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# **TV-1000 Audio Console TECHNICAL DRAWINGS**

**TV-1000 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

# TV-1000 Technical Drawings

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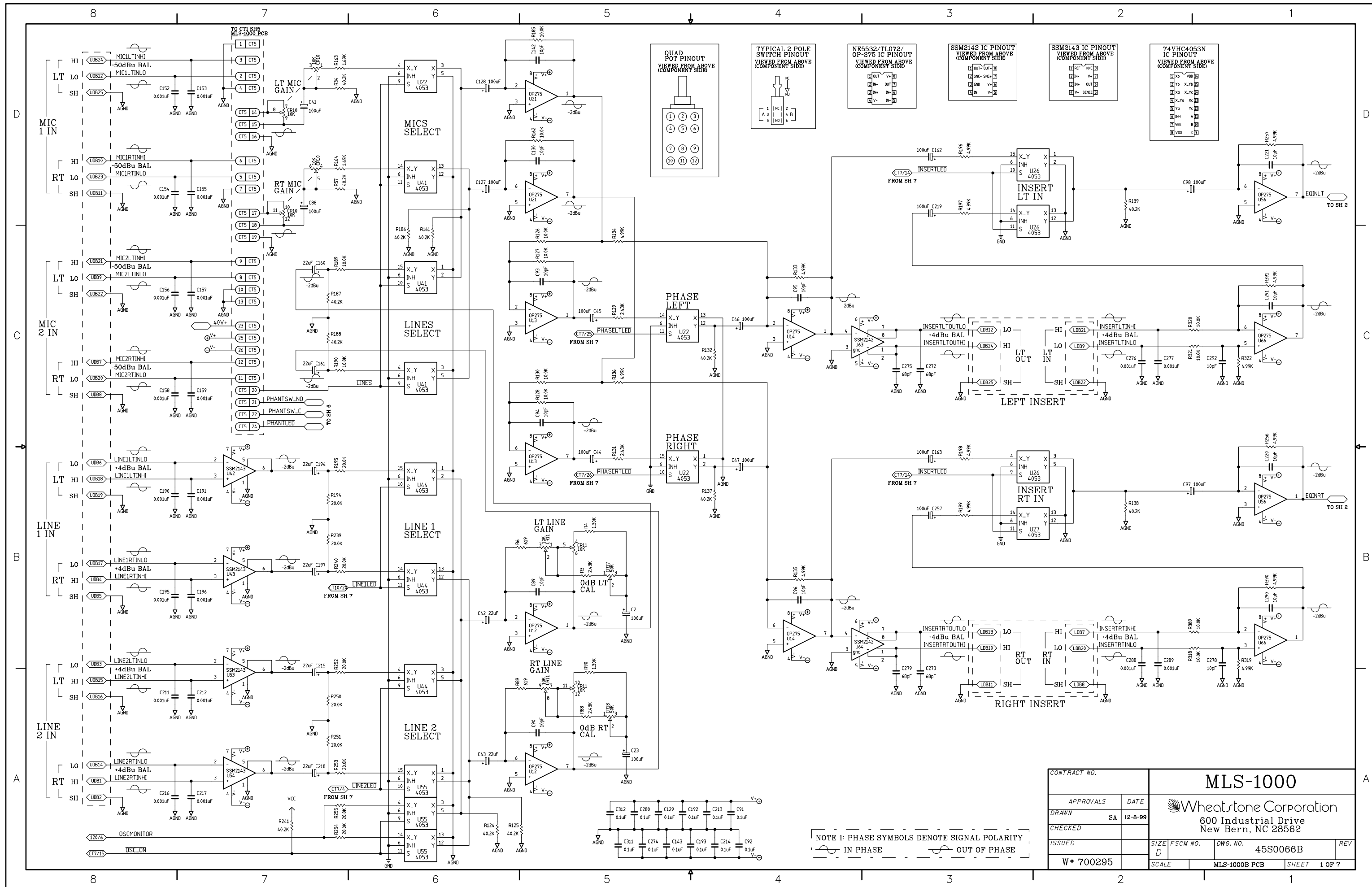
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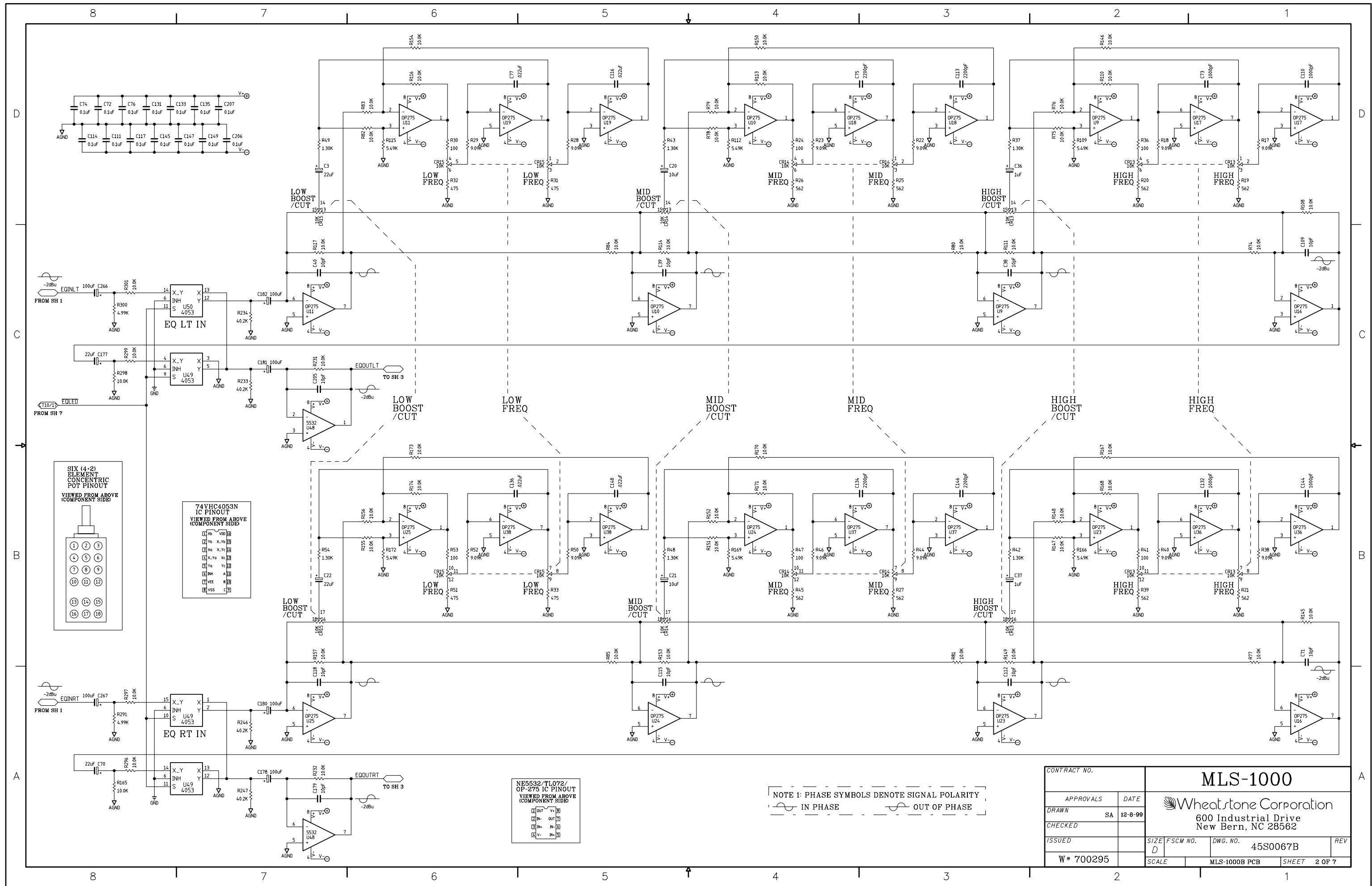
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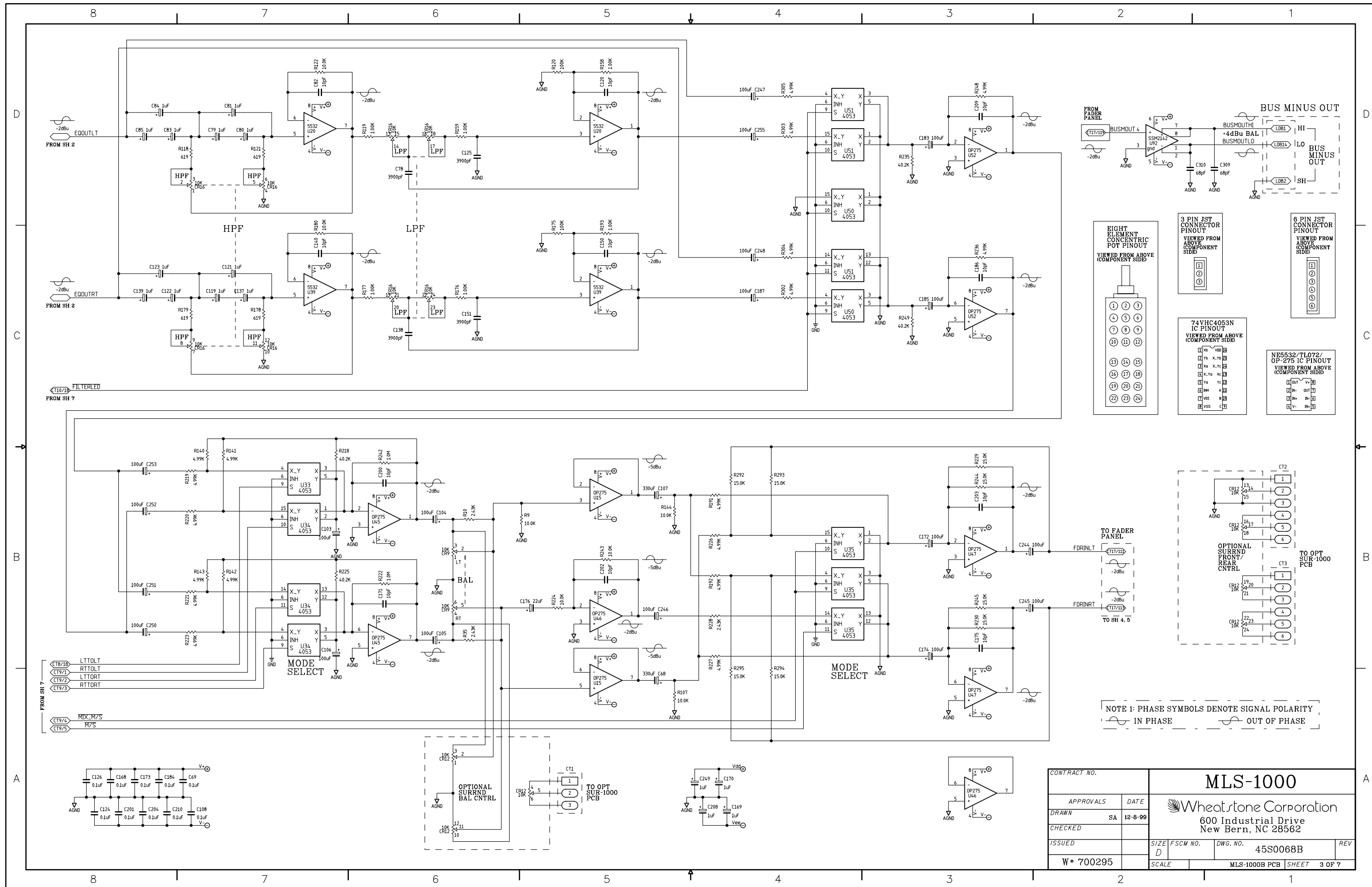




MLS-1000 Mic/Line Stereo Input Module Schematic - Sheet 1 of 12



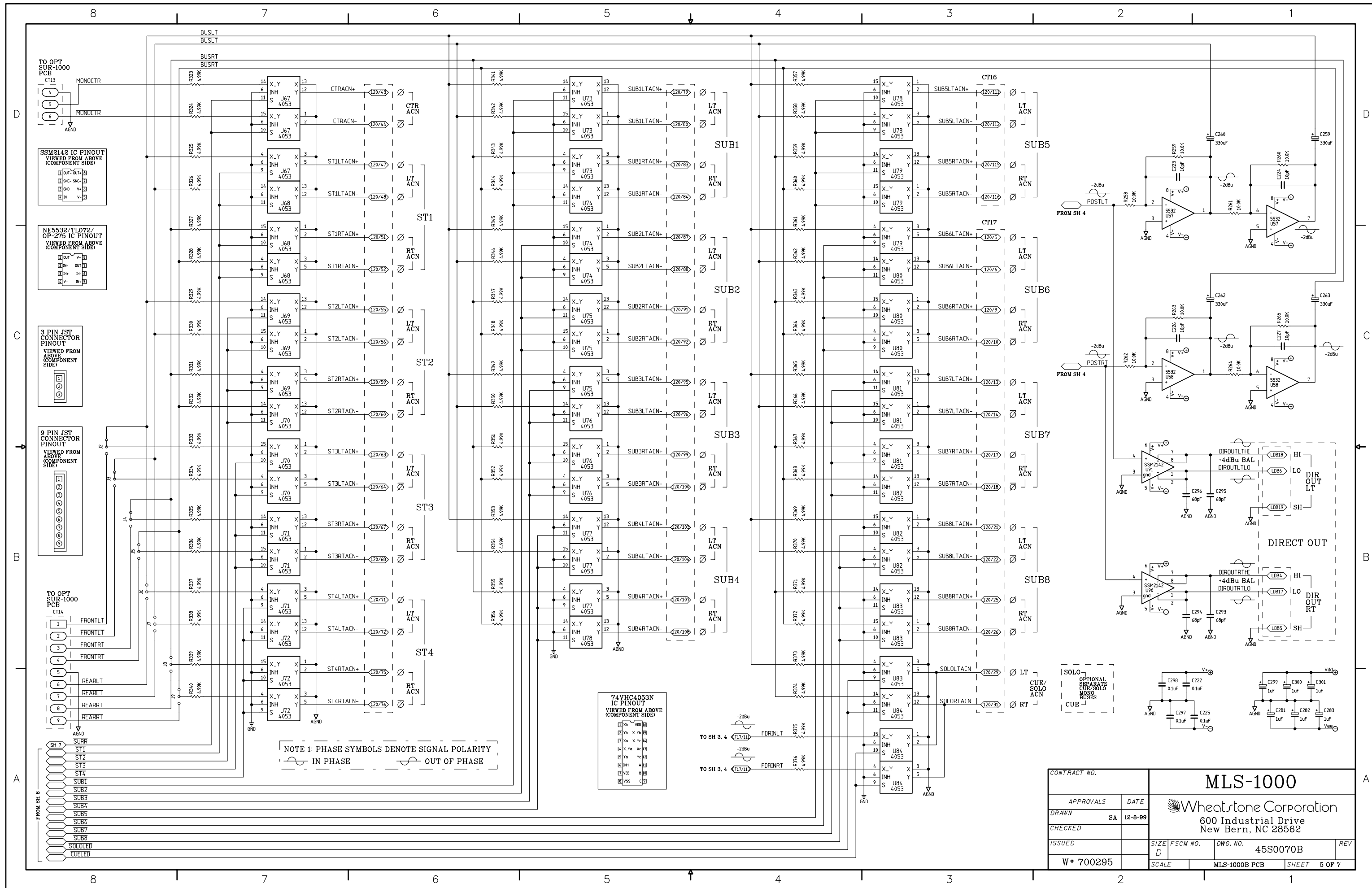
MLS-1000 Mic/Line Stereo Input Module Schematic - Sheet 2 of 12



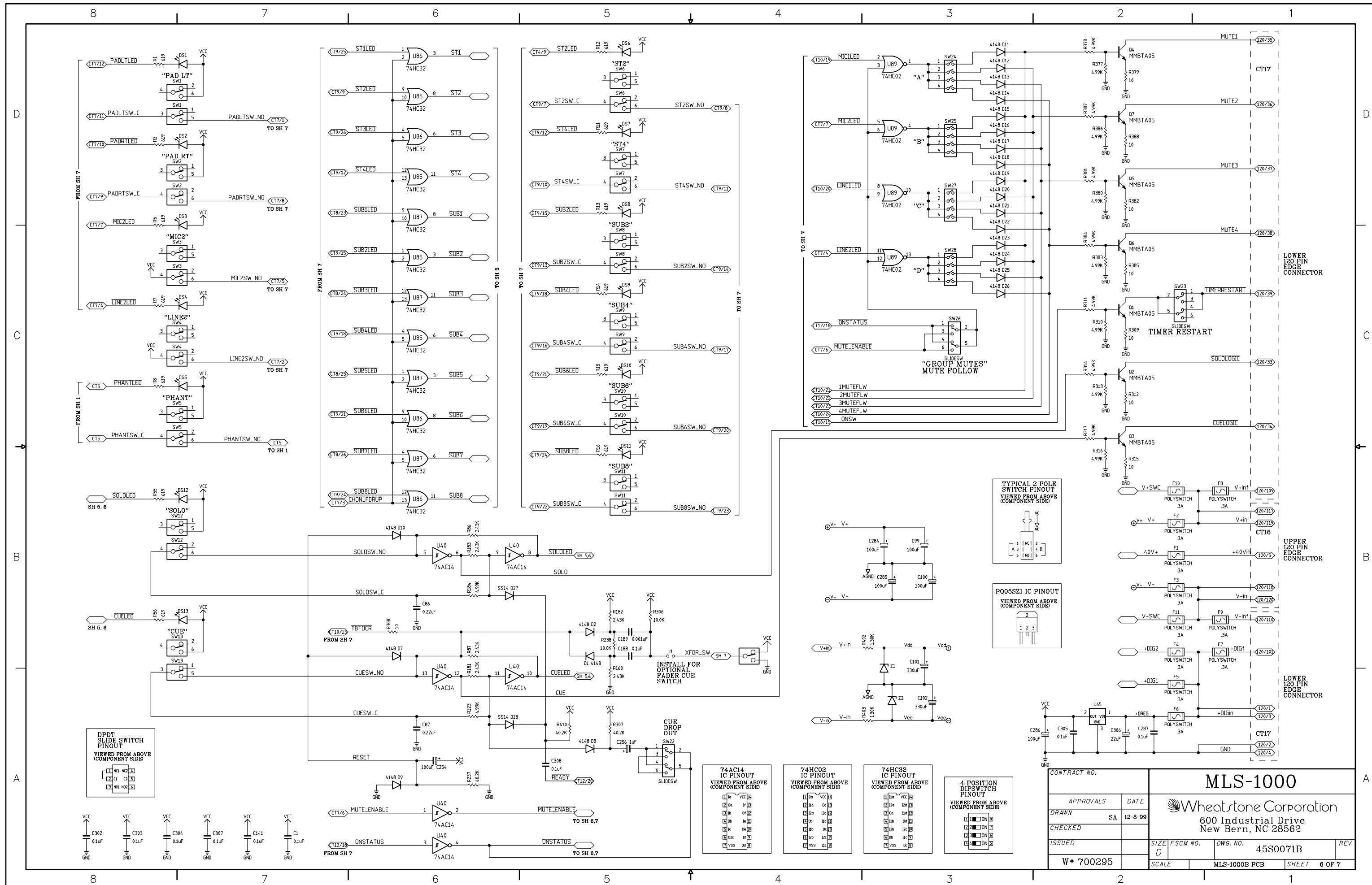
MLS-1000 Mic/Line Stereo Input Module Schematic - Sheet 3 of 12



