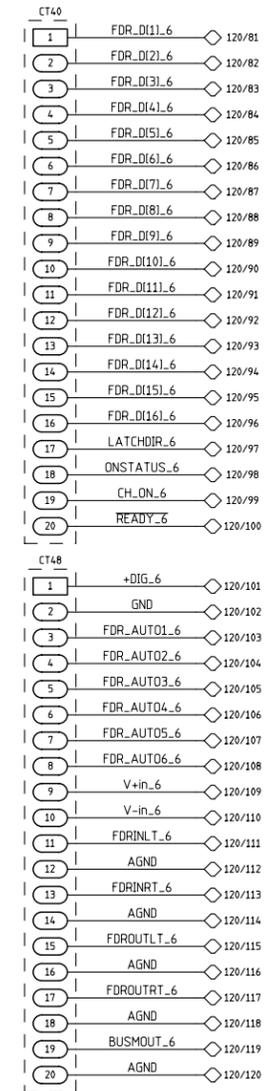
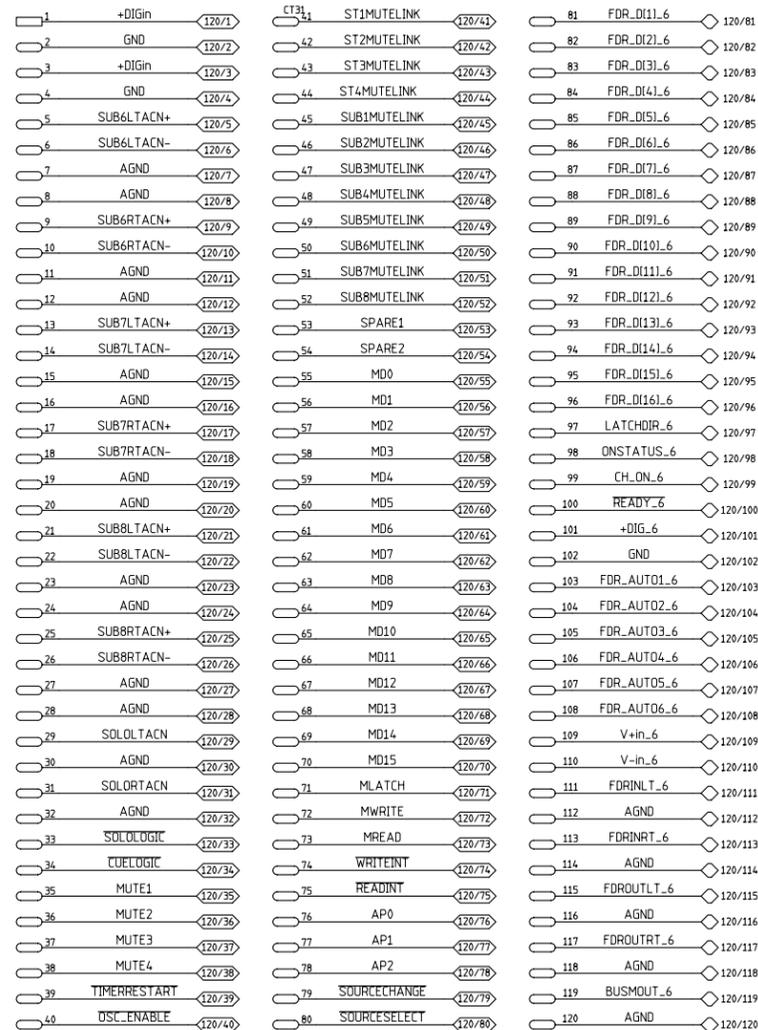
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DRAWN	SA 9-28-99				
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		SCALE	MBM-1000A PCB		SHEET 5 OF 10

EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



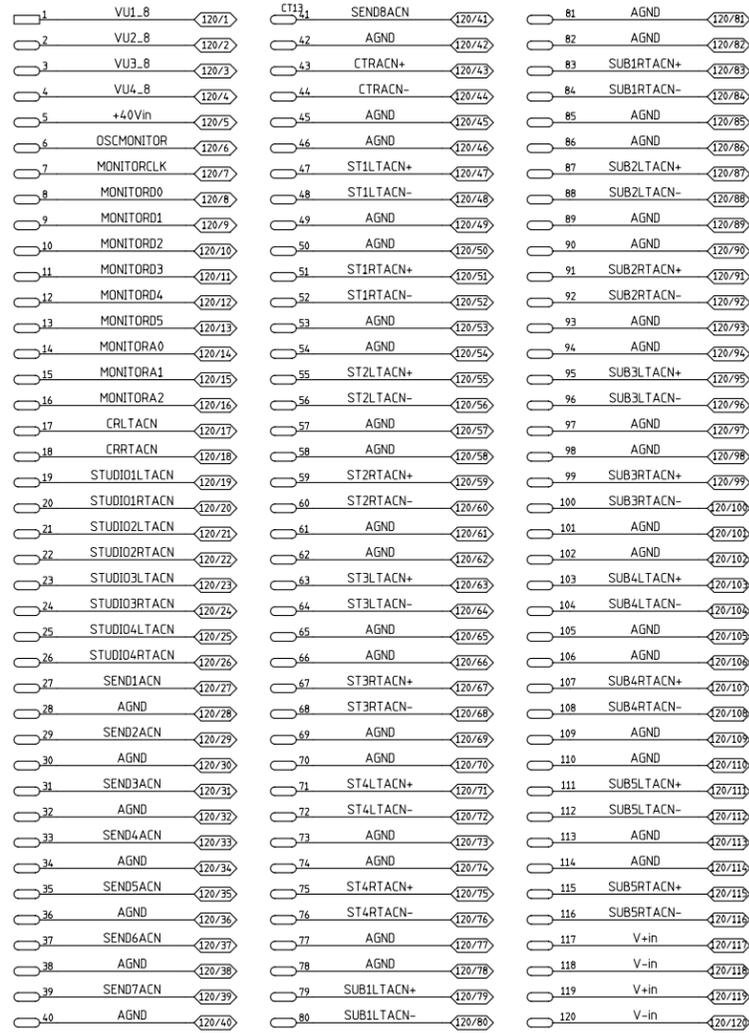
120 PIN EDGE CONNECTOR



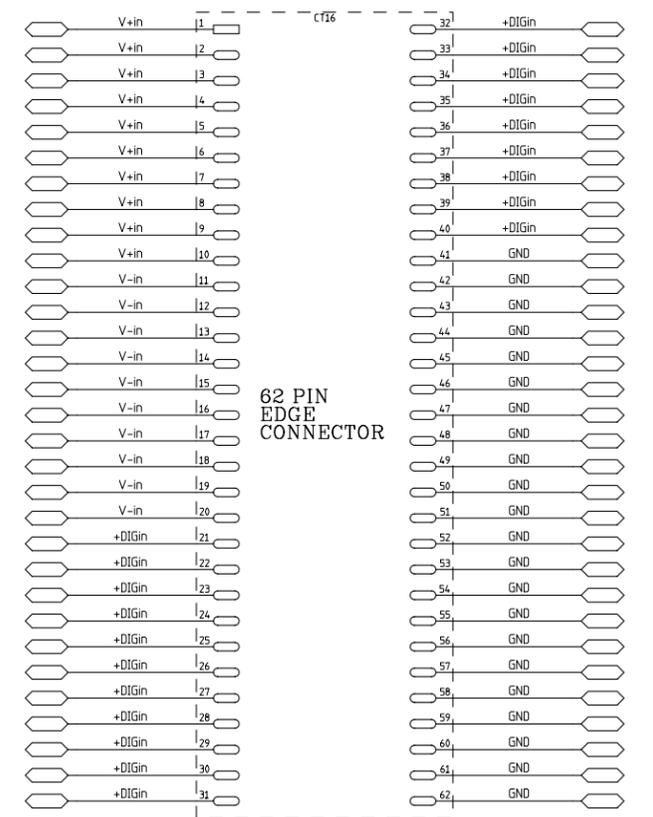
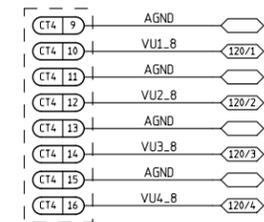
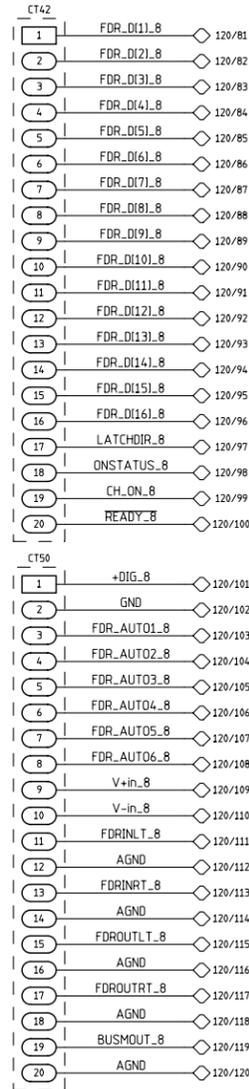
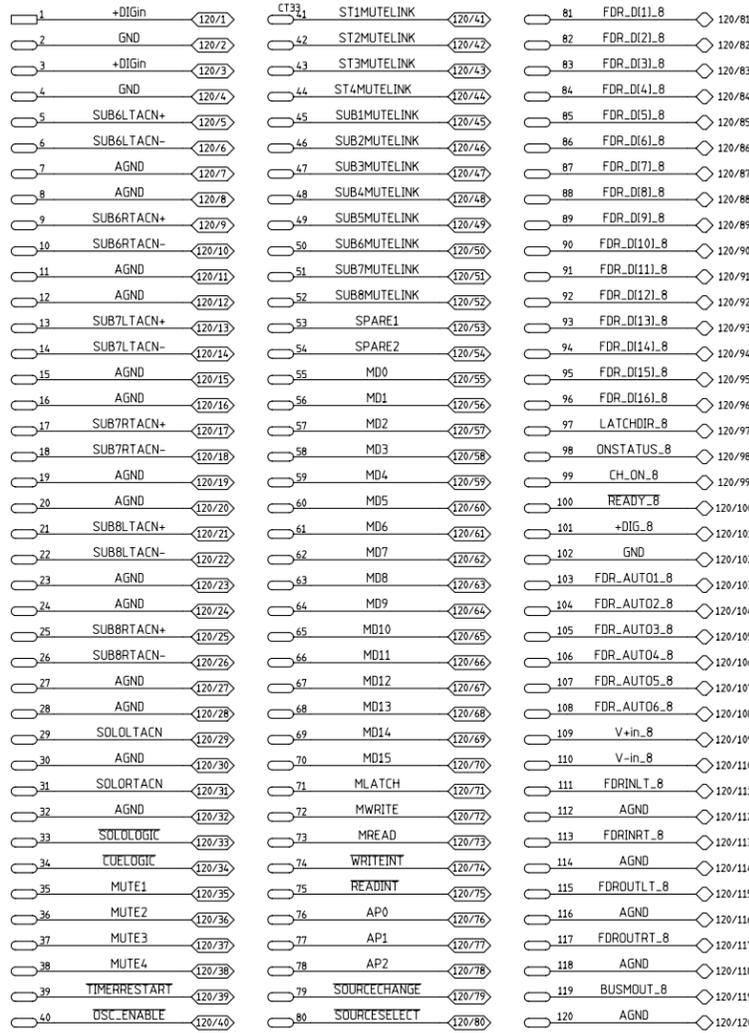
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CHECKED		New Bern, NC 28562			
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W# 700267		SCALE	MBM-1000A PCB	SHEET 6 OF 10	

EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



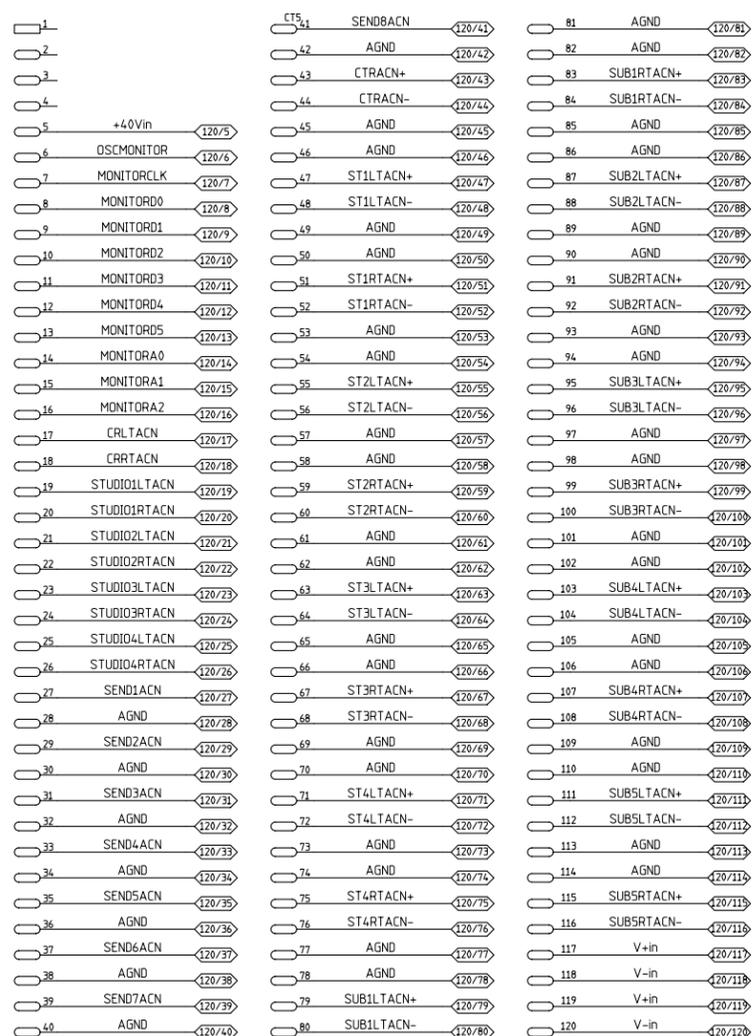
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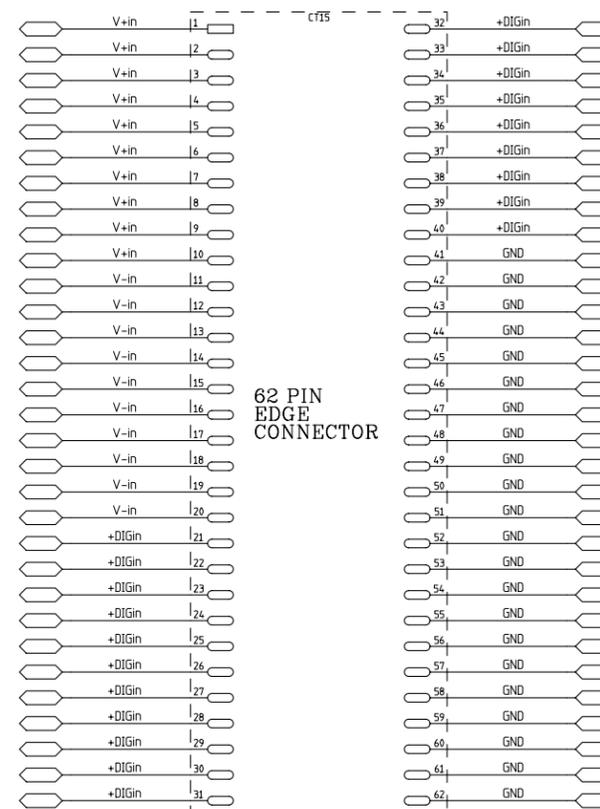
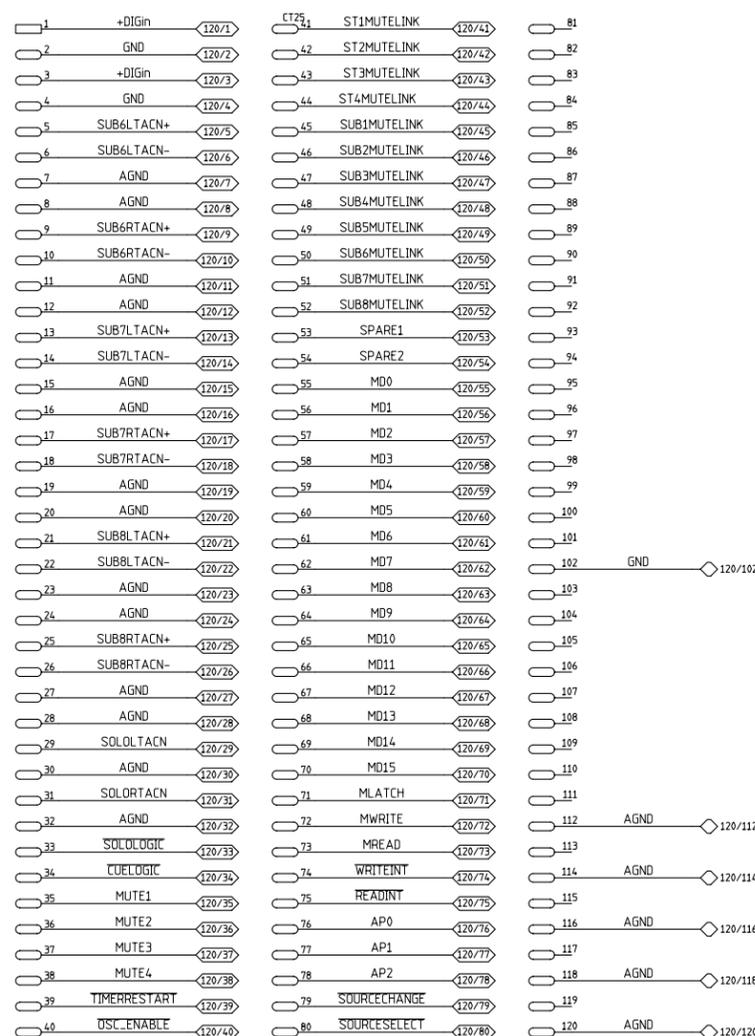
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W# 700267		D		45S0027A	
		SCALE	MBM-1000A PCB		SHEET 8 OF 10

EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



120 PIN EDGE CONNECTOR

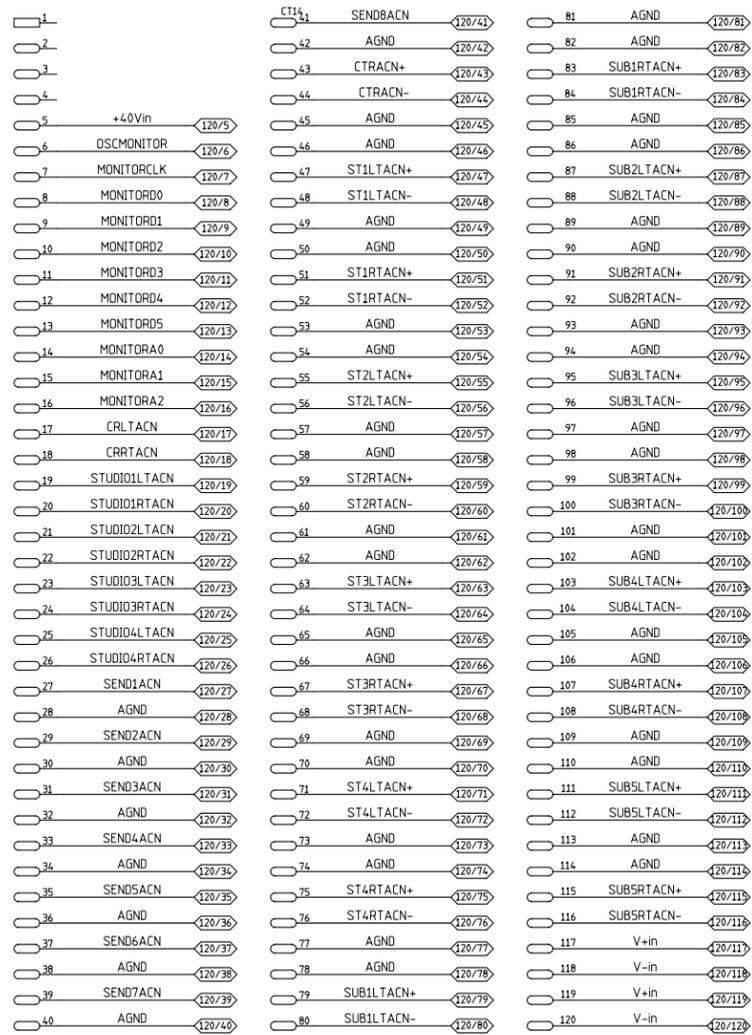


62 PIN
EDGE
CONNECTOR

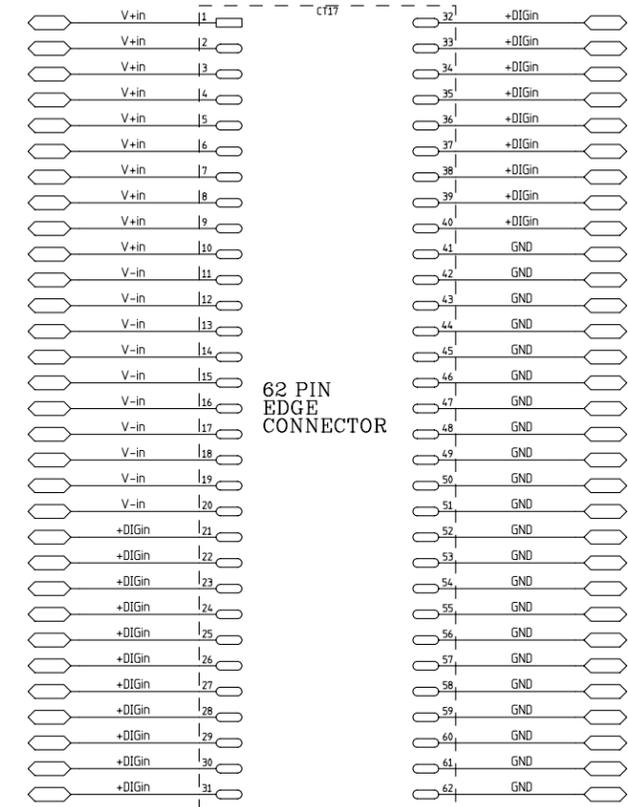
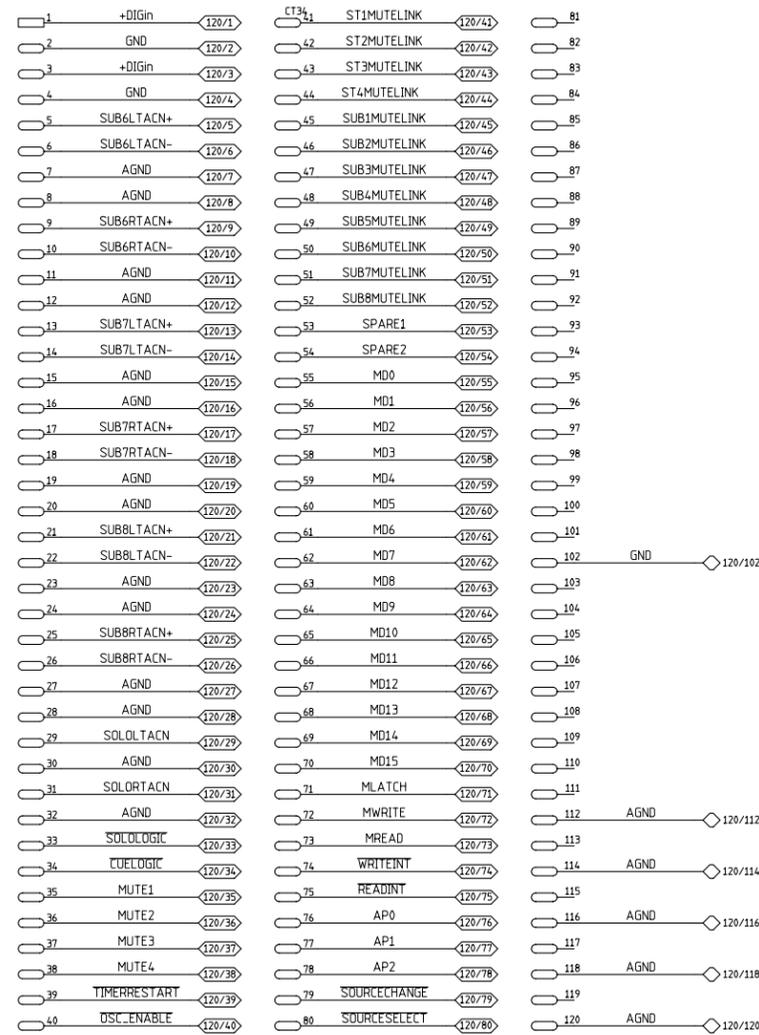
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EDGE CONNECTORS BUSS CHART

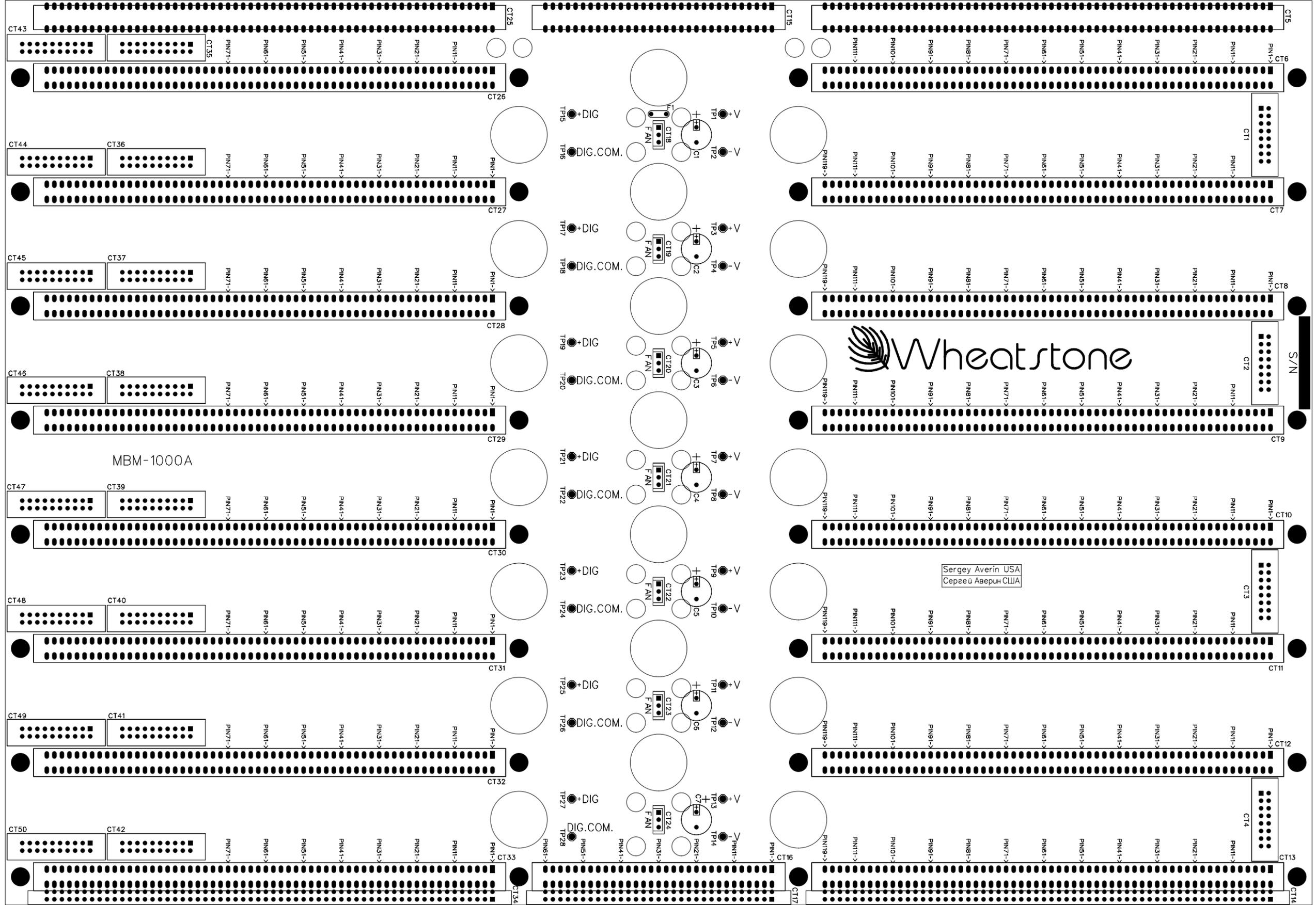
120 PIN EDGE CONNECTOR



120 PIN EDGE CONNECTOR



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APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
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ISSUED		SIZE	FSCM NO.	DWG. NO.	REV
W* 700267		D		45S0029A	
		SCALE	MBM-1000A PCB		SHEET 10 OF 10



MBM-1000A



Sergey Averin USA
Сергей Аверин США

S/N

TP15 +DIG
TP16 DIG.COM.