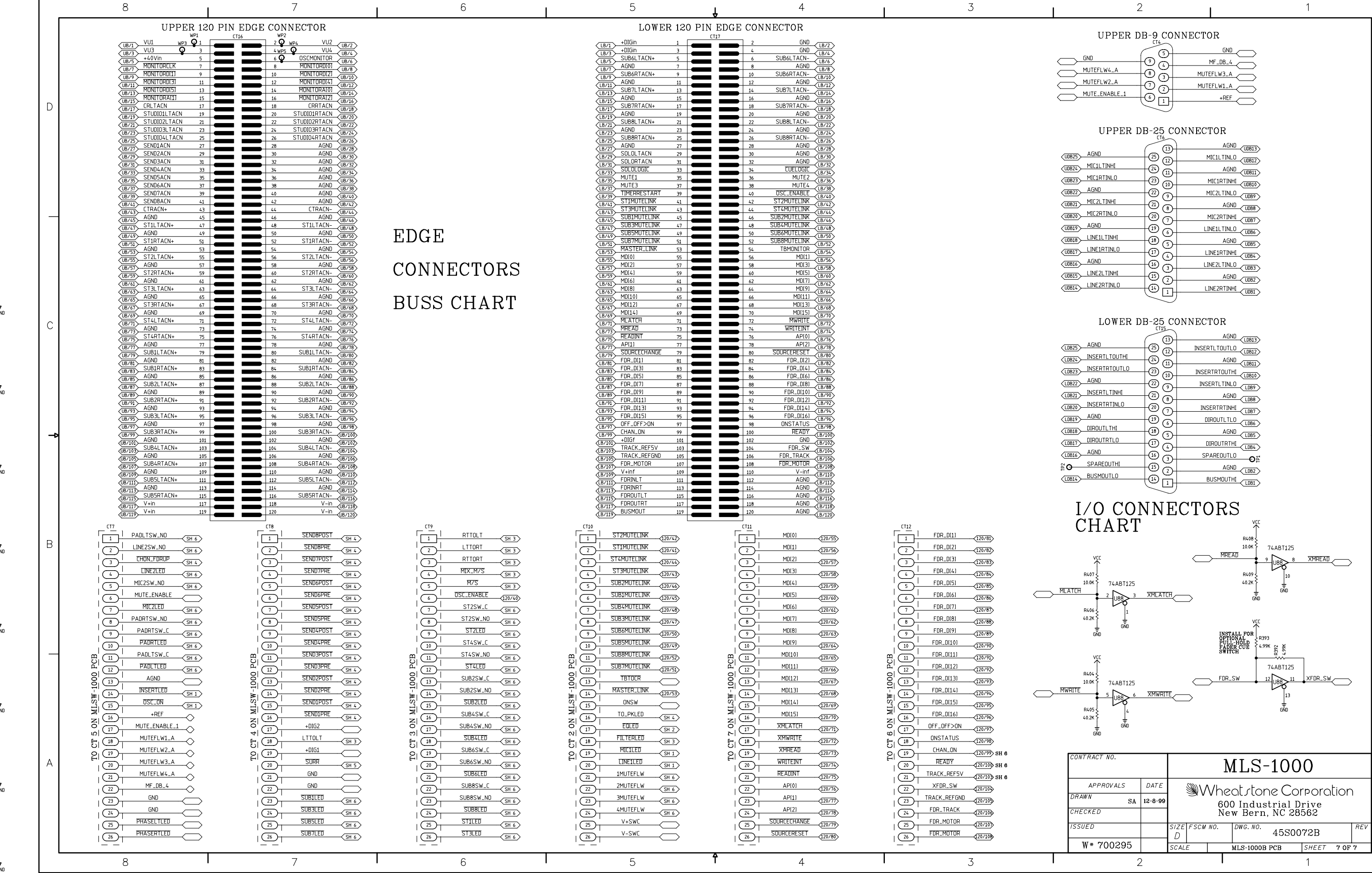


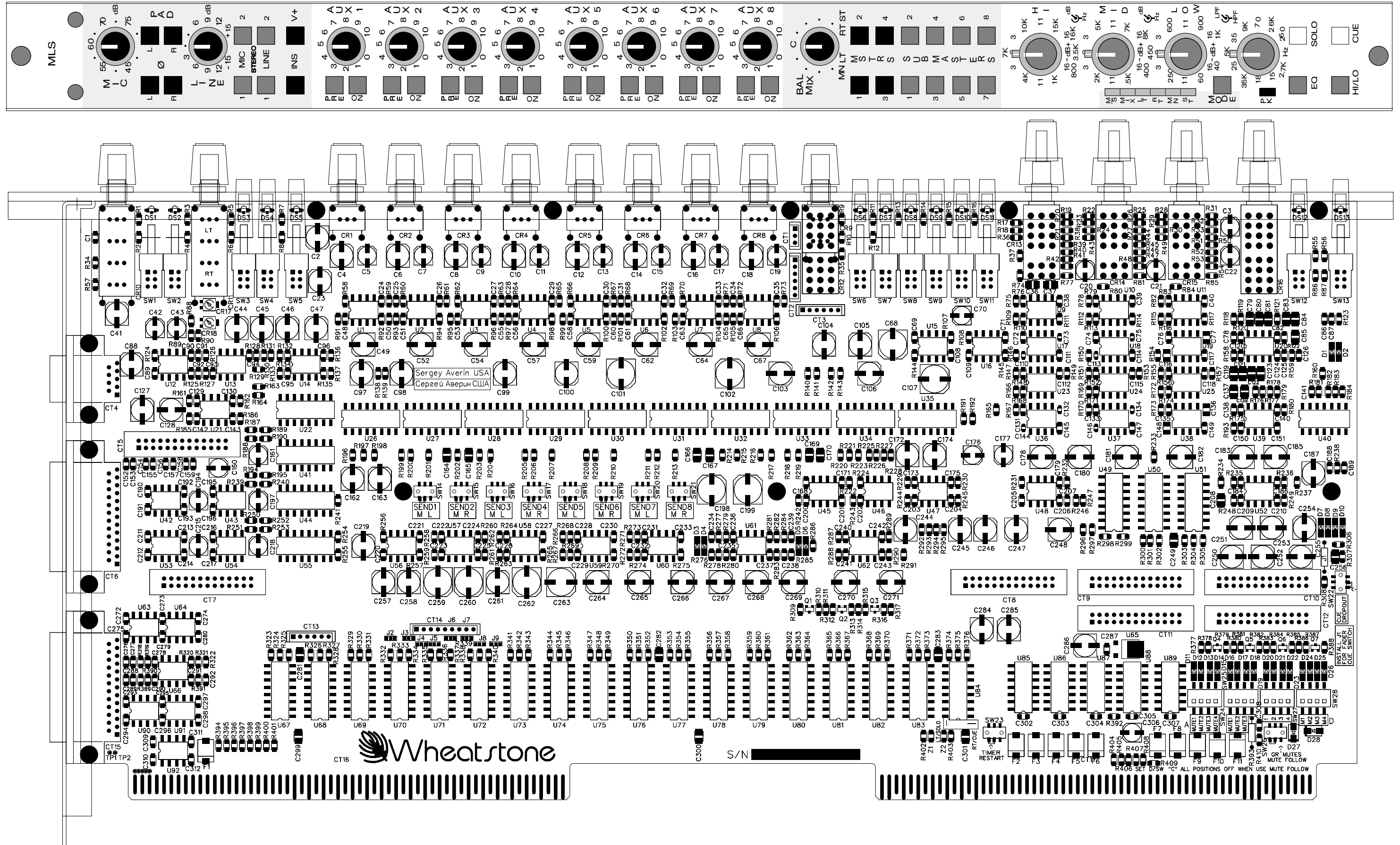


MLS-1000 Mic/Line Stereo Input Module Schematic - Sheet 5 of 12

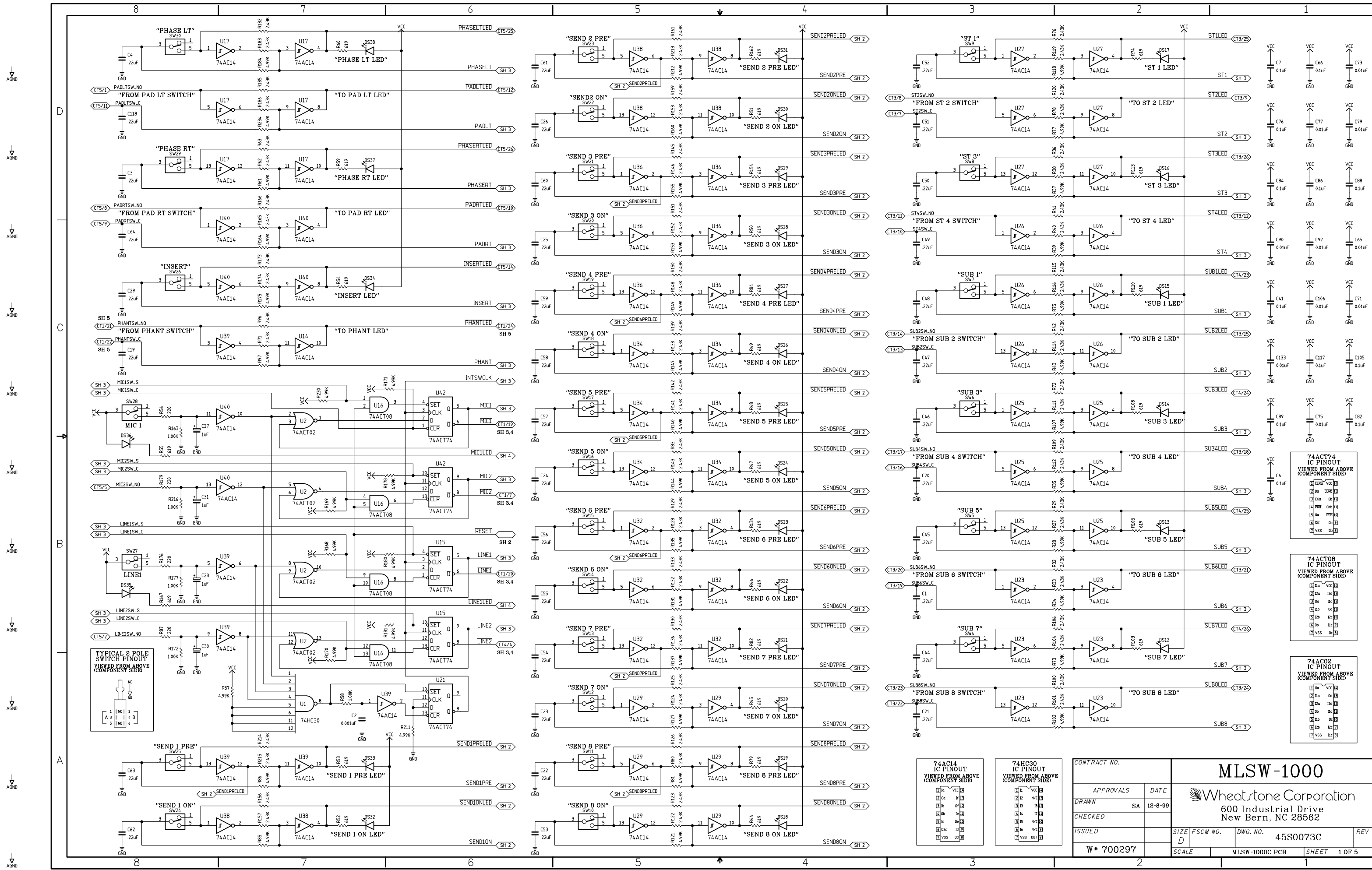


MLS-1000 Mic/Line Stereo Input Module Schematic - Sheet 6 of 12

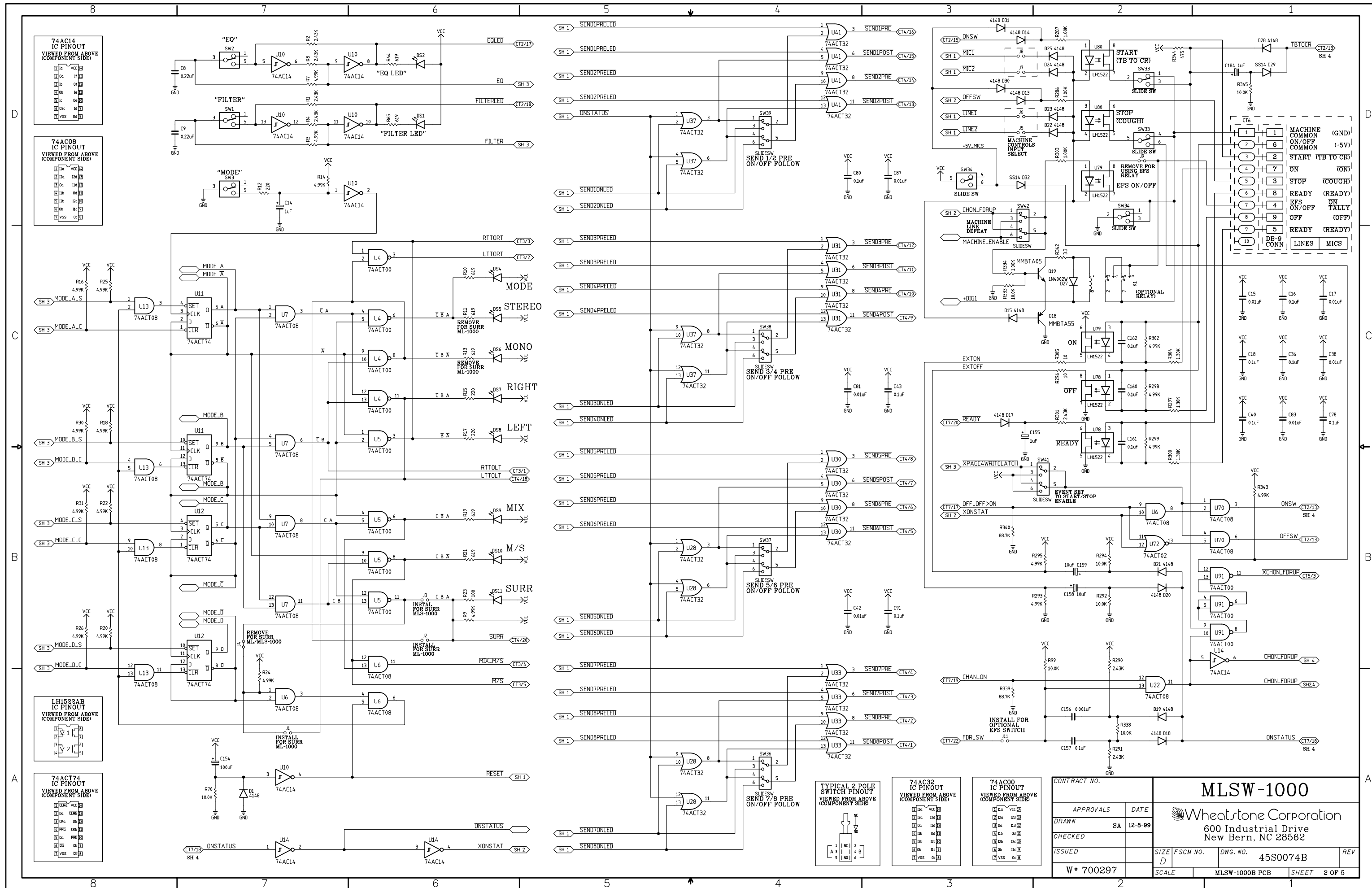




MLS-1000 Mic/Line Stereo Input Module Load Sheet



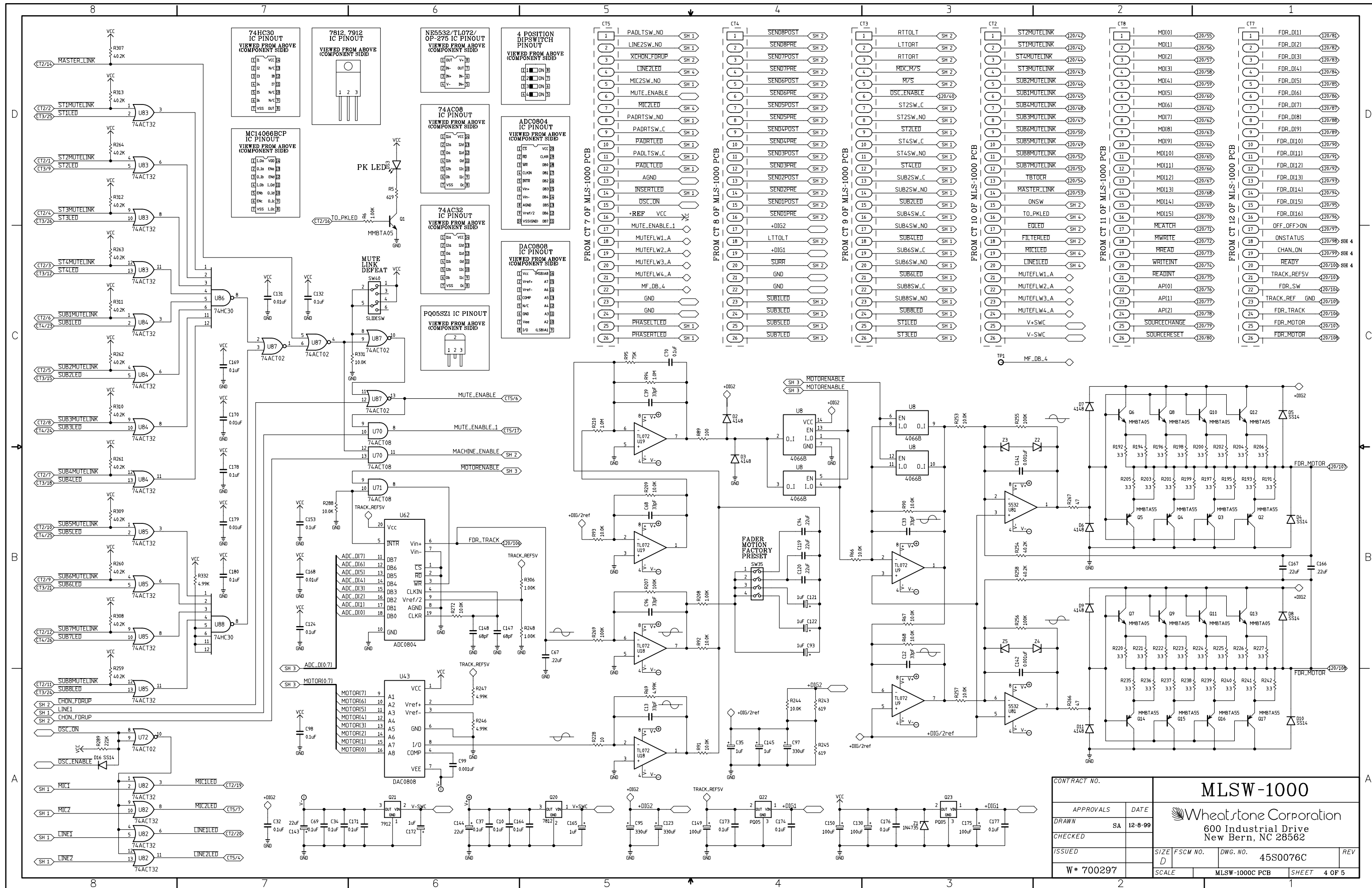
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MLS-1000 Stereo Mic/Line Input Module Schematic - Sheet 9 of 12

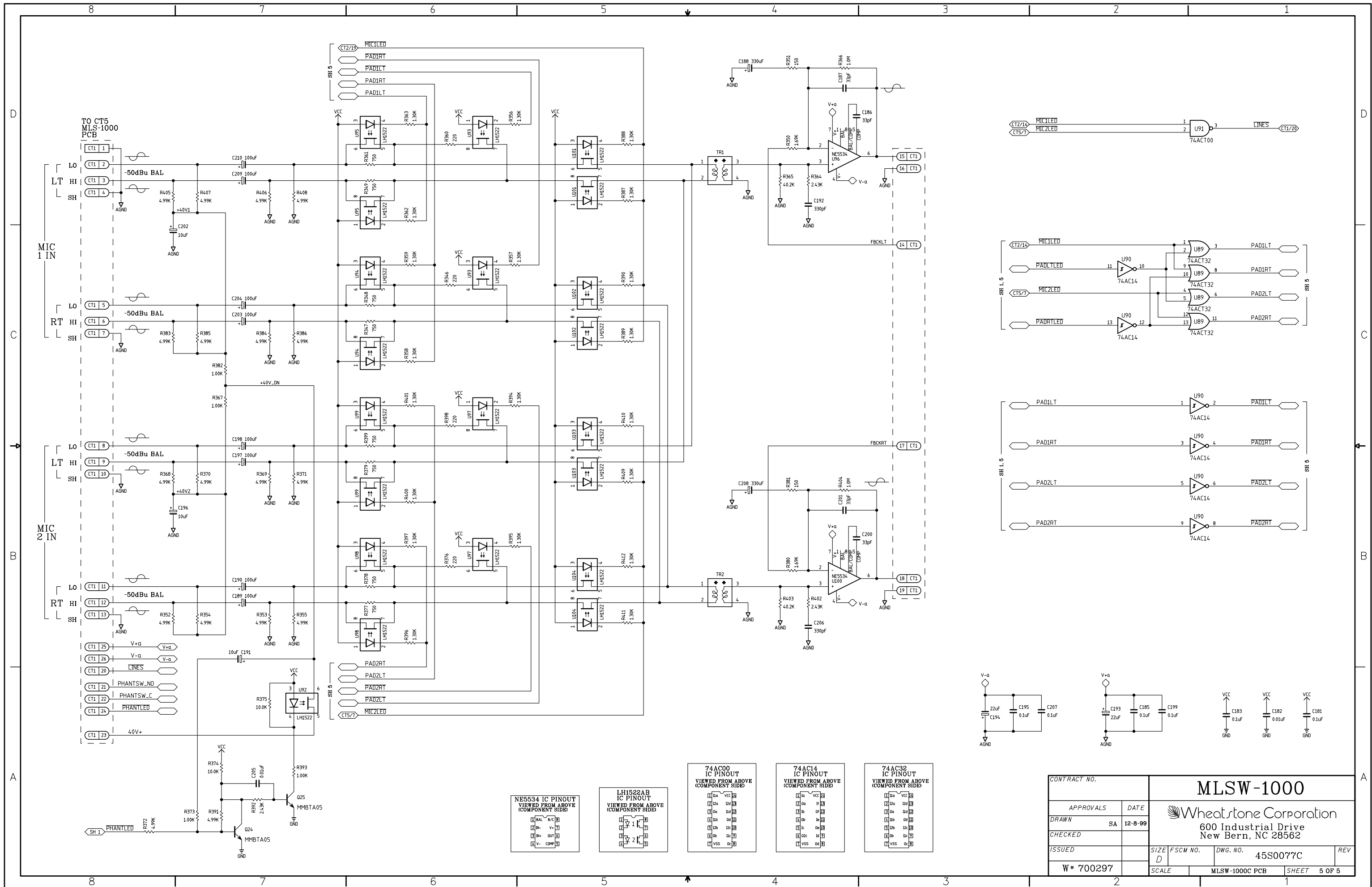


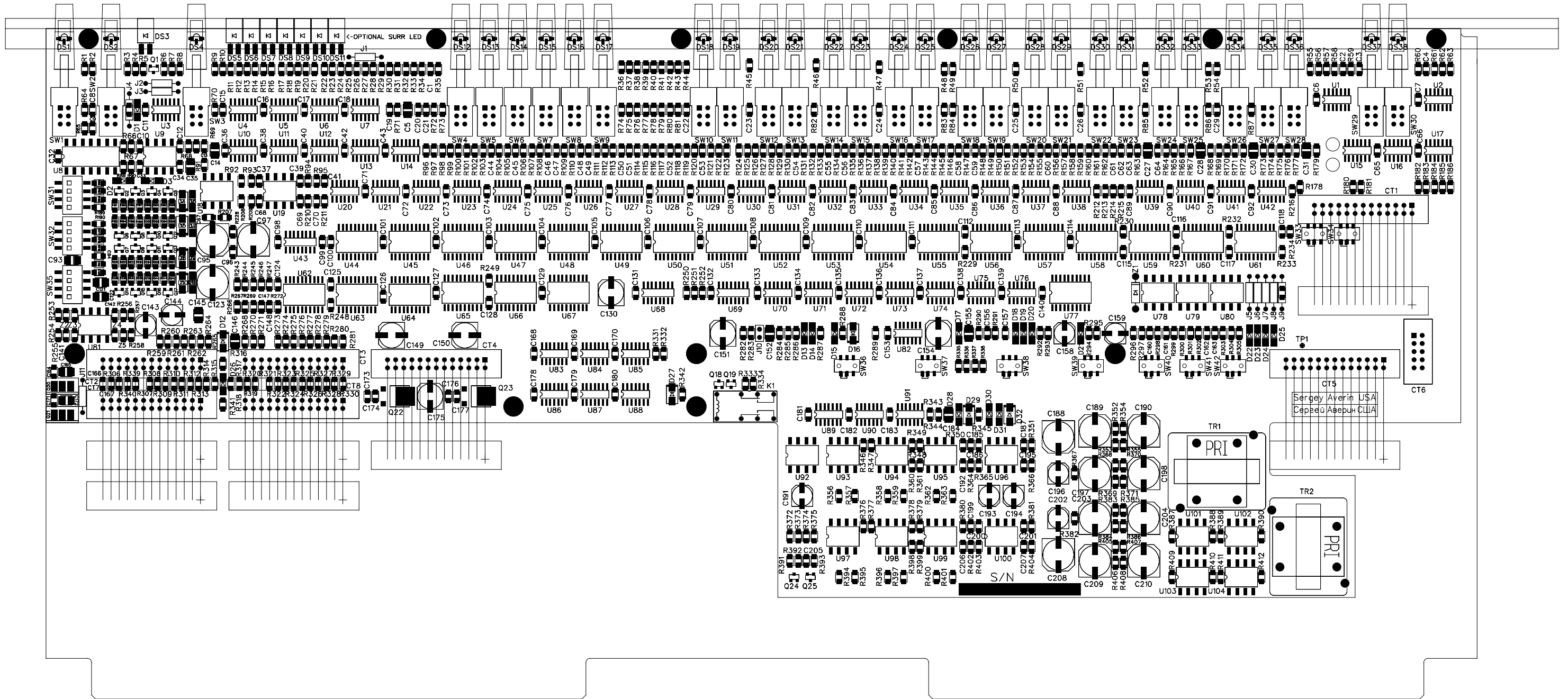
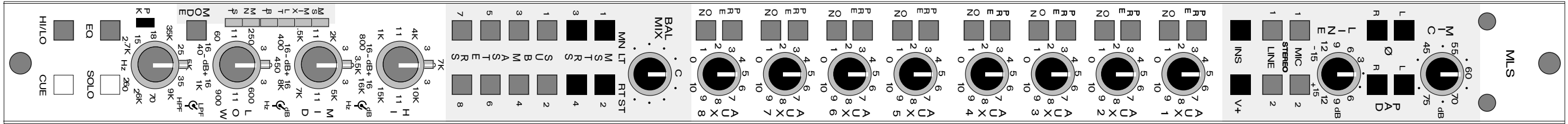




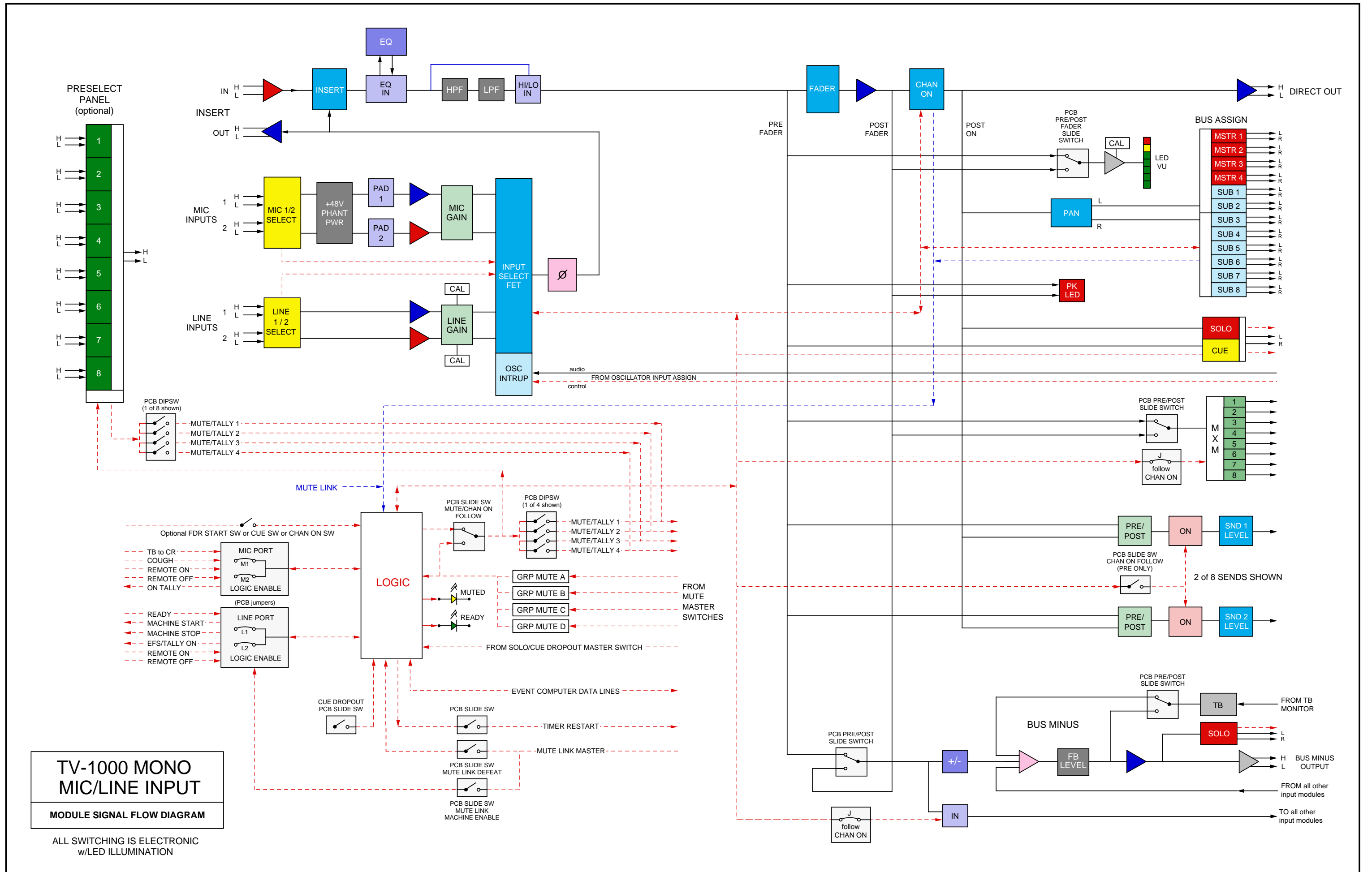
MLS-1000 Stereo Mic/Line Input Module Schematic - Sheet 11 of 12

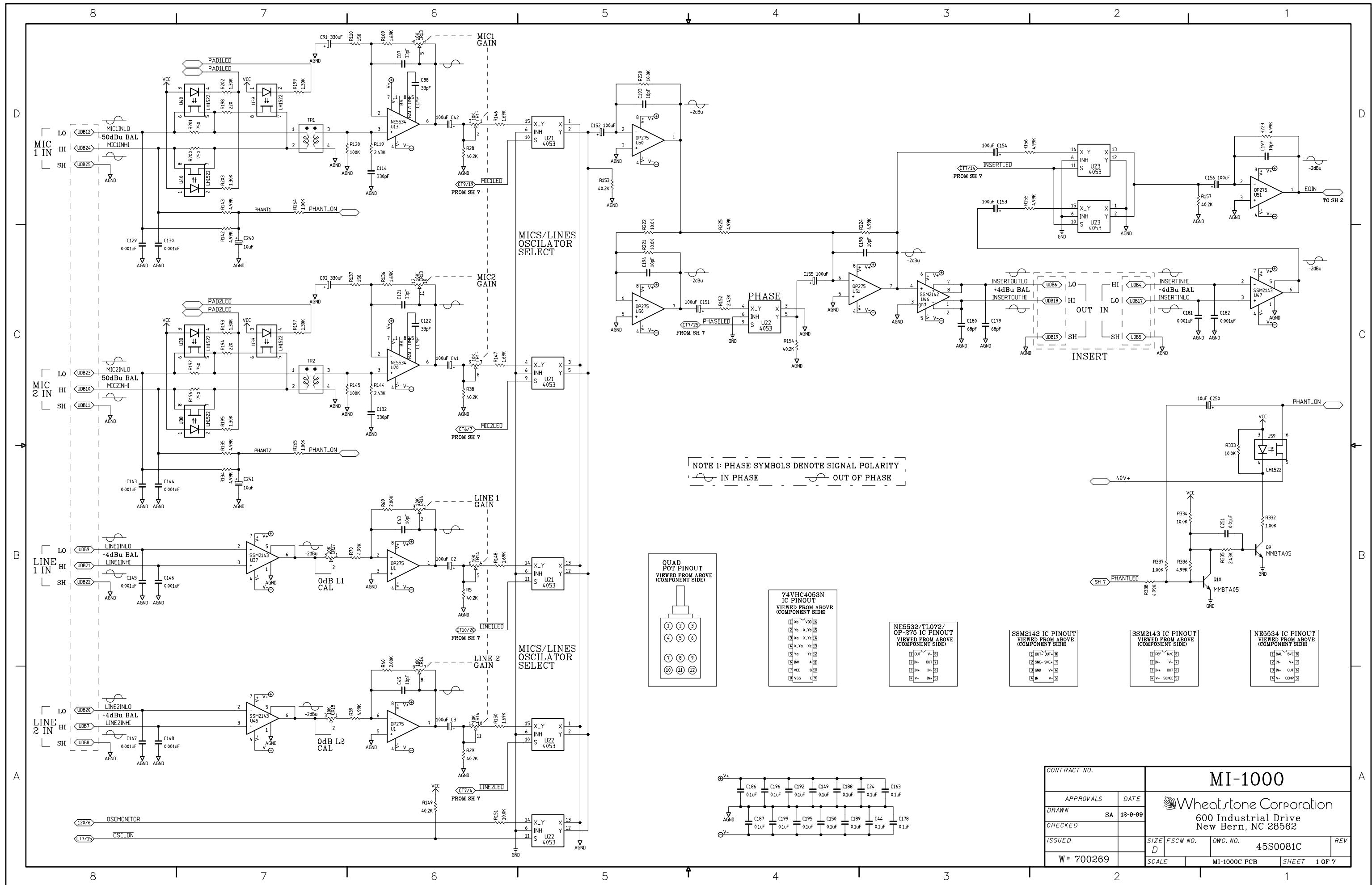




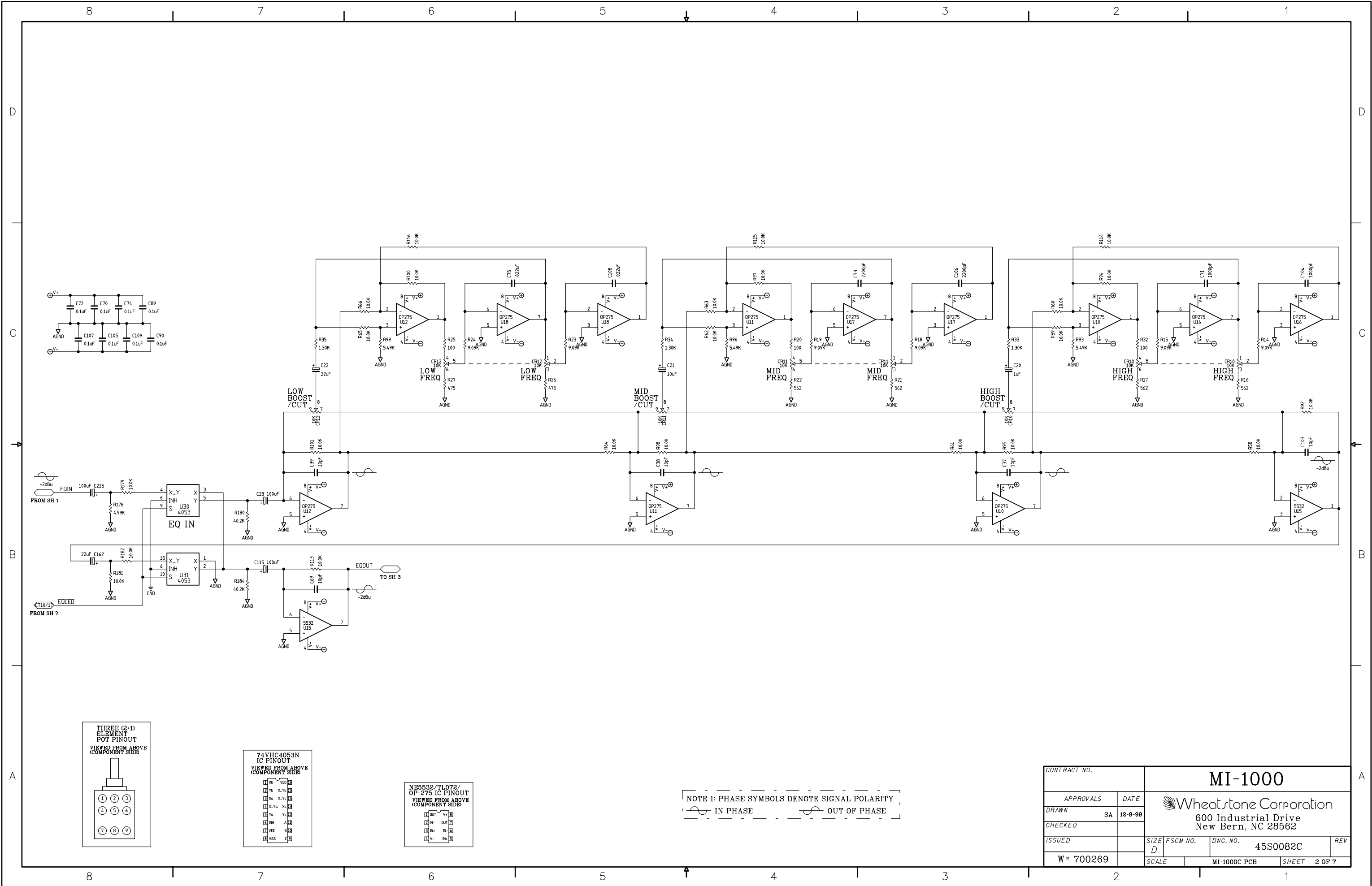


MLSW-1000 Stereo Mic/Line Input Module Switch Card Load Sheet

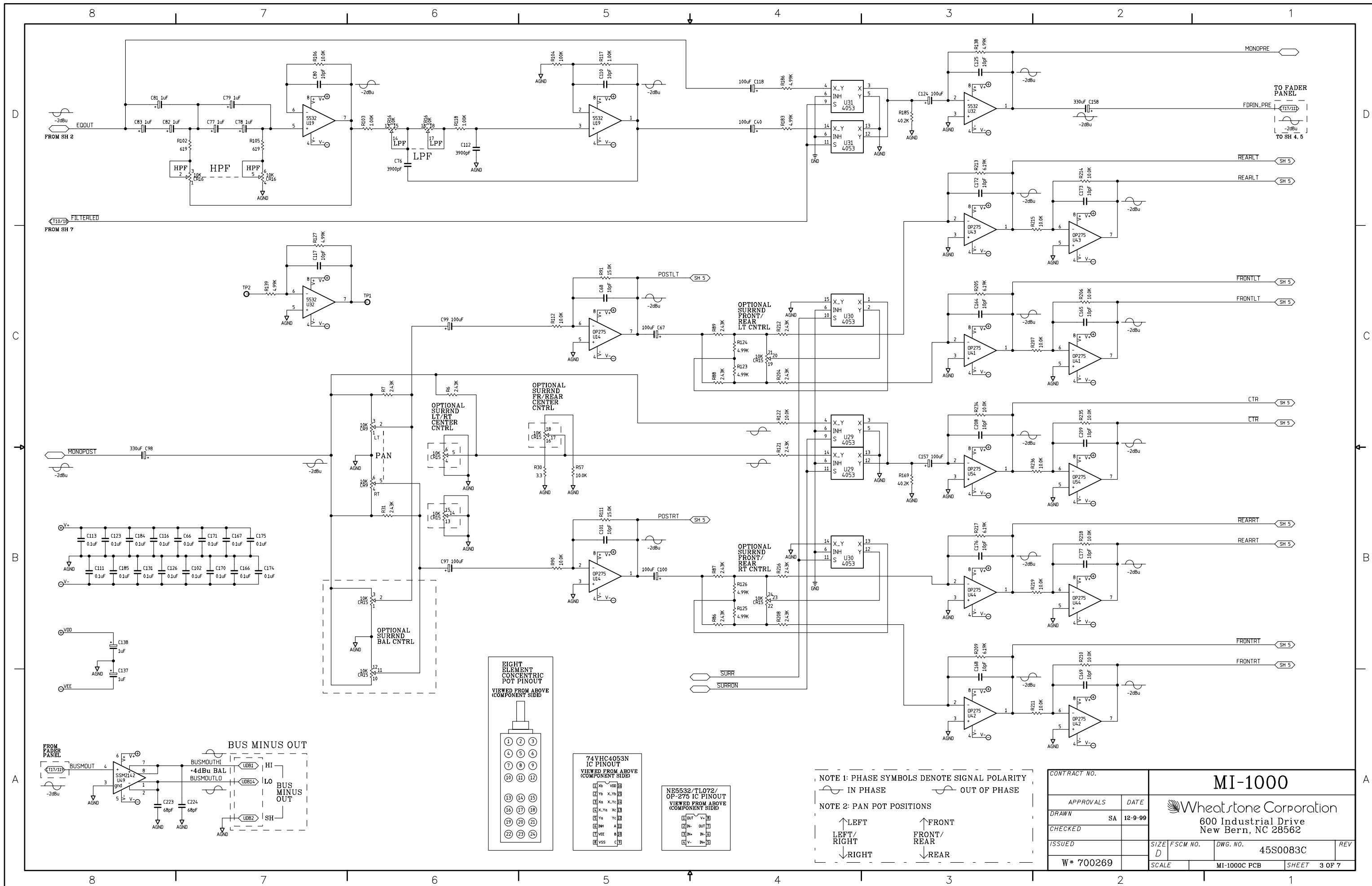




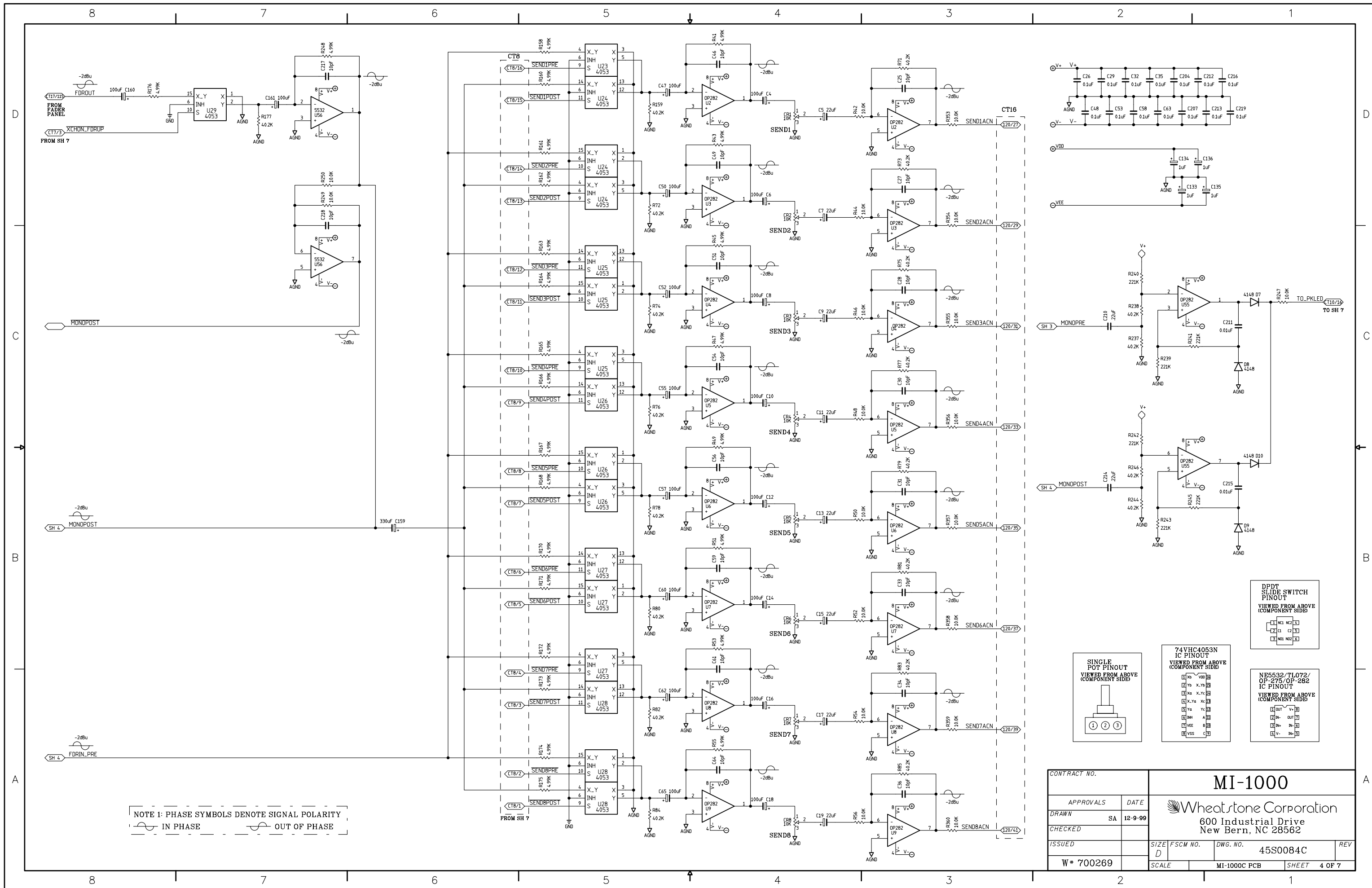
MI-1000 Mono Input Module Schematic - Sheet 1 of 11