TP17 +DIG
TP18 DIG.COM.

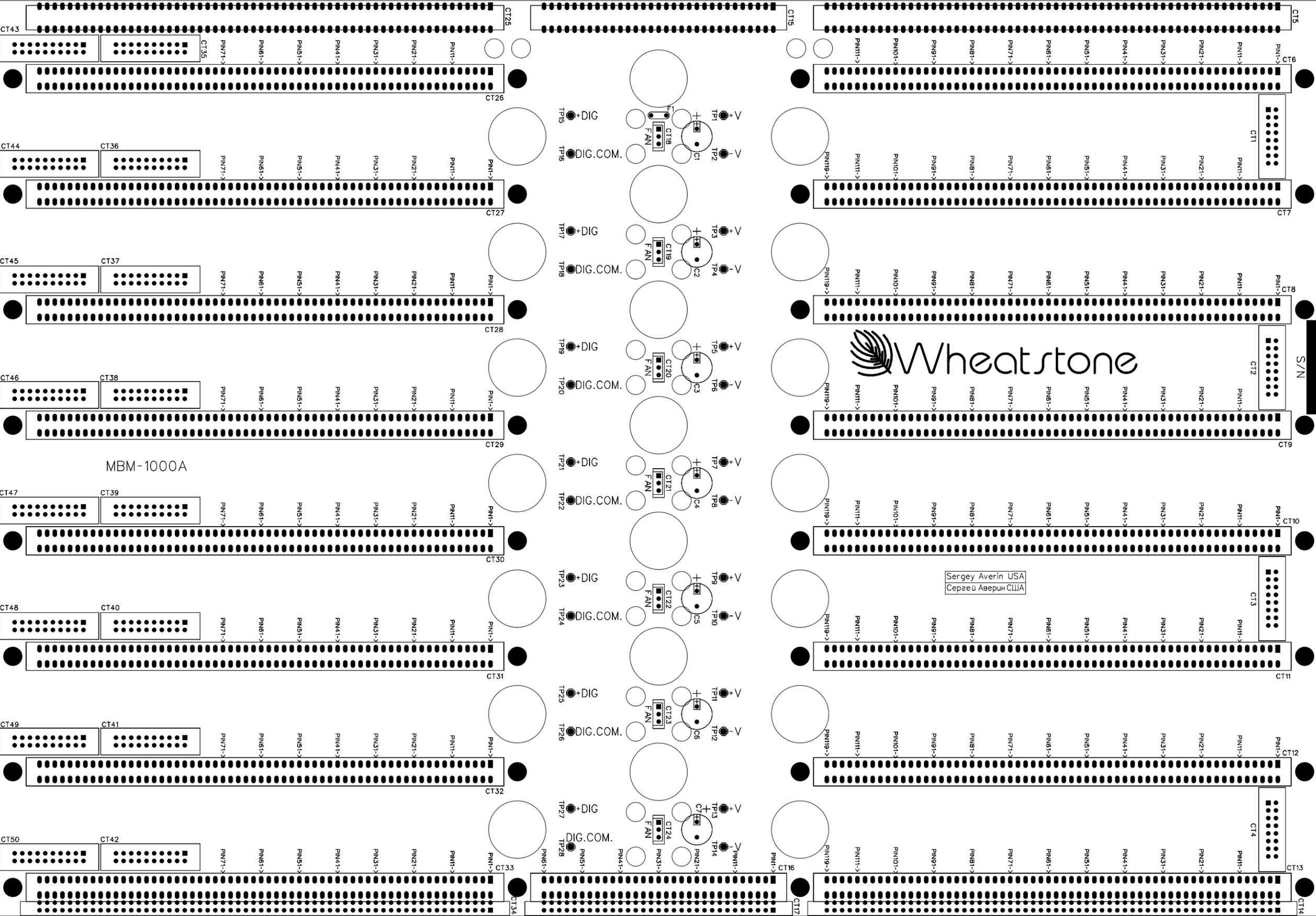
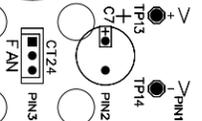
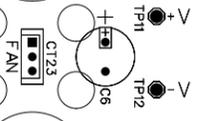
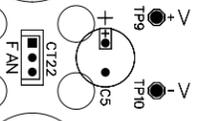
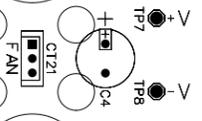
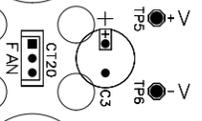
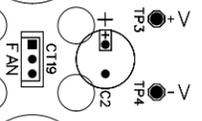
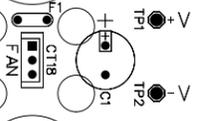
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TP23 +DIG
TP24 DIG.COM.

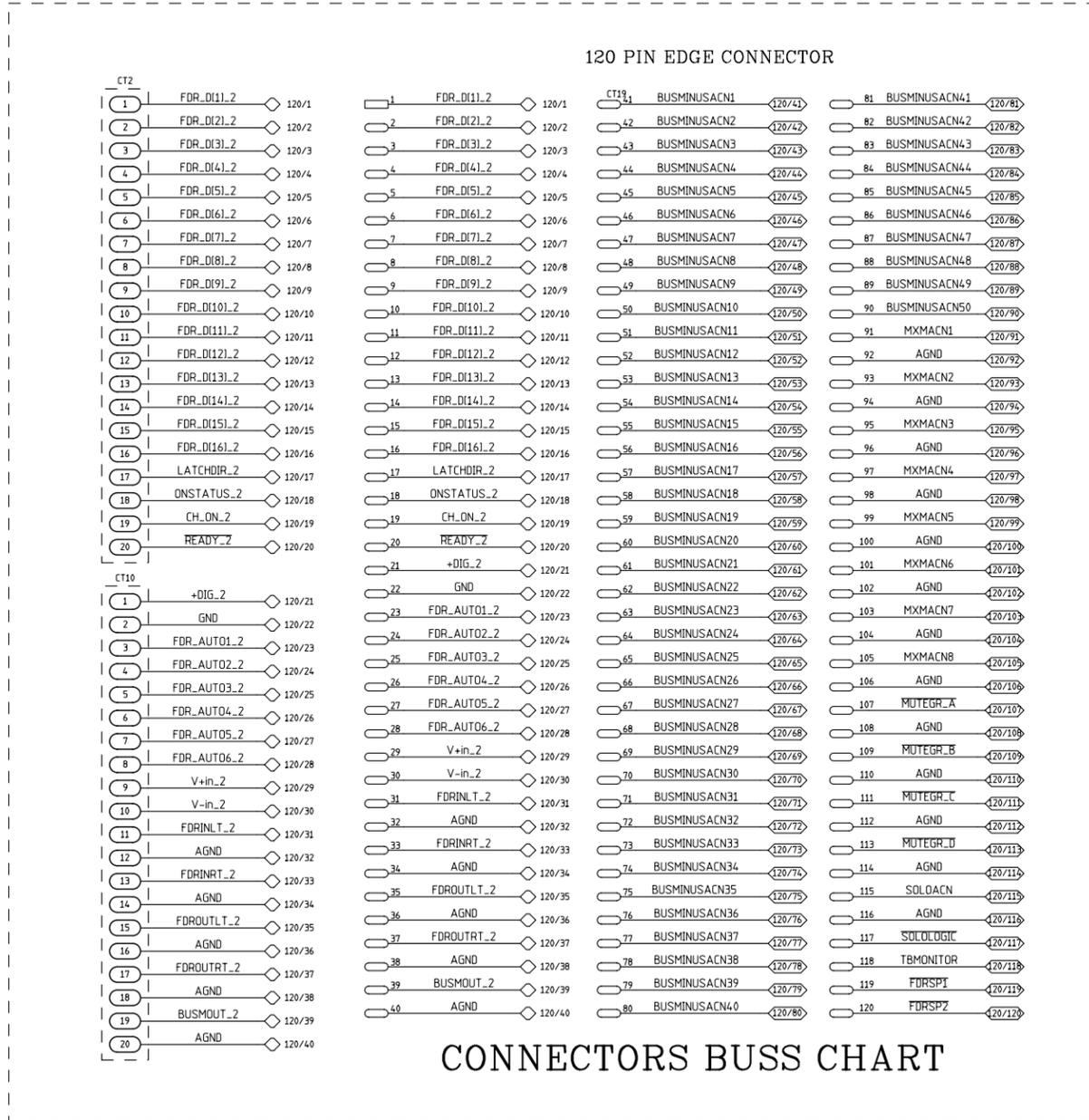
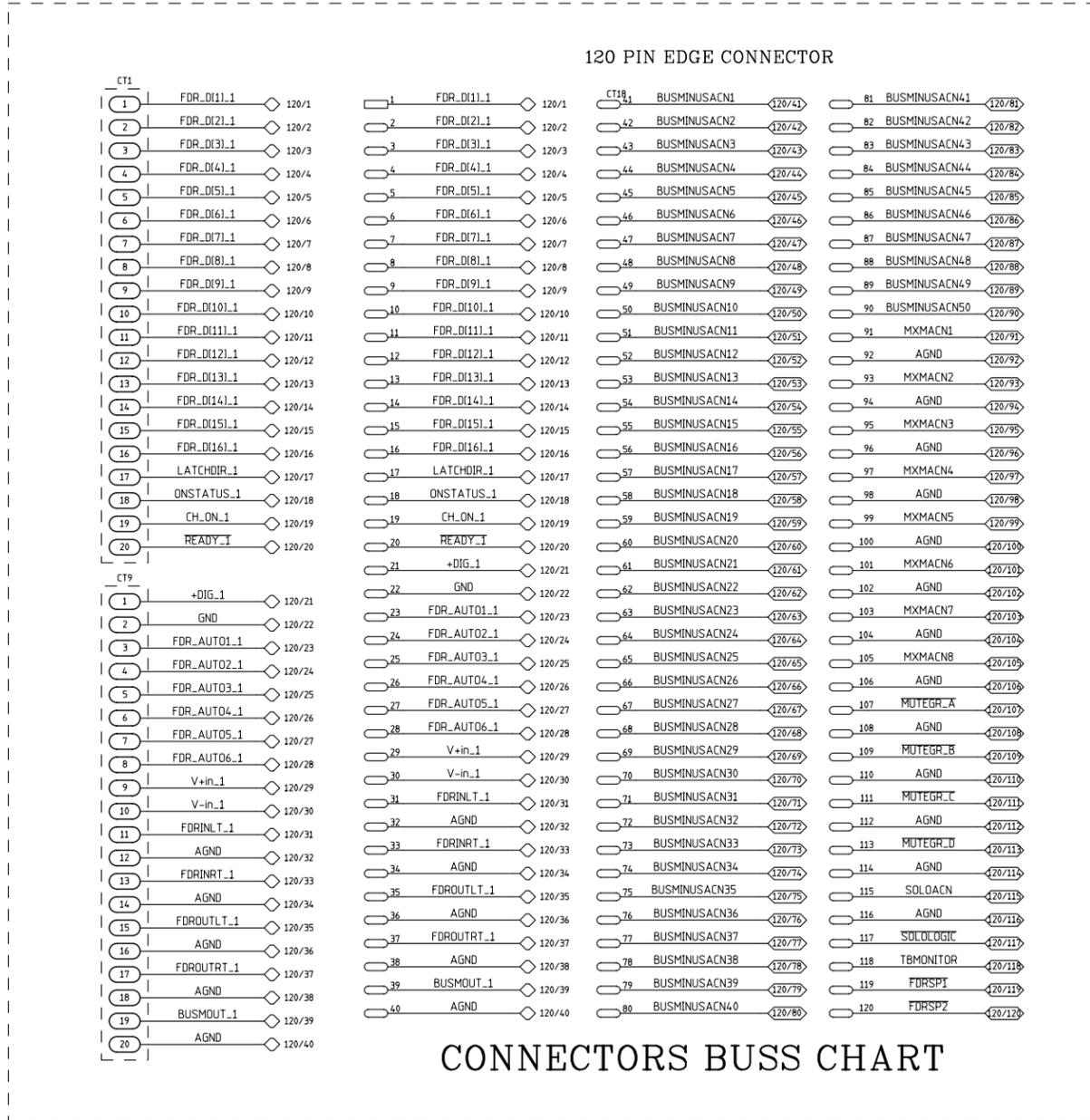
TP25 +DIG
TP26 DIG.COM.

TP27 +DIG
TP28 DIG.COM.



D

D



C

C

B

B

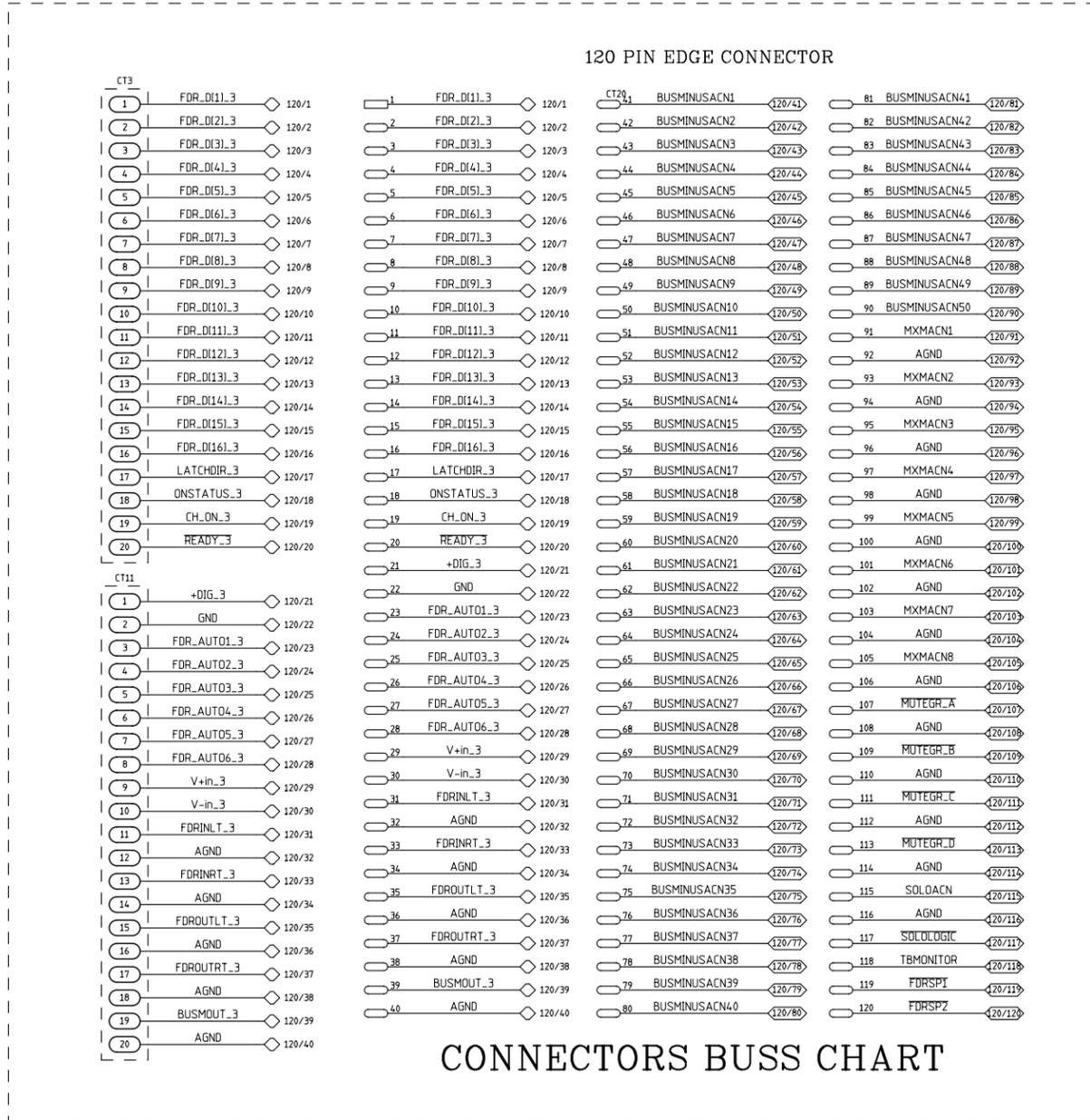
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ISSUED		SIZE	FSCM NO.	DWG. NO.	REV
W* 700268		D		45S0005A	
		SCALE	MBF-1000A PCB		SHEET 1 OF 5

D

D



C

C

B

B

A

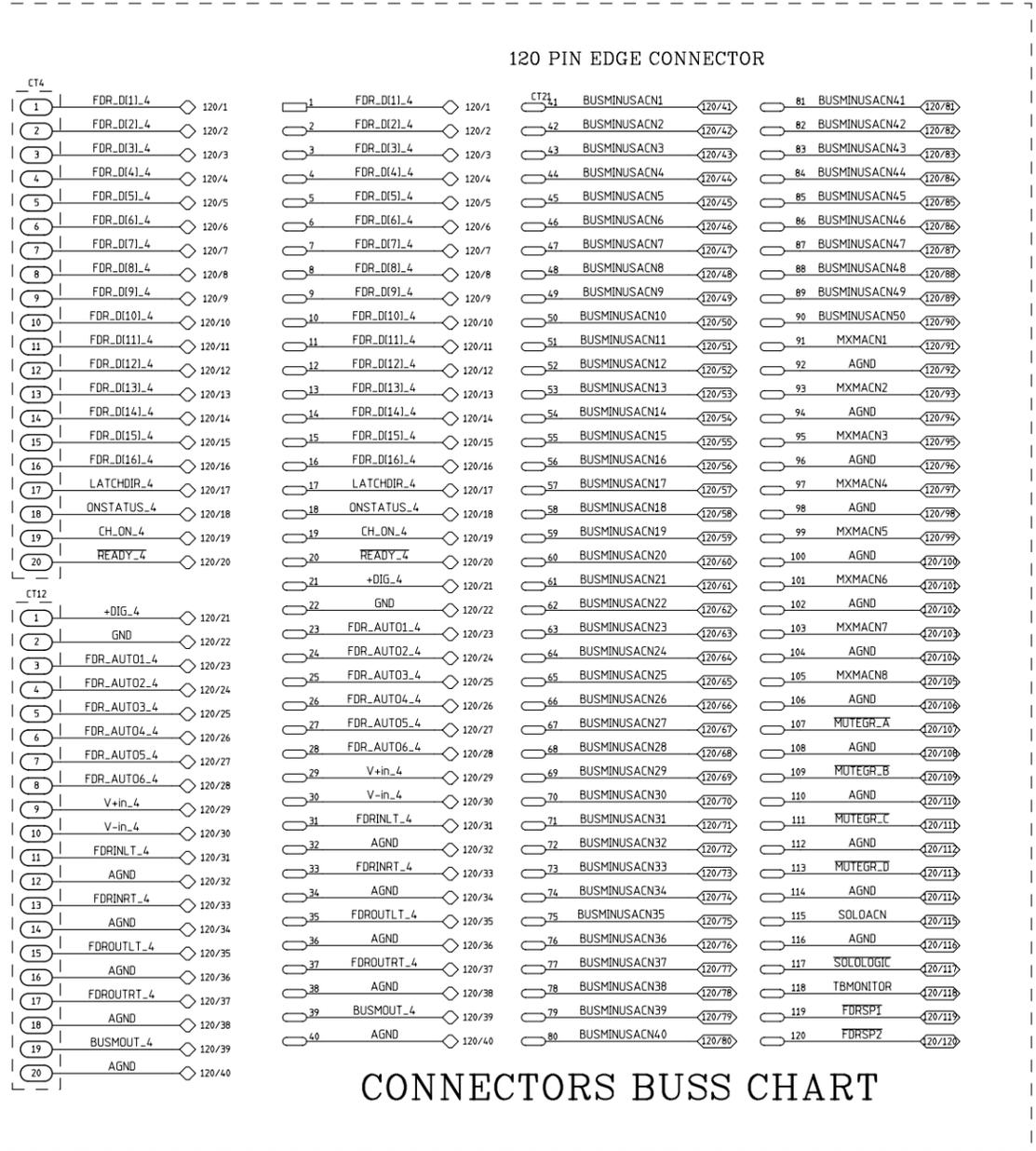
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AGND

AGND

AGND

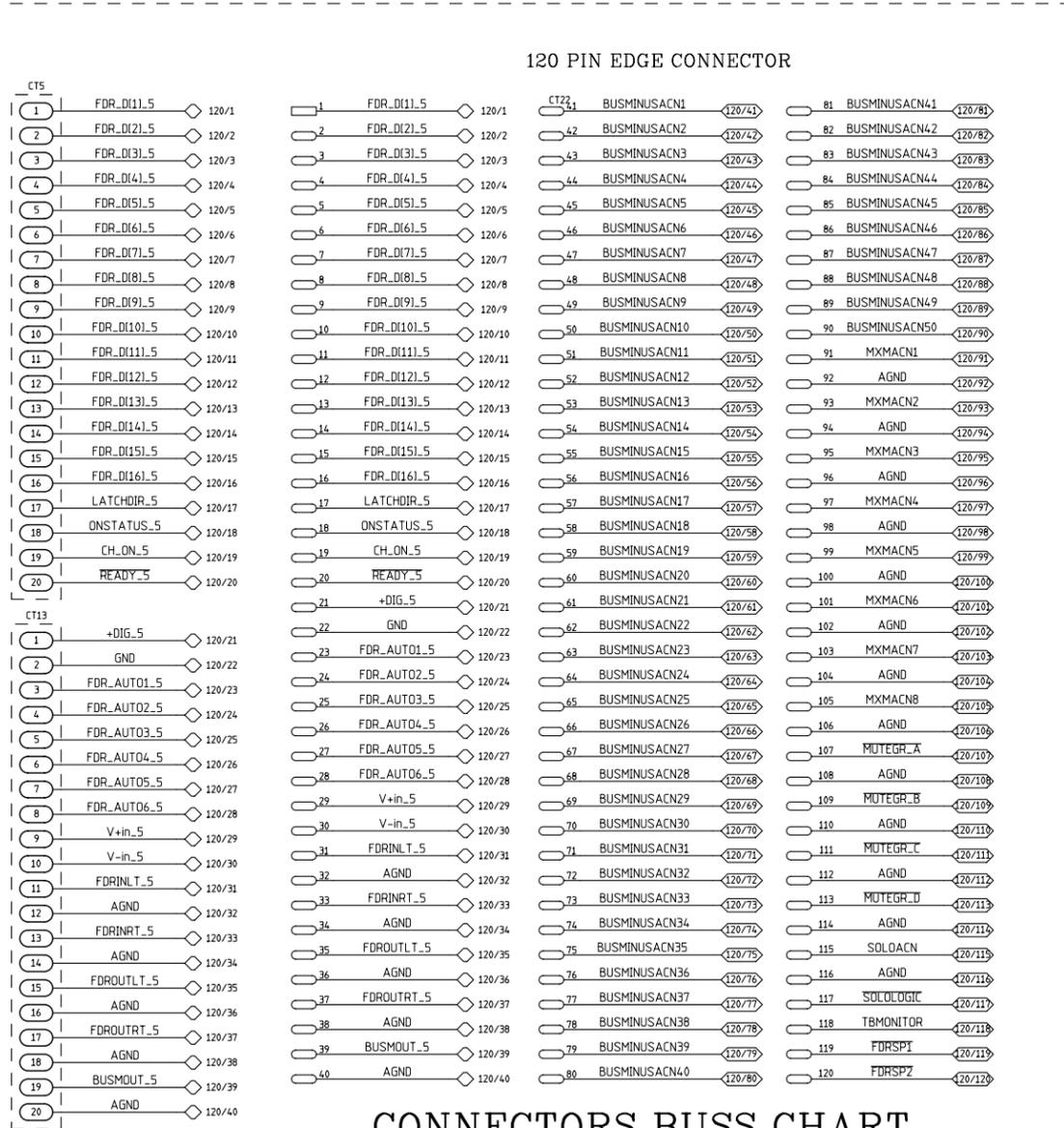
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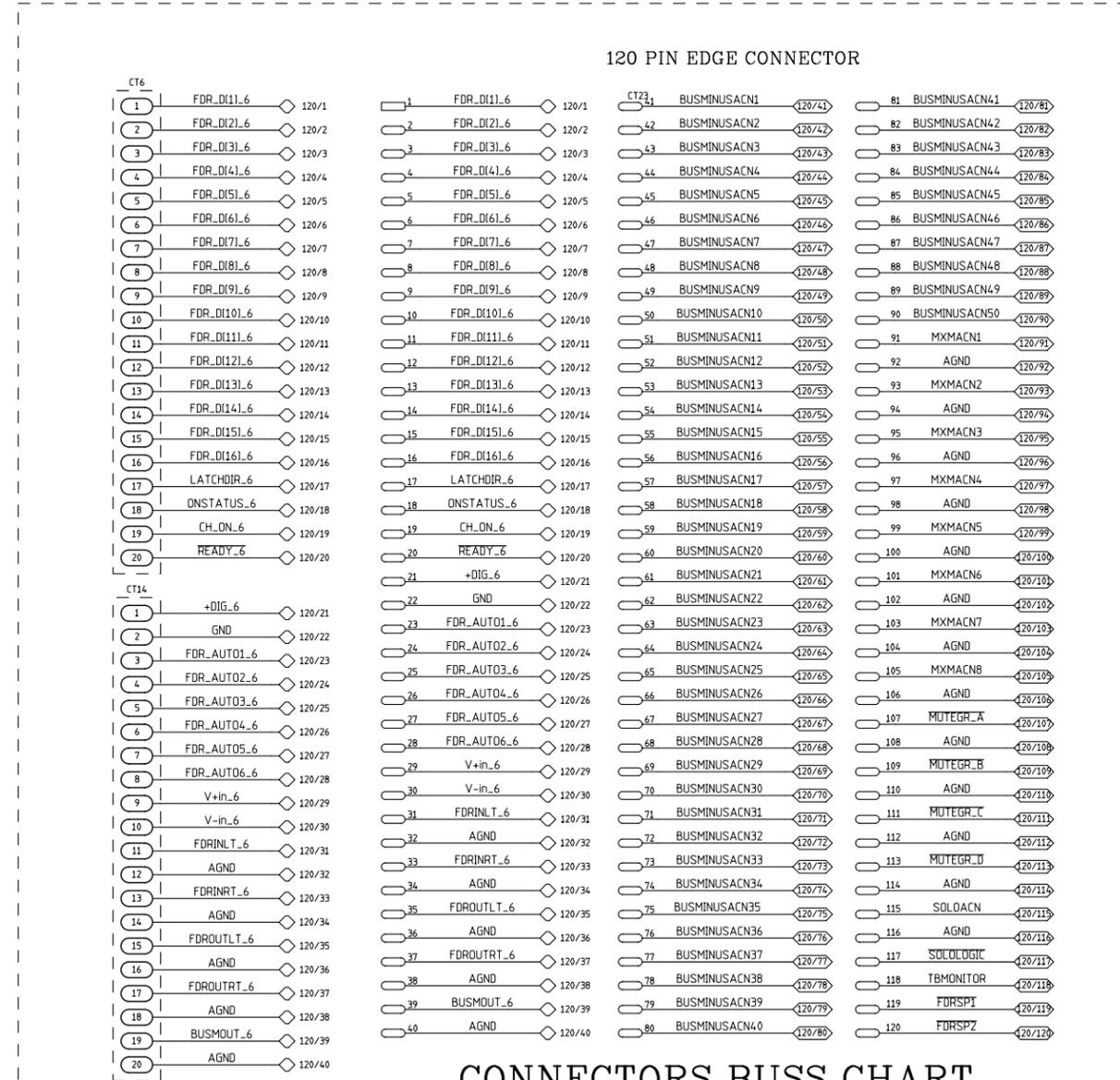
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DRAWN	SA 12-10-99				
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ISSUED		SIZE	FSCM NO.	DWG. NO.	REV
W# 700268		D		45S0006A	
		SCALE	MBF-1000A PCB		SHEET 2 OF 5

D

D



CONNECTORS BUSS CHART

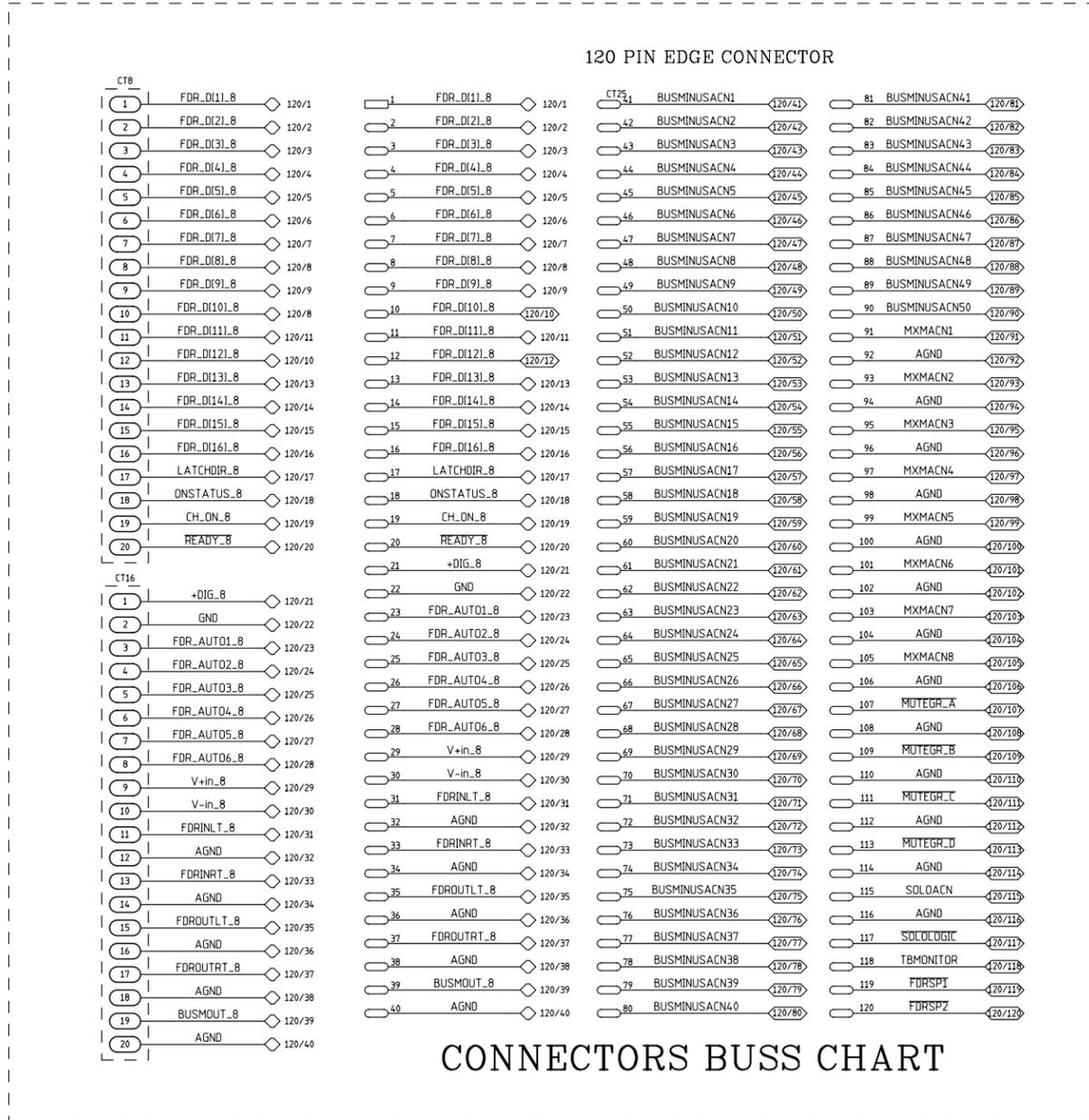
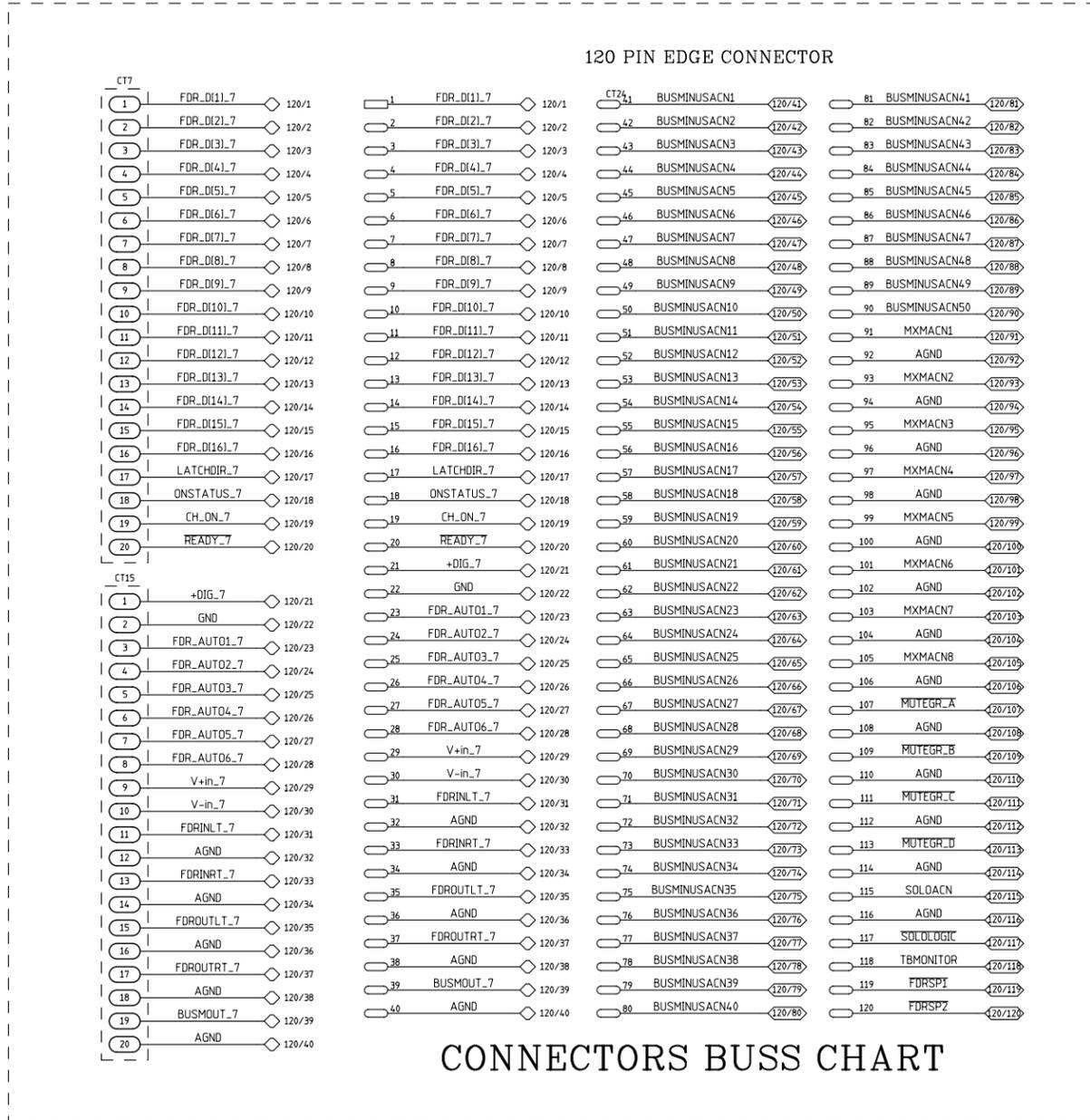


CONNECTORS BUSS CHART

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DRAWN	SA 12-10-99				
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ISSUED		SIZE	FSCM NO.	DWG. NO.	REV
W# 700268		D		45S0007A	
		SCALE	MBF-1000A PCB		SHEET 3 OF 5

D

D



C

C

B

B

A

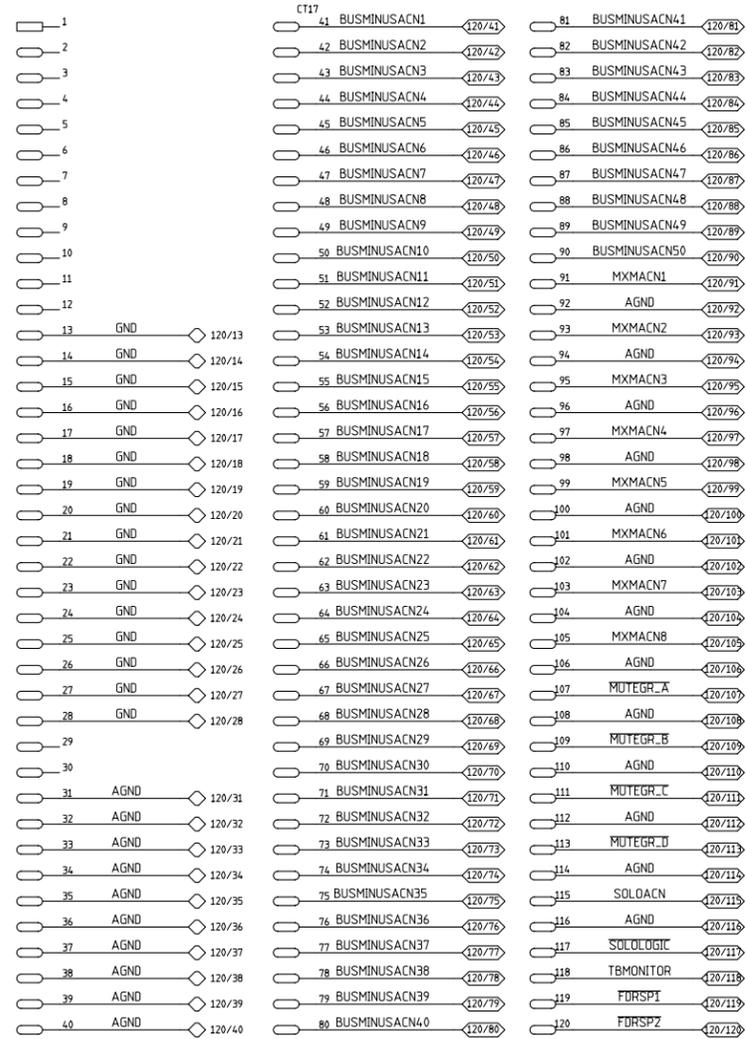
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W# 700268		D		45S0008A	
		SCALE	MBF-1000A PCB		SHEET 4 OF 5

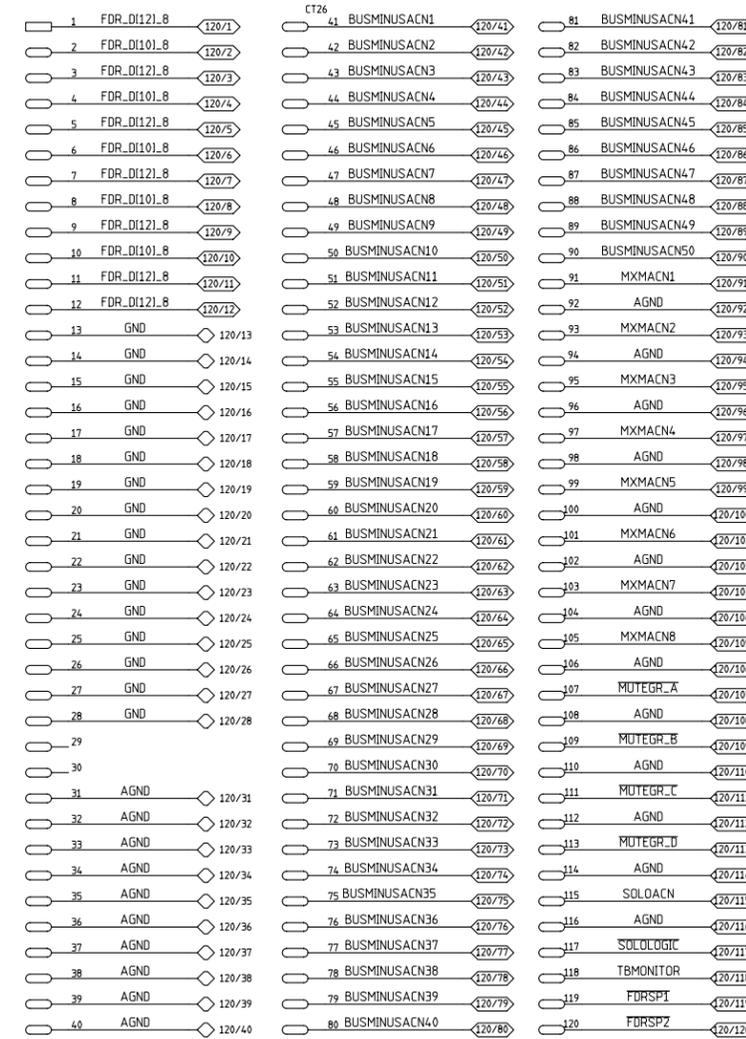
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D

120 PIN BOAR TO BOARD
FEMALE CONNECTOR



120 PIN BOAR TO BOARD
MALE CONNECTOR



C

C

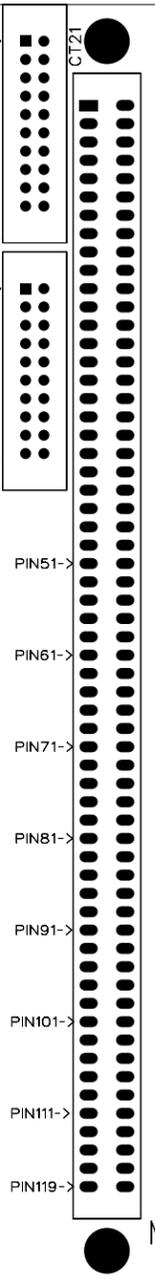
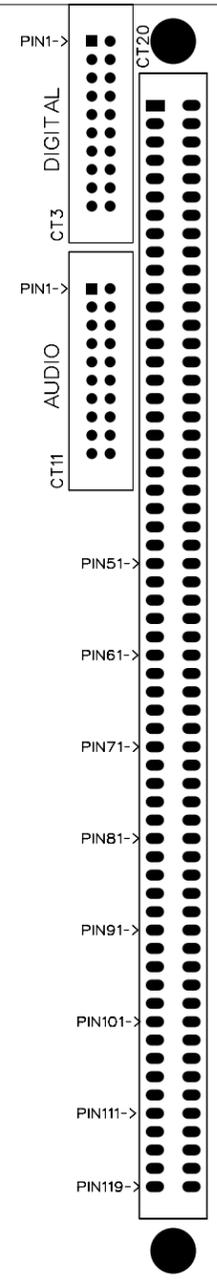
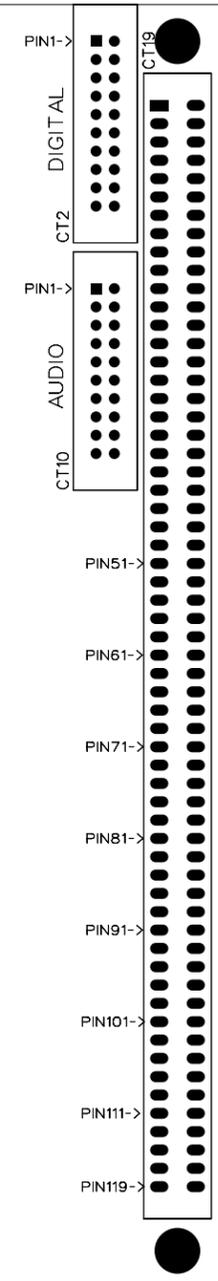
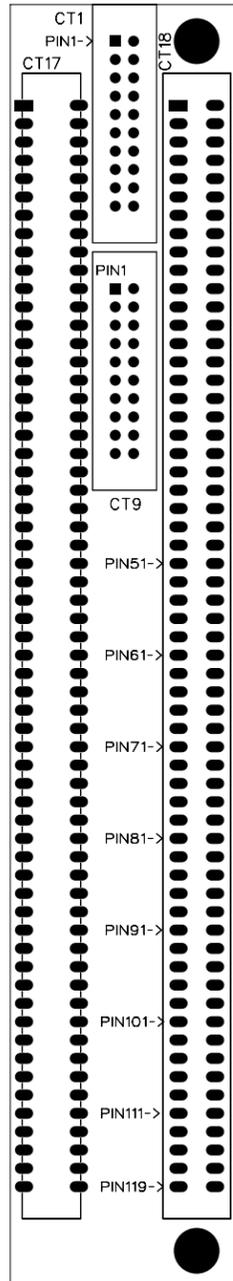
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B

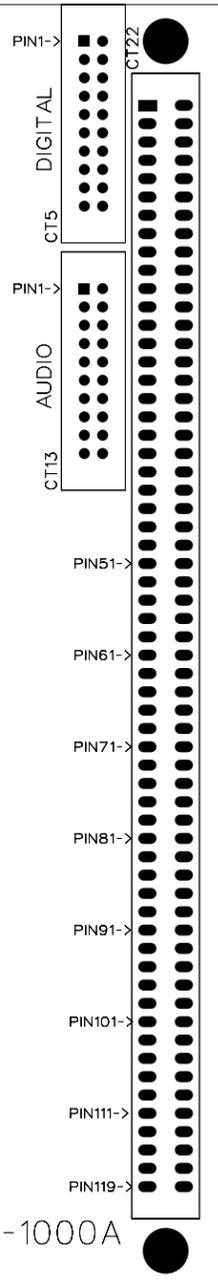
A

A

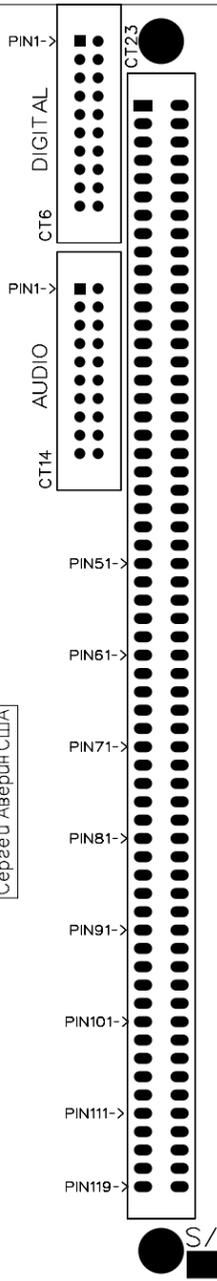
CONTRACT NO.		MBF-1000			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	12-10-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0009A	REV
W# 700268		SCALE	MBF-1000A PCB	SHEET 5 OF 5	