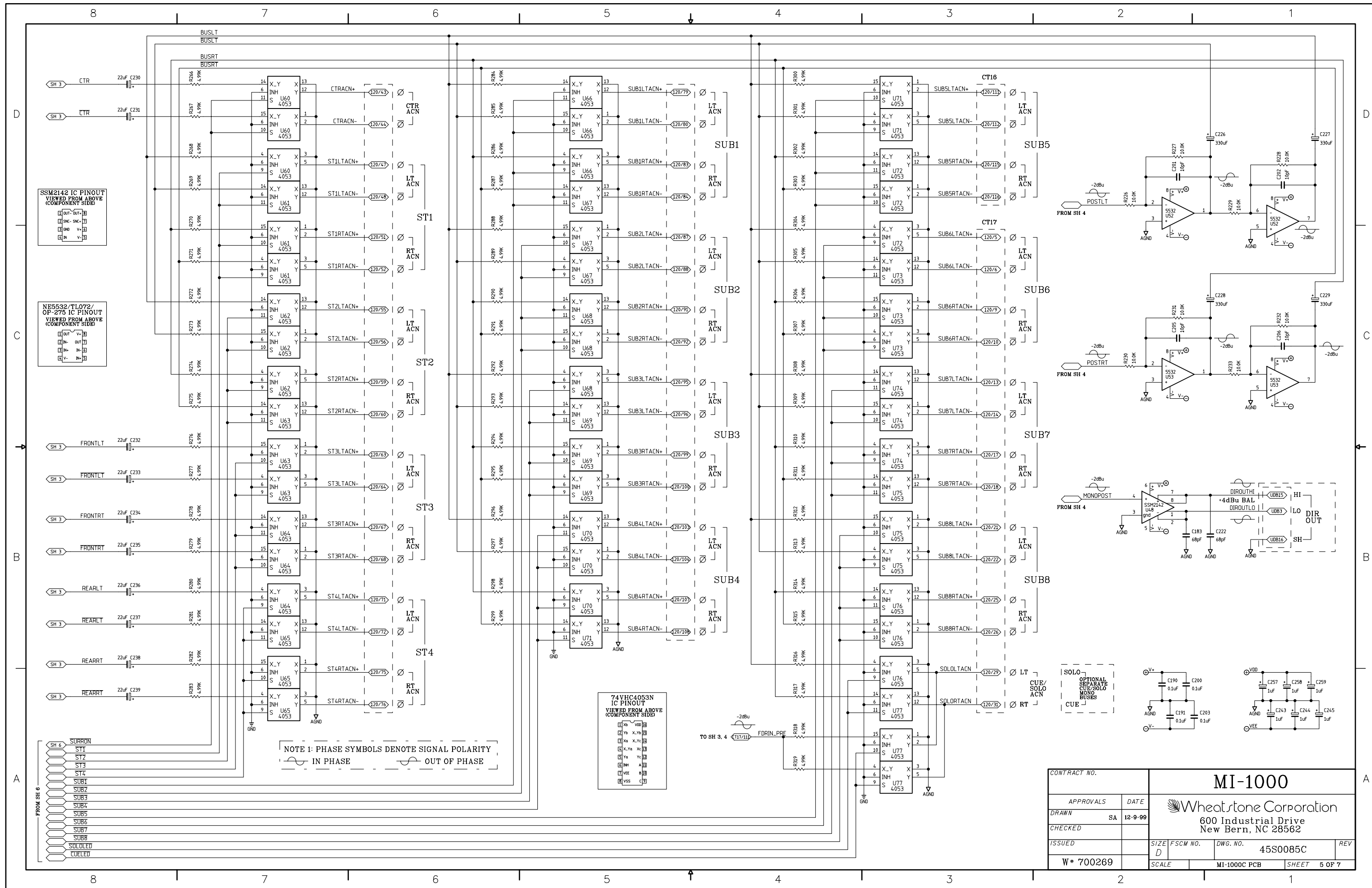
MI-1000 Mono Input Module Schematic - Sheet 2 of 11



MI-1000 Mono Input Module Schematic - Sheet 3 of 11

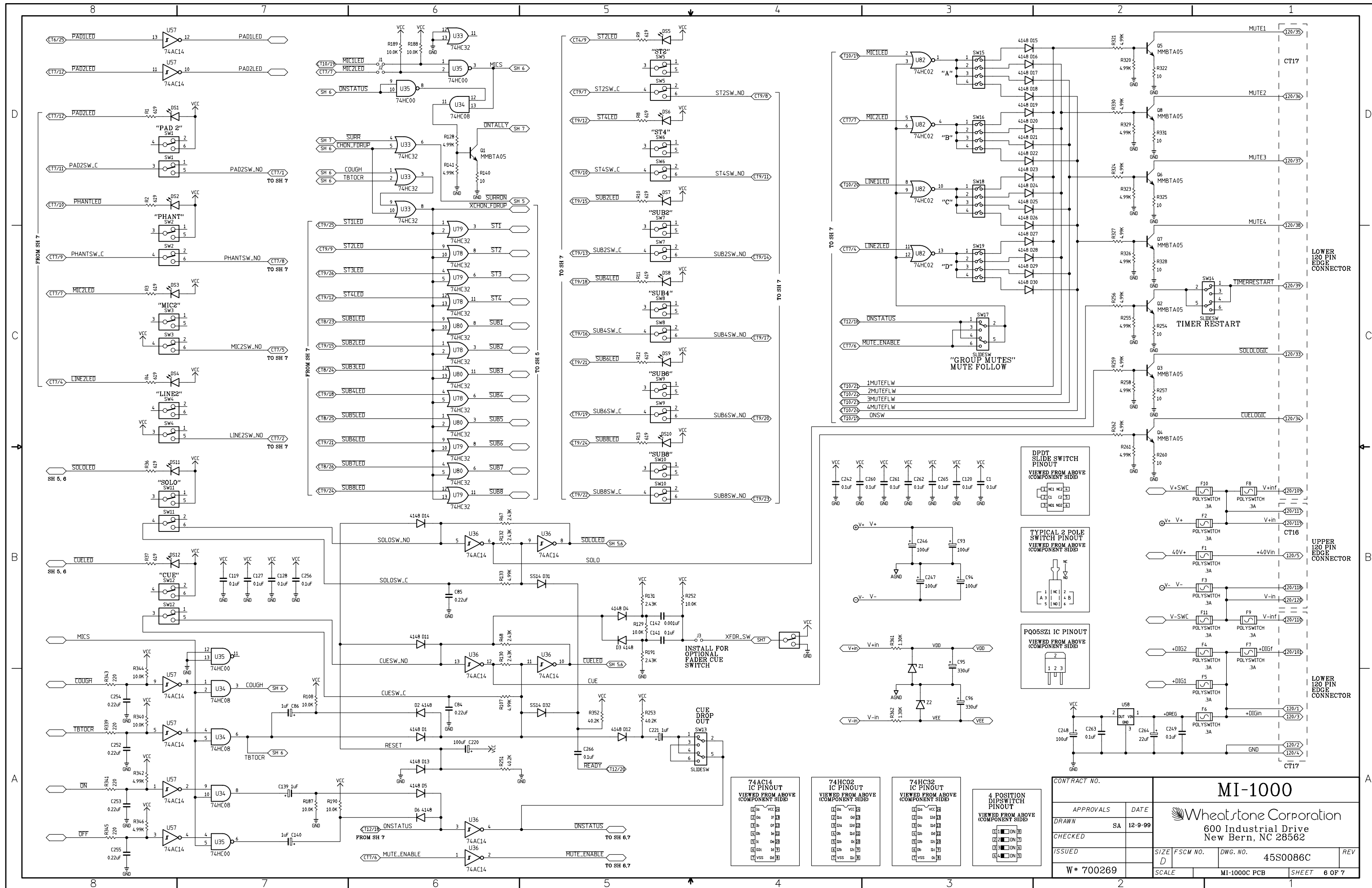


MI-1000 Mono Input Module Schematic - Sheet 4 of 11

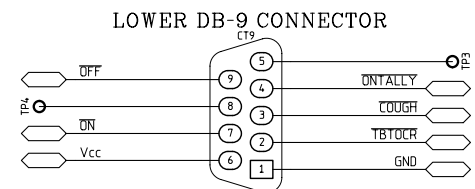
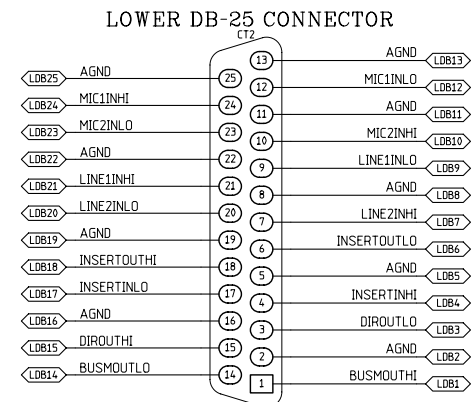
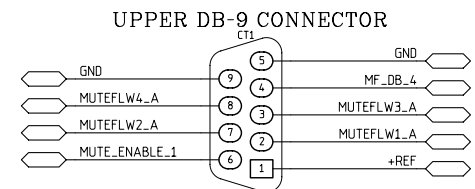
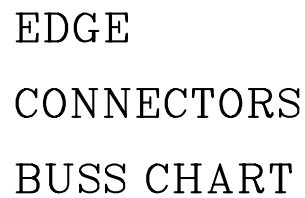


MI-1000 Mono Input Module Schematic - Sheet 5 of 11



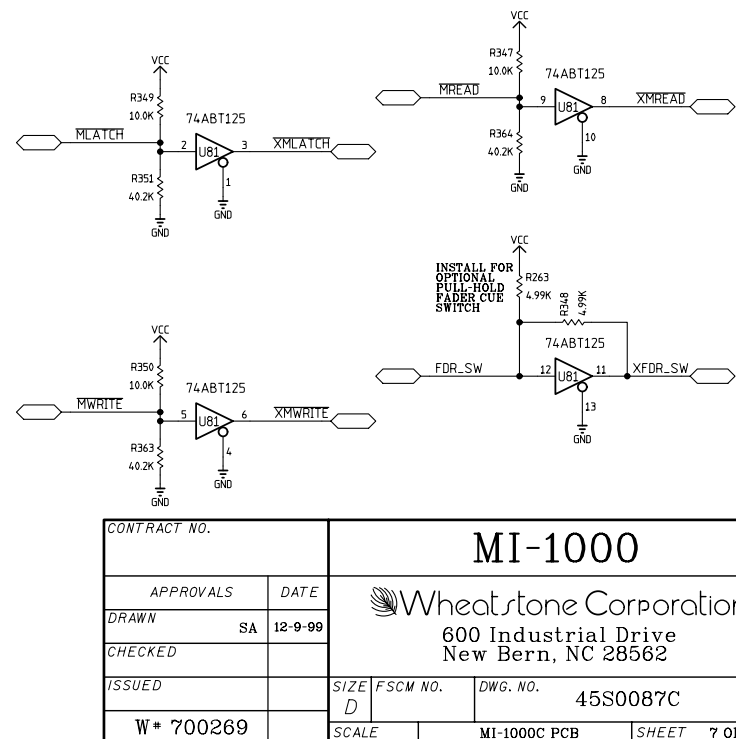


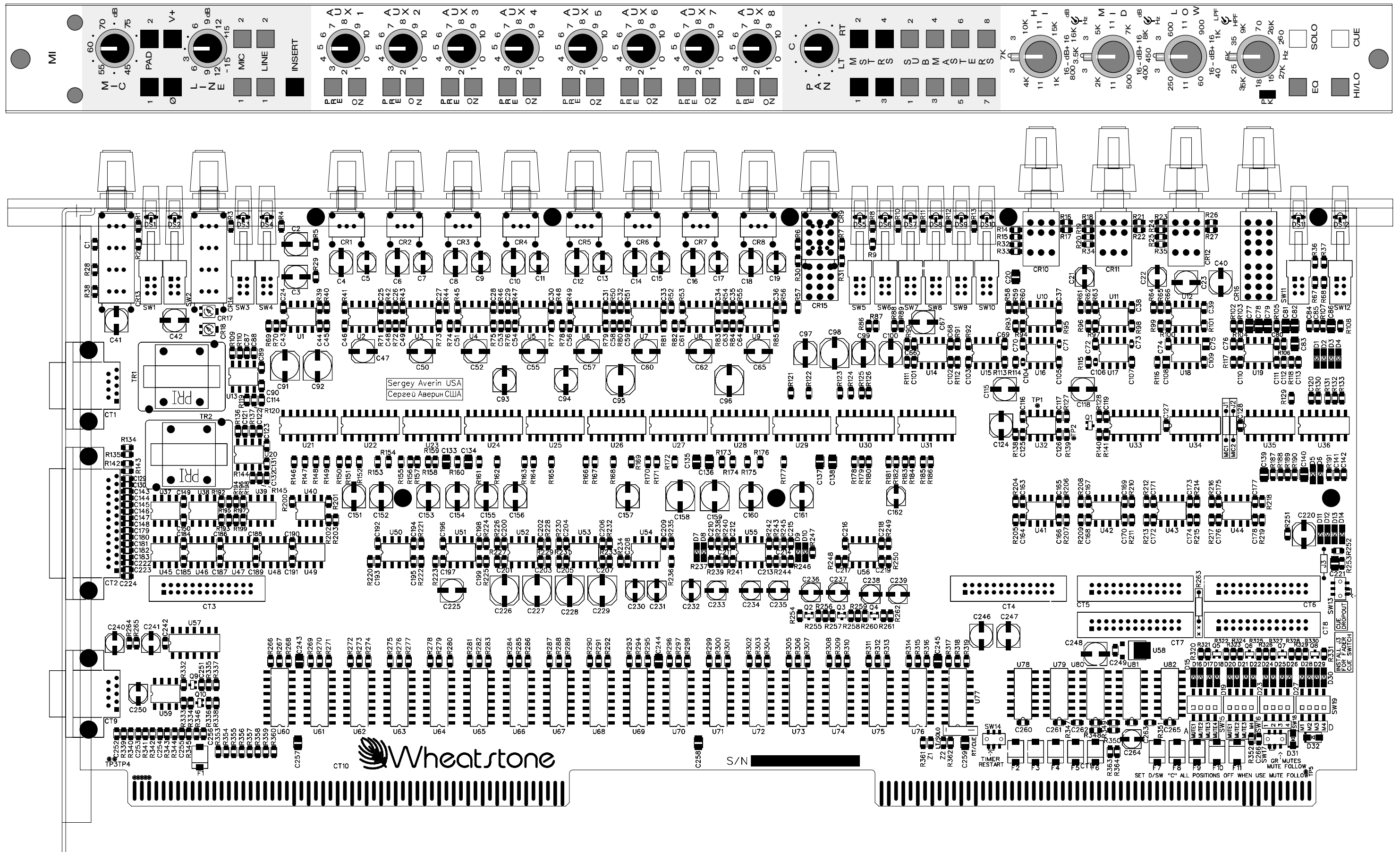
MI-1000 Mono Input Module Schematic - Sheet 6 of 11



# I/O CONNECTORS

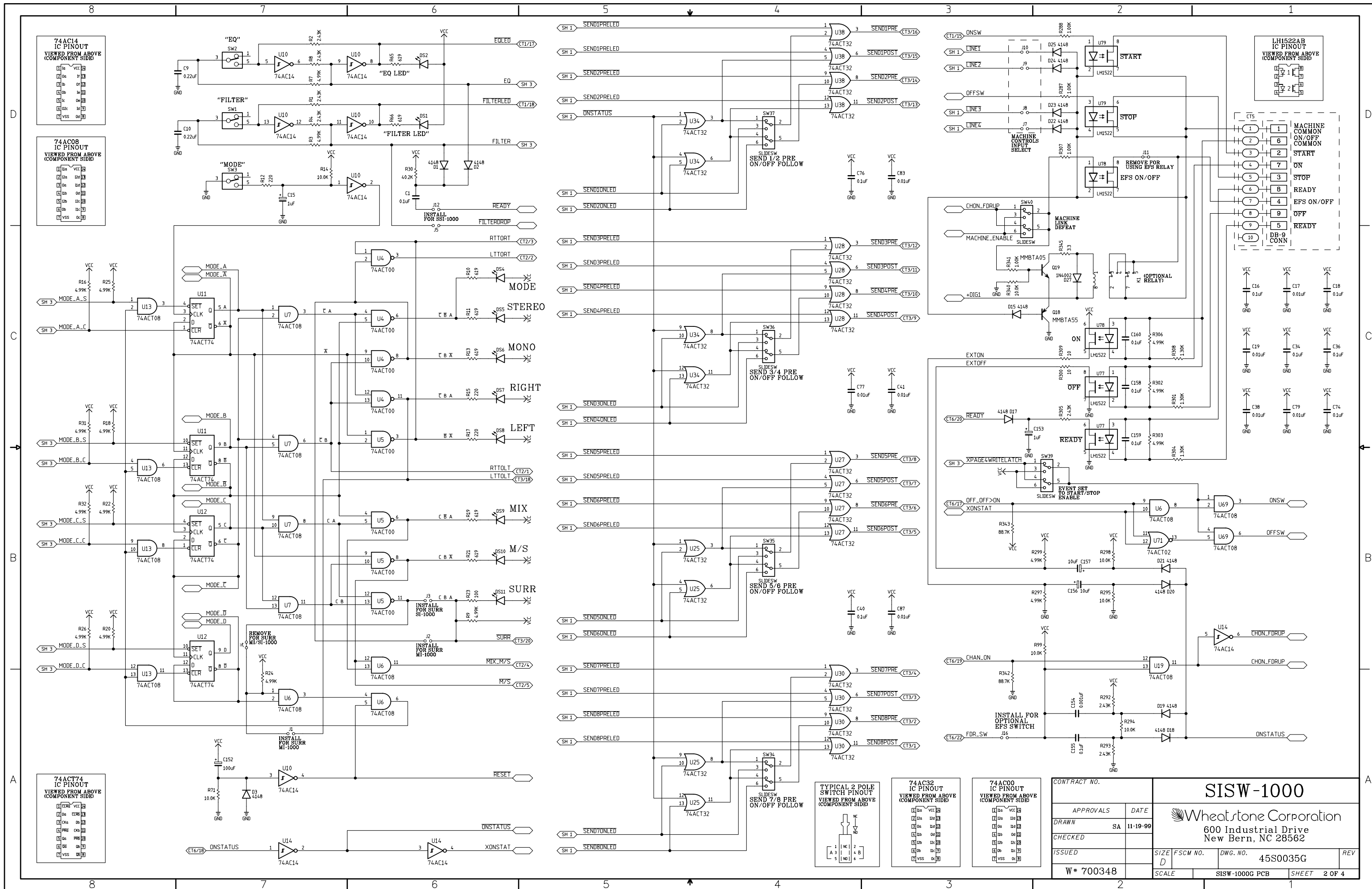
## CHART



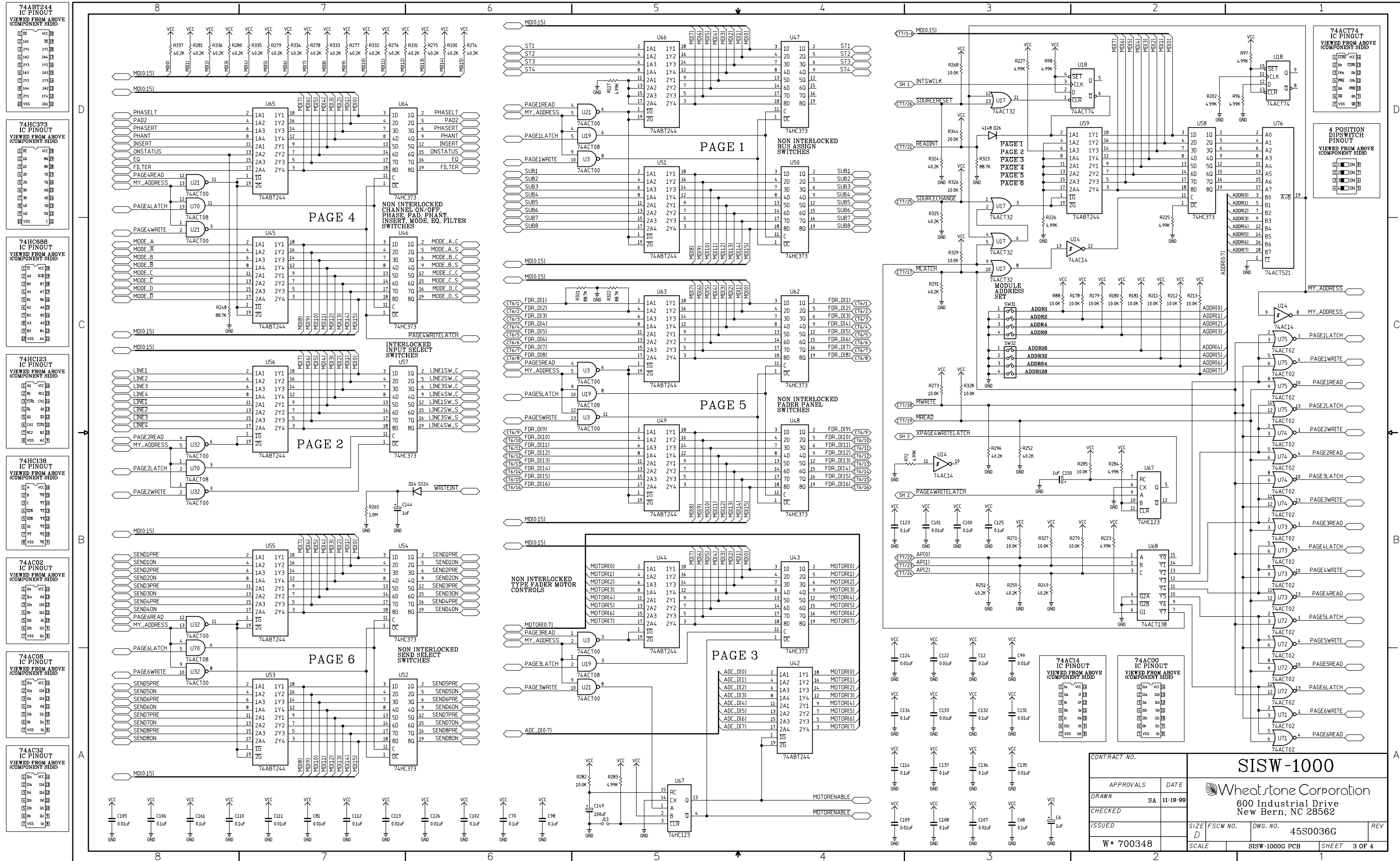


MI-1000 Mono Input Module Load Sheet



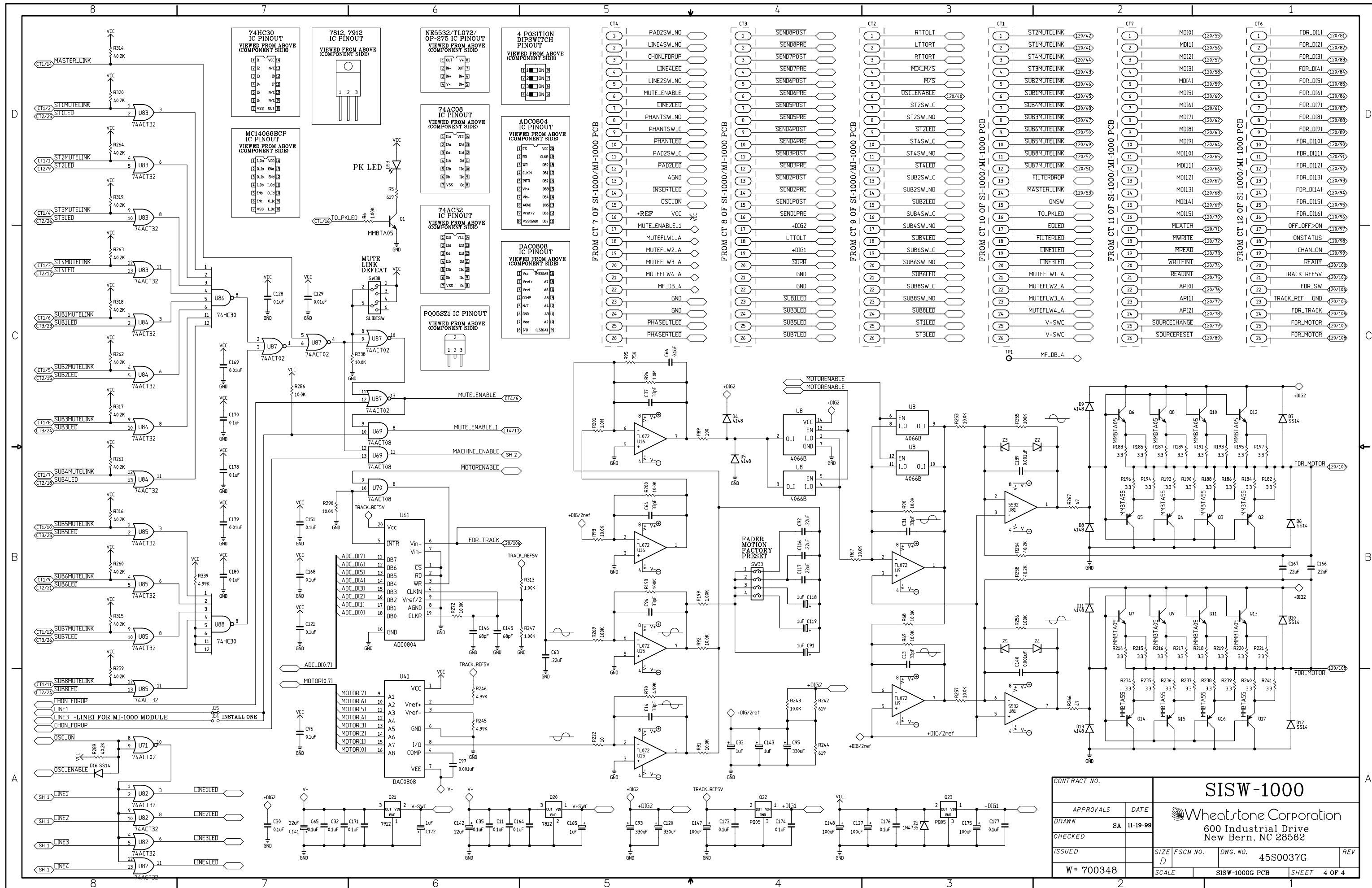


SI-1000 Stereo Line Input Module Schematic - Sheet 9 of 11

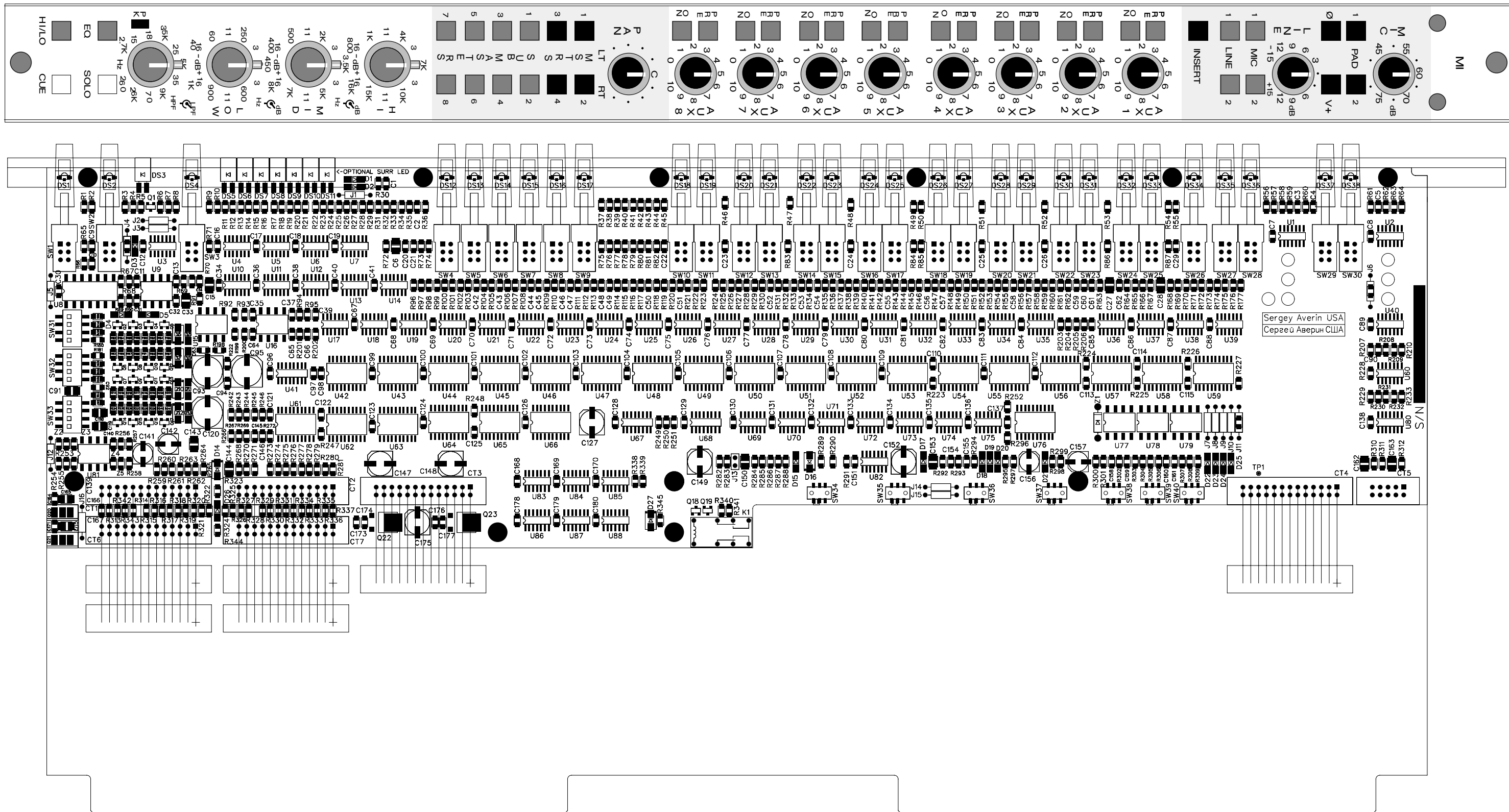


SI-1000 Stereo Line Input Module Schematic - Sheet 10 of 11

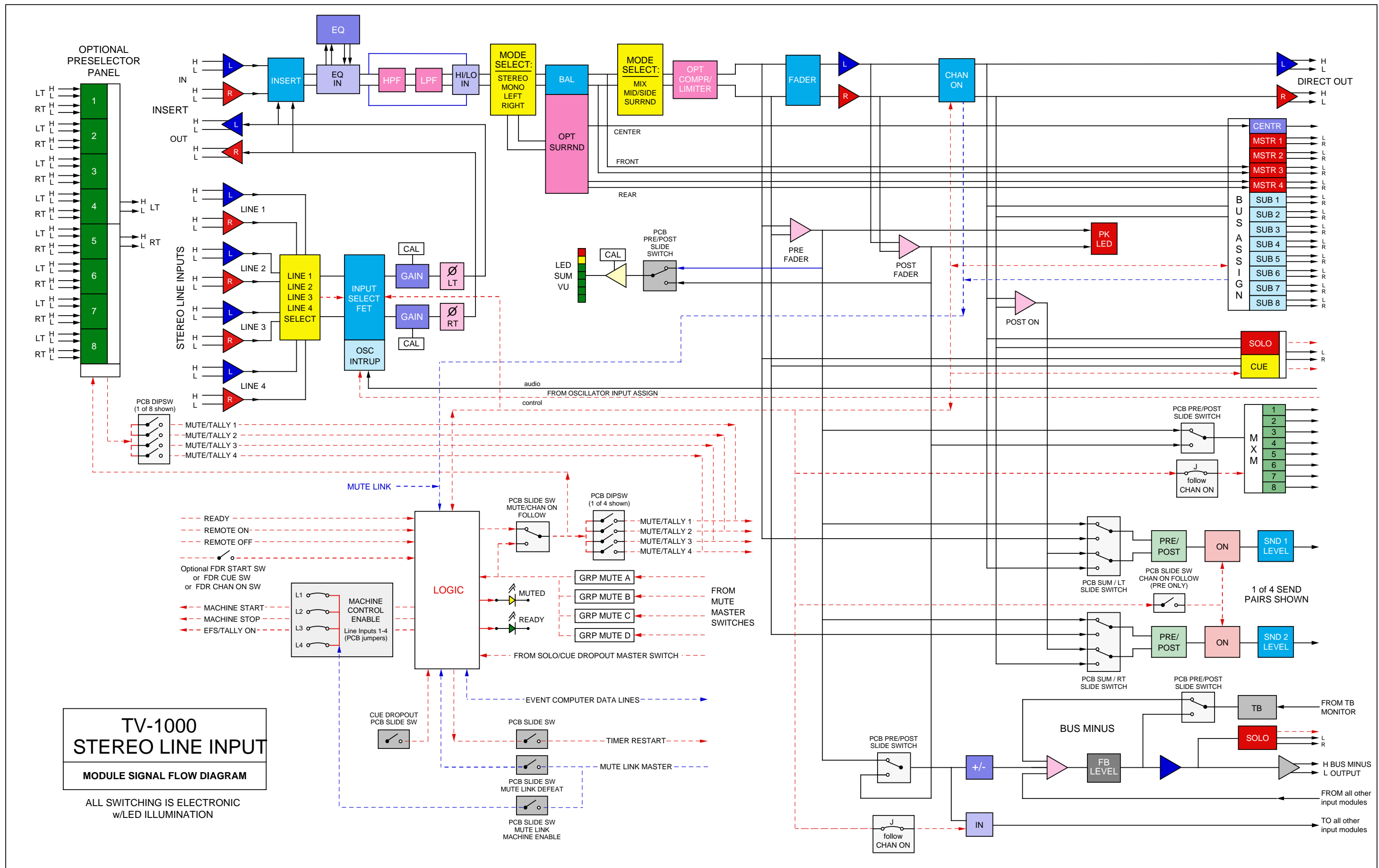


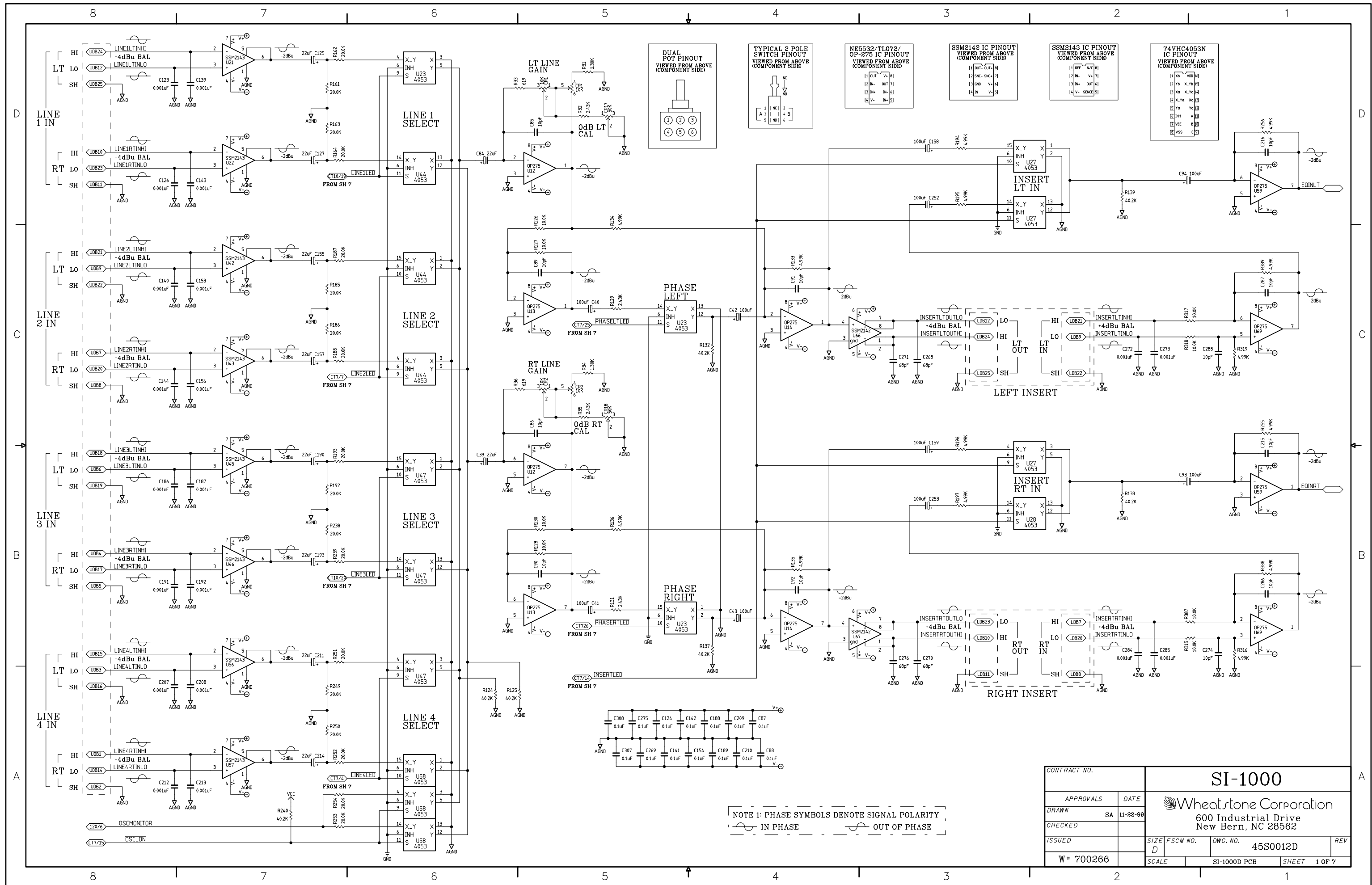


SI-1000 Stereo Line Input Module Schematic - Sheet 11 of 11

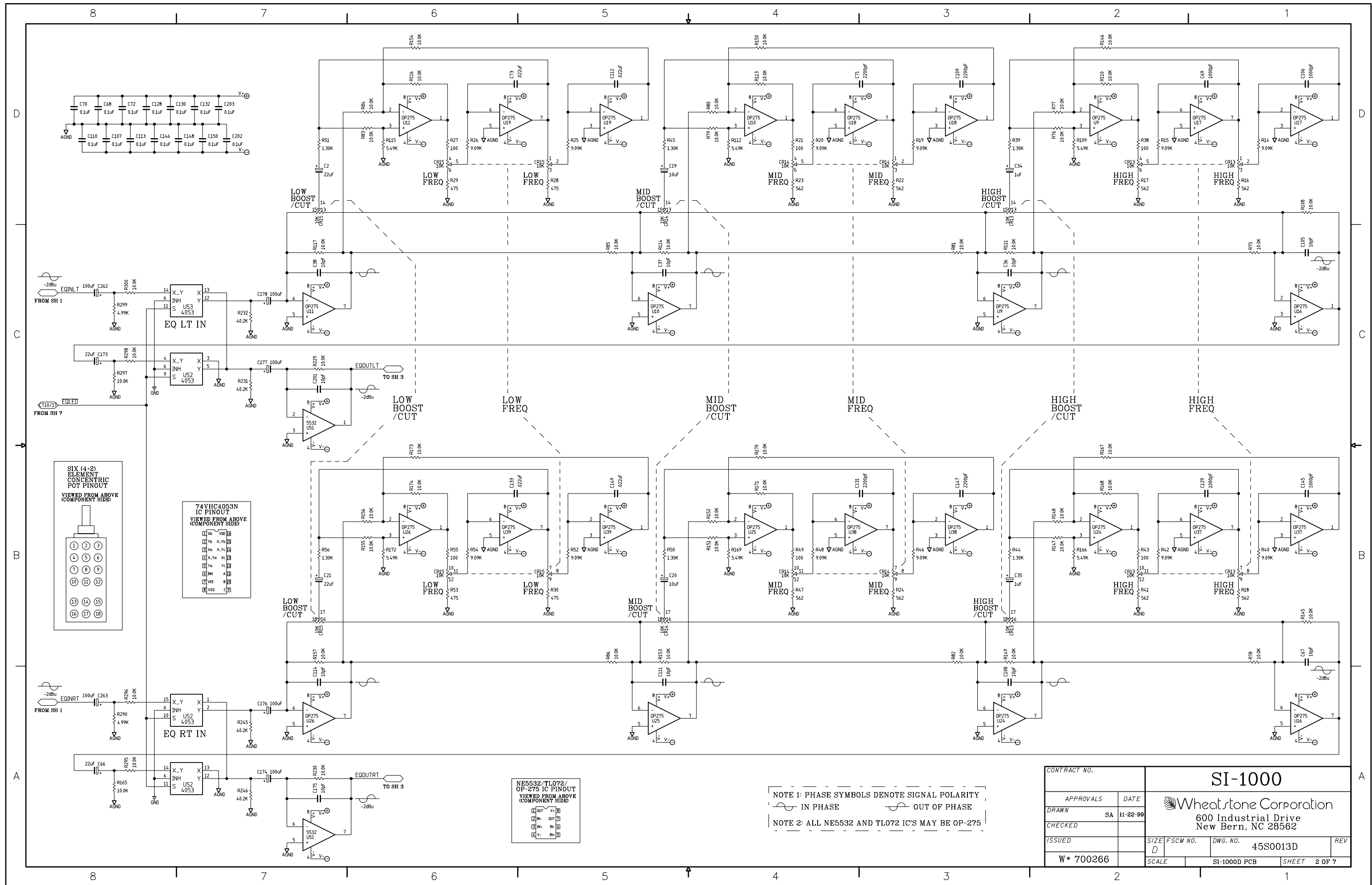




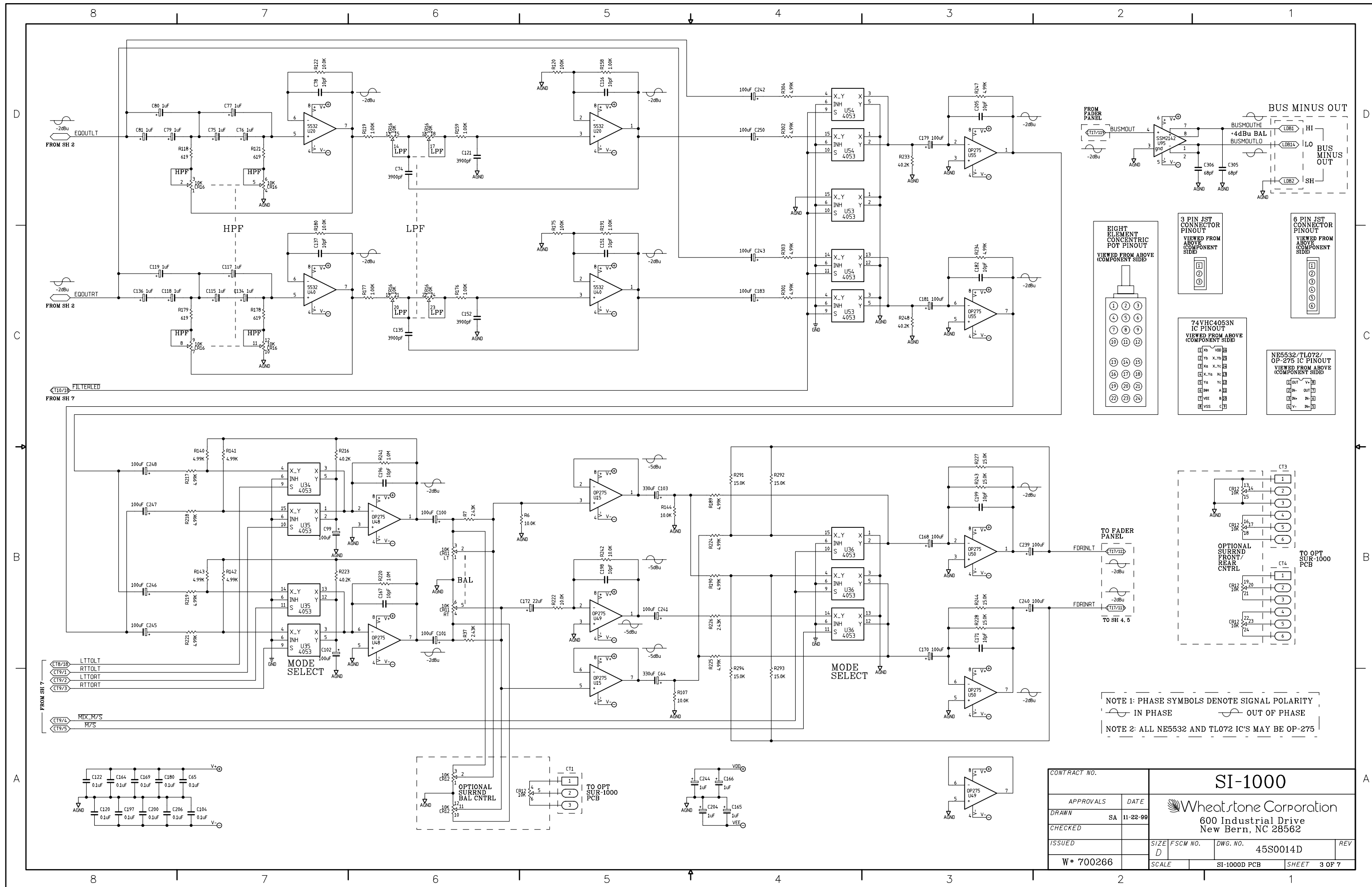




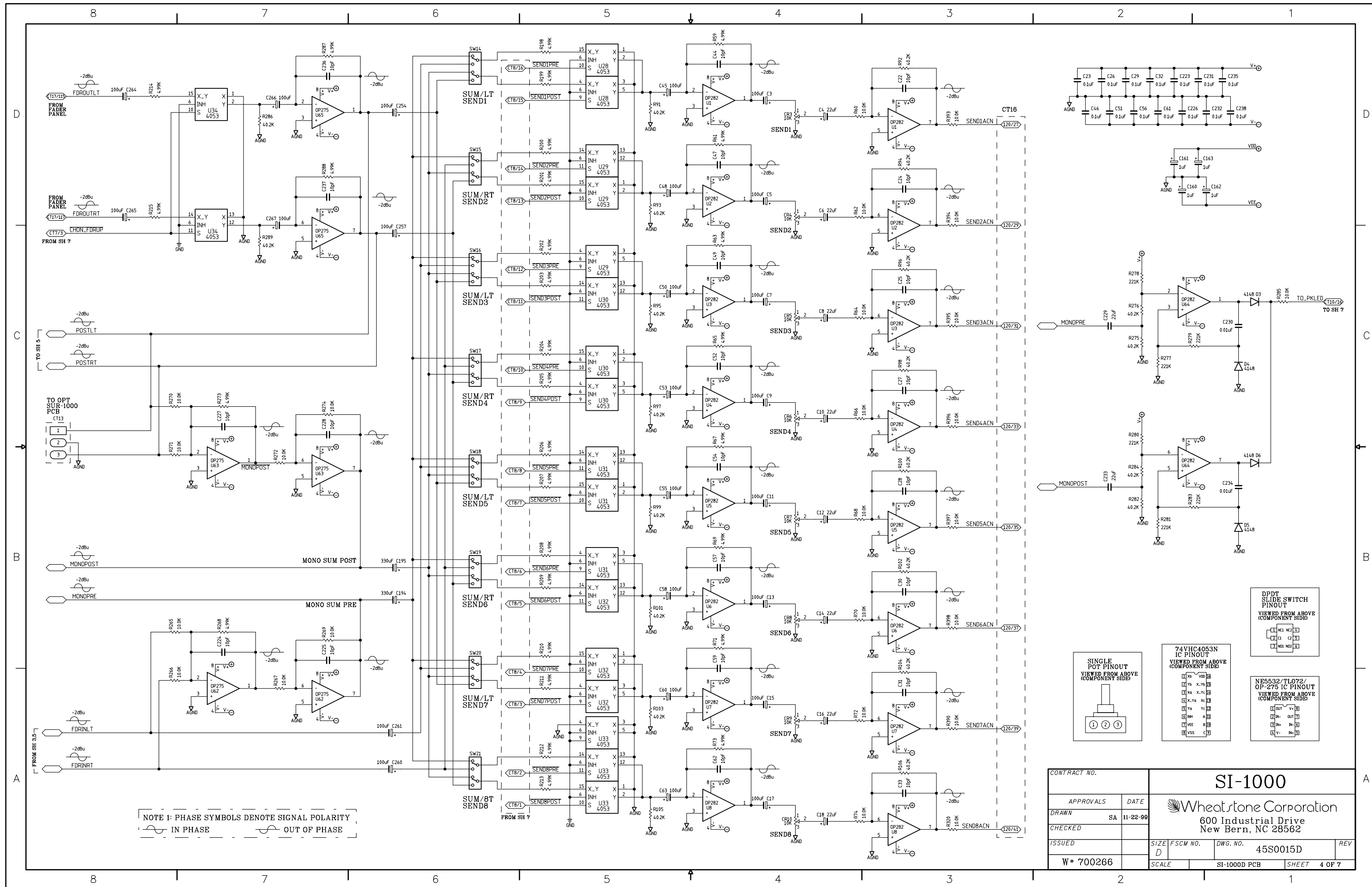
SI-1000 Stereo Line Input Module Schematic - Sheet 1 of 11



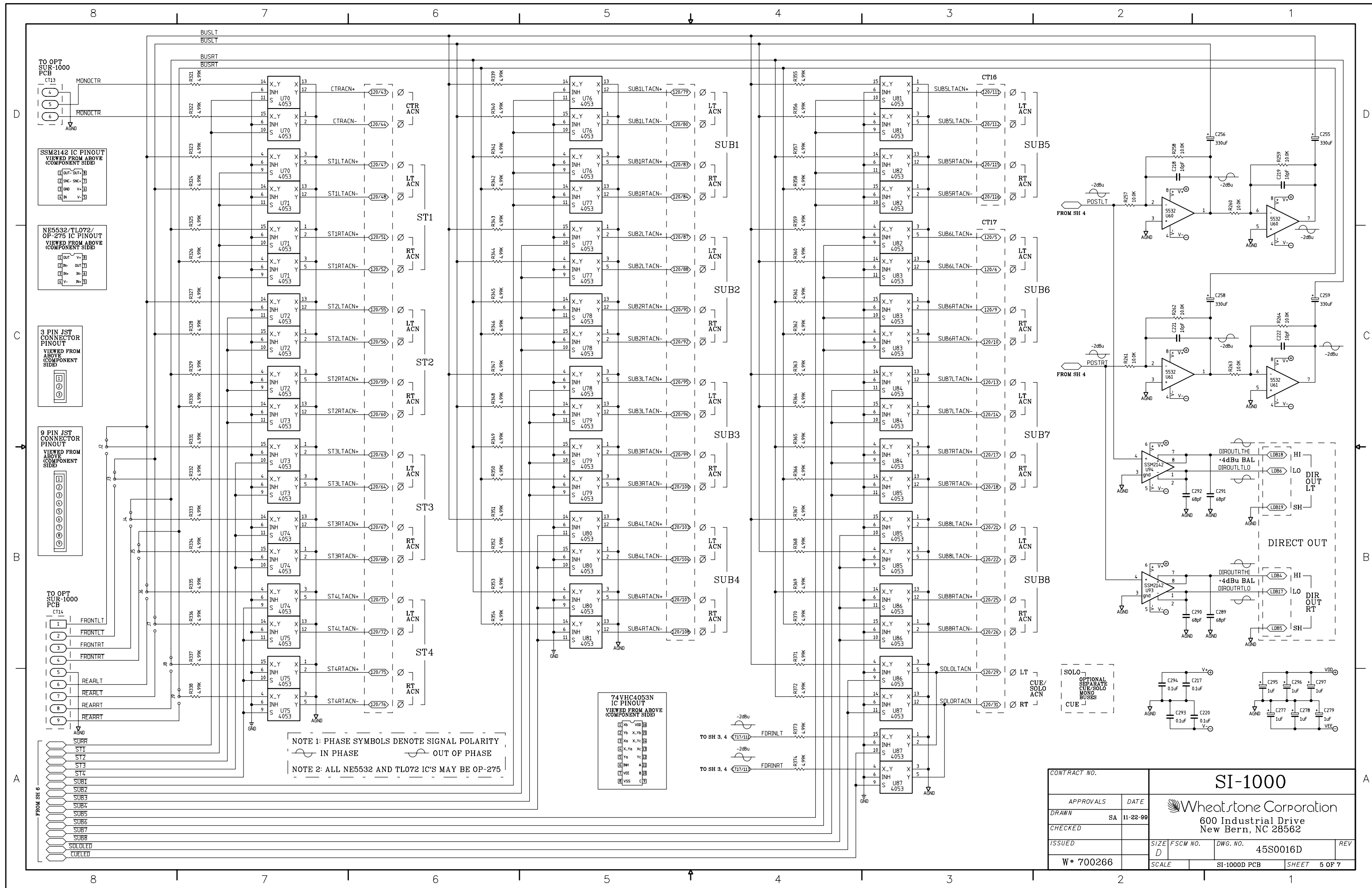
SI-1000 Stereo Line Input Module Schematic - Sheet 2 of 11



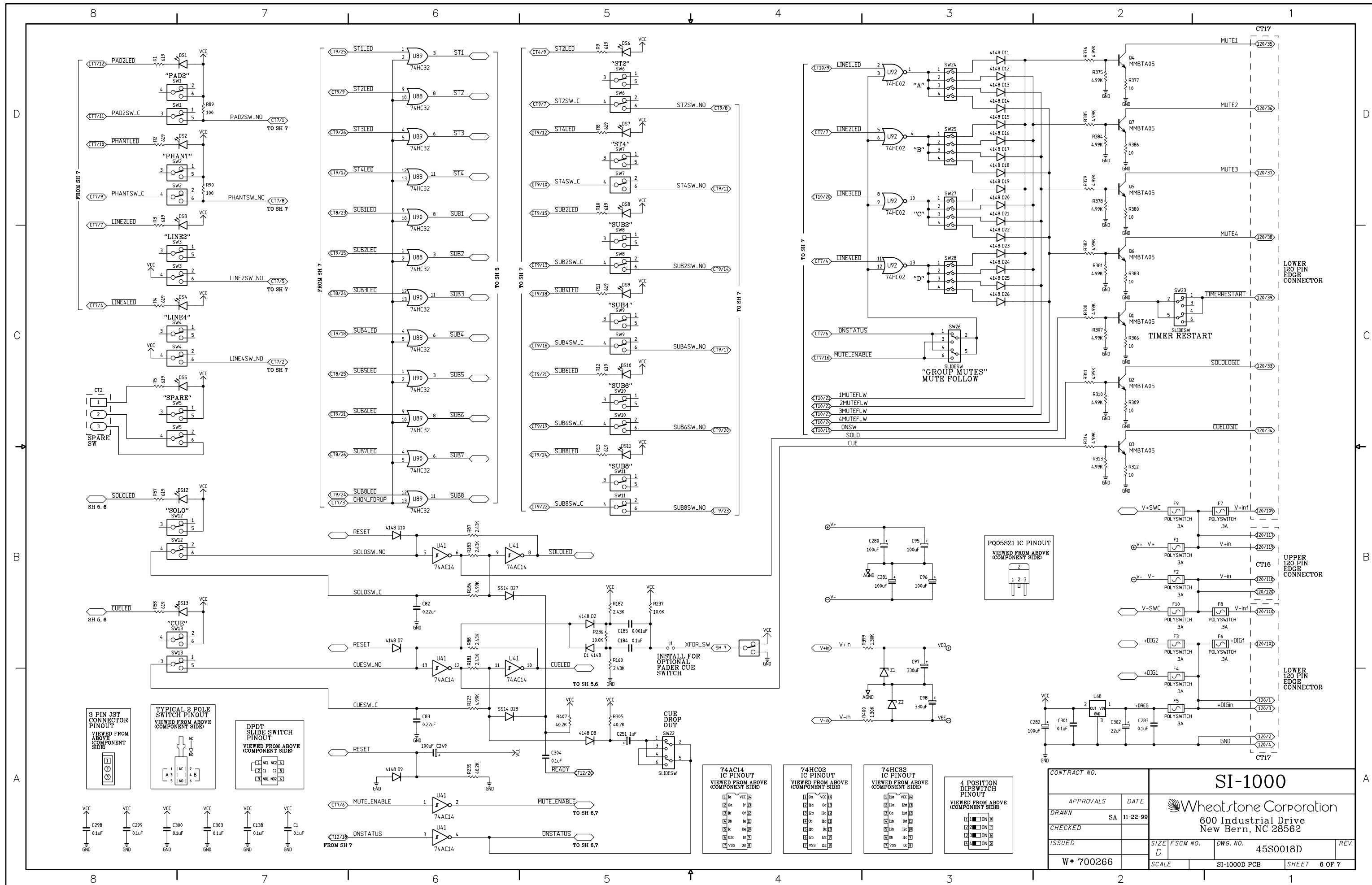
SI-1000 Stereo Line Input Module Schematic - Sheet 3 of 11