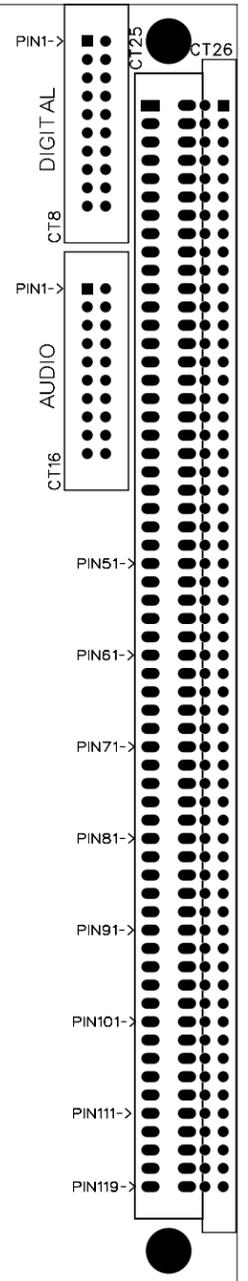
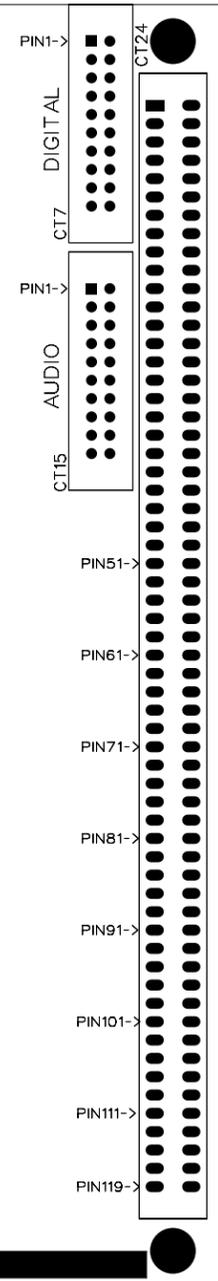
MBF-1000A



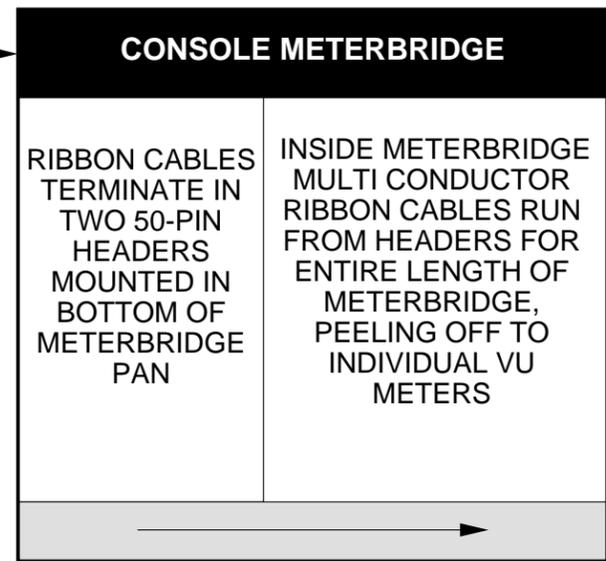
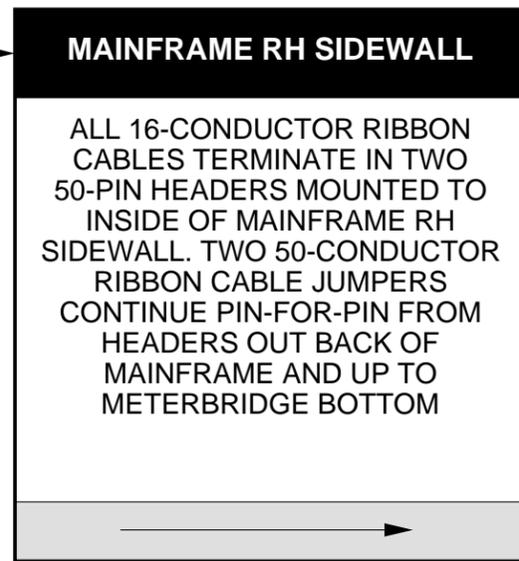
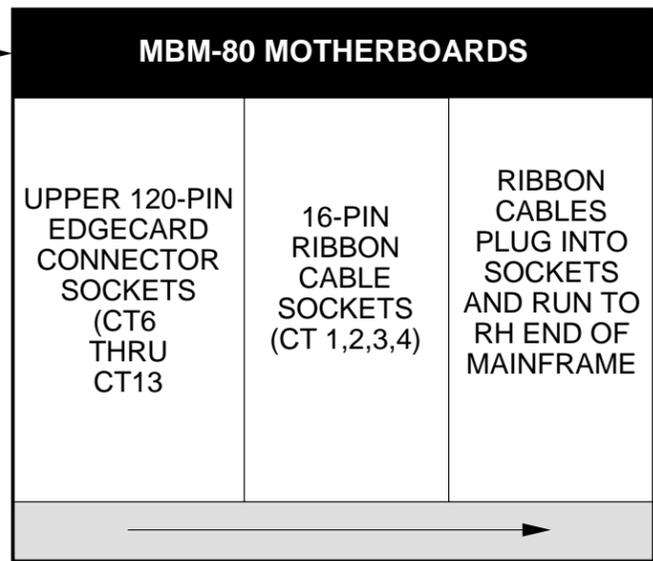
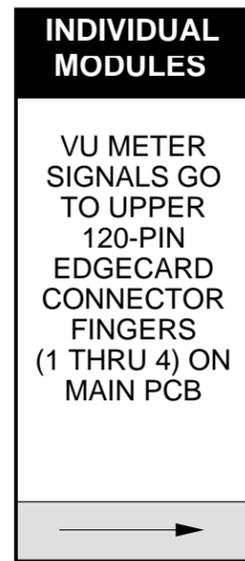
Sergey Averin USA
Сергей Аверин США



S/N



Pages 108 -113 have been deleted



120-PIN UPPER EDGE CARD CONNECTOR

SUBMASTER MODULES:
 PIN 1: SUBMASTER LEFT
 PIN 2: SUBMASTER RIGHT
 PIN 3: SEND 1/ SEND 2
 PIN 4: MXM 1/ MXM 2

STEREO MASTER MODULES:
 PIN 1: STEREO MASTER LEFT
 PIN 2: STEREO MASTER RIGHT
 PIN 3: N/A
 PIN 4: N/A

CONTROL ROOM MODULE:
 PIN 1: CR LEFT (optional)
 PIN 2: CR RIGHT (optional)
 PIN 3: SOLO/CUE LEFT (feeds VO module)*
 PIN 4: SOLO/CUE RIGHT (feeds VO module)*

STUDIO MODULE:
 PIN 1: SC LEFT (optional)
 PIN 2: SC RIGHT (optional)

VO MODULE:
 PIN 1: SOLO/EXT LEFT
 PIN 2: SOLO/EXT RIGHT
 PIN 3: SOLO/CUE LEFT (from CR module)*
 PIN 4: SOLO/CUE RIGHT (from CR module)*

*CR feeds Solo/Cue signal to VO module via motherboard 16-pin ribbon cable sockets

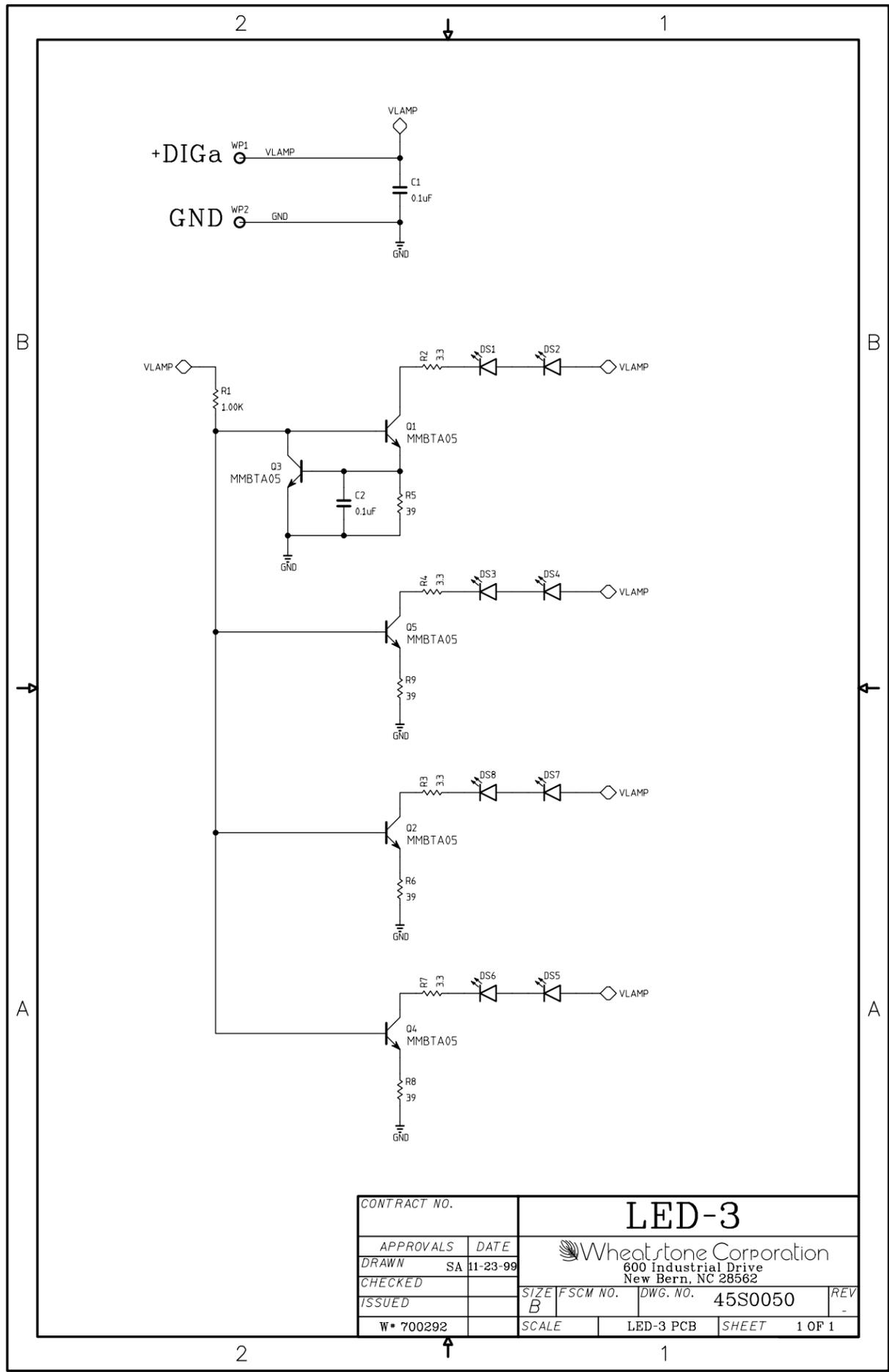
MOTHERBOARD CONNECTIONS
120-PIN TO 16-PIN CONNECTOR SOCKETS
 Each 16-pin ribbon cable socket accepts signals from TWO 120-pin edge card connectors

EVEN numbered 120-pin connectors (CT6,8,10,12):
 120-Pin #1 goes to 16-Pin #2
 120-Pin #2 goes to 16-Pin #4
 120-Pin #3 goes to 16-Pin #6
 120-Pin #4 goes to 16-Pin #8

ODD numbered 120-pin connectors (CT7,9,11,13):
 120-Pin #1 goes to 16-Pin #10
 120-Pin #2 goes to 16-Pin #12
 120-Pin #3 goes to 16-Pin #14
 120-Pin #4 goes to 16-Pin #16

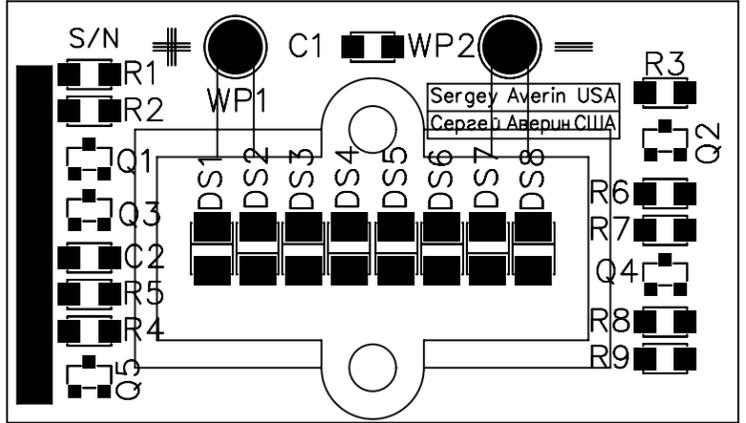
16-PIN CONNECTOR SOCKETS:
 all odd-numbered pins are audio ground

MAINFRAME METER WIRING	
Wheatstone TV-80 Audio Console	
9-23-98	Wheatstone Corporation 600 Industrial Drive New Bern, NC. 28562
Sheet 1 of 1	SCHEMATIC



CONTRACT NO.		LED-3			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-23-99				
CHECKED		SIZE	FSCM NO.	DWG. NO.	REV
ISSUED		B		45S0050	-
W* 700292		SCALE	LED-3 PCB	SHEET	1 OF 1

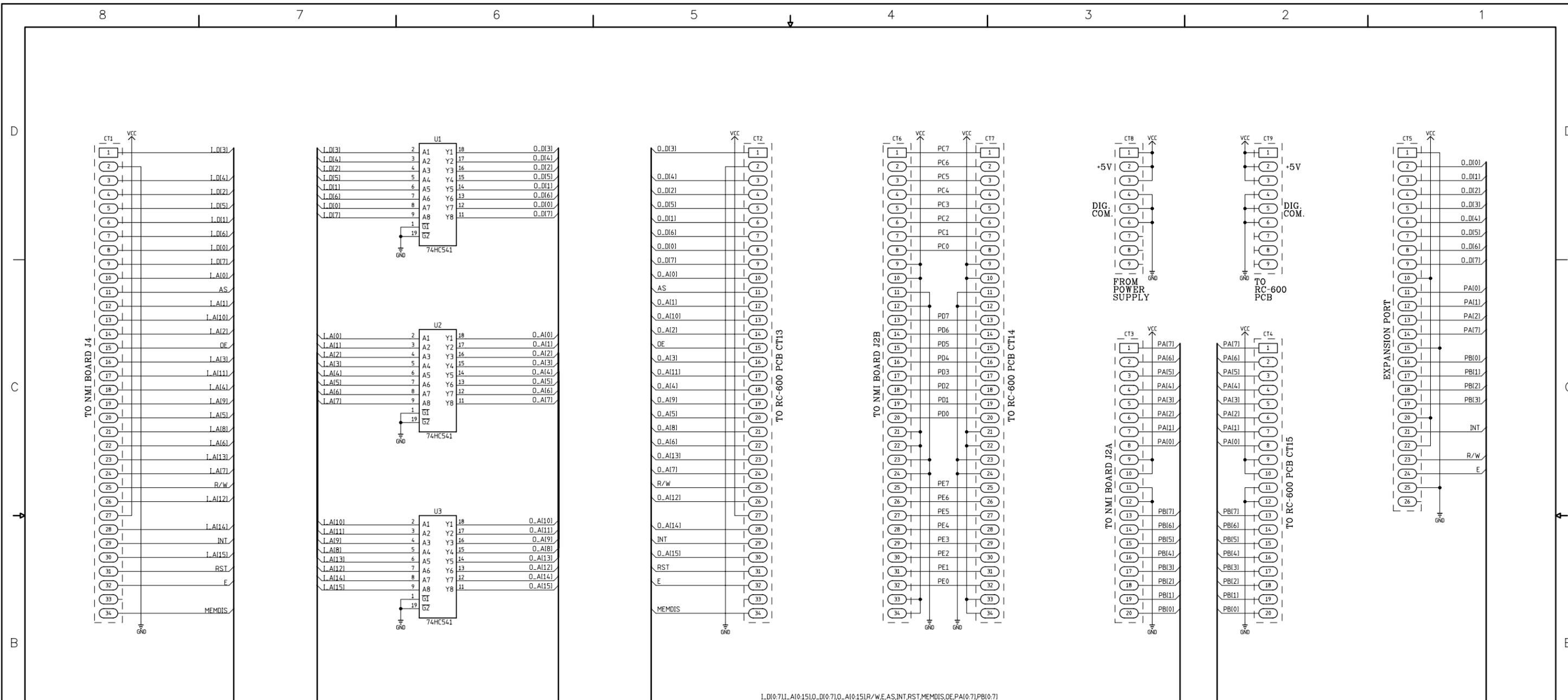
Meter Led Lamp Schematic - Sheet 1 of 1



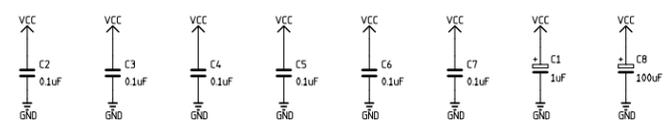
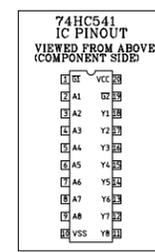


COMPONENT SIDE

EXT-1000

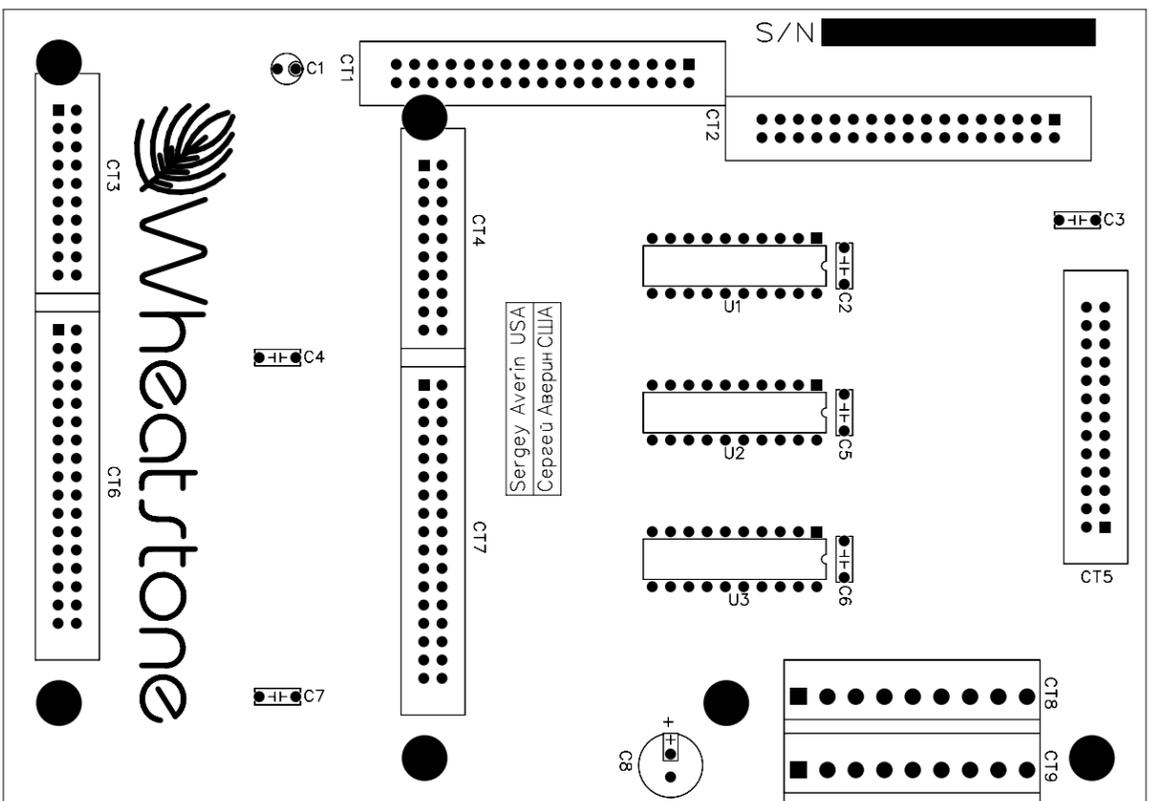


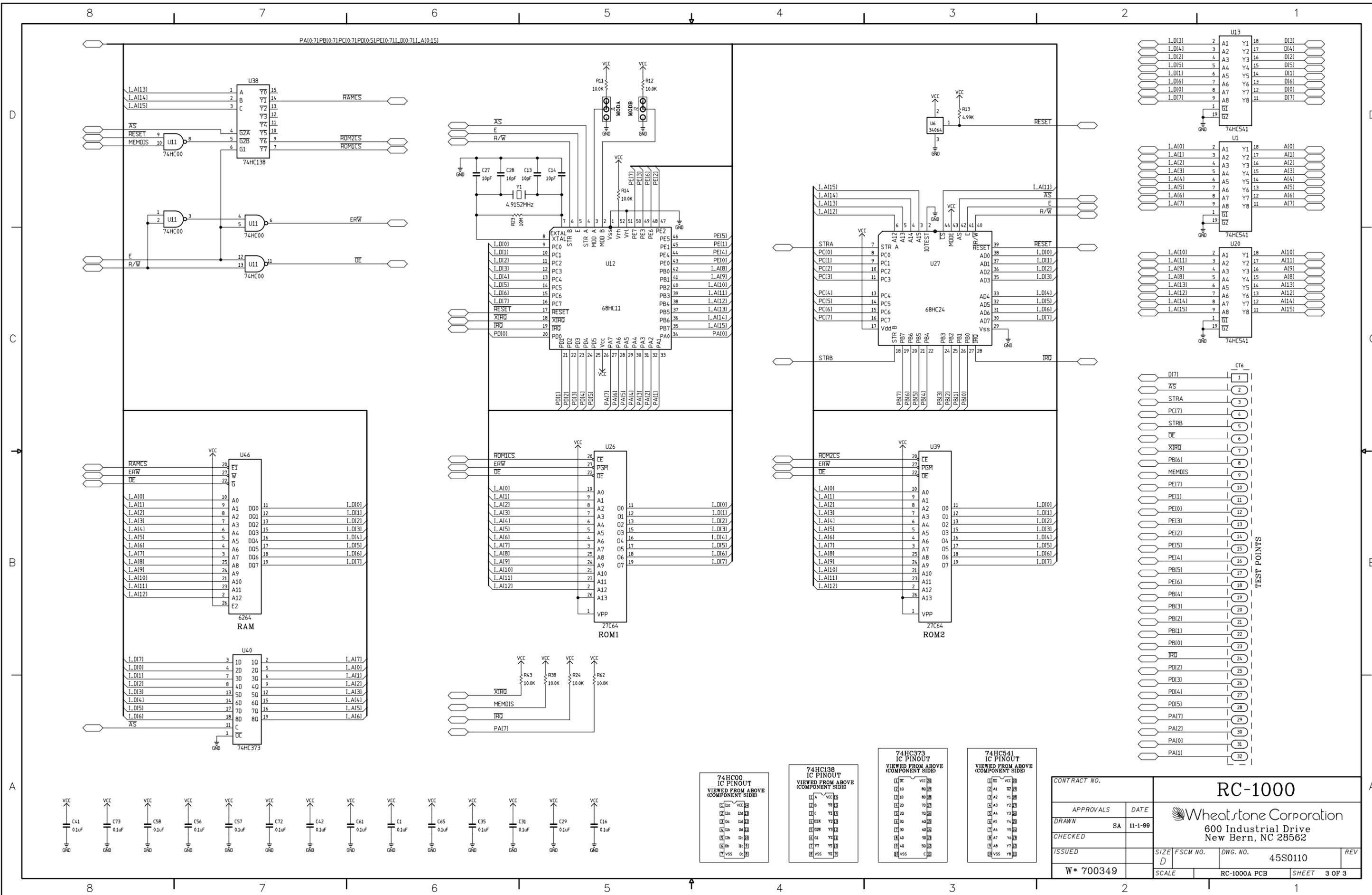
I.DI[3]..I.AI[0]..I.AI[15]..R/W..E..AS..INT..RST..MEMDIS..OE..PA[0:7]..PB[0:7]



CONTRACT NO.		RBUF-6 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
APPROVALS	DATE		
DRAWN	SA 11-16-99	SIZE	FSCM NO.
CHECKED		D	DWG. NO. 40S0074
ISSUED		SCALE	REV
W# 700093		RBUF-6A PCB	SHEET 1 OF 1