SI-1000 Stereo Line Input Module Schematic - Sheet 4 of 11



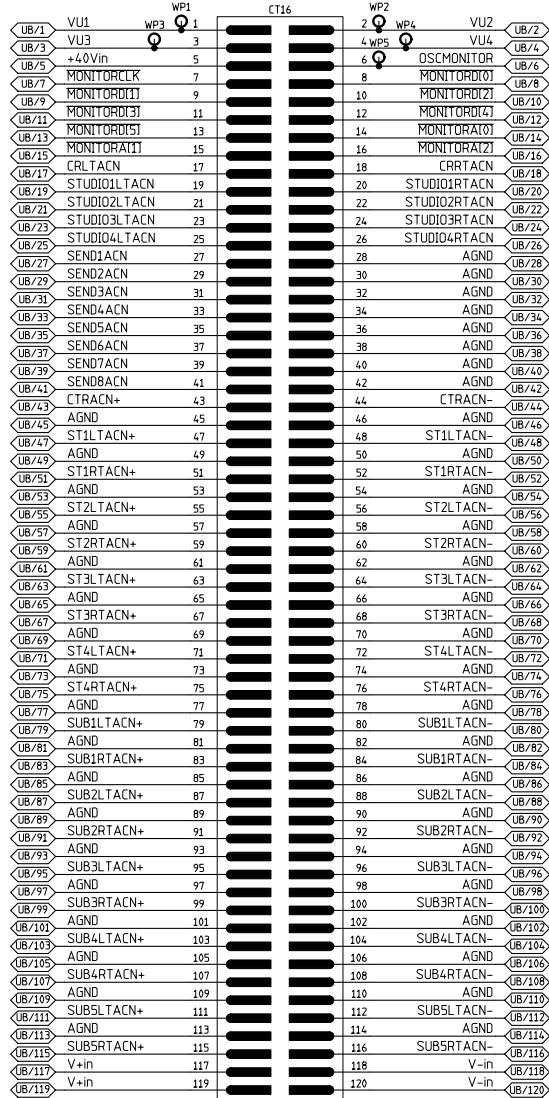
SI-1000 Stereo Line Input Module Schematic - Sheet 5 of 11



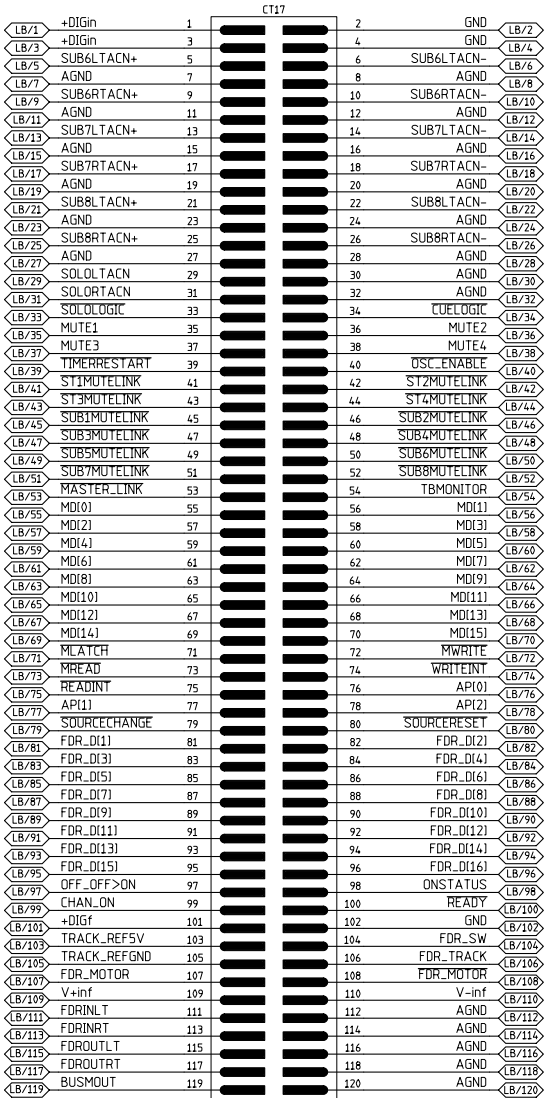
SI-1000 Stereo Line Input Module Schematic - Sheet 6 of 11

EDGE  
CONNECTORS  
BUSS CHART

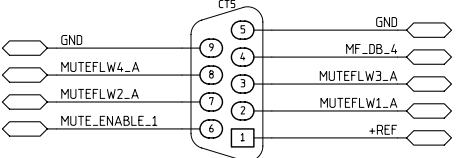
UPPER 120 PIN EDGE CONNECTOR



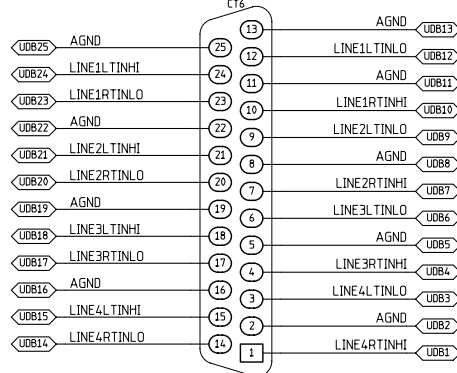
LOWER 120 PIN EDGE CONNECTOR



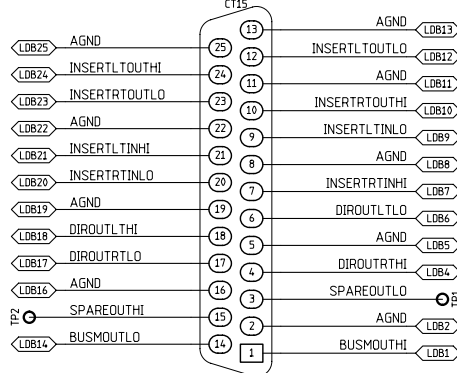
UPPER DB-9 CONNECTOR



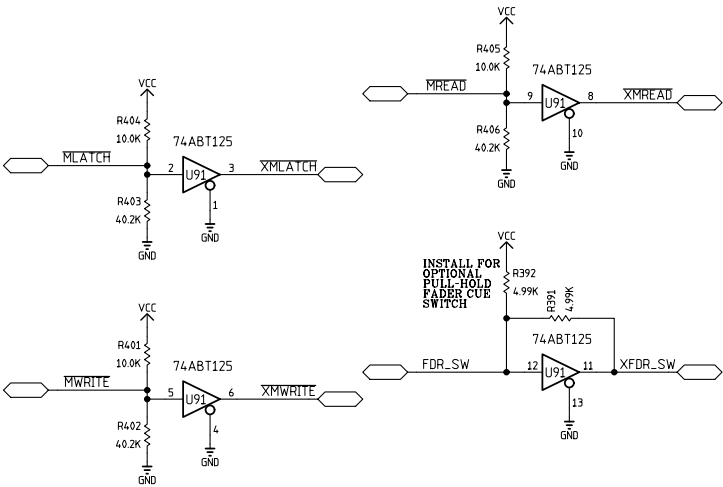
UPPER DB-25 CONNECTOR




LOWER DB-25 CONNECTOR

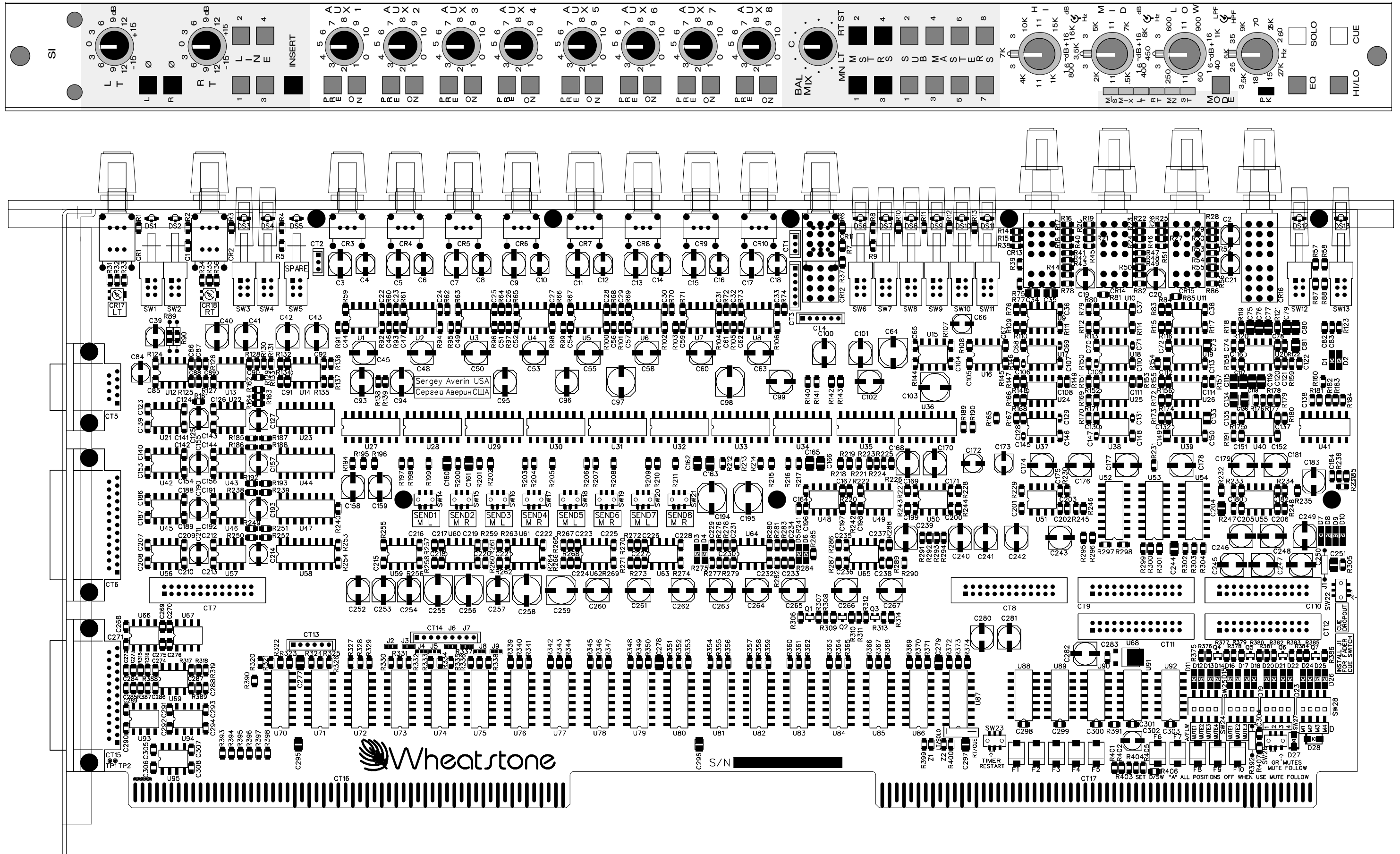


I/O CONNECTORS  
CHART



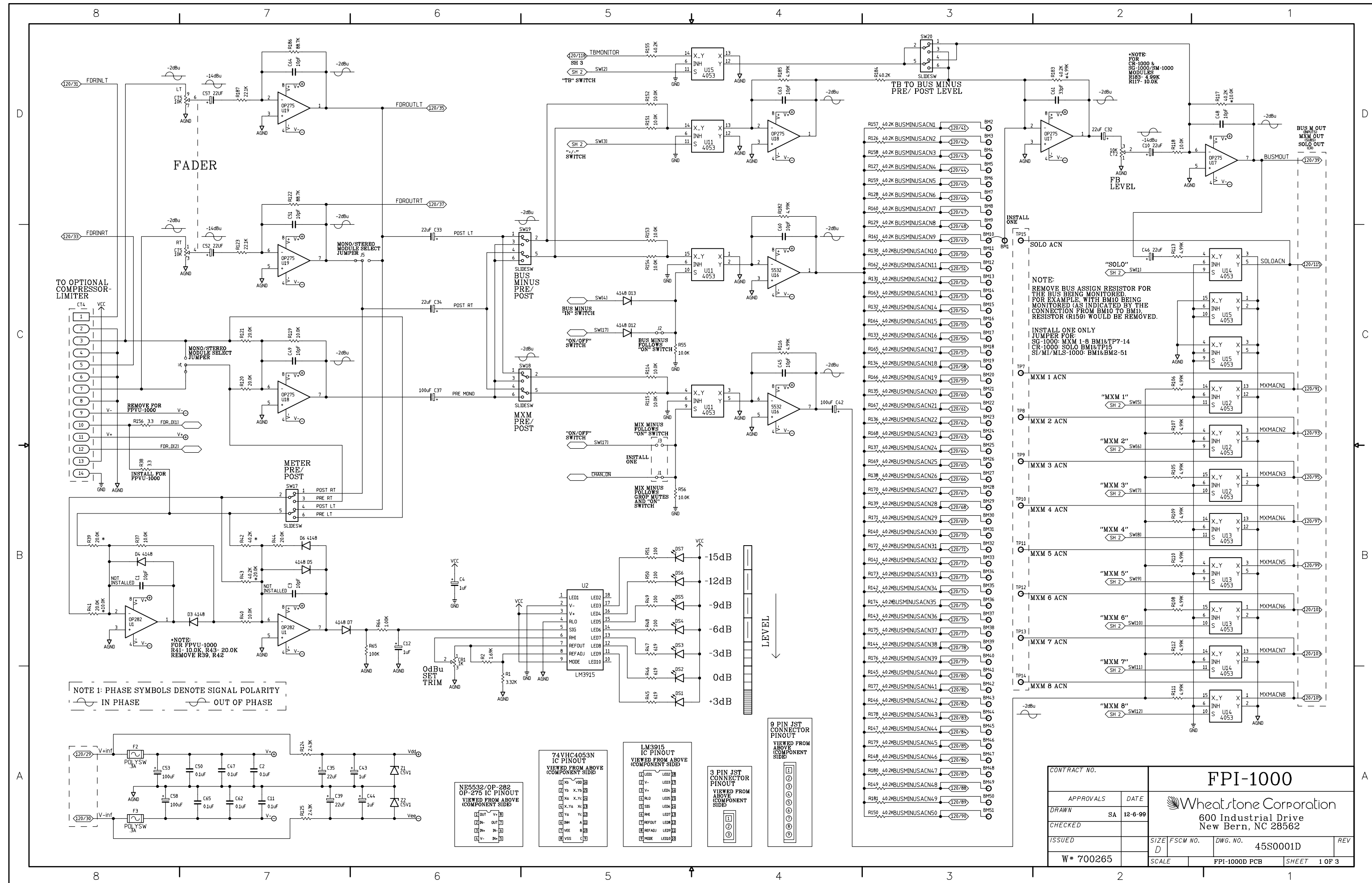
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APPROVALS	DATE	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 11-22-99				
CHECKED		SIZE D	FSCM NO.	DWG. NO.	REV
ISSUED		W# 700266		45S0019D	
		SCALE	SI-1000D PCB		SHEET 7 OF 7





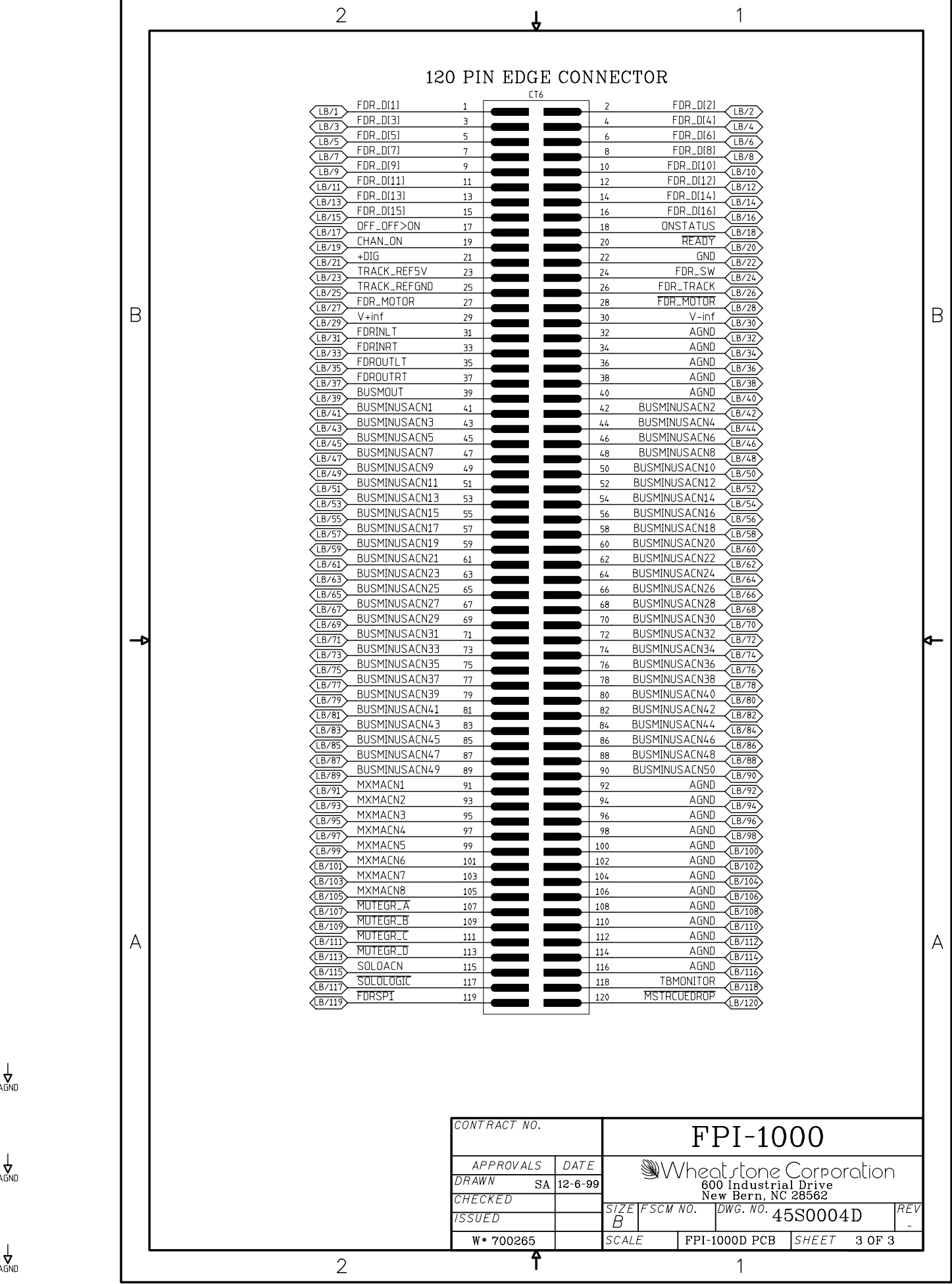
SI-1000 Stereo Input Module Load Sheet



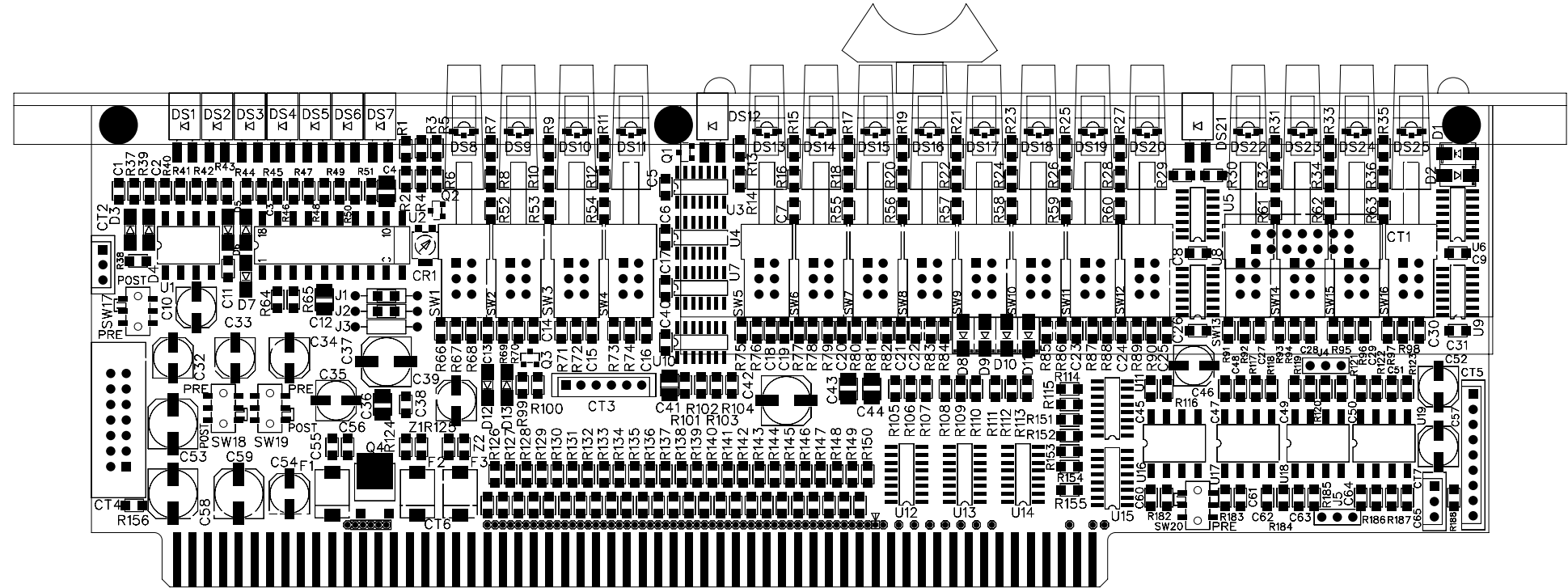
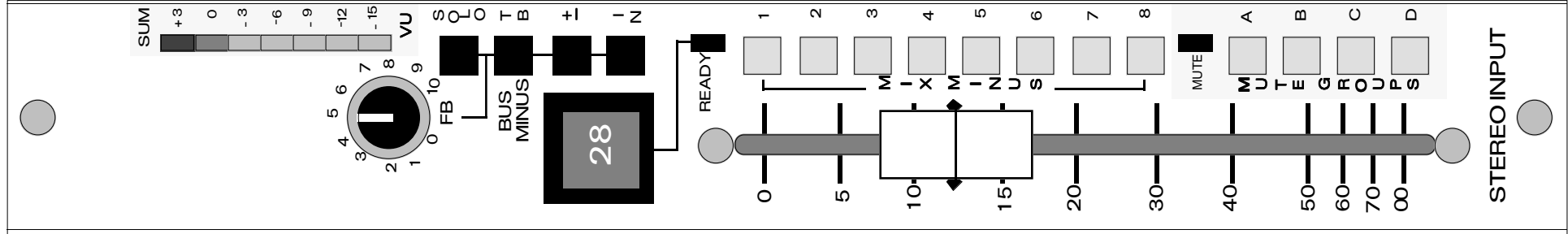
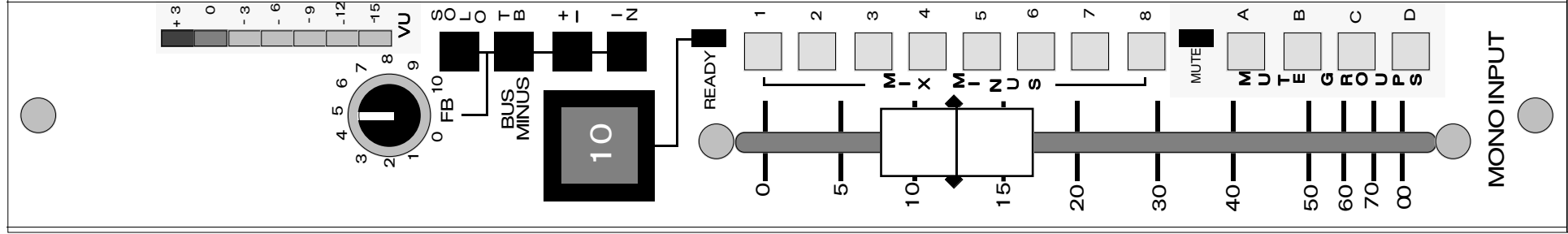


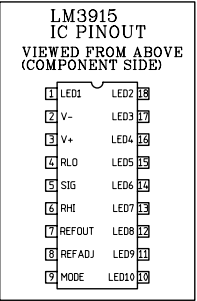
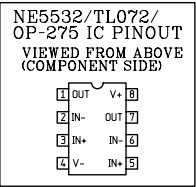
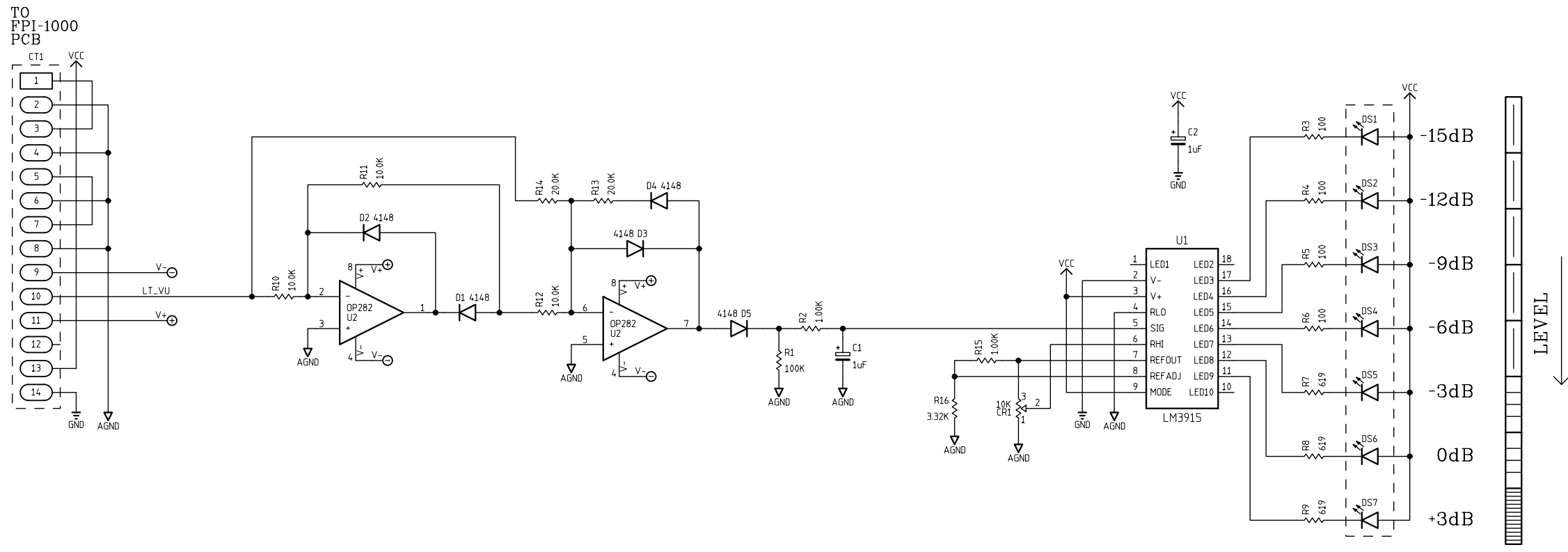
FPI-1000 Fader Panel Input Module Schematic - Sheet 1 of 3






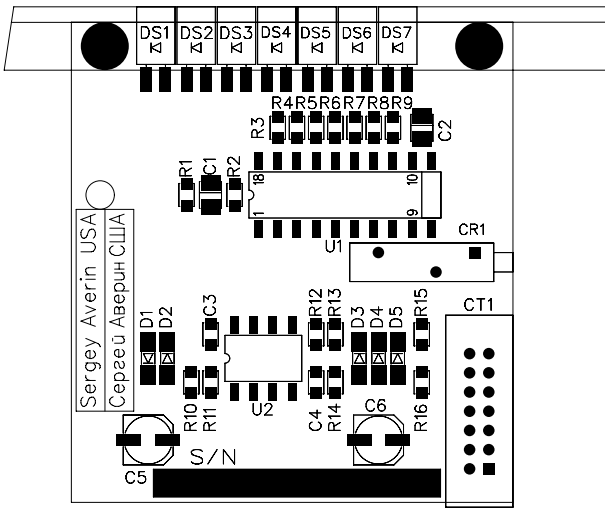
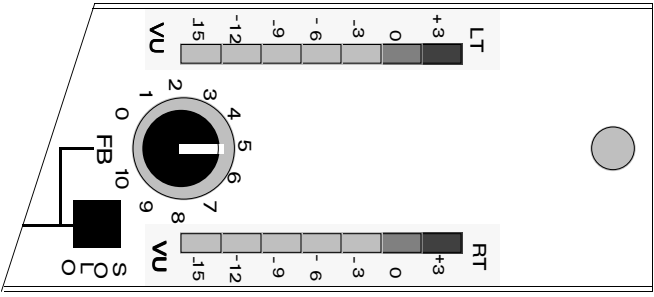
FPI-1000 Fader Panel Input Module  
Schematic - Sheet 3 of 3