RBUF-6 RC Buffer Schematic - Sheet 1 of 1

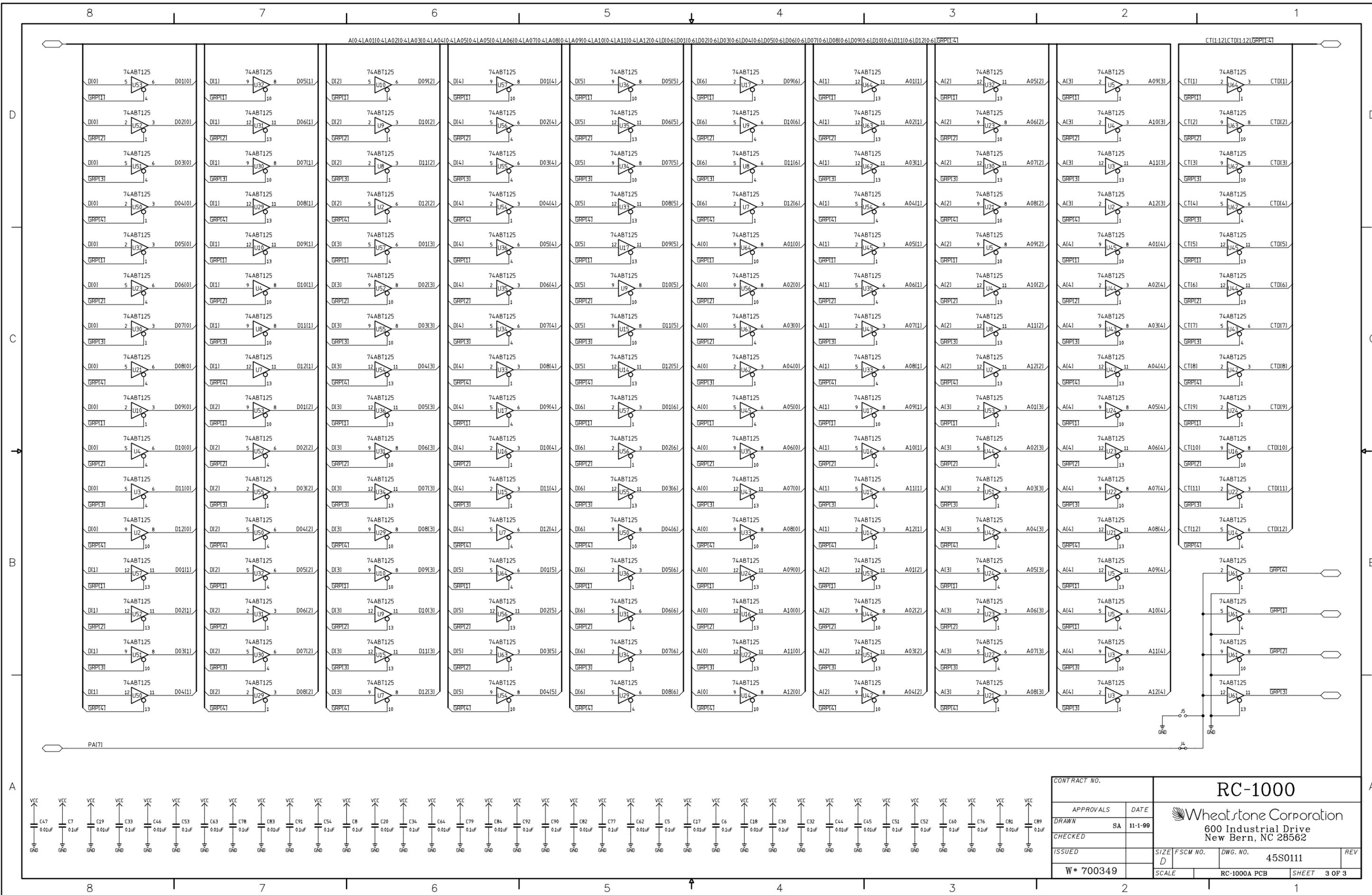




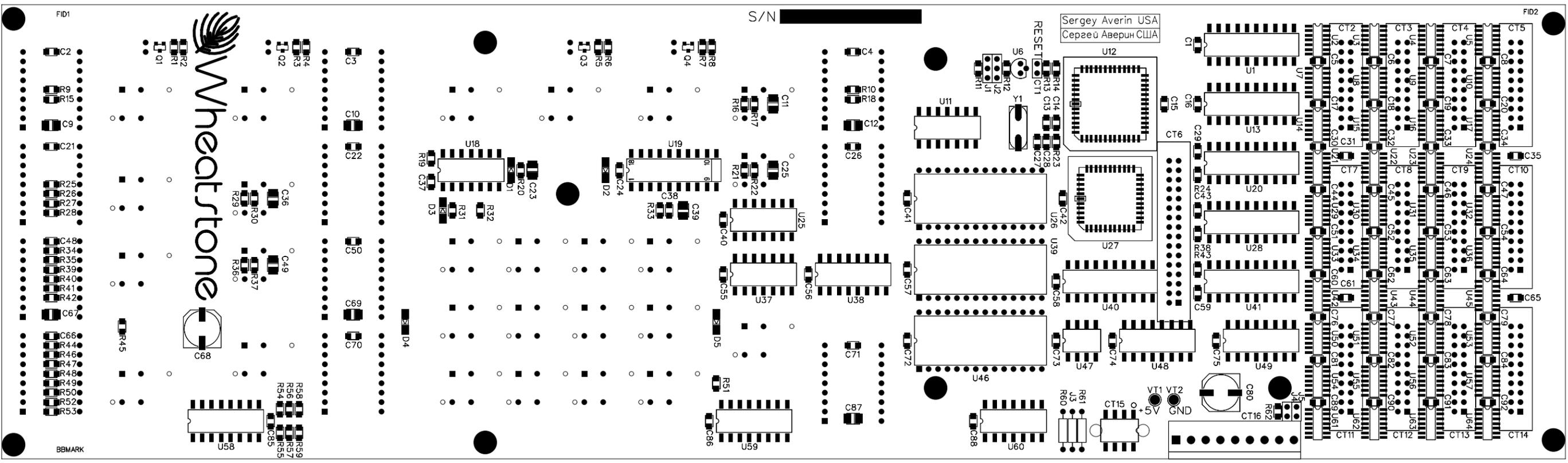
RC-1000 Router Controller Schematic - Sheet 2 of 3

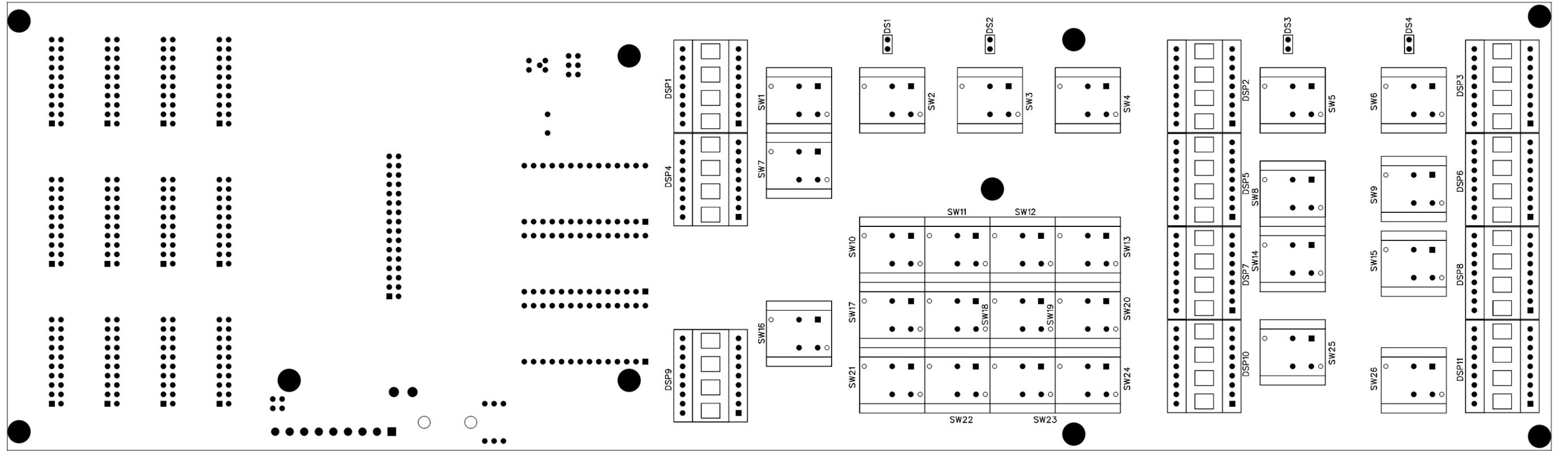
74ABT125
IC PINOUT
VIEWED FROM ABOVE
(COMPONENT SIDE)

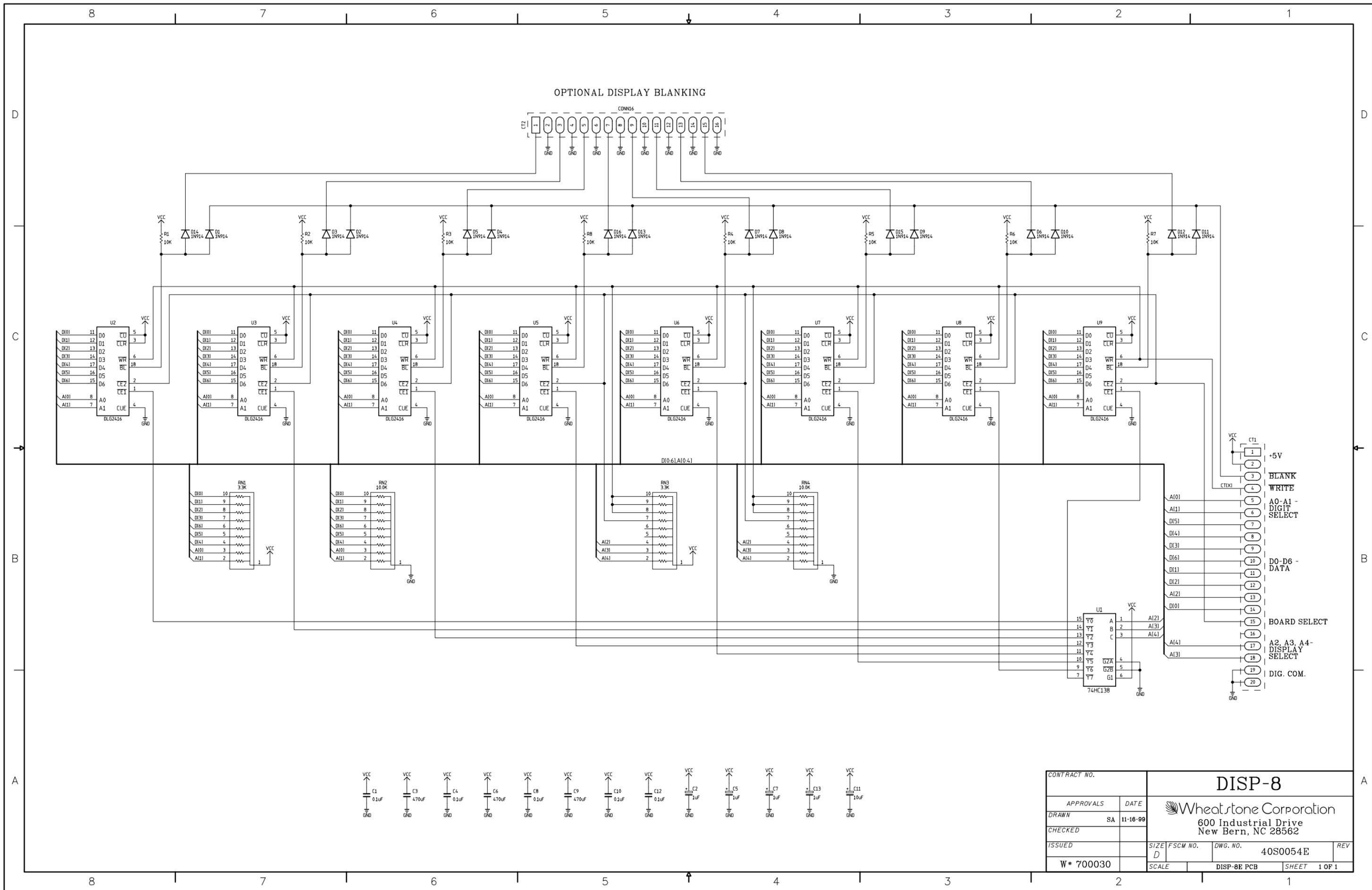
- 1 VCC
- 2 A
- 3 Y
- 4 Z
- 5 2A
- 6 2Y
- 7 VSS



RC-1000 Router Controller Schematic - Sheet 3 of 3

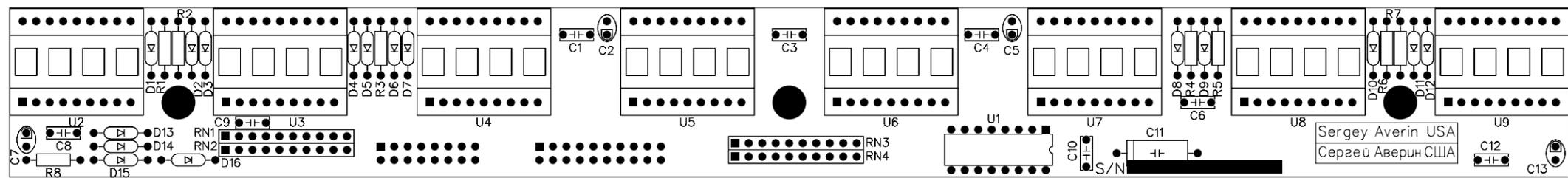


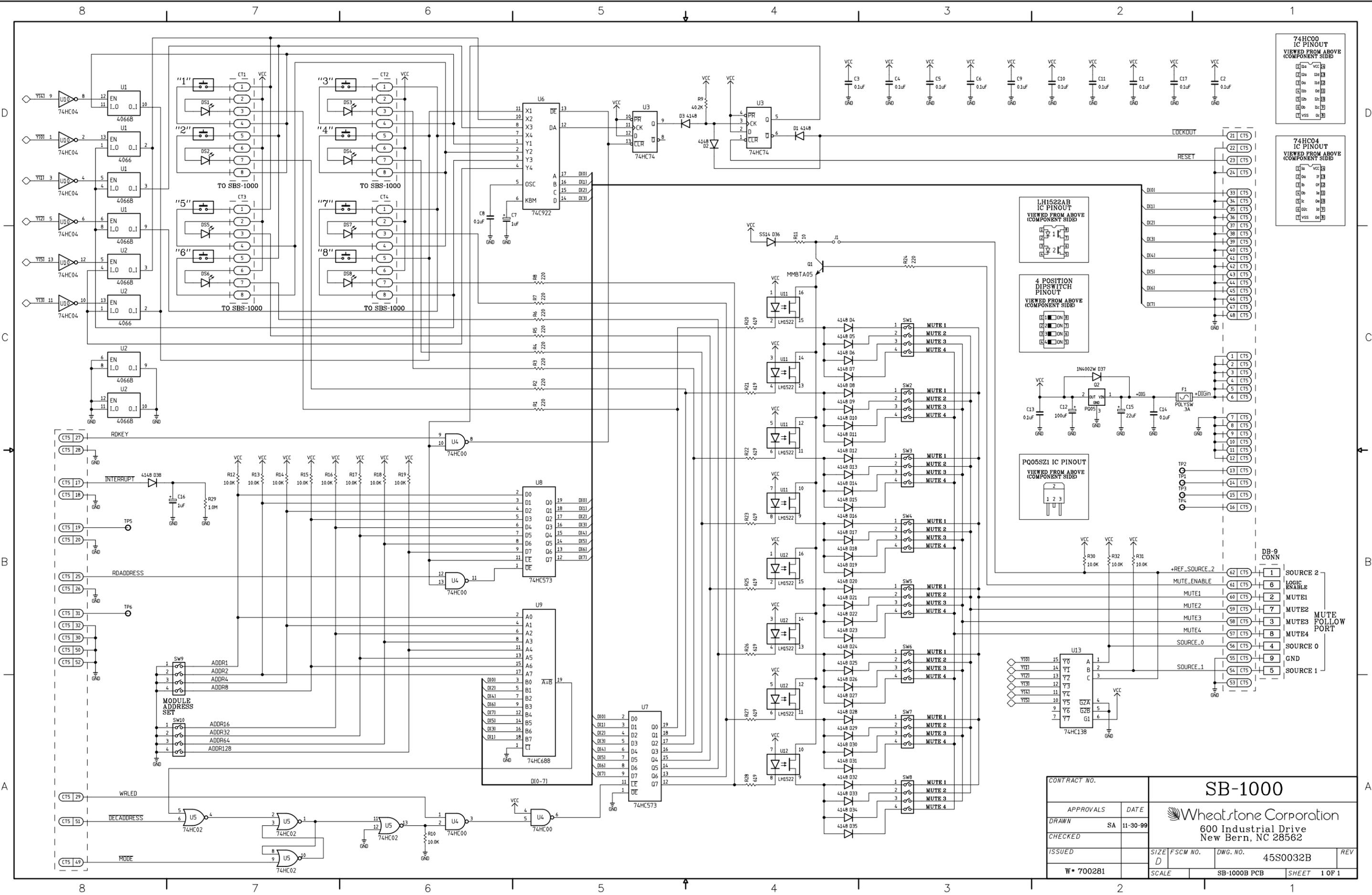
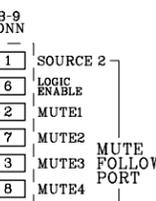
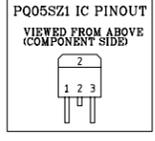
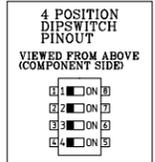
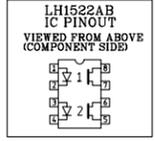
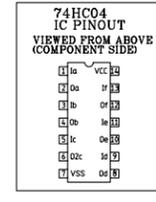
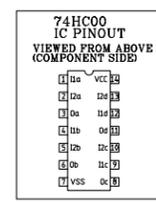
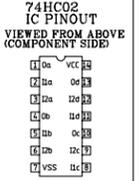
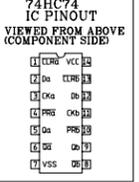
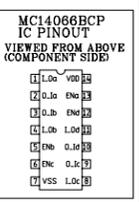
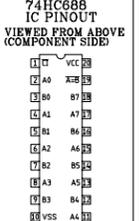
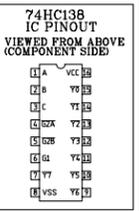
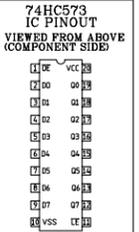
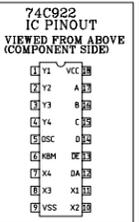




DISP-8 Source Display Schematic - Sheet 1 of 1
(ALPHA NUMERIC DISPLAY LOCATED ON CONSOLE)

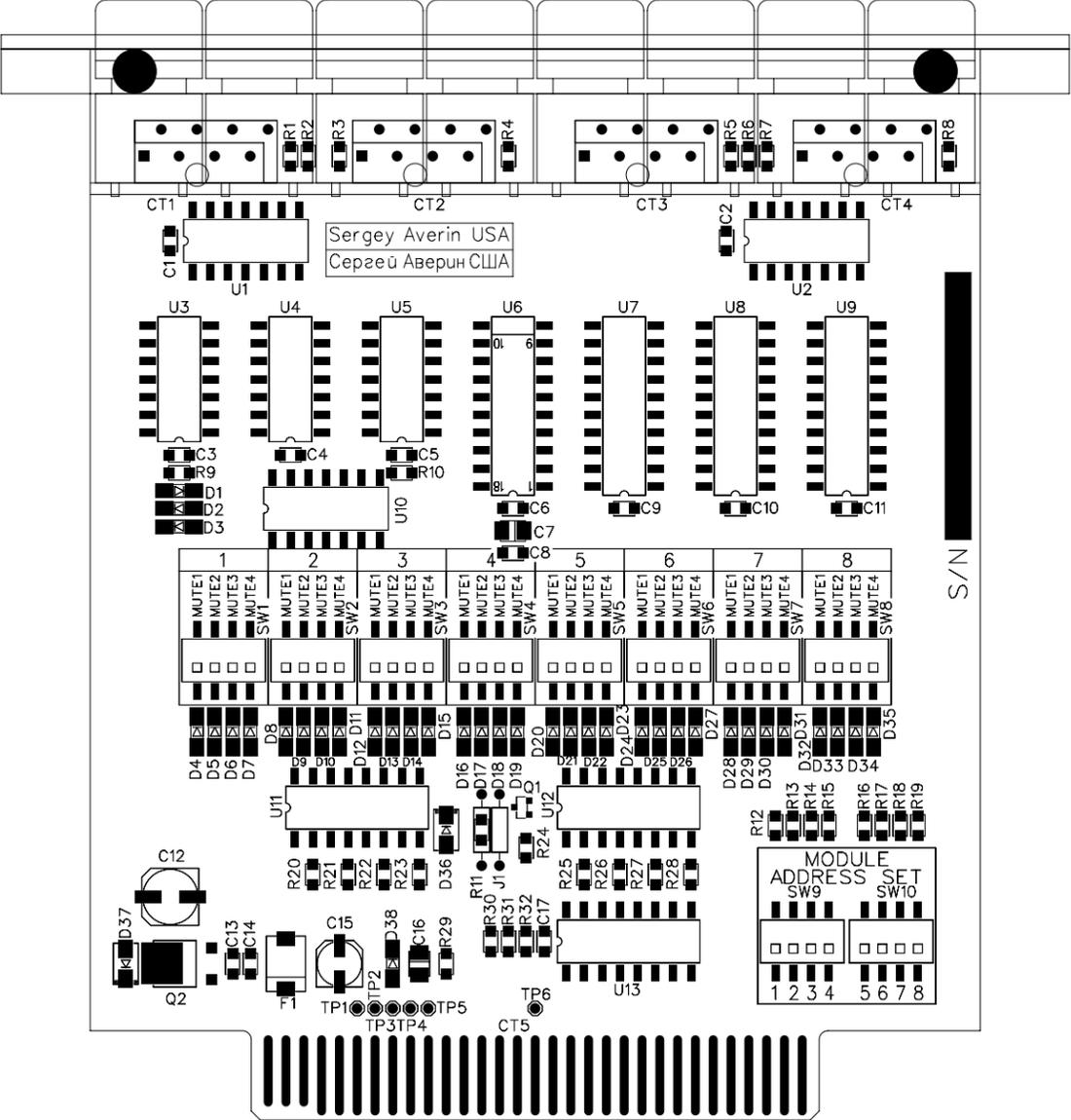
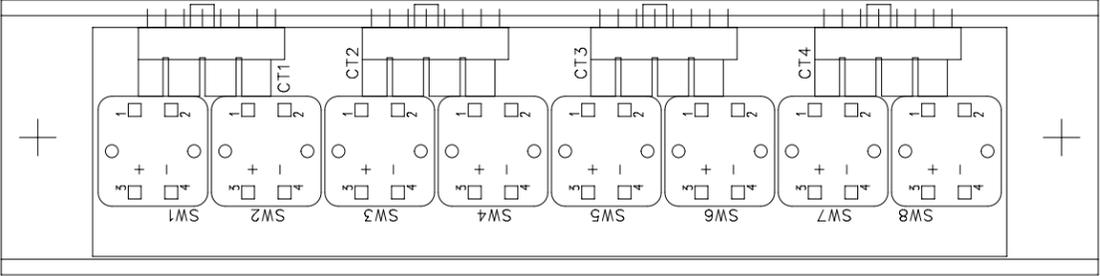
CONTRACT NO.		DISP-8	
APPROVALS	DATE	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN	SA 11-16-99		
CHECKED		SIZE	FSCM NO.
ISSUED		D	DWG. NO. 40S0054E
W# 700030		SCALE	DISP-8E PCB
			SHEET 1 OF 1

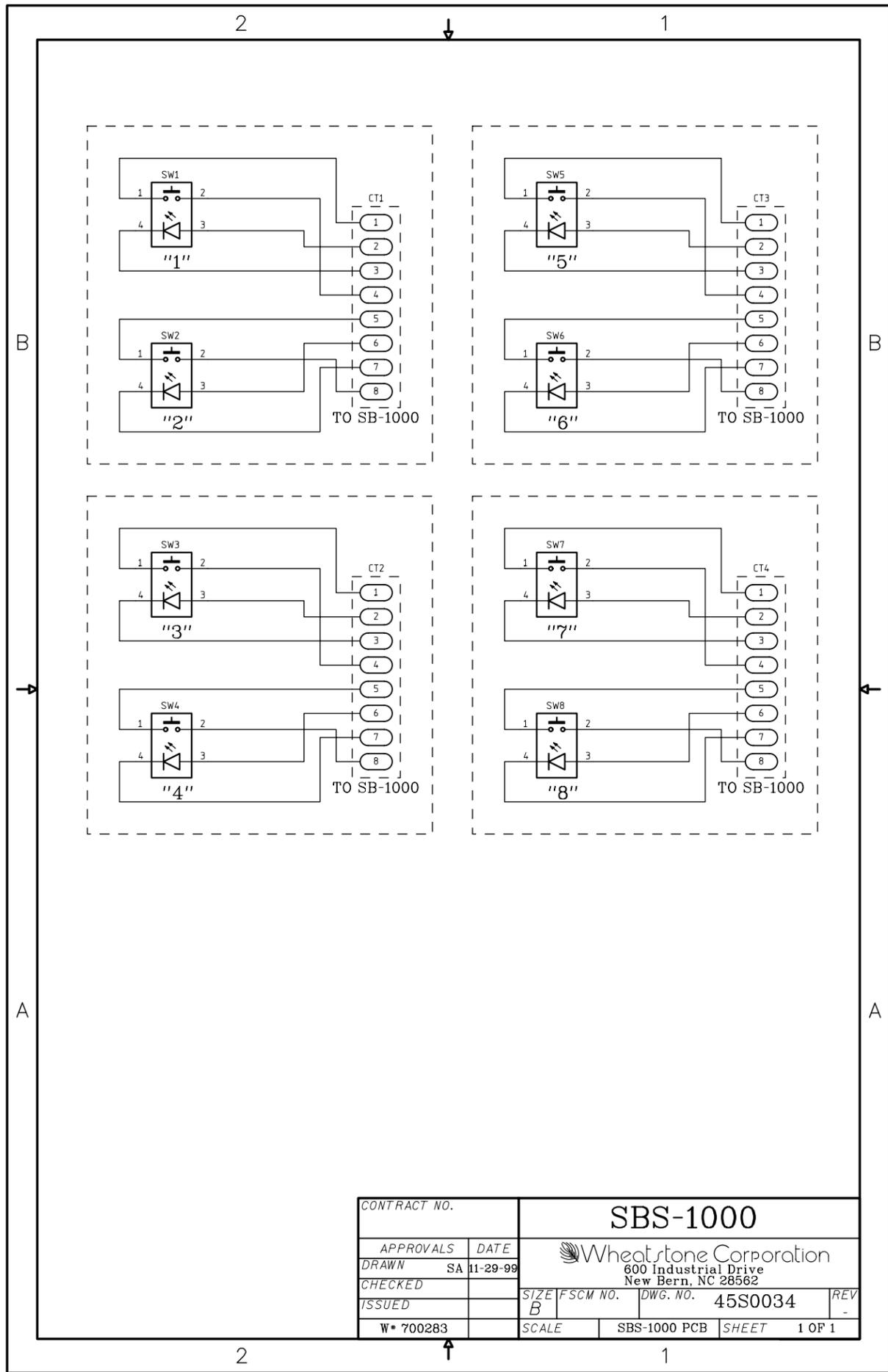




CONTRACT NO.		SB-1000			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 11-30-99				
CHECKED		SIZE	FSCM NO.	DWG. NO.	REV
ISSUED		D		45S0032B	
W * 700281		SCALE	SB-1000B PCB	SHEET 1 OF 1	

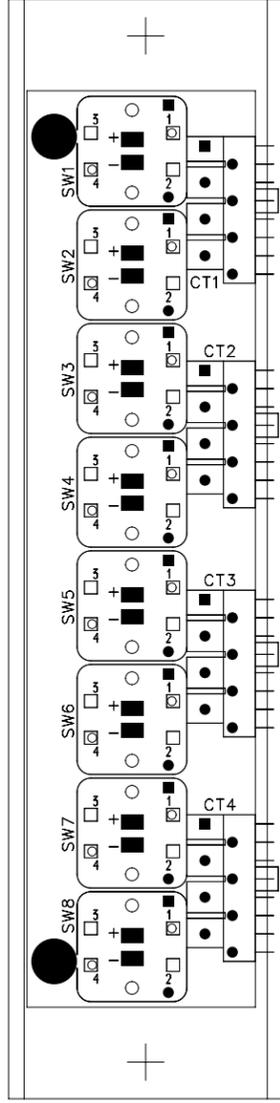
SB-1000 Smart Button Schematic - Sheet 1 of 1

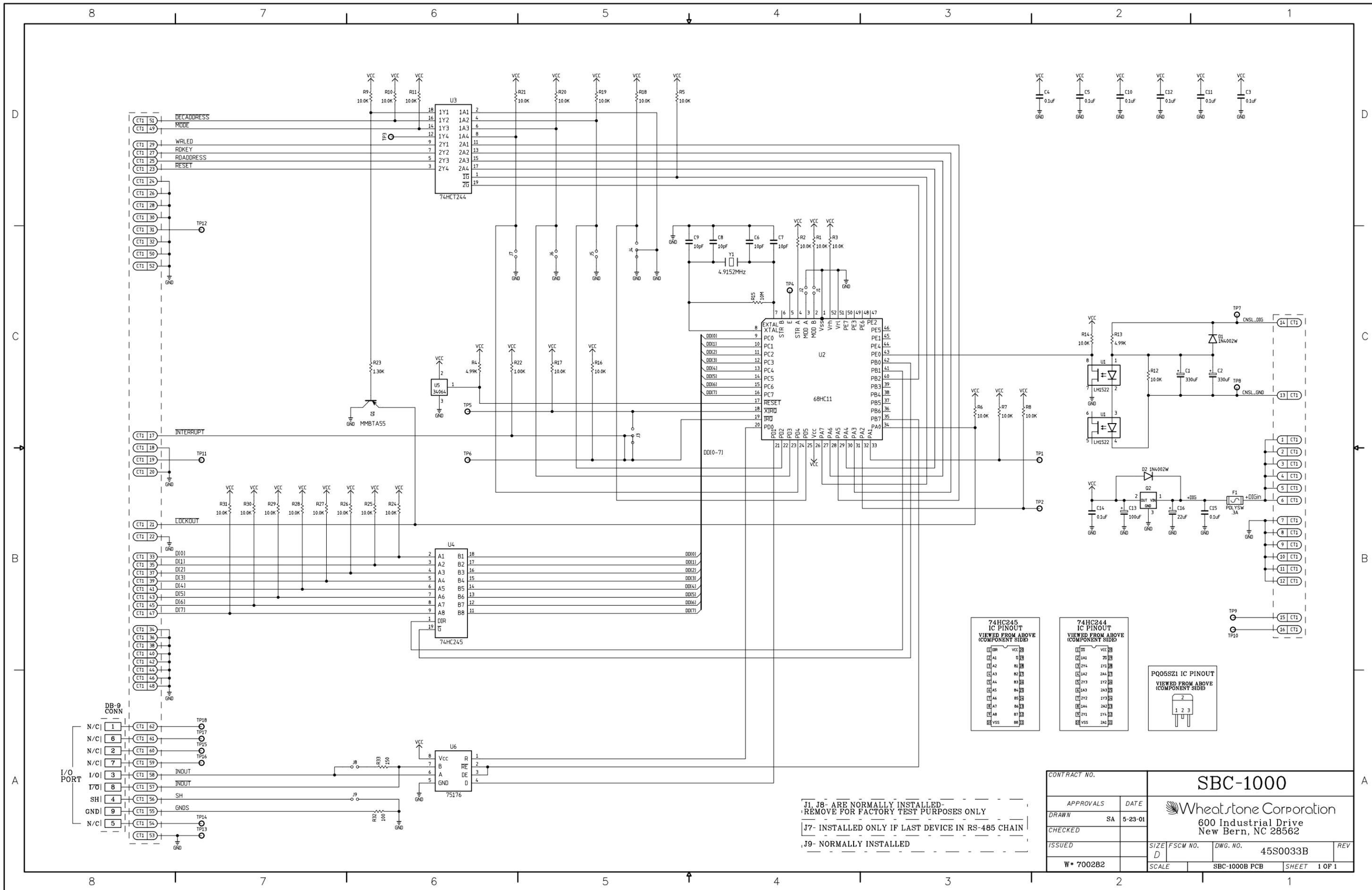




CONTRACT NO.		SBS-1000			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-29-99				
CHECKED		SIZE	FSCM NO.	DWG. NO.	REV
ISSUED		B		45S0034	-
W* 700283		SCALE	SBS-1000 PCB	SHEET	1 OF 1

SBS-1000 Switch Card Schematic - Sheet 1 of 1



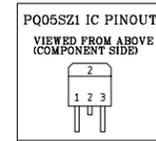


74HC245 IC PINOUT
VIEWED FROM ABOVE
(COMPONENT SIDE)

1	VCC	20
2	A1	5
3	A2	6
4	A3	7
5	A4	8
6	A5	9
7	A6	10
8	A7	11
9	A8	12
10	VSS	13
11	B1	14
12	B2	15
13	B3	16
14	B4	17
15	B5	18
16	B6	19
17	B7	20
18	B8	21
19	D1R	22

74HC244 IC PINOUT
VIEWED FROM ABOVE
(COMPONENT SIDE)

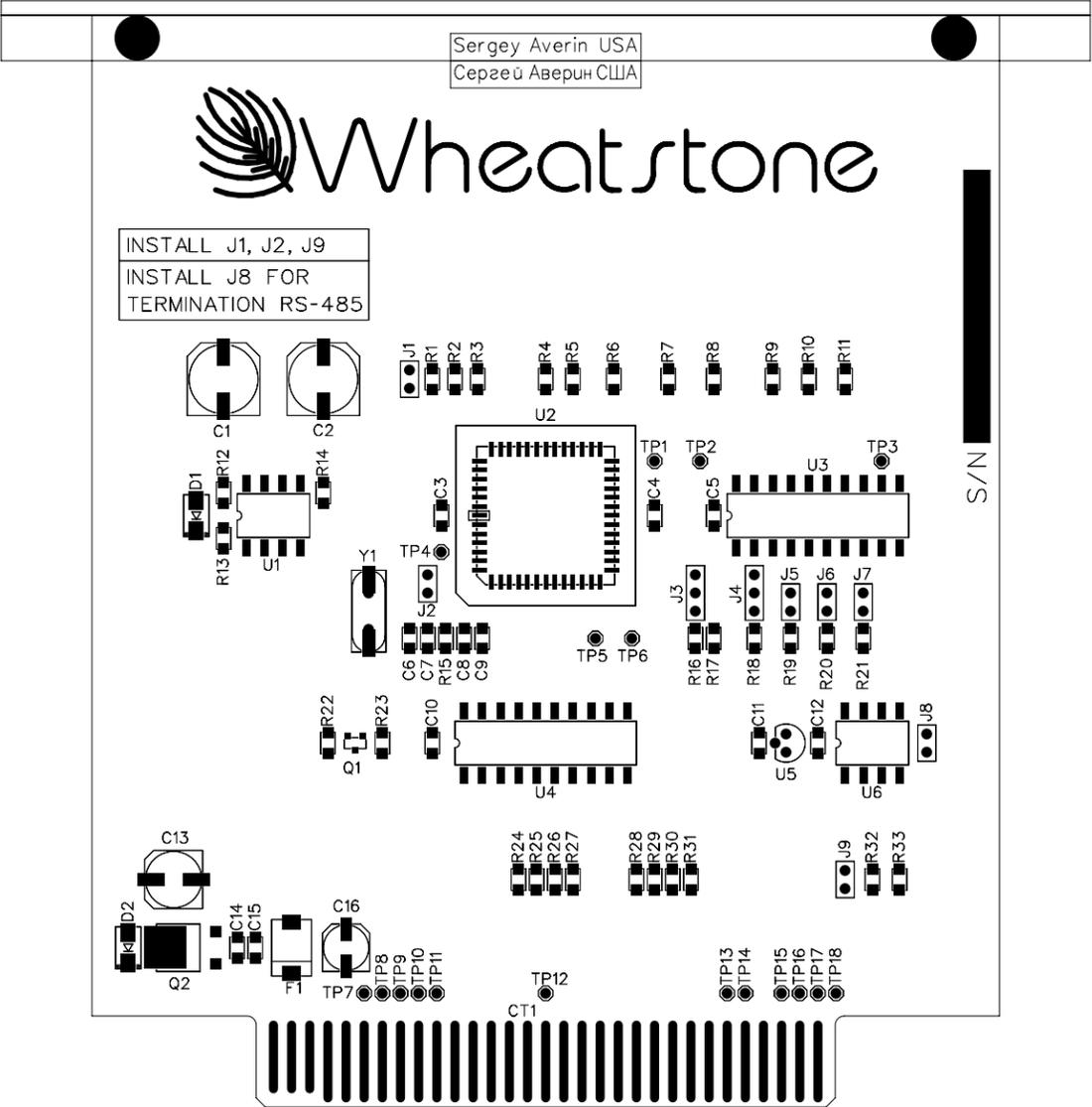
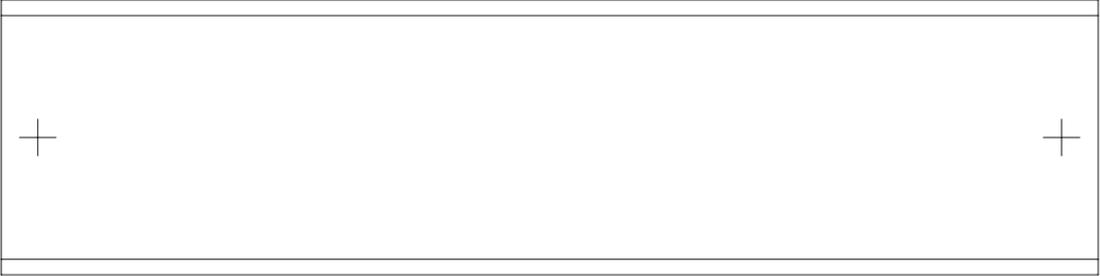
1	VCC	20
2	1A1	5
3	1A2	6
4	1A3	7
5	1A4	8
6	2A1	9
7	2A2	10
8	2A3	11
9	2A4	12
10	1Y1	13
11	1Y2	14
12	1Y3	15
13	1Y4	16
14	2Y1	17
15	2Y2	18
16	2Y3	19
17	2Y4	20
18	1Y1	21
19	1Y2	22
20	VSS	23

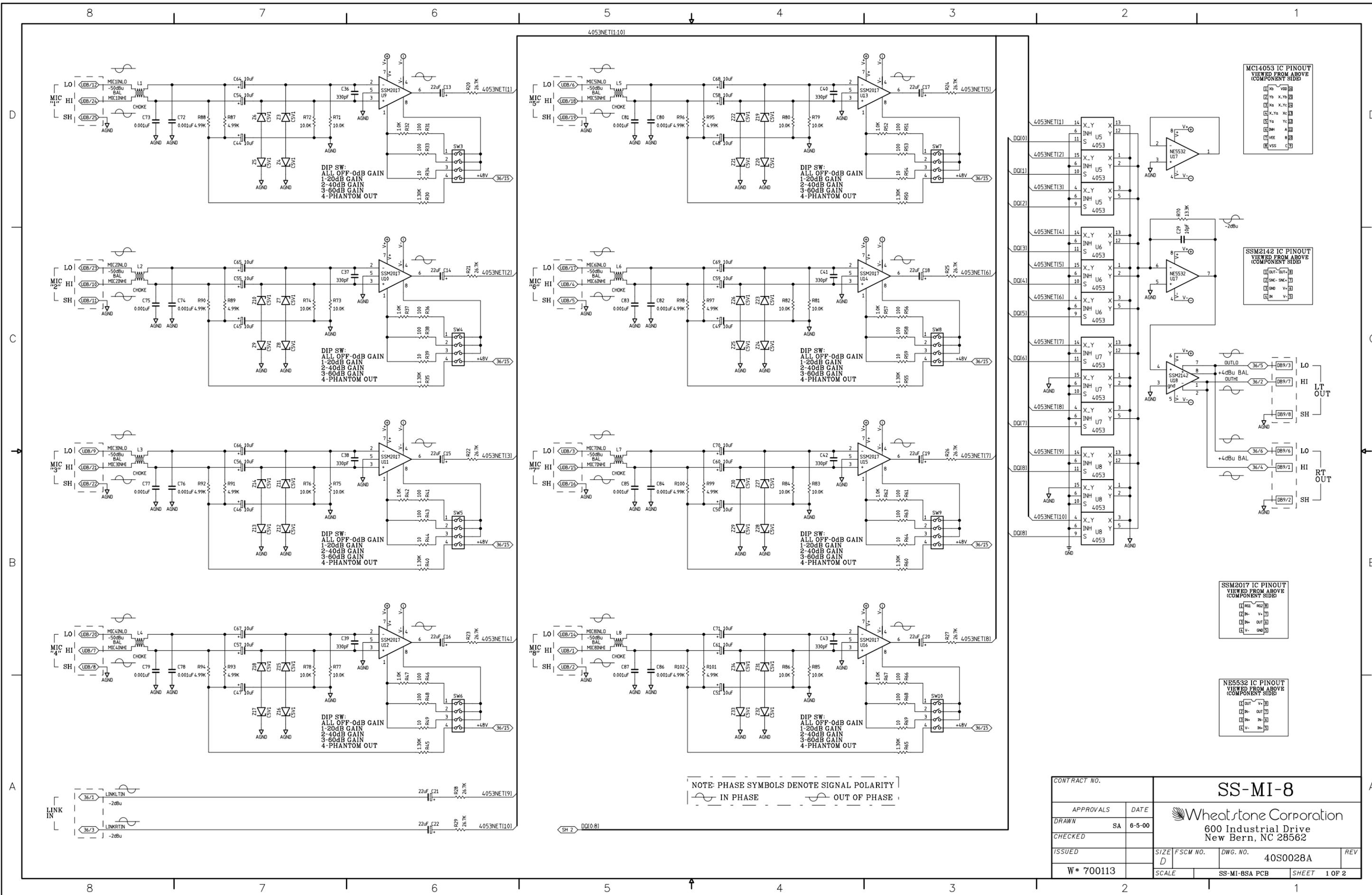


J1, J8 - ARE NORMALLY INSTALLED - REMOVE FOR FACTORY TEST PURPOSES ONLY
 J7 - INSTALLED ONLY IF LAST DEVICE IN RS-485 CHAIN
 J9 - NORMALLY INSTALLED

CONTRACT NO.		SBC-1000	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN SA	5-23-01	600 Industrial Drive	
CHECKED		New Bern, NC 28562	
ISSUED		SIZE D	FSCM NO. 45S0033B
W* 700282	SCALE	DWG. NO.	SHEET 1 OF 1

SBC-1000 Smart Button Controller Schematic - Sheet 1 of 1

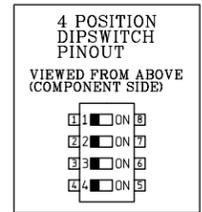
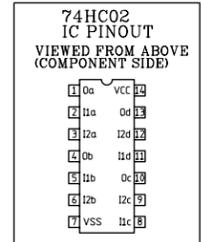
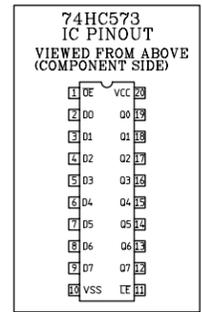
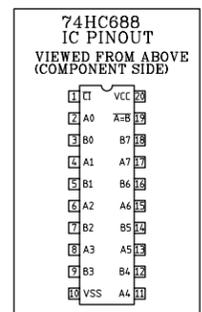
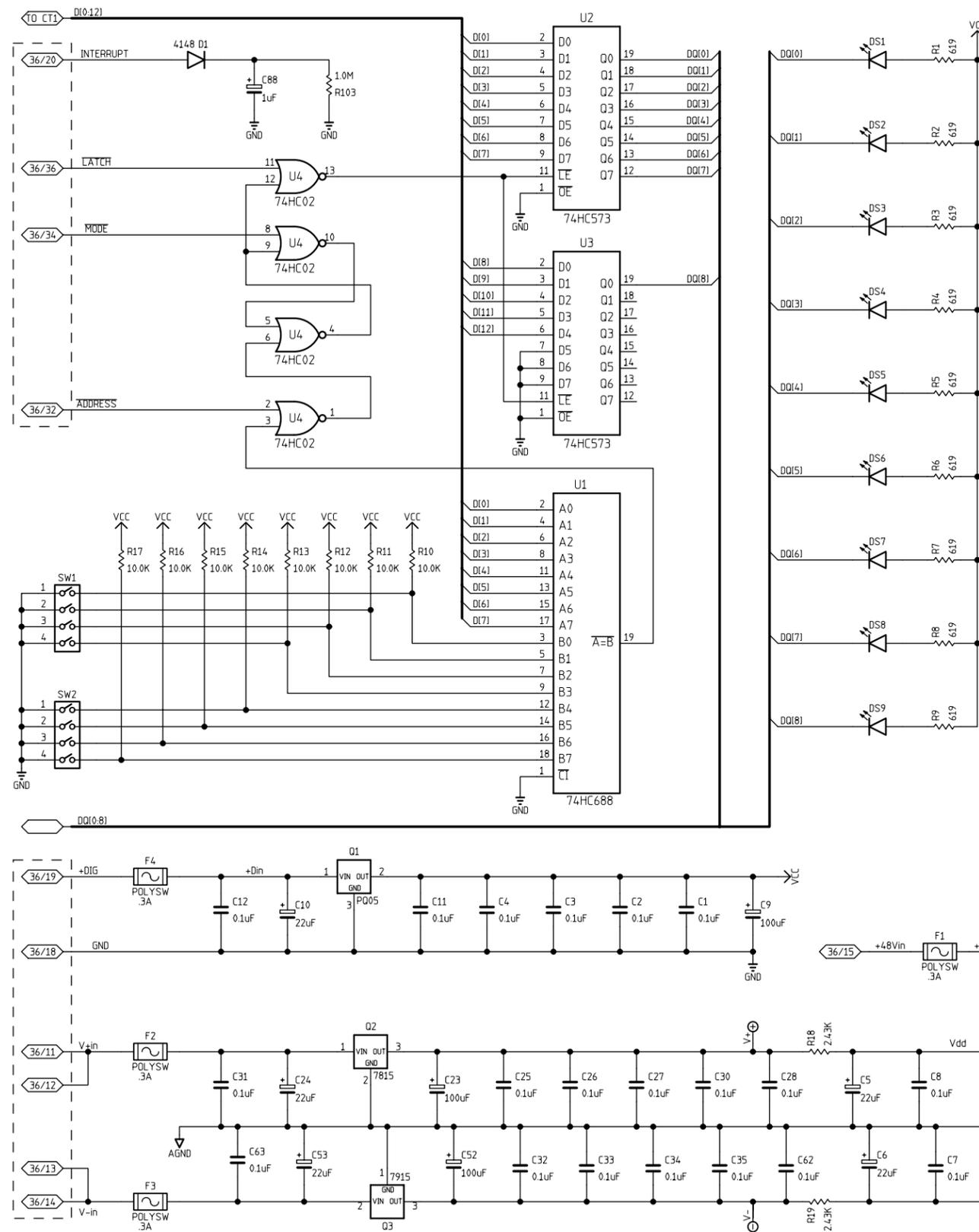




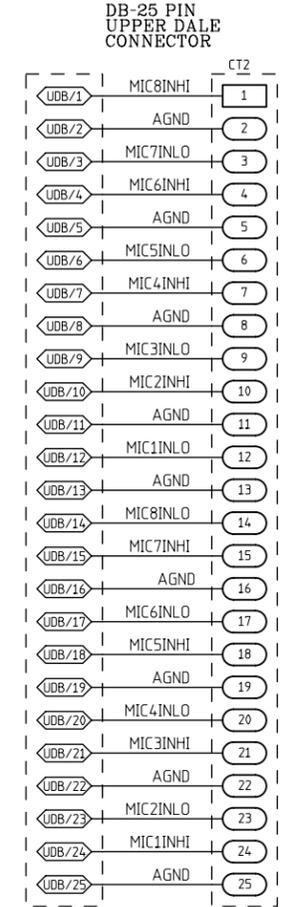
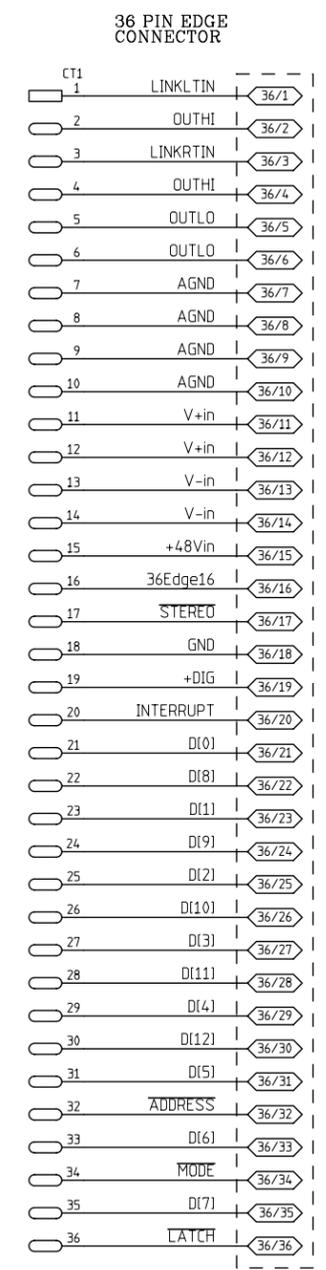
NOTE: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE OUT OF PHASE

CONTRACT NO.		SS-MI-8			
APPROVALS	DATE				
DRAWN	SA 6-5-00	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
CHECKED					
ISSUED		SIZE	FSCM NO.	DWG. NO.	REV
W # 700113		D		40S0028A	
		SCALE	SS-MI-BSA PCB	SHEET	1 OF 2