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

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

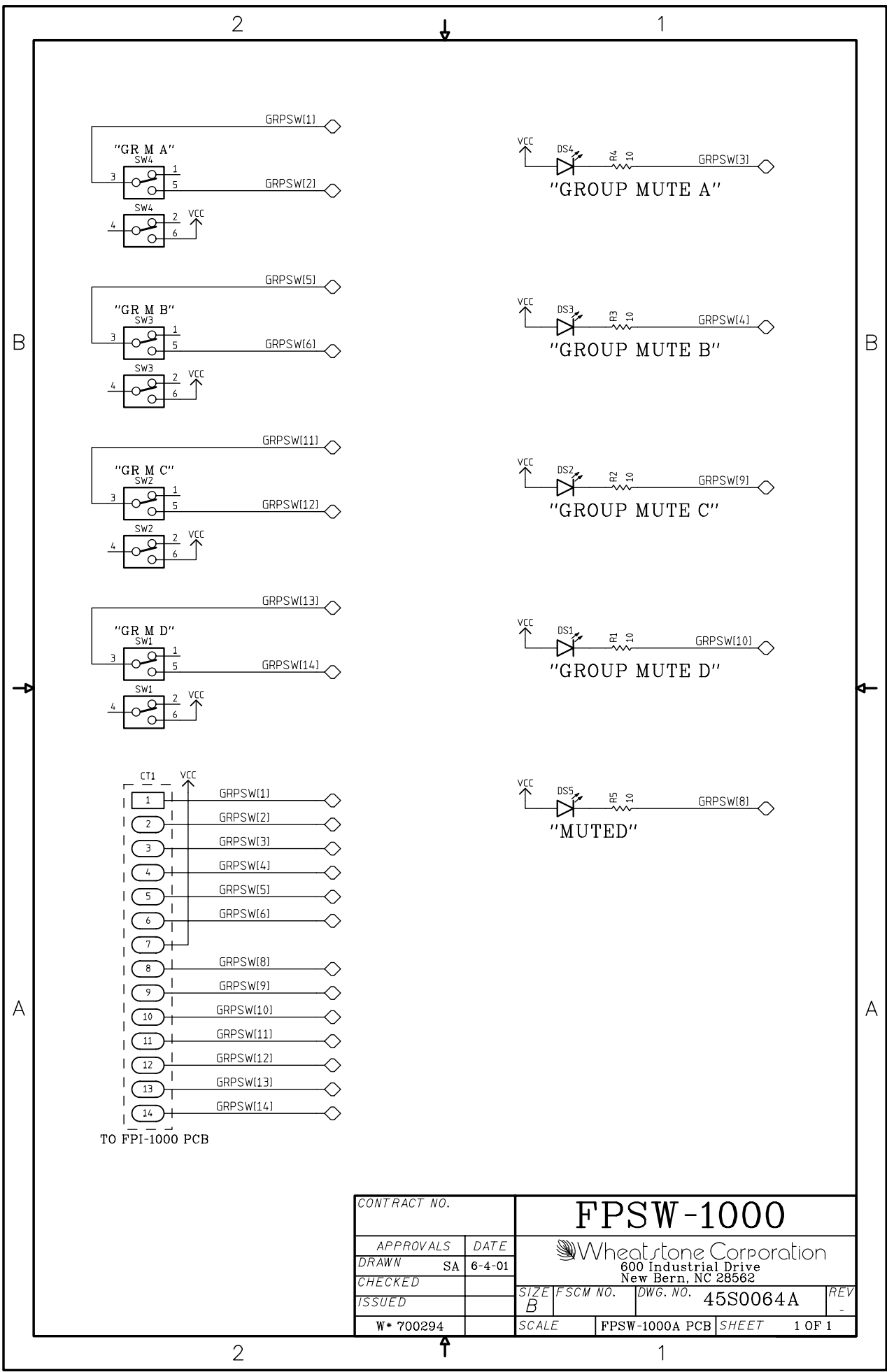



REF: **OPTIONAL** fader panel w/both  
LEFT and RIGHT LED VU ladders

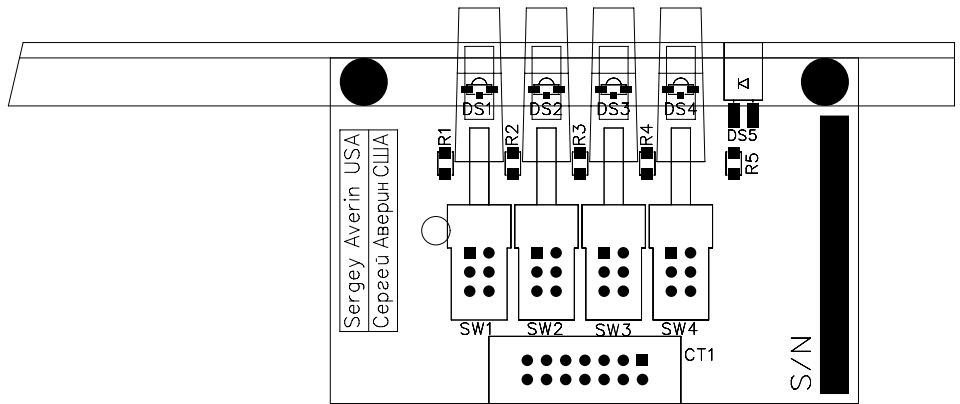
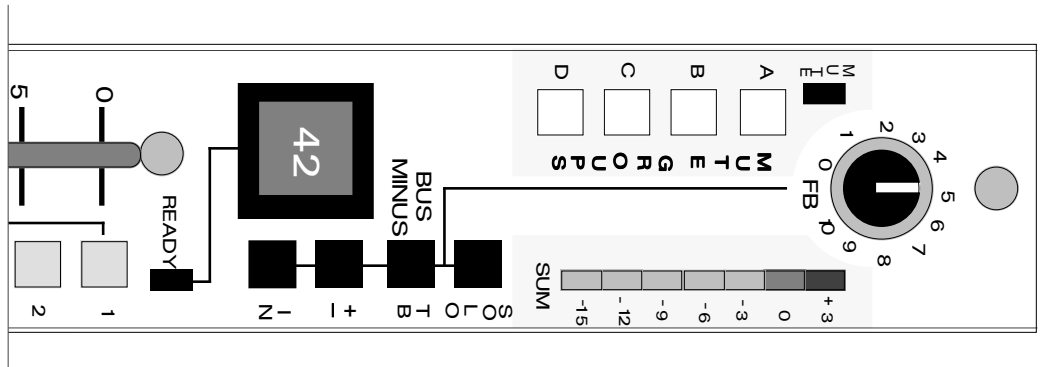


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AGND

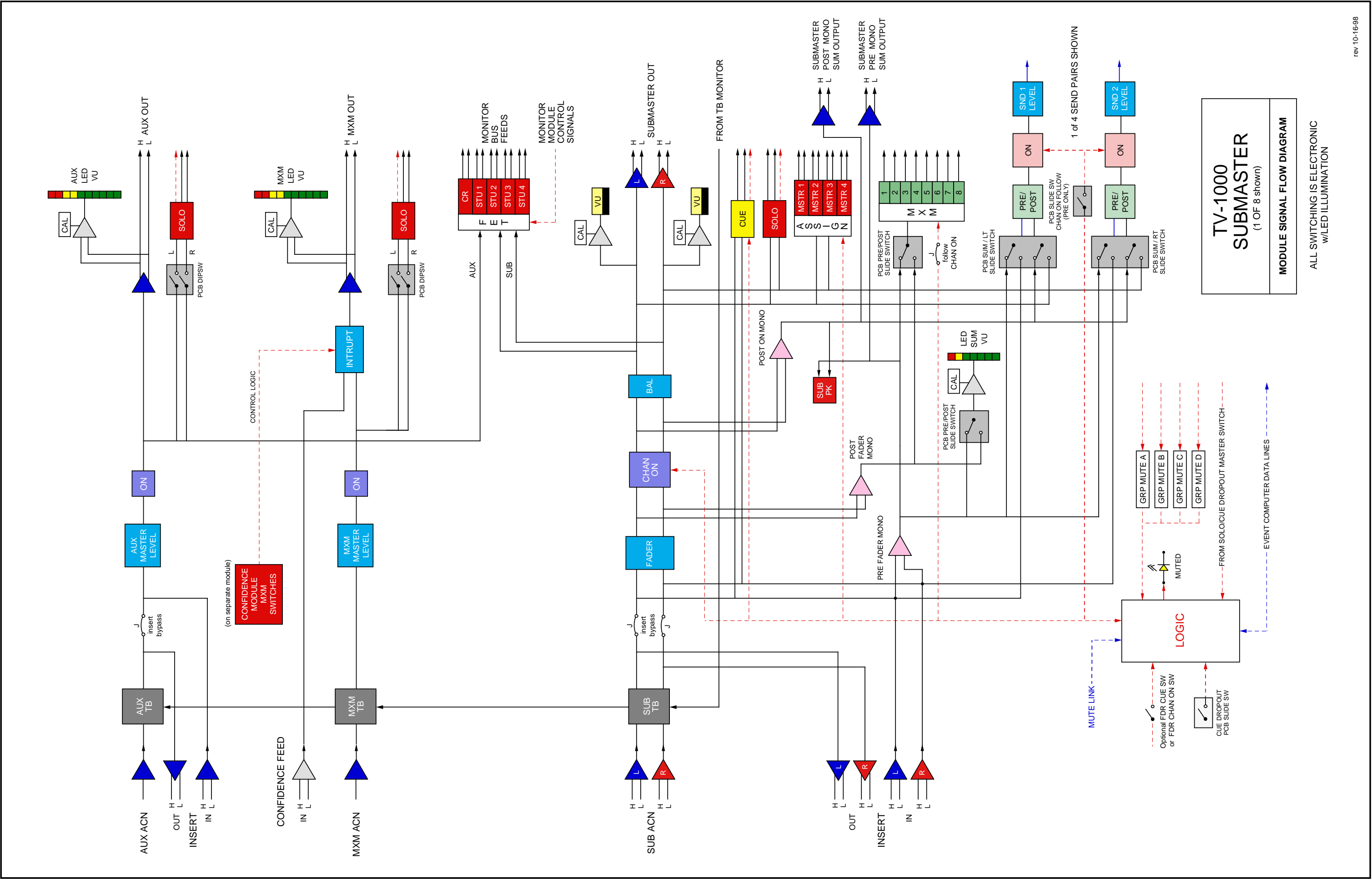
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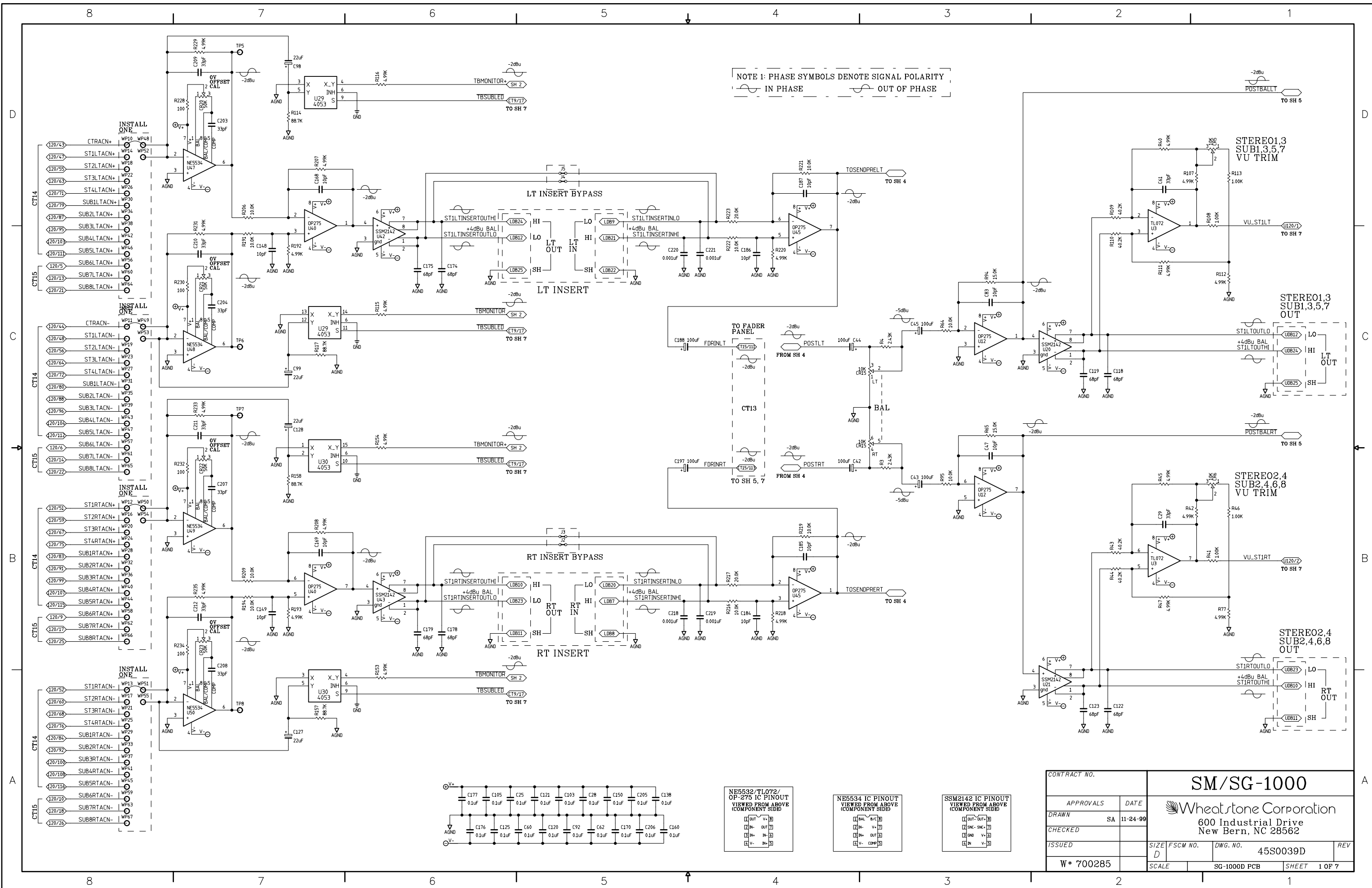


CONTRACT NO.		FPSW-1000			
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DRAWN SA	6-4-01				
CHECKED					
ISSUED					
W* 700294		SIZE B	FSCM NO.	DWG. NO. 45S0064A	REV -
		SCALE	FPSW-1000A PCB	SHEET 1 OF 1	

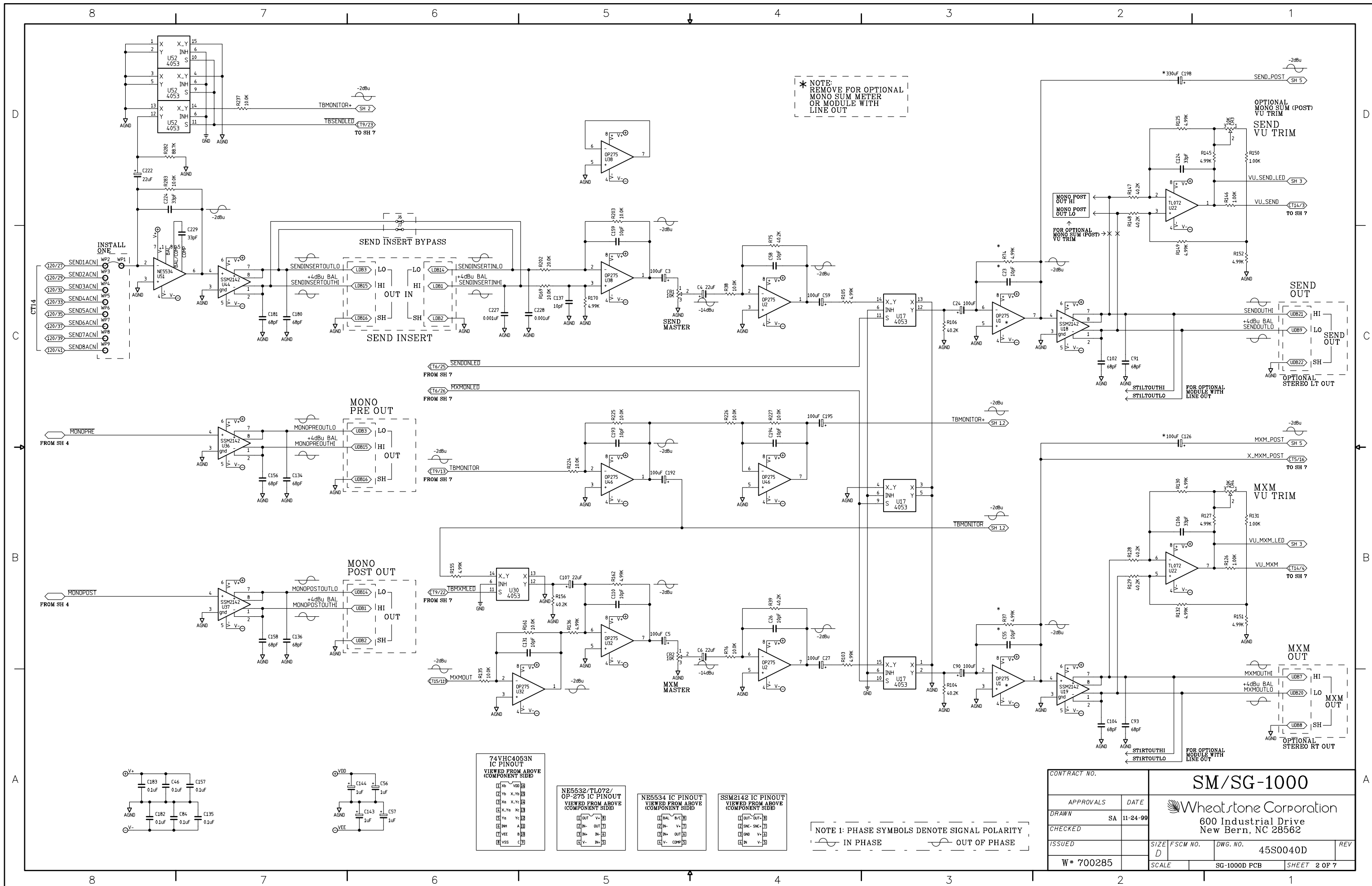


REF: **OPTIONAL** fader panel w/MUTE GROUP switches  
at top upper left of panel instead of bottom lower right

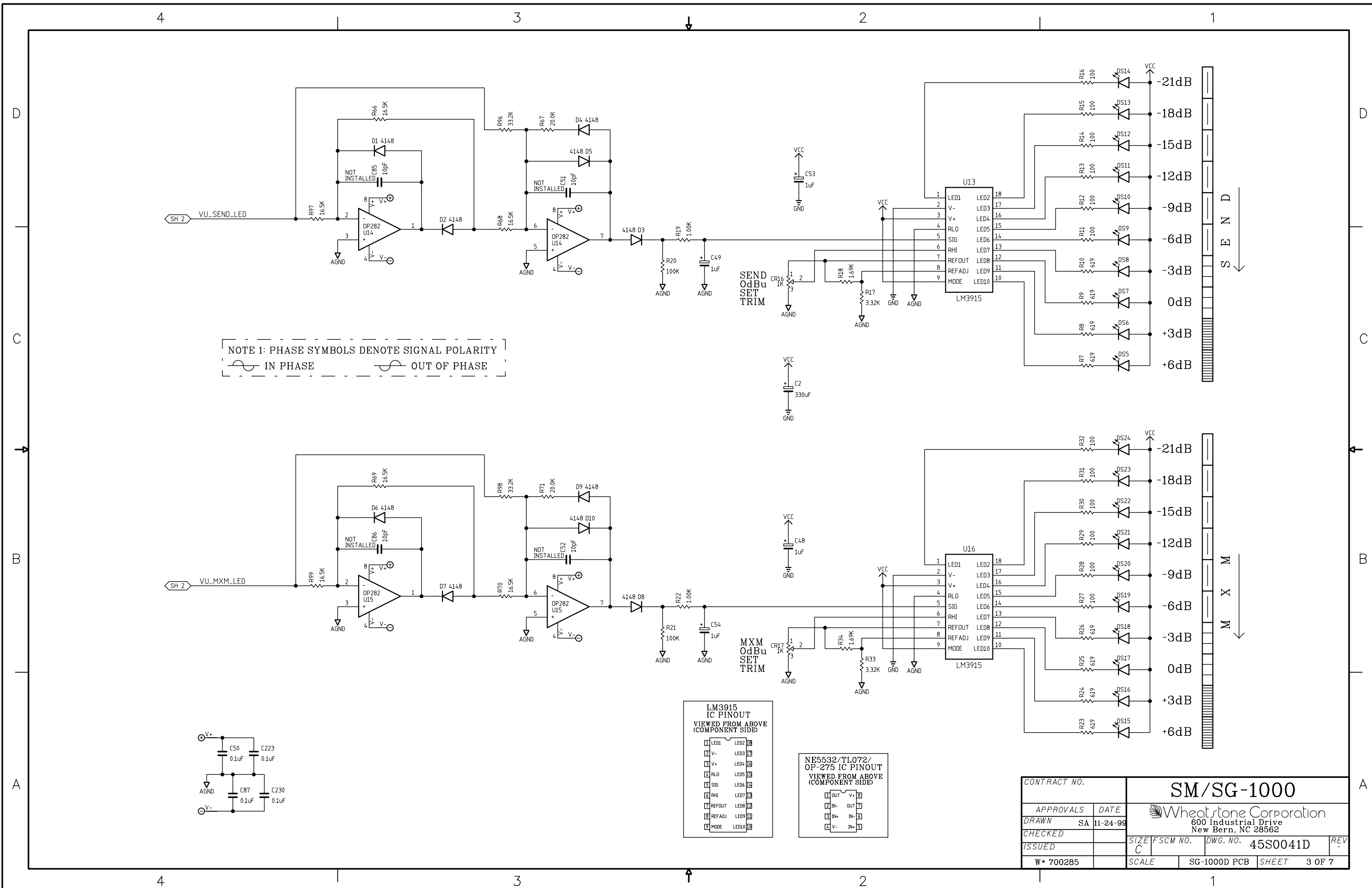




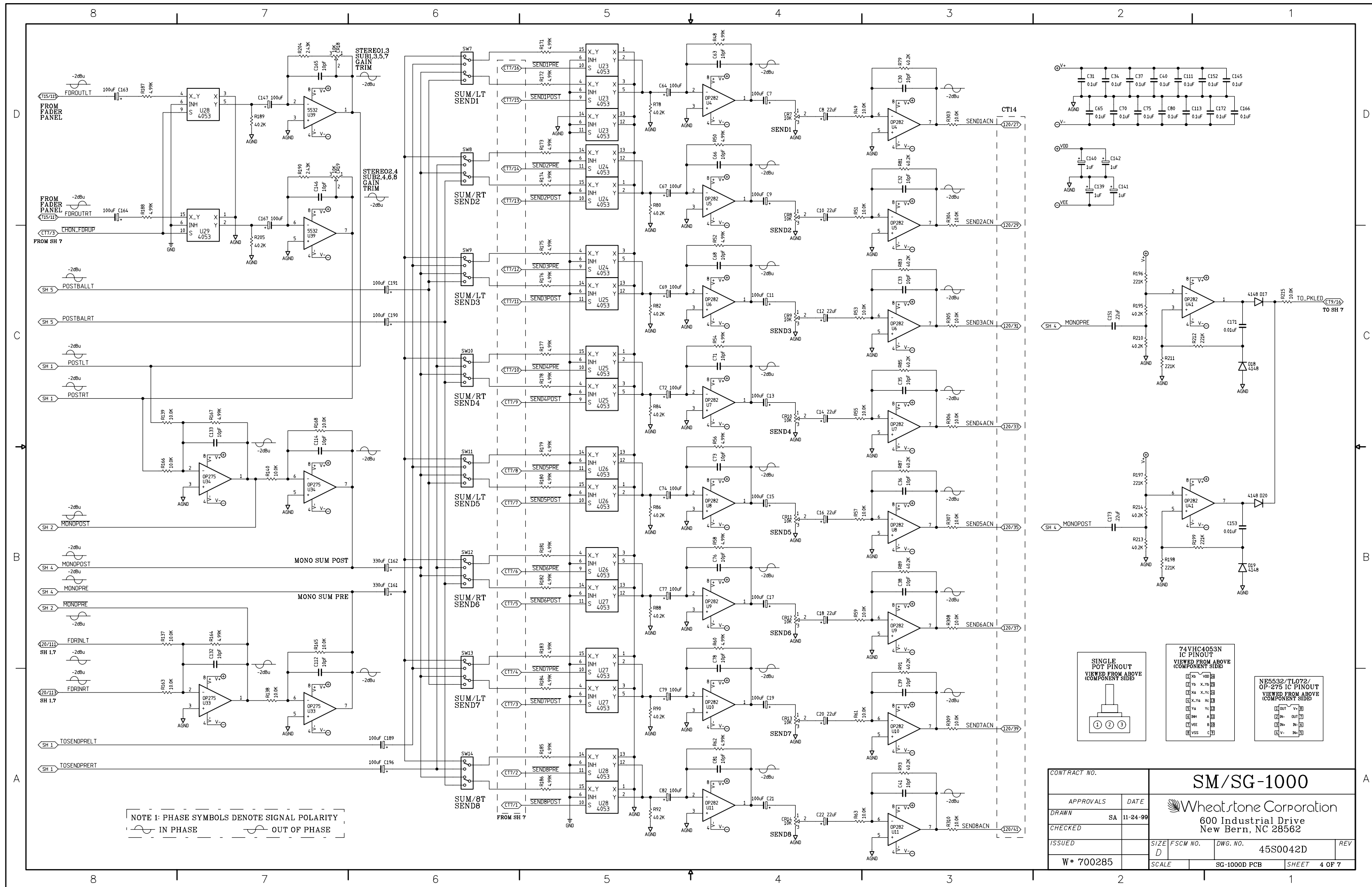
SG/SM-1000 Stereo Group/ Master Output Module Schematic - Sheet 1 of 11



SG/SM-1000 Stereo Group/ Master Output Module Schematic - Sheet 2 of 11



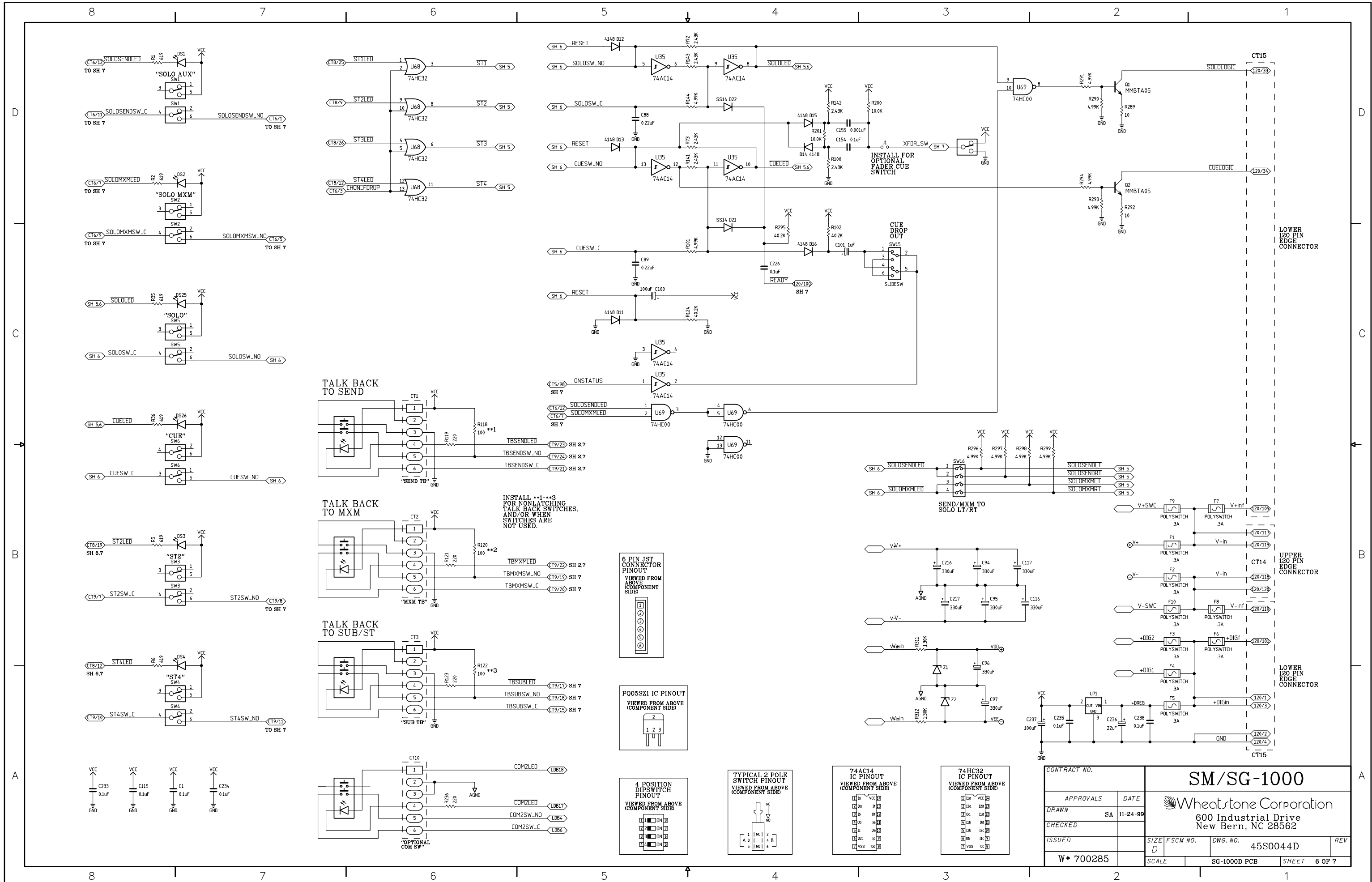
SG/SM-1000 Stereo Group/ Master Output Module Schematic - Sheet 3 of 11



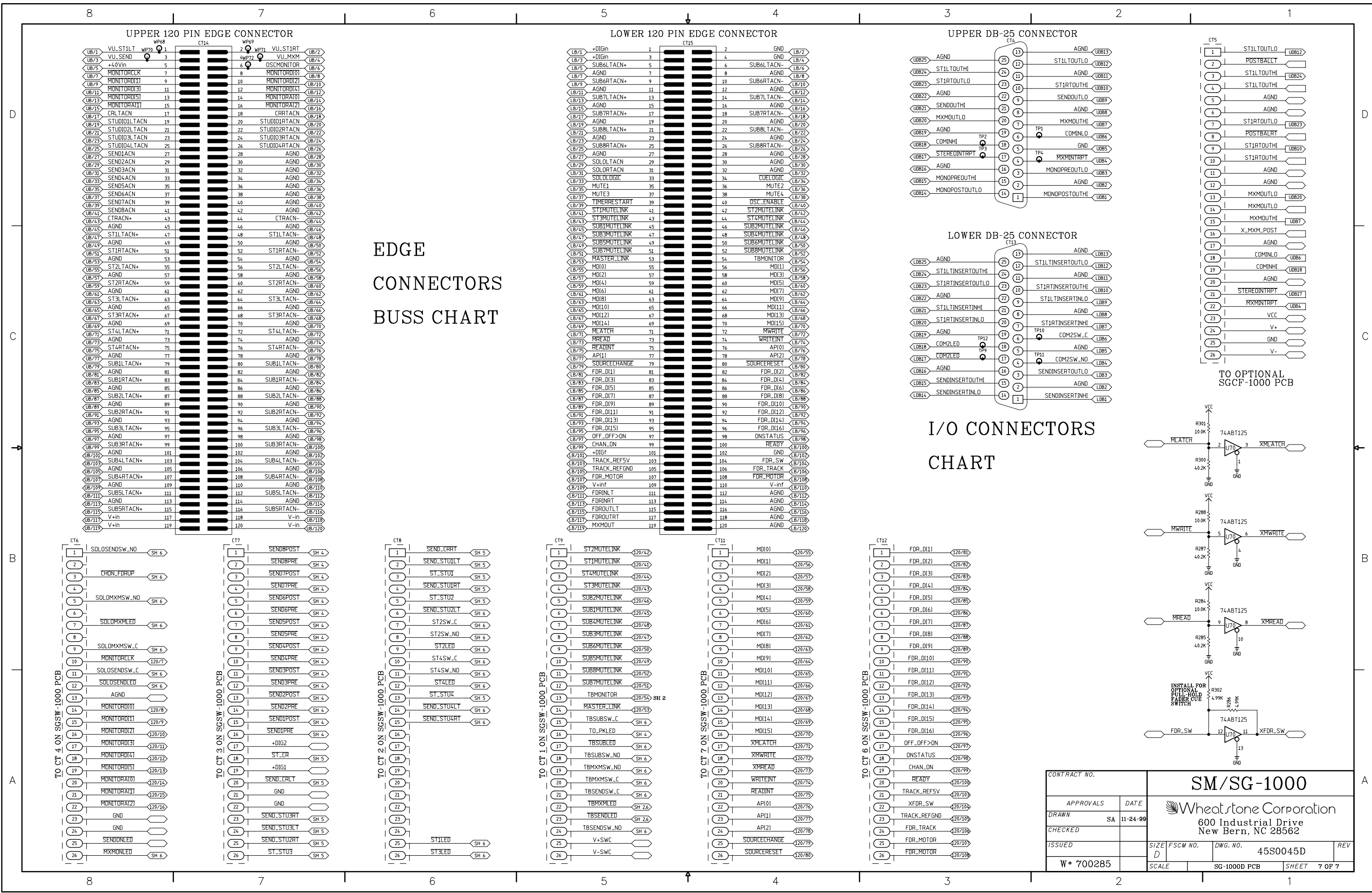
SG/SM-1000 Stereo Group/ Master Output Module Schematic - Sheet 4 of 11