SS-MI-8 Smart Select Mono Mic/Line Input Module Schematic - Sheet 1 of 2

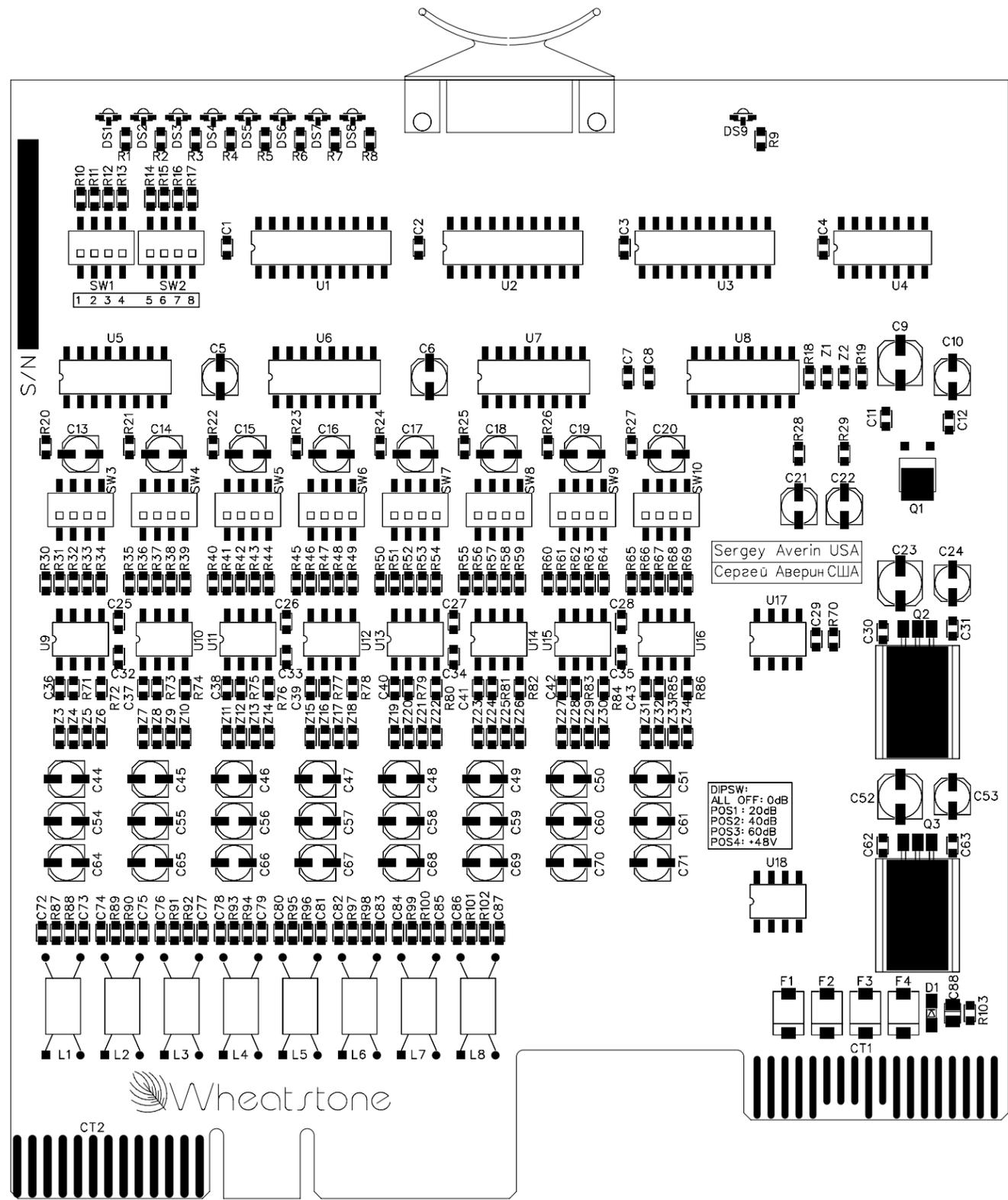


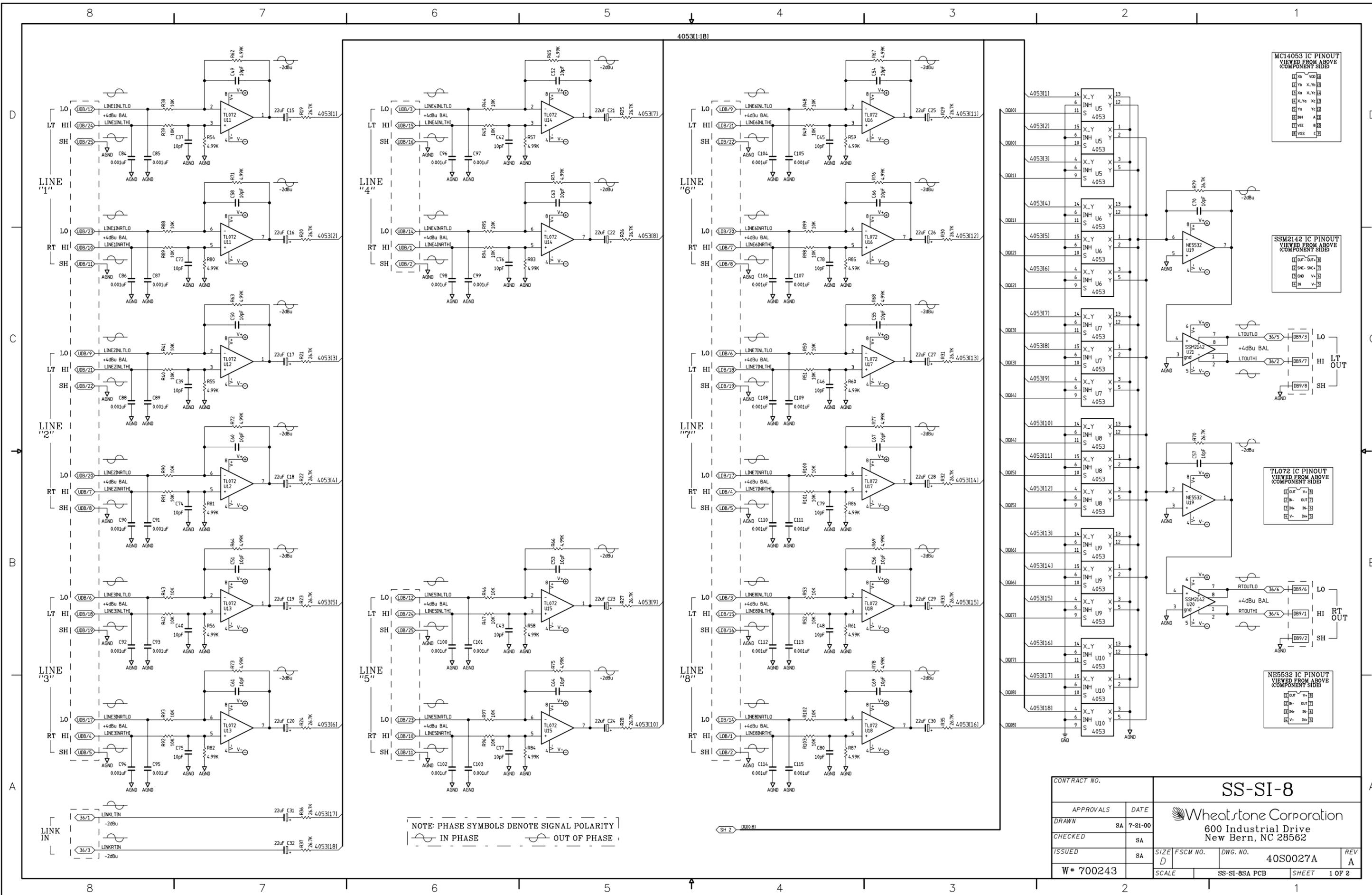
CONNECTORS BUSS CHART



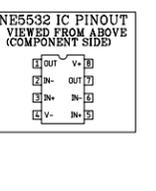
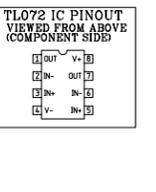
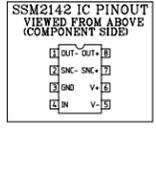
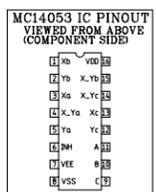
CONTRACT NO.		SS-MI-8			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	6-5-00				
CHECKED					
ISSUED		SIZE C	FSCM NO.	DWG. NO. 40S0024A	REV
W* 700113	SCALE	SS-MI-8SA PCB	SHEET	2 OF 2	

SS-MI-8 Smart Select Mono Mic/Line Input Module Schematic - Sheet 2 of 2





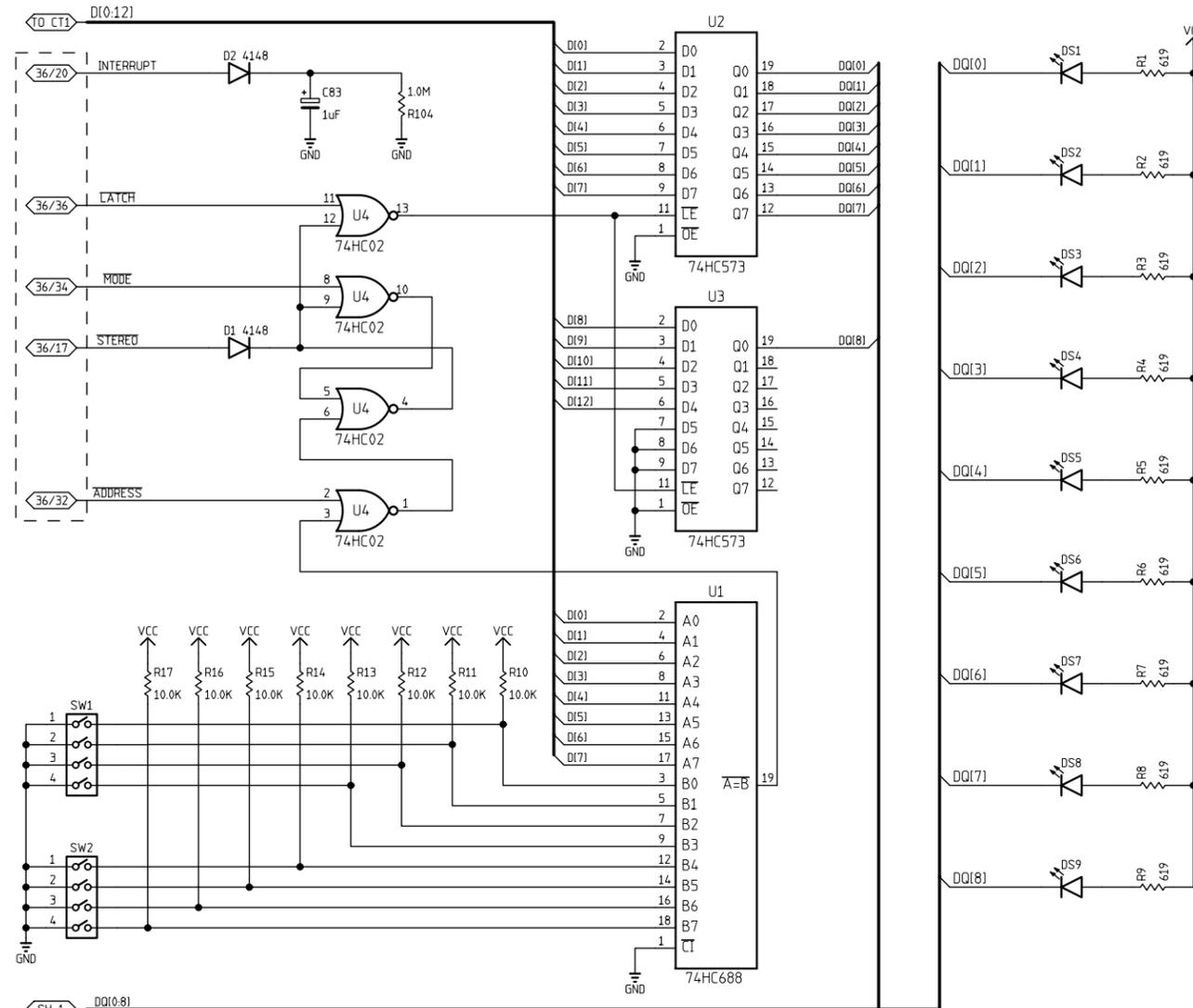
NOTE: PHASE SYMBOLS DENOTE SIGNAL POLARITY
 IN PHASE
 OUT OF PHASE



CONTRACT NO.		SS-SI-8		Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
APPROVALS	DATE				
DRAWN	SA 7-21-00	SIZE	FSCM NO.	DWG. NO.	REV
CHECKED	SA	D		40S0027A	A
ISSUED	SA	SCALE	SS-SI-8SA PCB	SHEET	1 OF 2
W# 700243					

SS-SI-8 Smart Select Stereo Line Input Module Schematic - Sheet 1 of 2

CONNECTORS BUSS CHART



DB-25 PIN UPPER DALE CONNECTOR

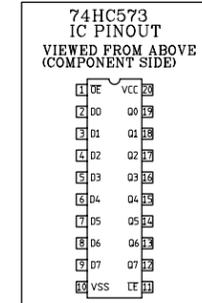
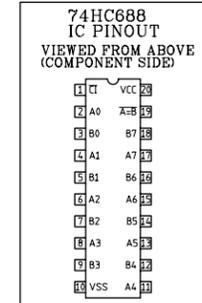
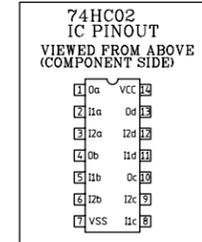
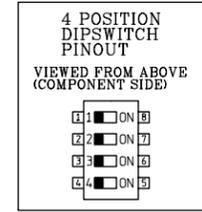
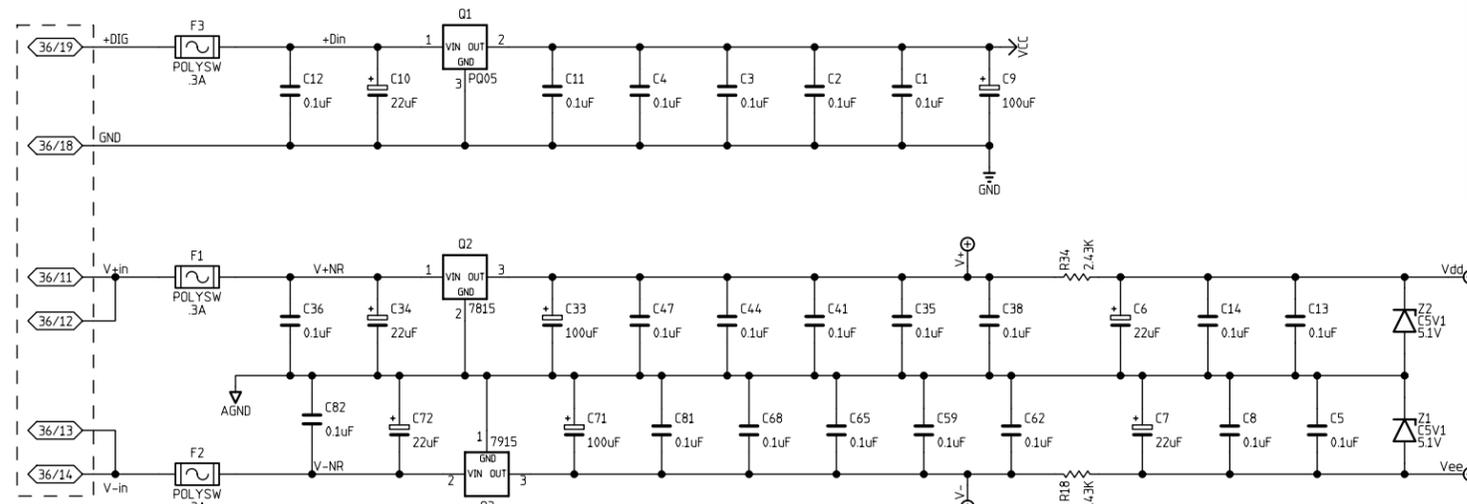
UDB/1	LINE4INRTHI	1
UDB/2	AGND	2
UDB/3	LINE4INLTLO	3
UDB/4	LINE3INRTHI	4
UDB/5	AGND	5
UDB/6	LINE3INLTLO	6
UDB/7	LINE2INRTHI	7
UDB/8	AGND	8
UDB/9	LINE2INLTLO	9
UDB/10	LINE1INRTHI	10
UDB/11	AGND	11
UDB/12	LINE1INLTLO	12
UDB/13	AGND	13
UDB/14	LINE4INRTLO	14
UDB/15	LINE4INLTHI	15
UDB/16	AGND	16
UDB/17	LINE3INRTLO	17
UDB/18	LINE3INLTHI	18
UDB/19	AGND	19
UDB/20	LINE2INRTLO	20
UDB/21	LINE2INLTHI	21
UDB/22	AGND	22
UDB/23	LINE1INRTLO	23
UDB/24	LINE1INLTHI	24
UDB/25	AGND	25

DB-25 PIN LOWER DALE CONNECTOR

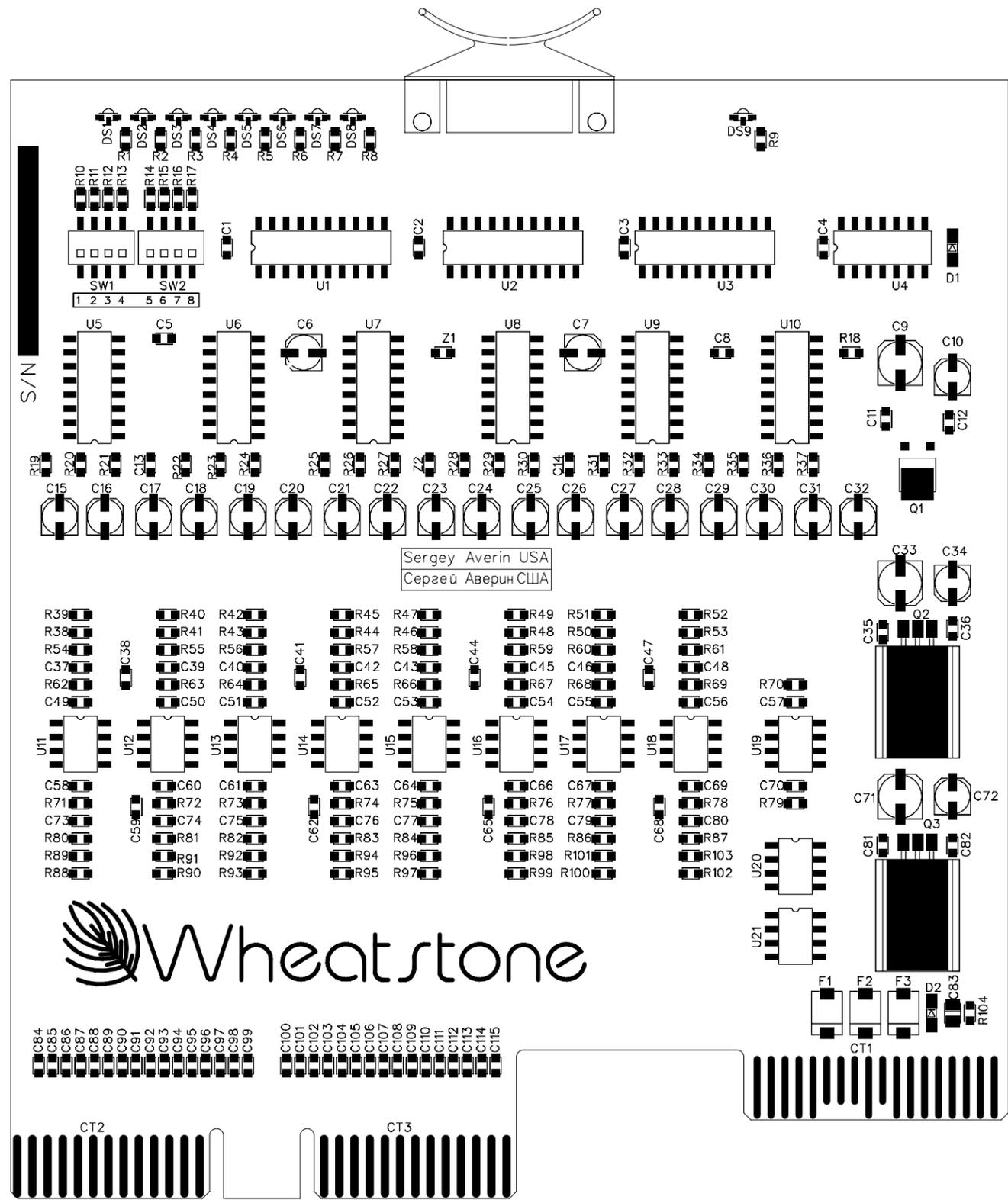
LDB/1	LINE8INRTHI	1
LDB/2	AGND	2
LDB/3	LINE8INLTLO	3
LDB/4	LINE7INRTHI	4
LDB/5	AGND	5
LDB/6	LINE7INLTLO	6
LDB/7	LINE6INRTHI	7
LDB/8	AGND	8
LDB/9	LINE6INLTLO	9
LDB/10	LINE5INRTHI	10
LDB/11	AGND	11
LDB/12	LINE5INLTLO	12
LDB/13	AGND	13
LDB/14	LINE8INRTLO	14
LDB/15	LINE8INLTHI	15
LDB/16	AGND	16
LDB/17	LINE7INRTLO	17
LDB/18	LINE7INLTHI	18
LDB/19	AGND	19
LDB/20	LINE6INRTLO	20
LDB/21	LINE6INLTHI	21
LDB/22	AGND	22
LDB/23	LINE5INRTLO	23
LDB/24	LINE5INLTHI	24
LDB/25	AGND	25

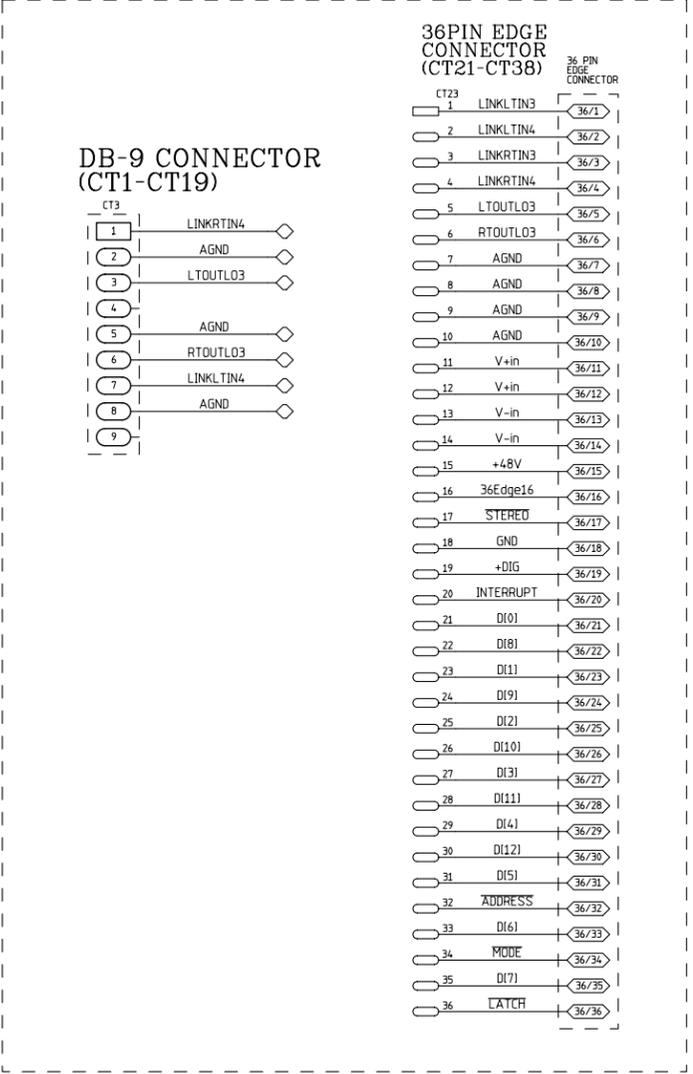
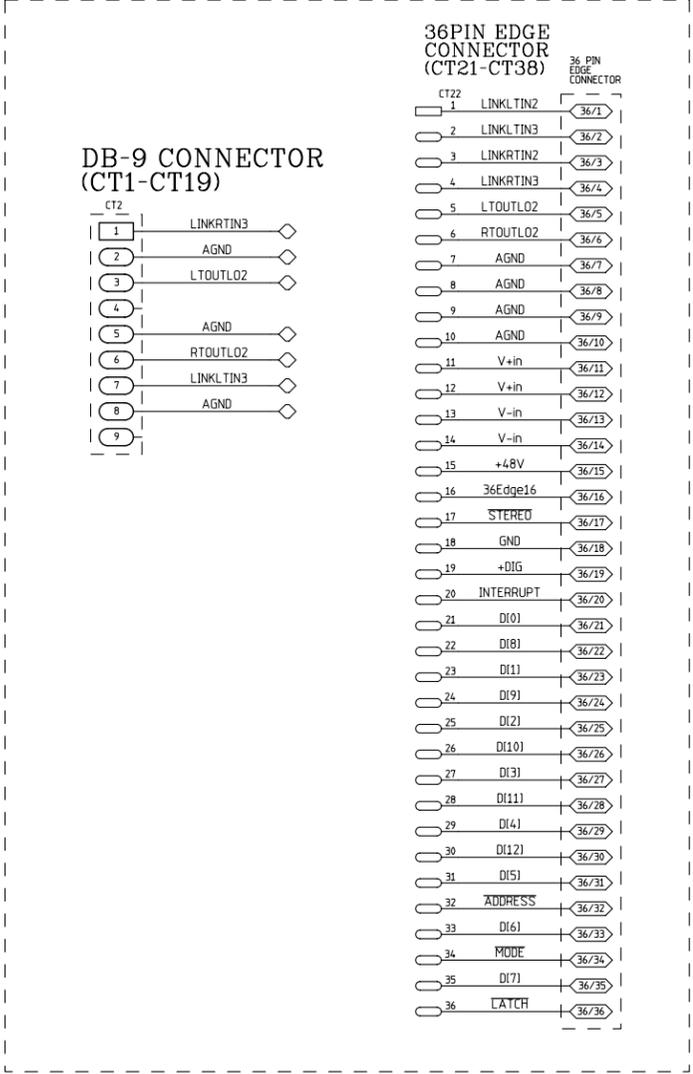
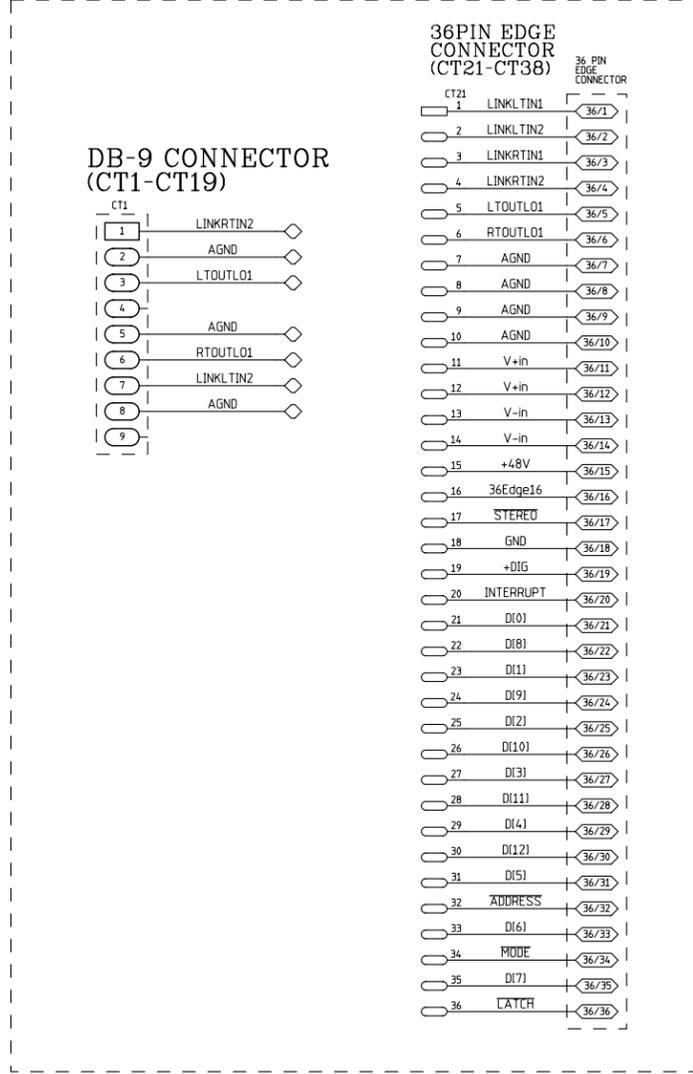
36 PIN EDGE CONNECTOR