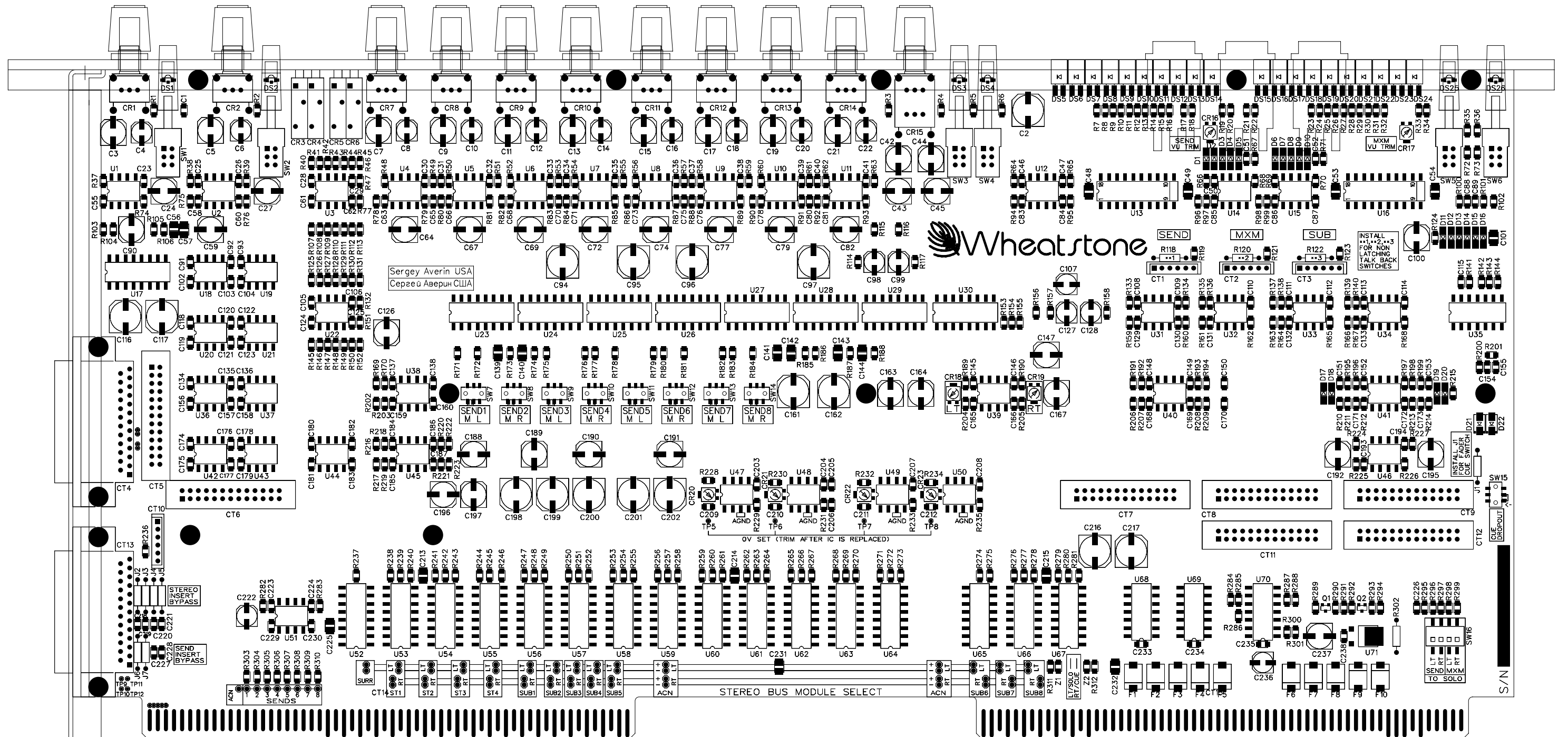
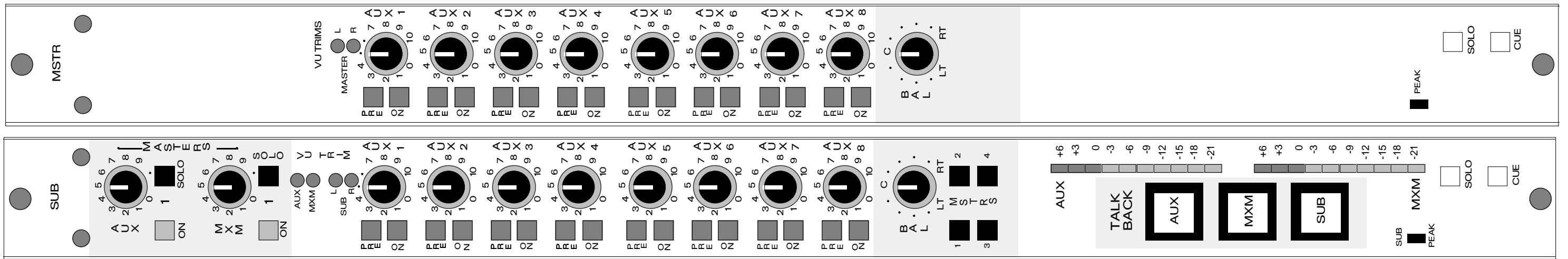




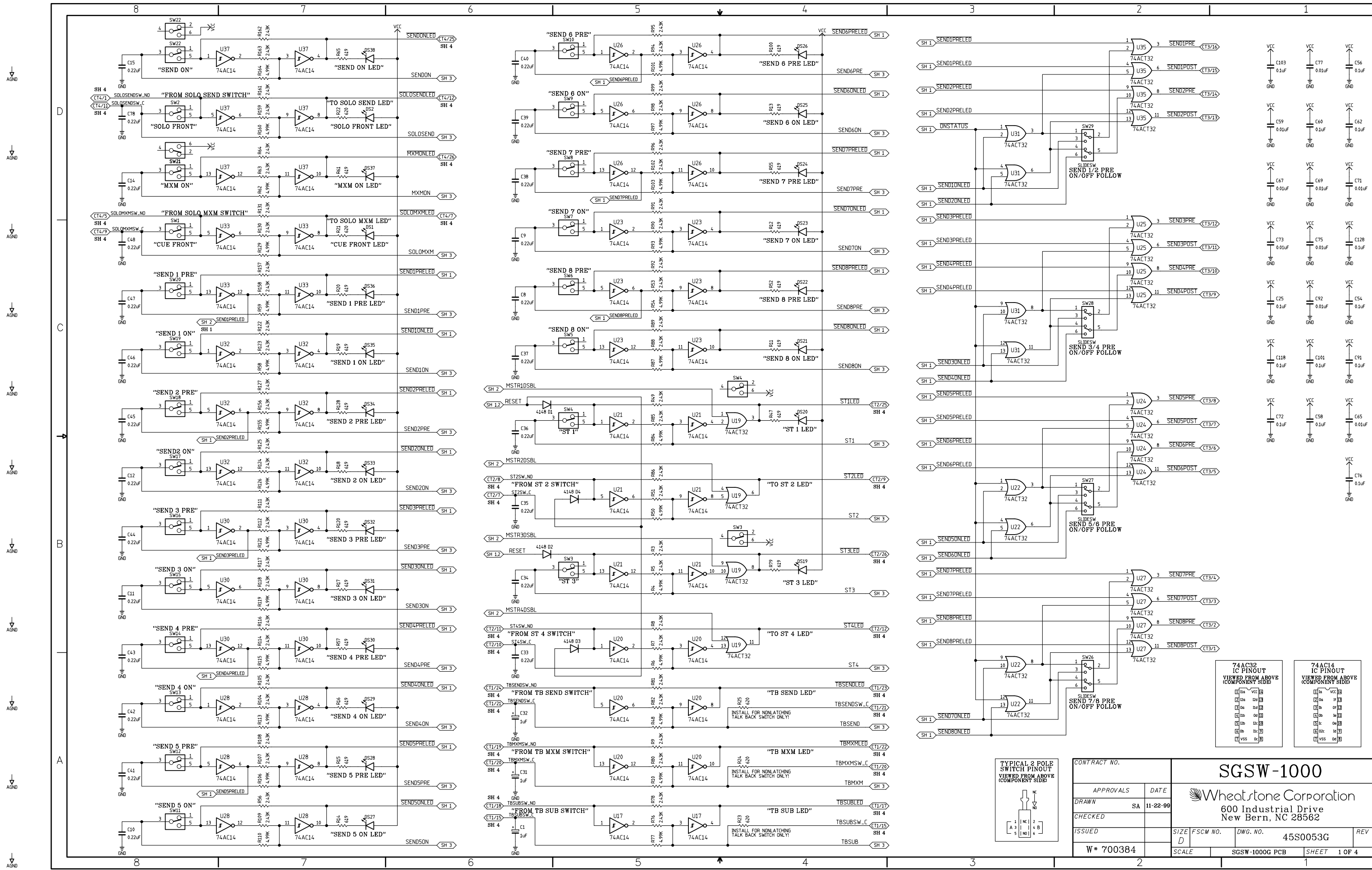


SG/SM-1000 Stereo Group/ Master Output Module Schematic - Sheet 6 of 11

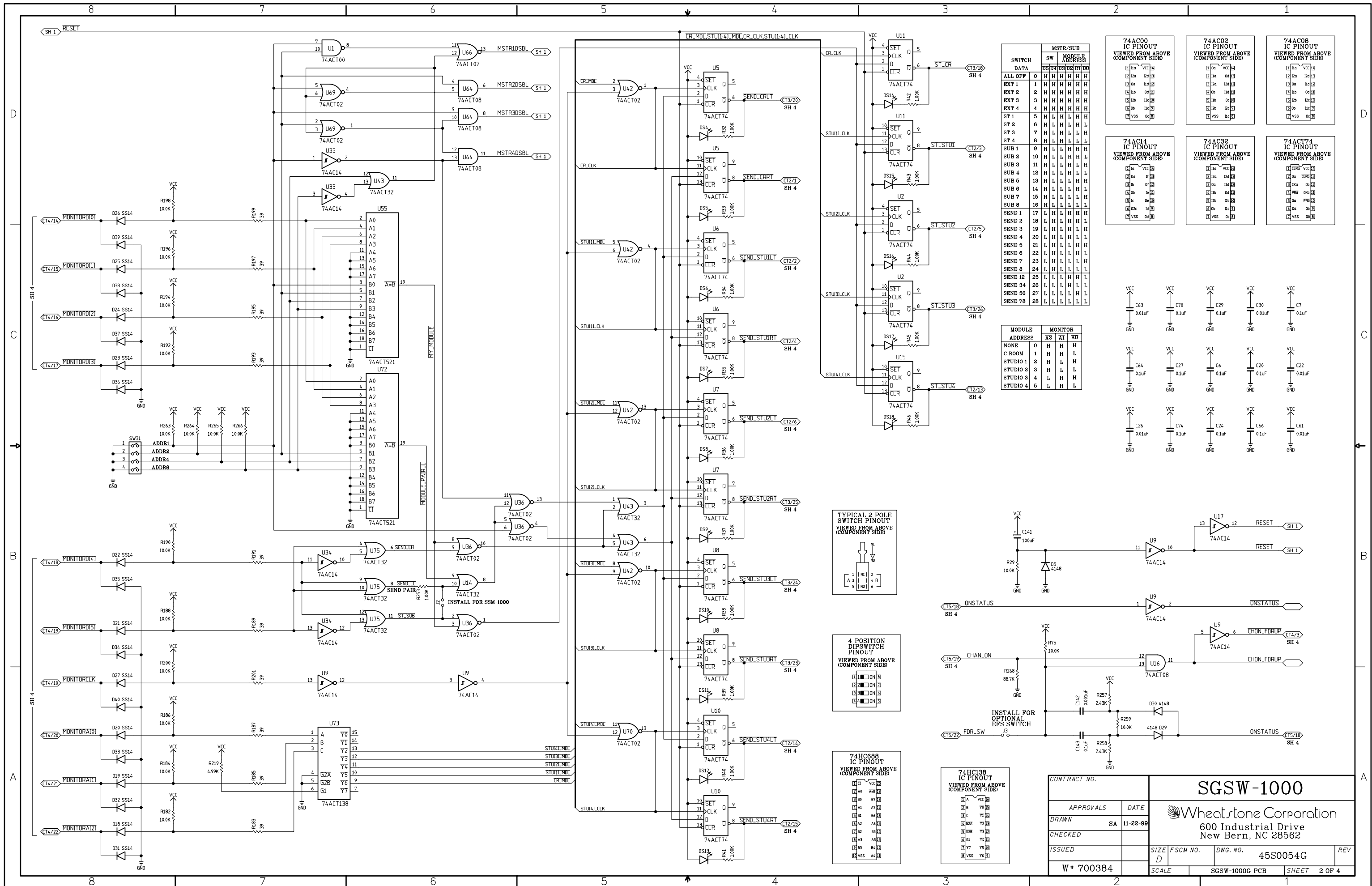




SG/SM-1000 Stereo Group/Master Output Module Load Sheet

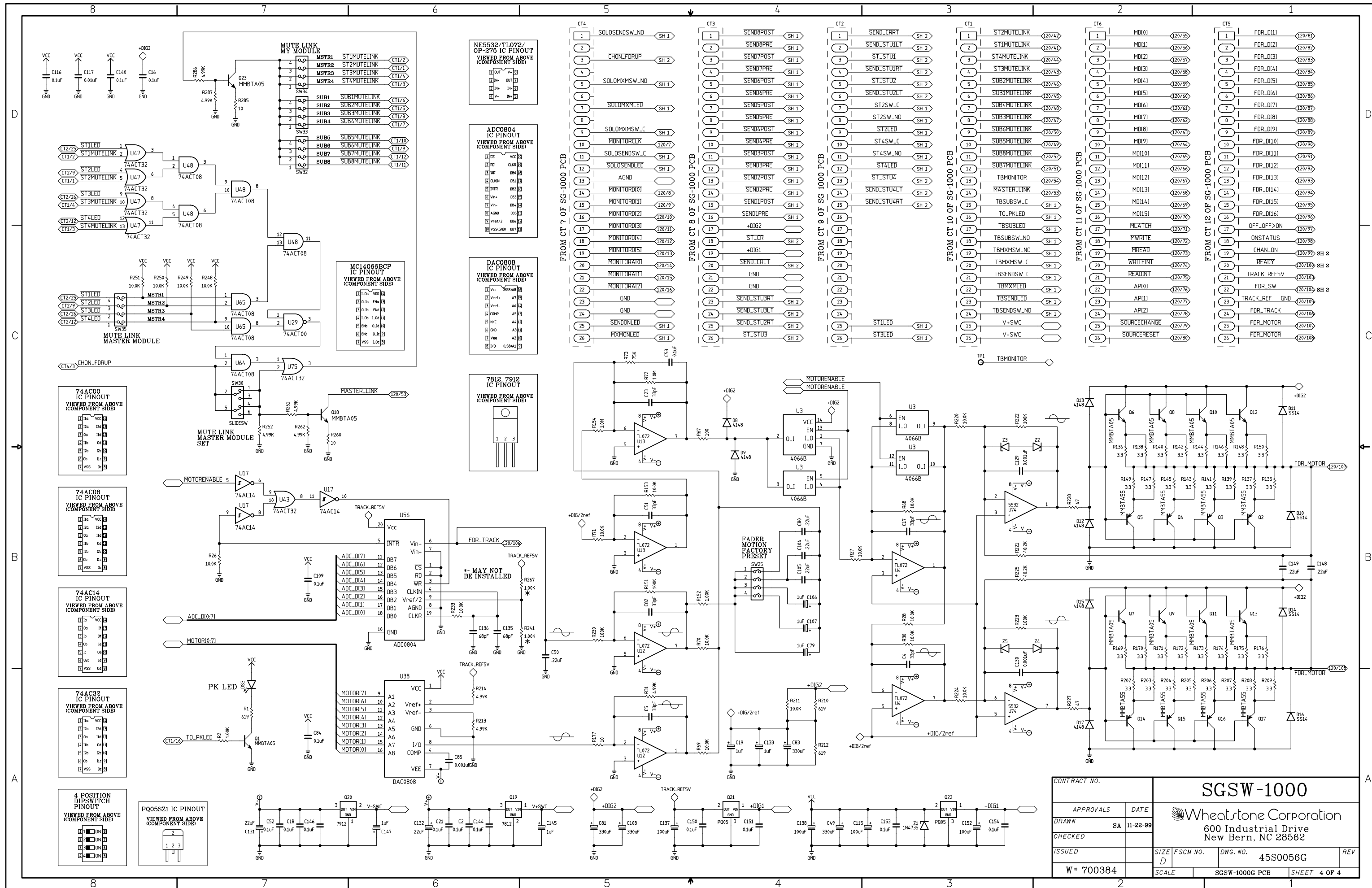


SG/SM-1000 Stereo Group/ Master Output Module Schematic - Sheet 8 of 11

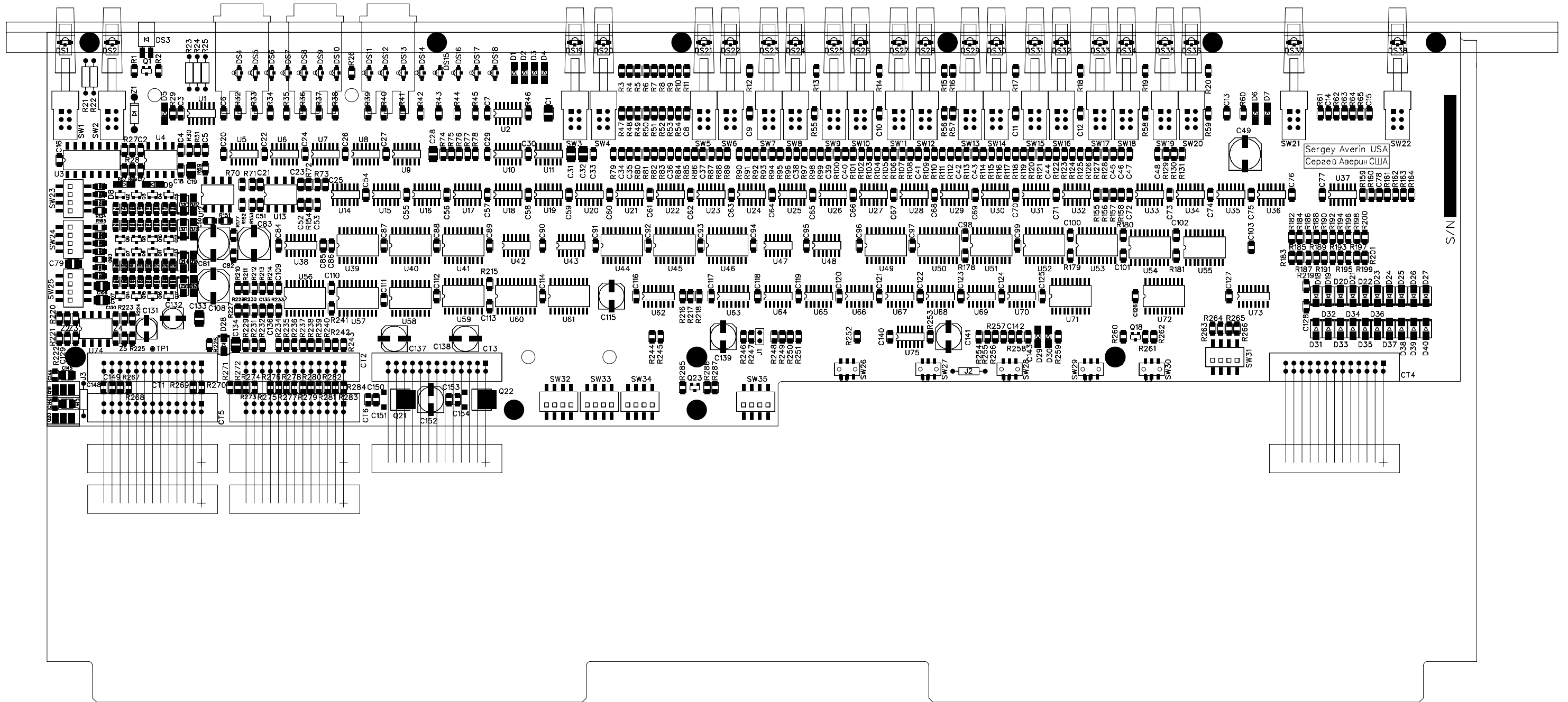
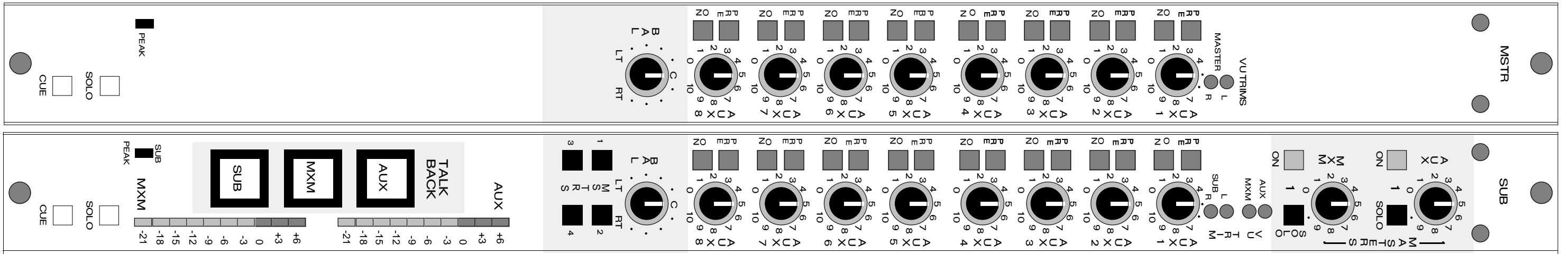




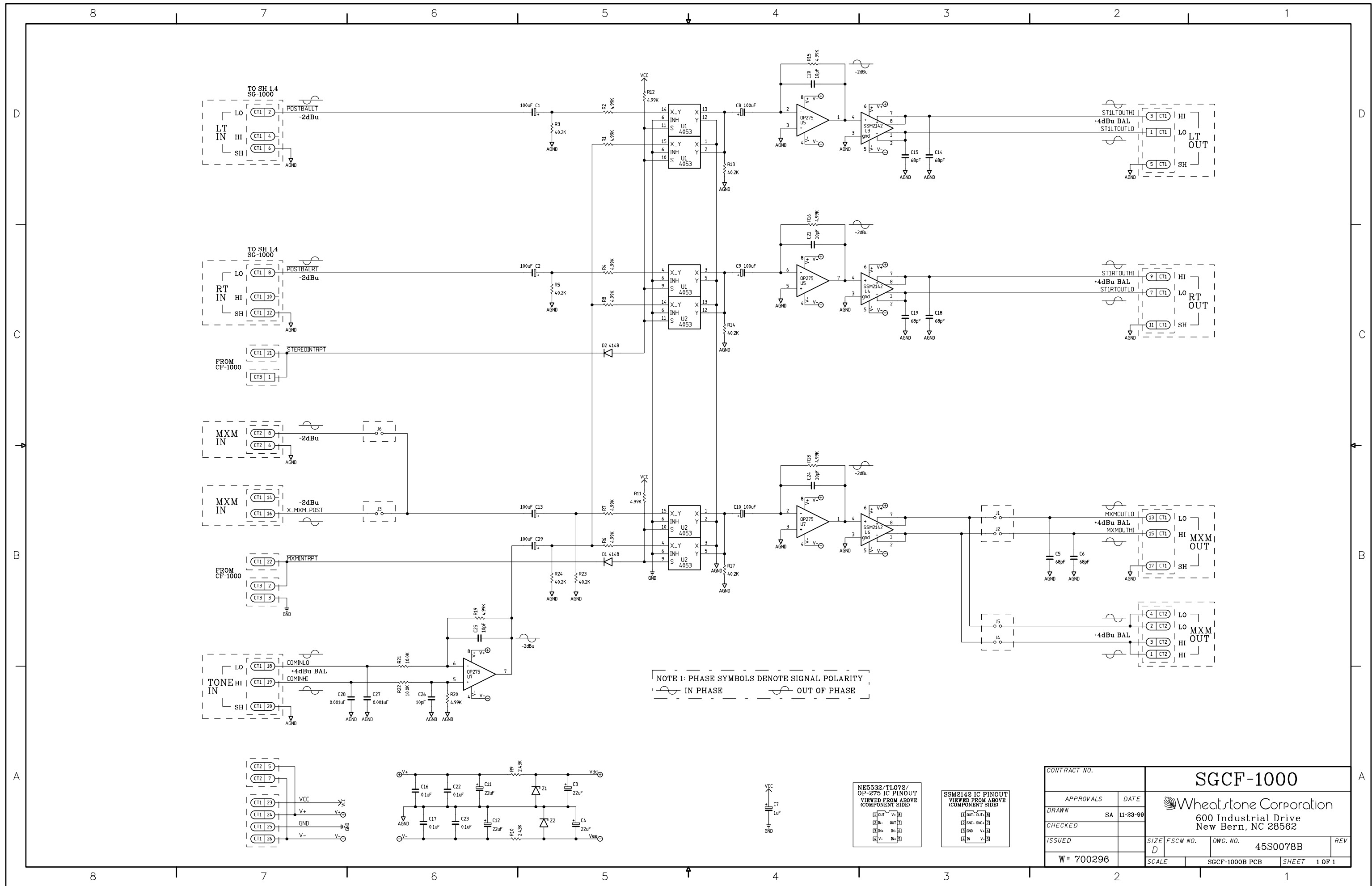




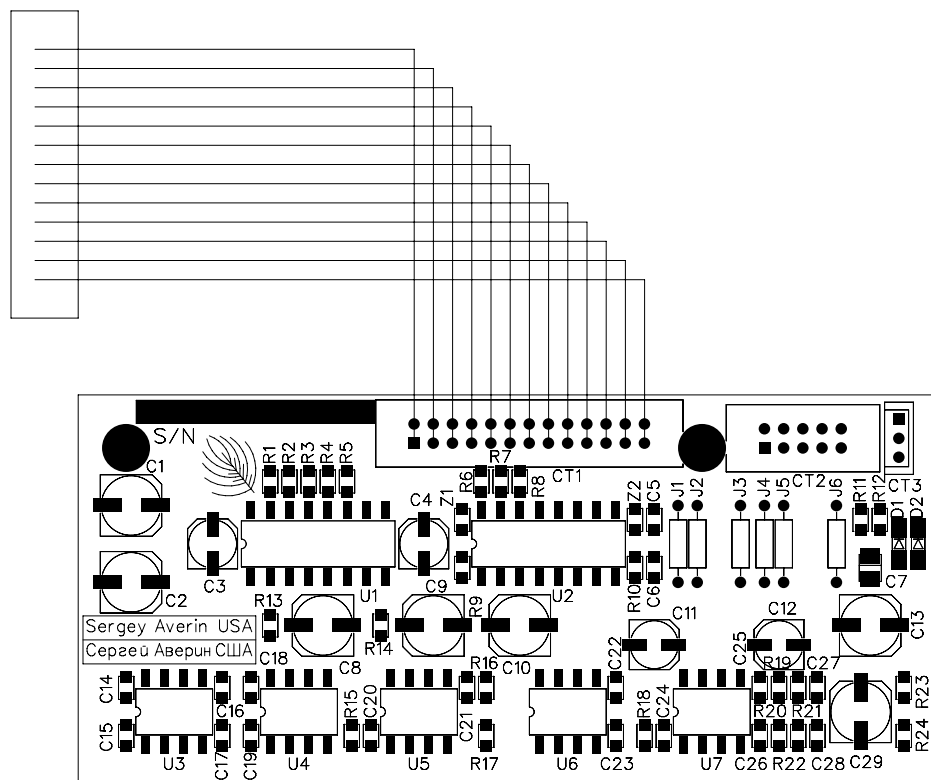
SG/SM-1000 Stereo Group/ Master Output Module Schematic - Sheet 11 of 11