CT1	1	LINKLTIN	36/1
	2	LTOUTH	36/2
	3	LINKRTIN	36/3
	4	RTOUTH	36/4
	5	LTOUTLO	36/5
	6	RTOUTLO	36/6
	7	AGND	36/7
	8	AGND	36/8
	9	AGND	36/9
	10	AGND	36/10
	11	V+in	36/11
	12	V+in	36/12
	13	V-in	36/13
	14	V-in	36/14
	15	+48V	36/15
	16	36Edge16	36/16
	17	STEREO	36/17
	18	GND	36/18
	19	+DIG	36/19
	20	INTERRUPT	36/20
	21	DI(0)	36/21
	22	DI(8)	36/22
	23	DI(1)	36/23
	24	DI(9)	36/24
	25	DI(2)	36/25
	26	DI(10)	36/26
	27	DI(3)	36/27
	28	DI(11)	36/28
	29	DI(4)	36/29
	30	DI(12)	36/30
	31	DI(5)	36/31
	32	ADDRESS	36/32
	33	DI(6)	36/33
	34	MODE	36/34
	35	DI(7)	36/35
	36	LATCH	36/36

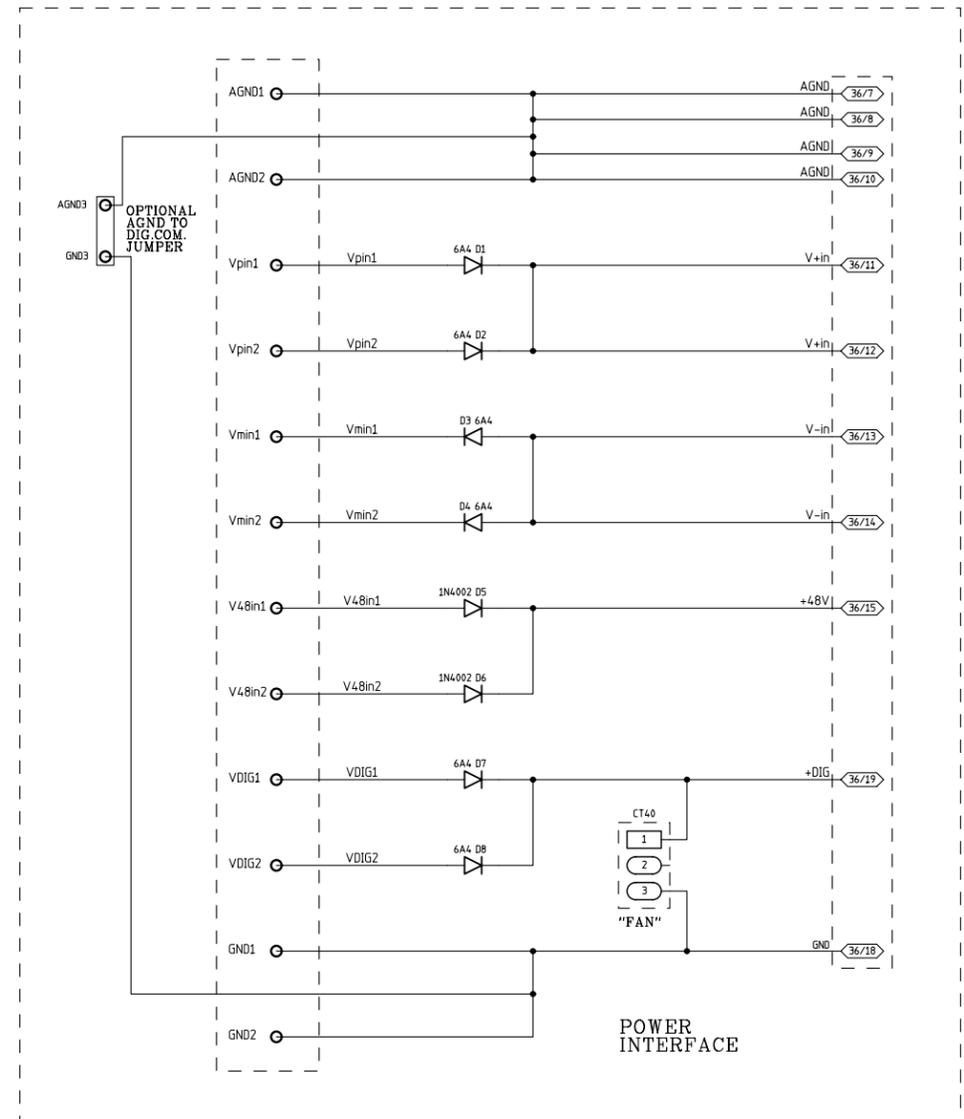
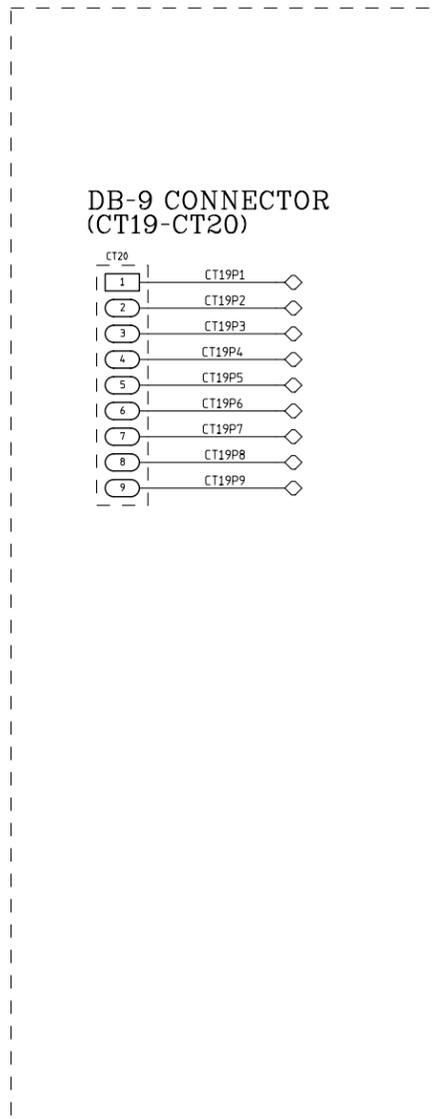
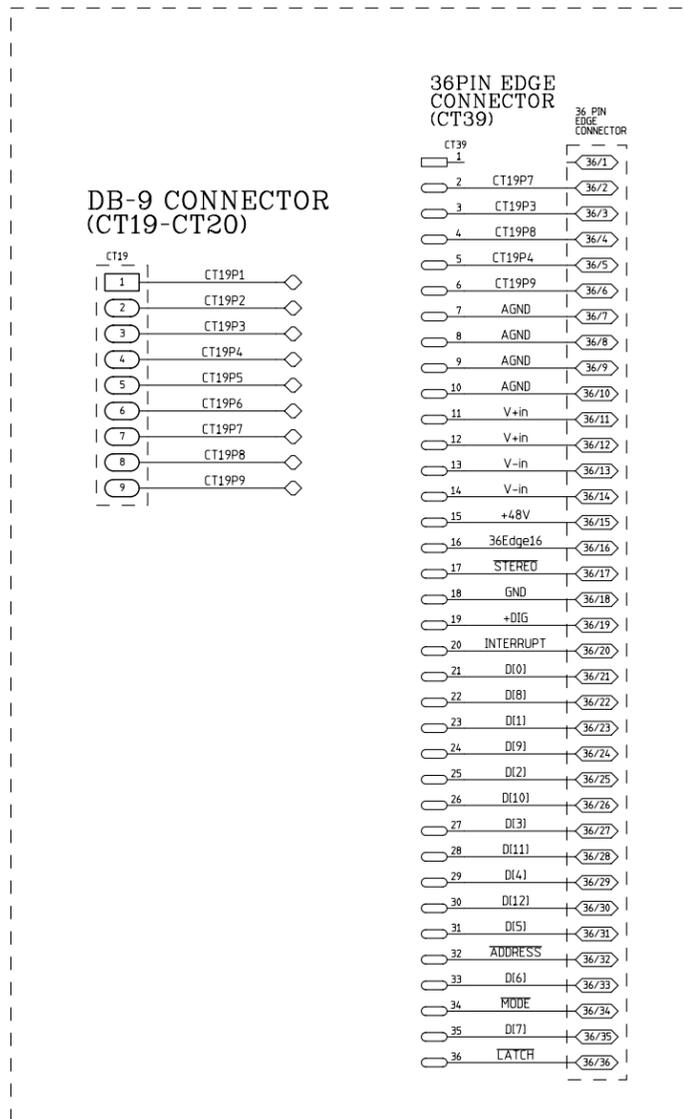


CONTRACT NO.		SS-SI-8	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN SA	7-21-00	600 Industrial Drive	
CHECKED SA		New Bern, NC 28562	
ISSUED SA		SIZE FSCM NO. C	DWG. NO. 40S0023A
W# 700243	SCALE	SS-SI-8SA PCB	SHEET 2 OF 2

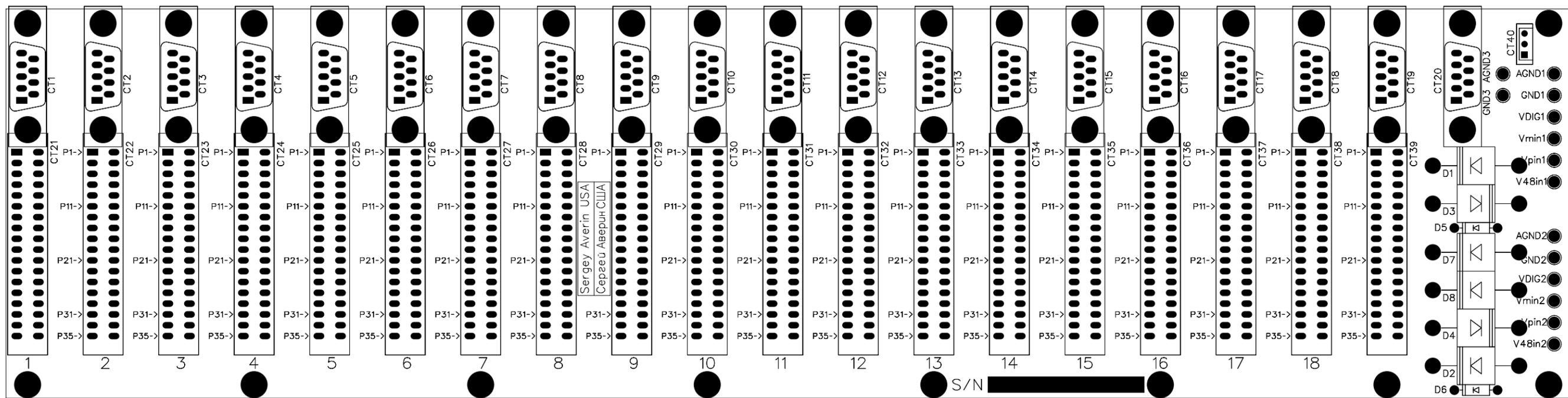


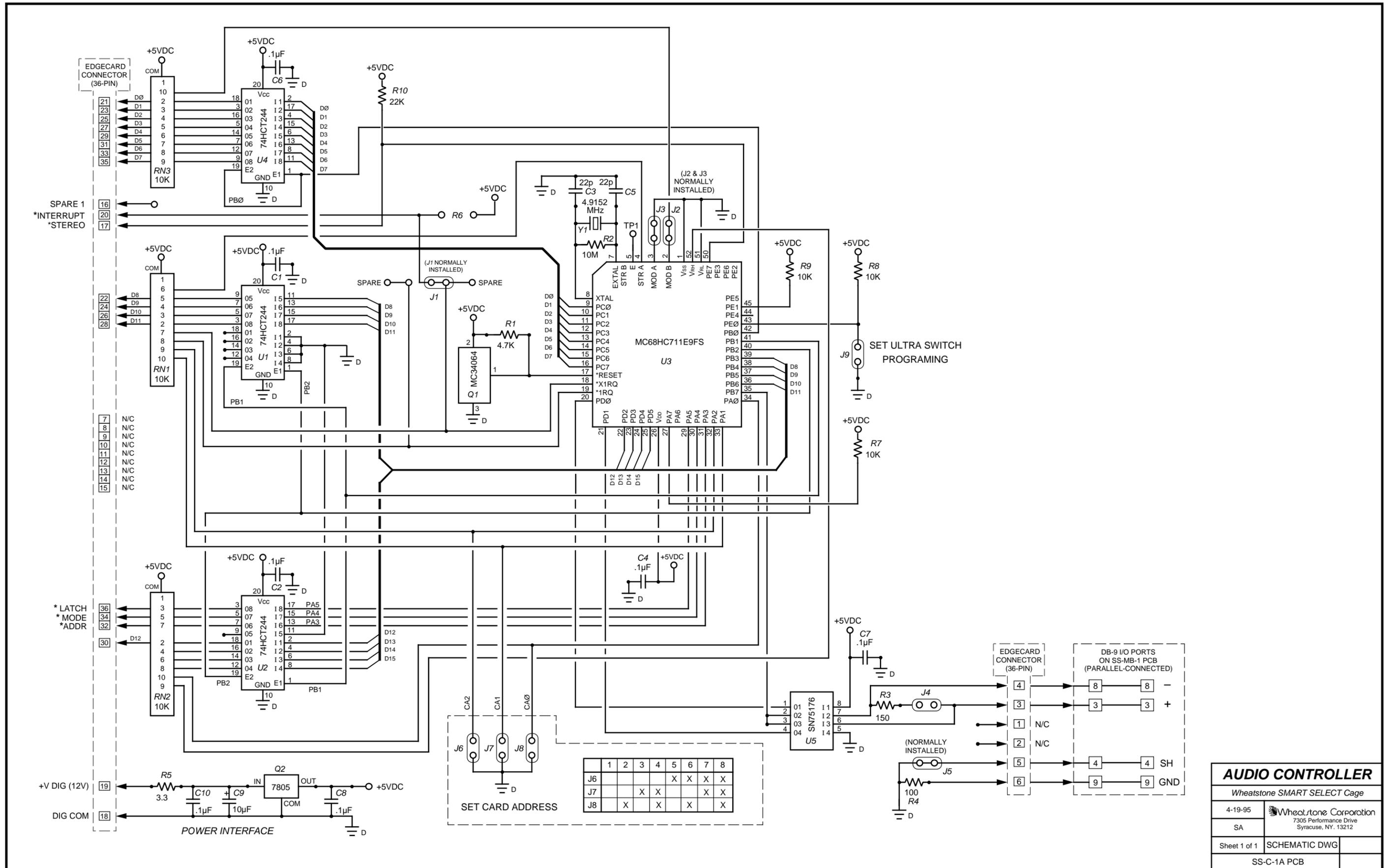


CONTRACT NO.		SS-MB-1			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 11-10-99				
CHECKED					
ISSUED		SIZE	FSCM NO.	DWG. NO.	REV
W* 700116		D		40S0046	
		SCALE	SS-MB-1B PCB		SHEET 1 OF 7



CONTRACT NO.		SS-MB-1			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	11-10-99	SIZE D	FSCM NO.	DWG. NO. 40S0052	REV
CHECKED		SCALE	SS-MB-1B PCB	SHEET 7 OF 7	
ISSUED					
W* 700116					





AUDIO CONTROLLER
 Wheatstone SMART SELECT Cage

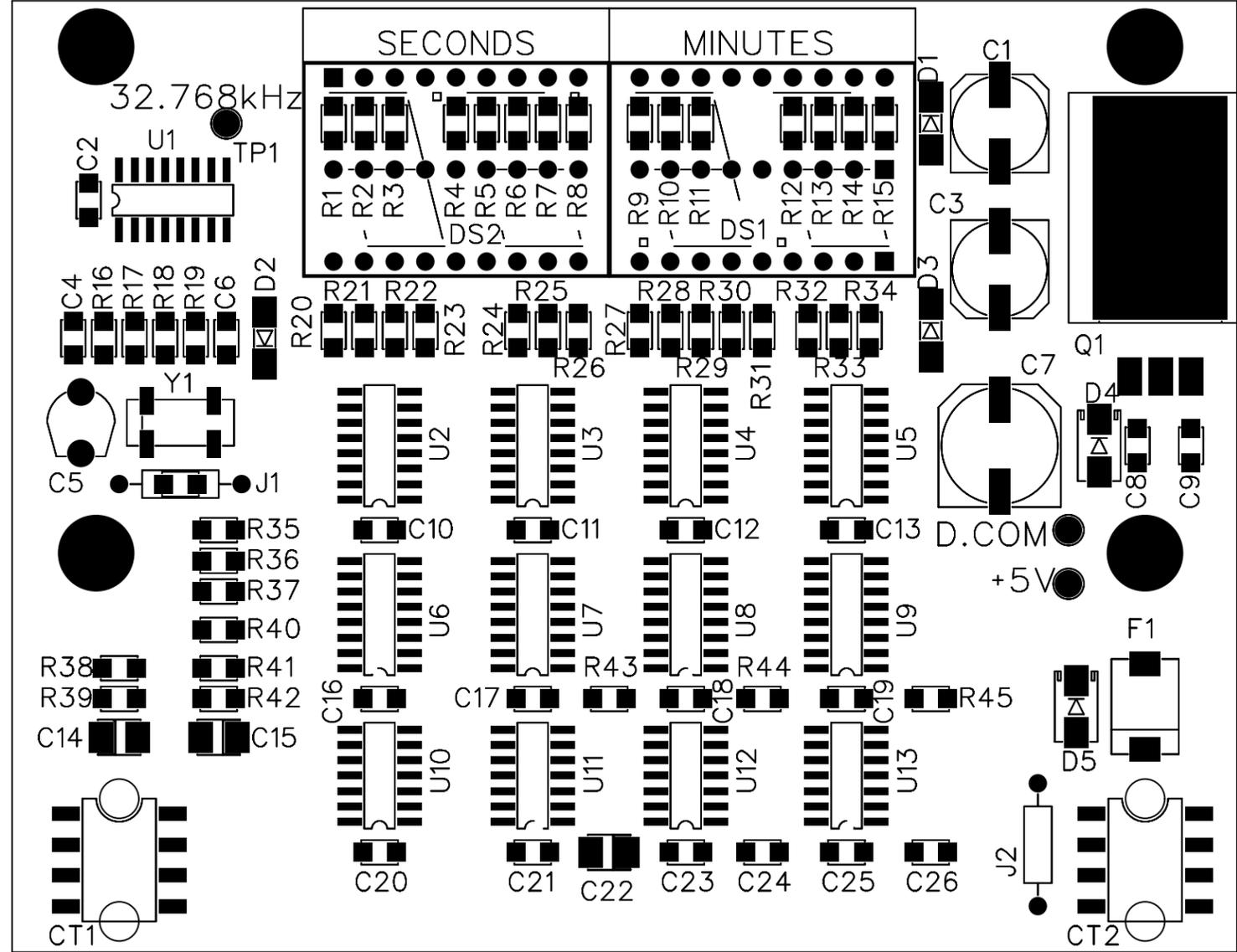
4-19-95	Wheatstone Corporation 7305 Performance Drive Syracuse, NY, 13212
SA	
Sheet 1 of 1	SCHEMATIC DWG
SS-C-1A PCB	

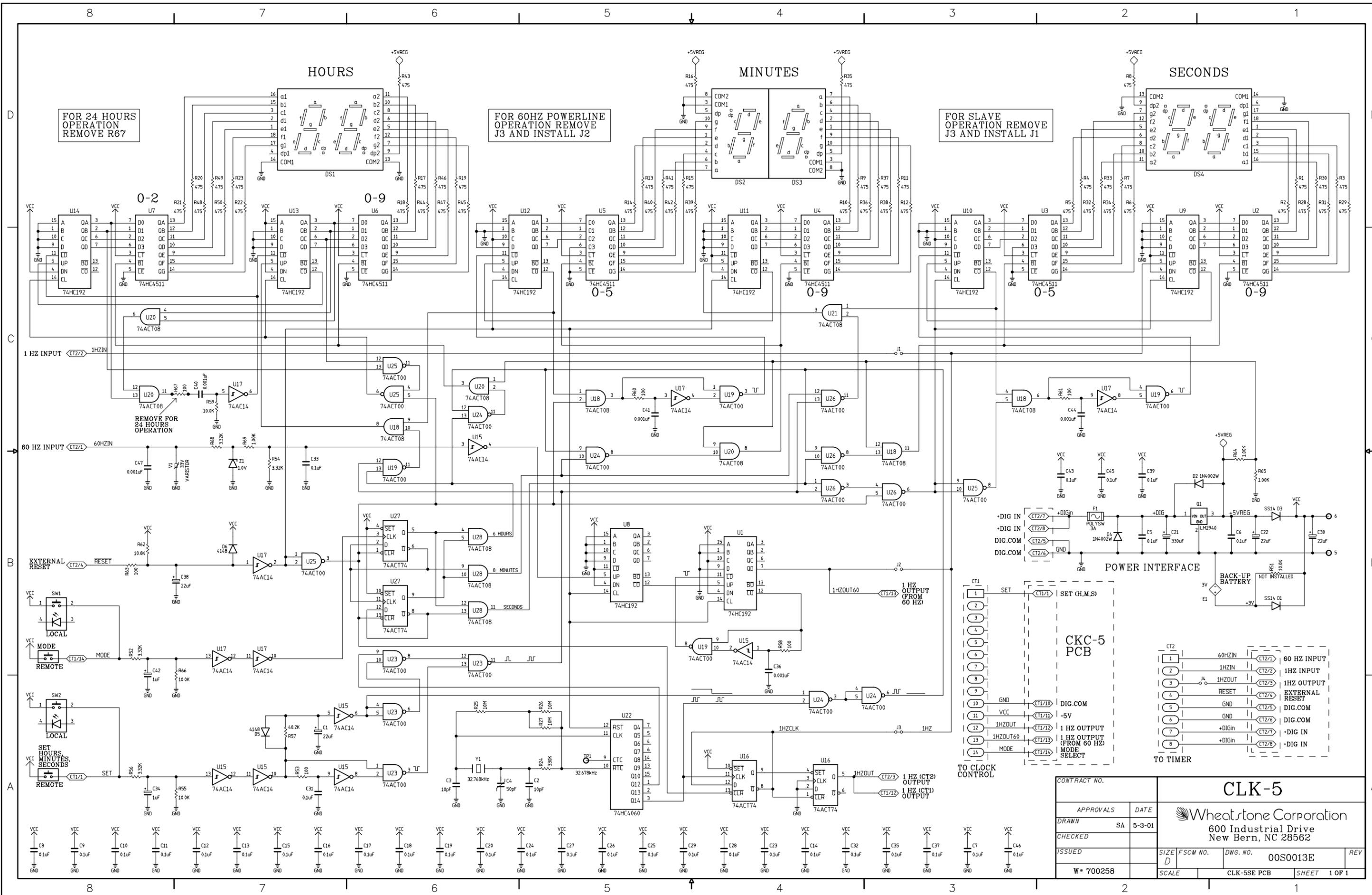
SS-C-1A Smart Switch Audio Controller Card – Schematic



AUDIO CONTROLLI		
Wheatstone SMART SELECT Cage		
12-15-97	 Wheatstone Corporation 7305 Performance Drive Syracuse, NY 13212	
MS		
Sheet 1 of 1	SS-C-1A PCB	
PCB Component Pictorial		

Pages 146 and 147 have been deleted





CLK-5 PCB

1	SET	CT1/1	SET (H.M.S)
2			
3			
4			
5			
6	60HZIN	CT2/2	60 HZ INPUT
7	1HZIN	CT2/2	1 HZ INPUT
8	1HZOUT	CT2/3	1 HZ OUTPUT
9	RESET	CT2/4	EXTERNAL RESET
10			
11	GND	CT2/5	DIG.COM
12	1HZOUT	CT2/12	1 HZ OUTPUT
13	1HZOUT60	CT2/13	1 HZ OUTPUT (FROM 60 HZ)
14	MODE	CT2/14	MODE SELECT

TO CLOCK CONTROL

TO TIMER

CONTRACT NO.		CLK-5			
APPROVALS	DATE	 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	5-3-01				
CHECKED		SIZE D	FSCM NO.	DWG. NO. 00S0013E	REV
ISSUED		SCALE	CLK-5SE PCB	SHEET 1 OF 1	
W* 700258					

Clock Schematic - Sheet 1 of 1