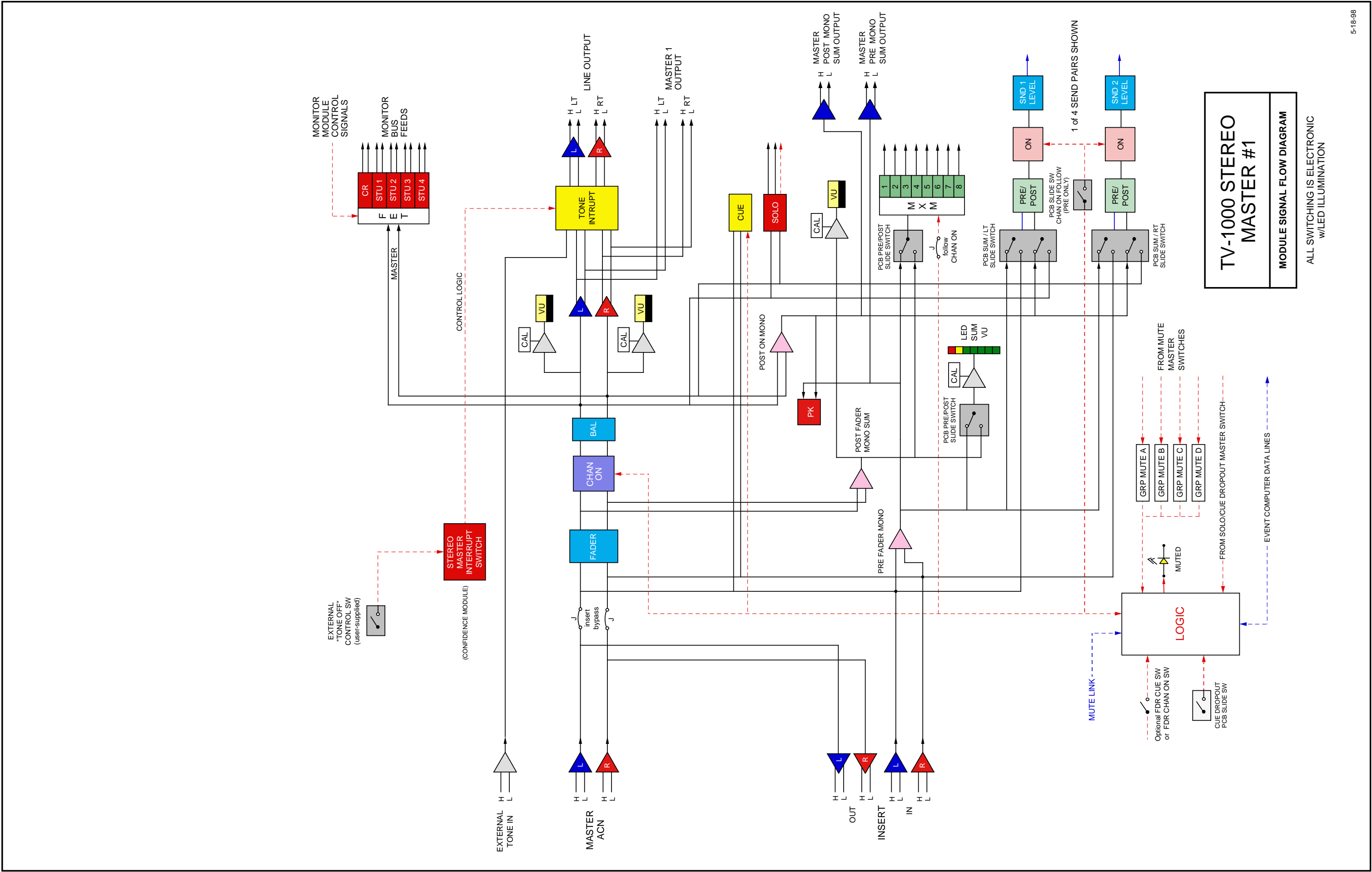


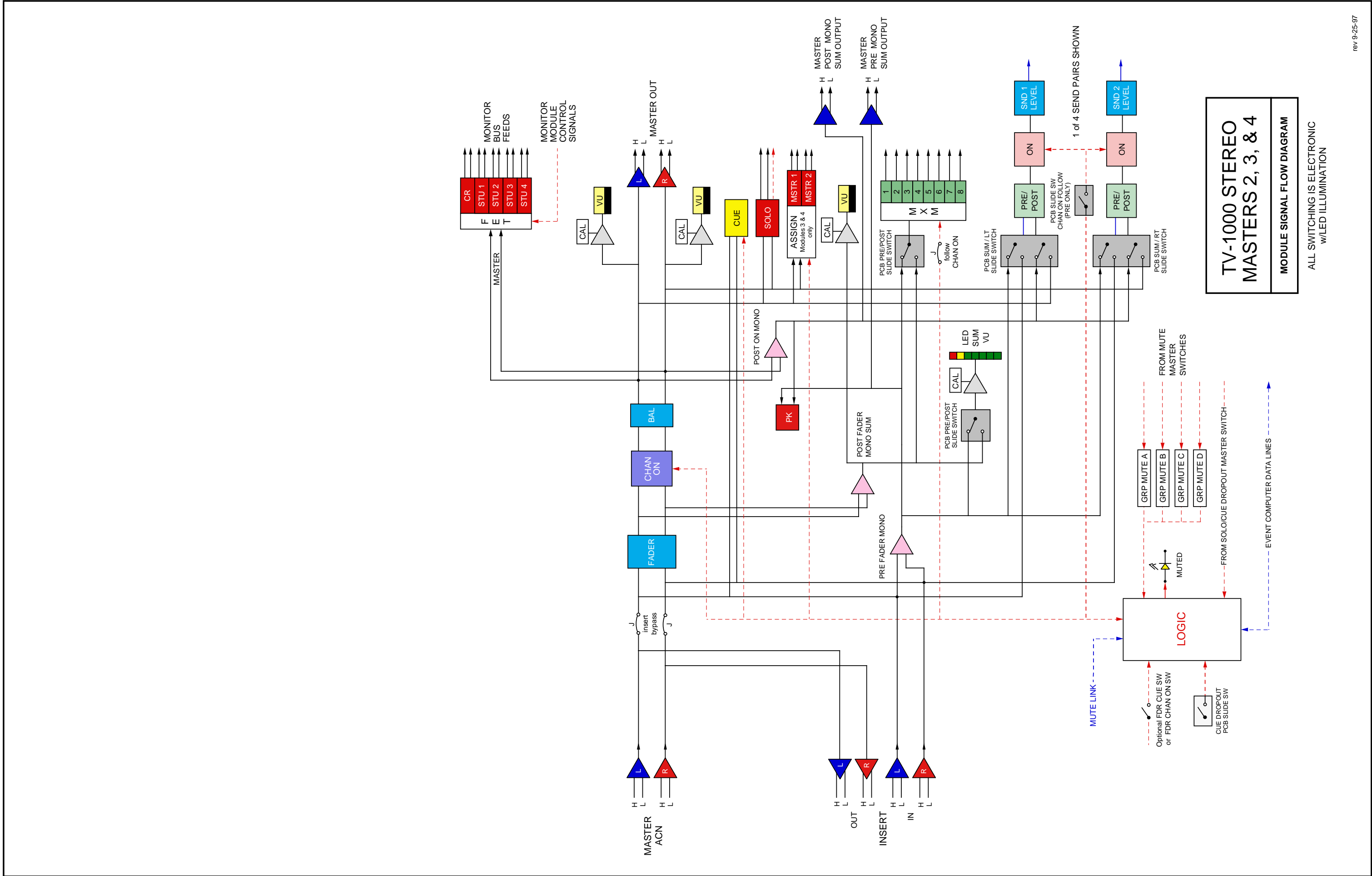


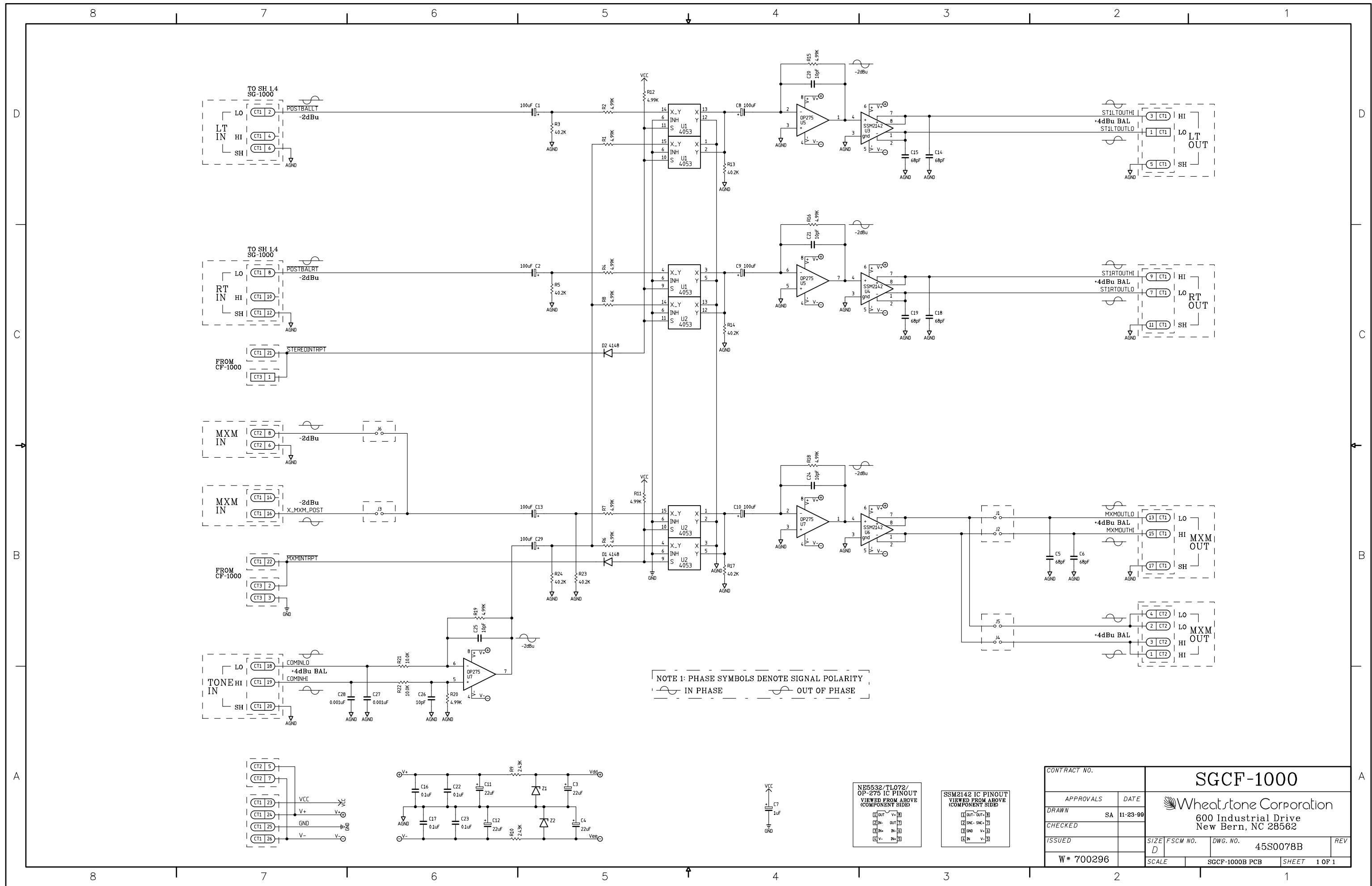


SG/SM-1000 Stereo Group/ Master 1 Output Module Confidence Feed/ Tone Interrupt Schematic - Sheet 1 of 1

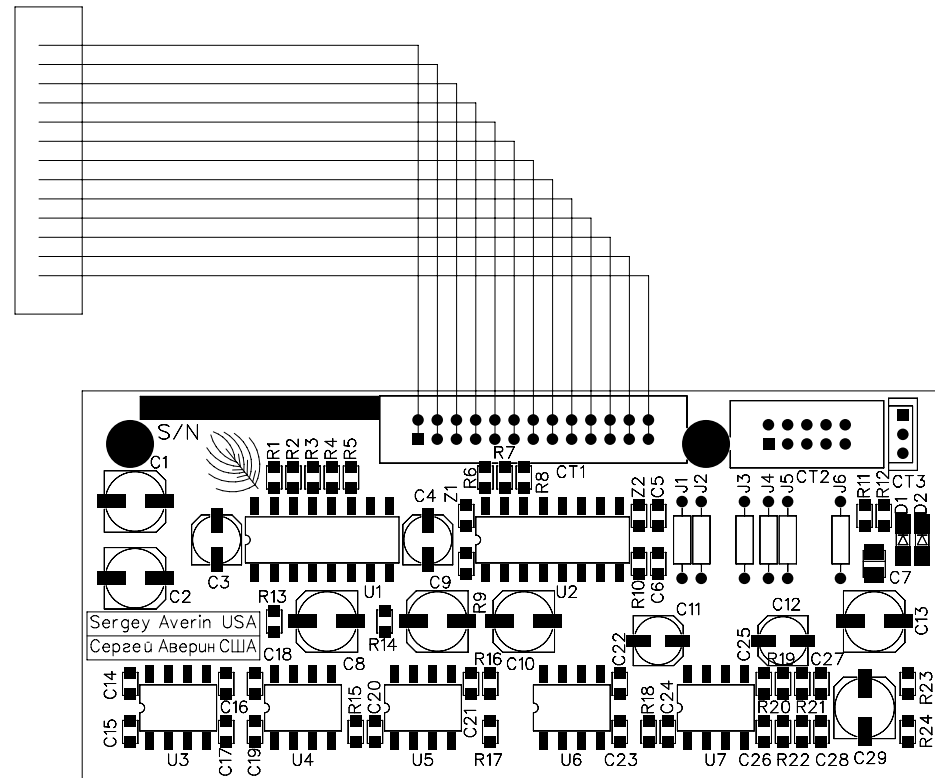


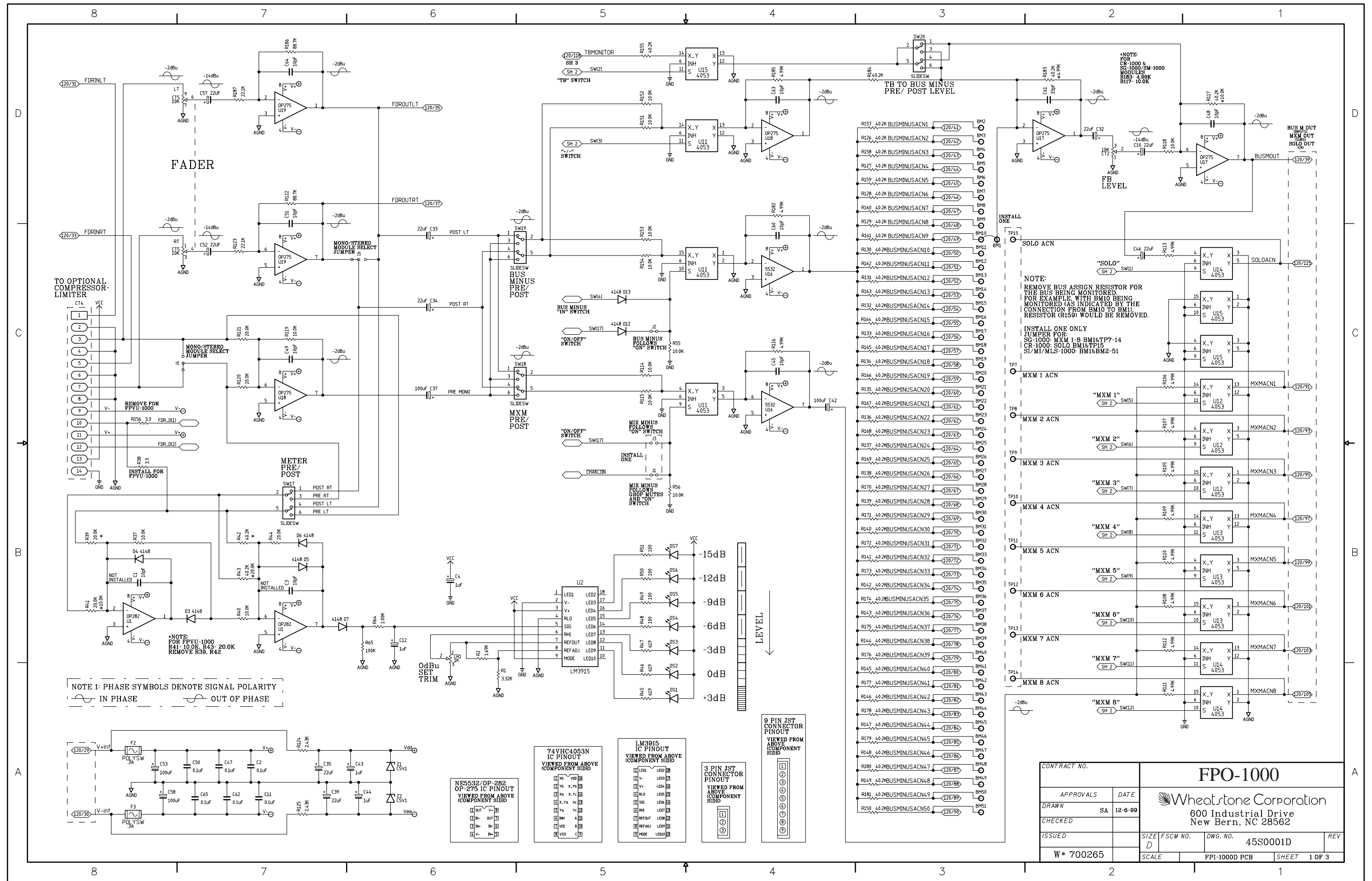




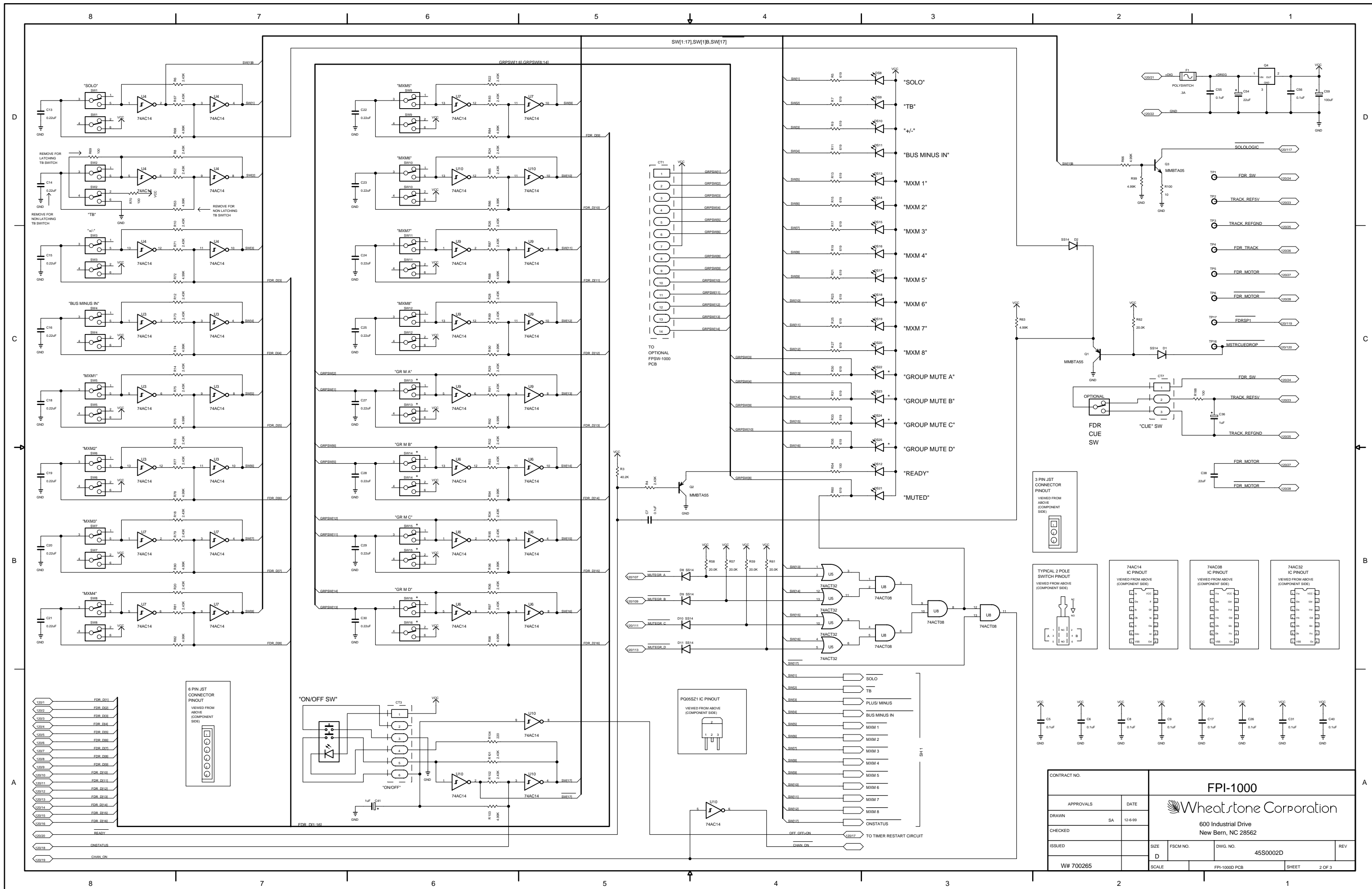


SG/SM-1000 Stereo Group/ Master 1 Output Module Confidence Feed/ Tone Interrupt Schematic - Sheet 1 of 1





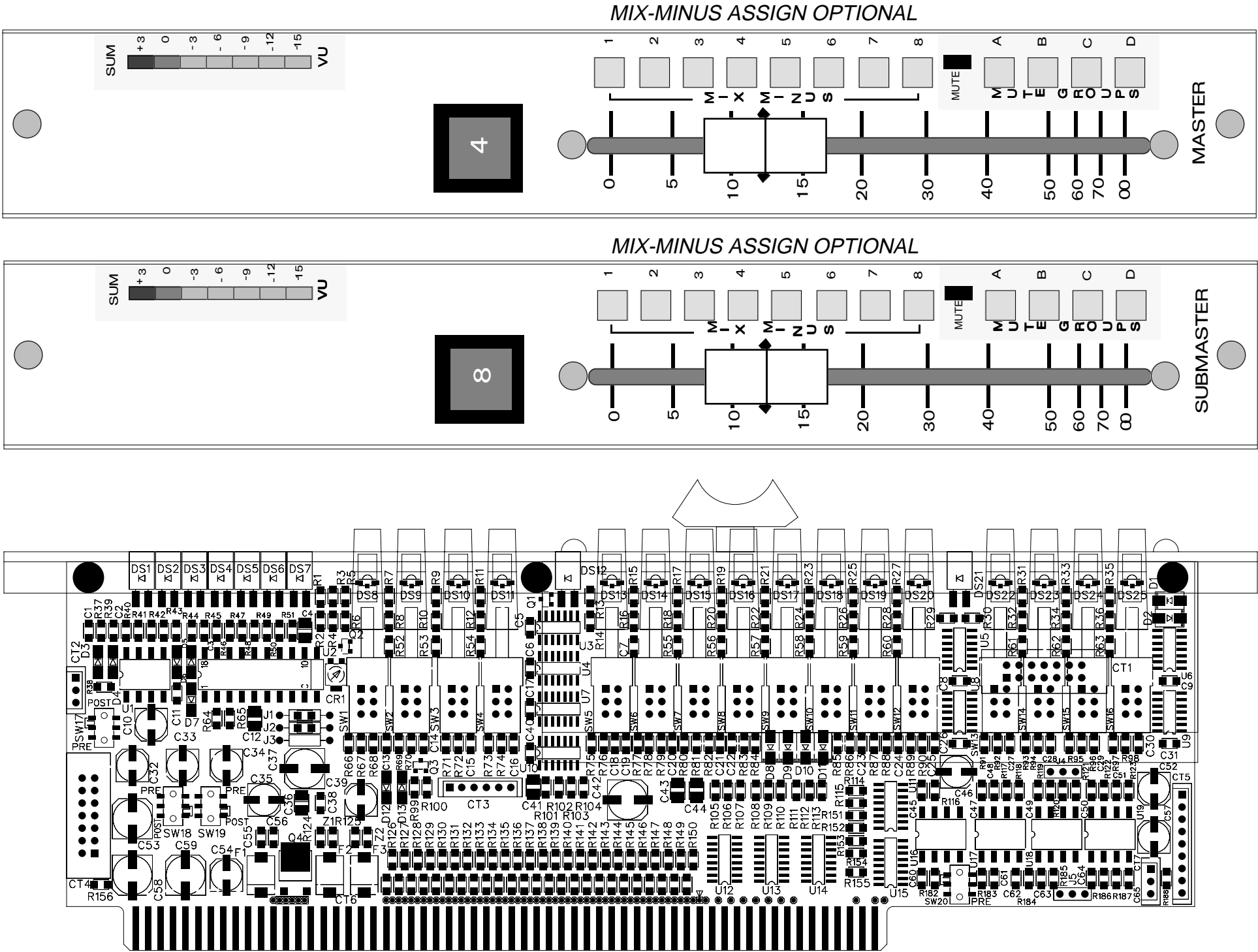
FPO-1000 Fader Panel Output Module Schematic - Sheet 1 of 3



FPI-1000 Fader Panel Input Module Schematic - Sheet 2 of 3



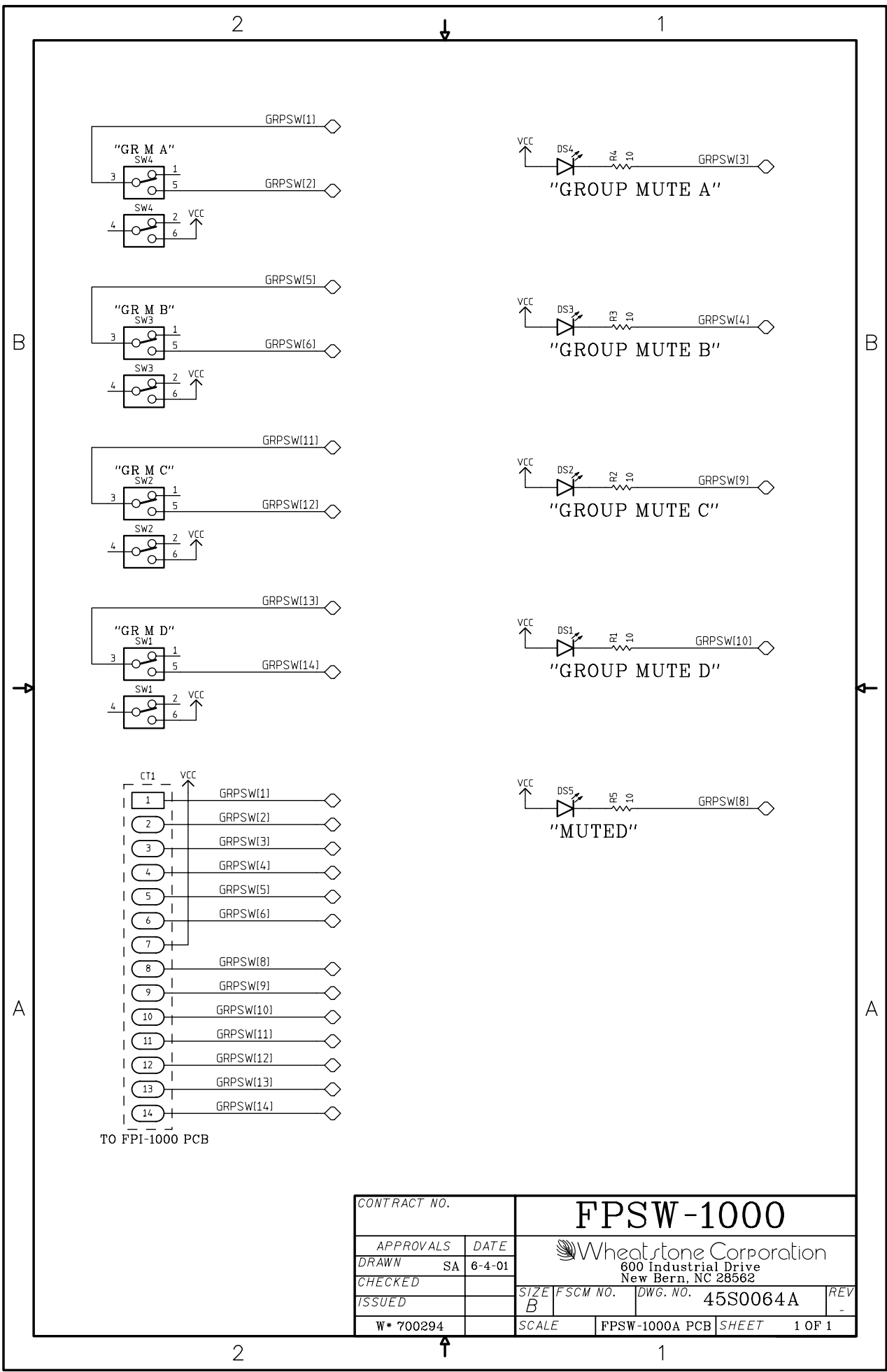





FPO-1000 Fader Panel Output Module Main Card Load Sheet

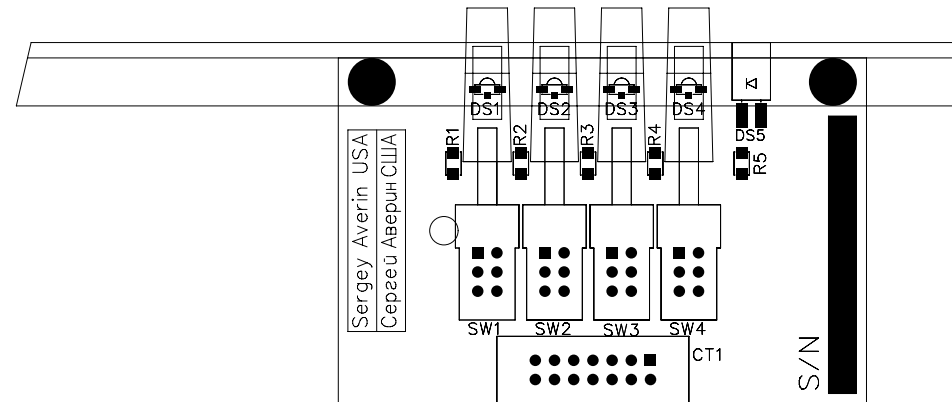
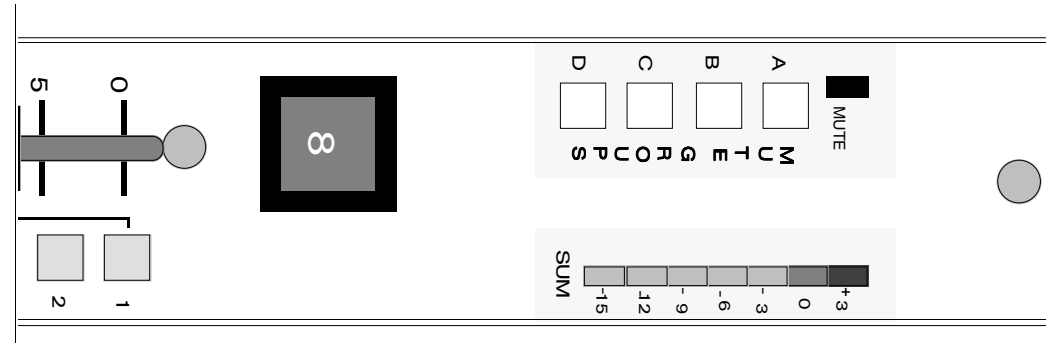
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AGND

↓  
AGND



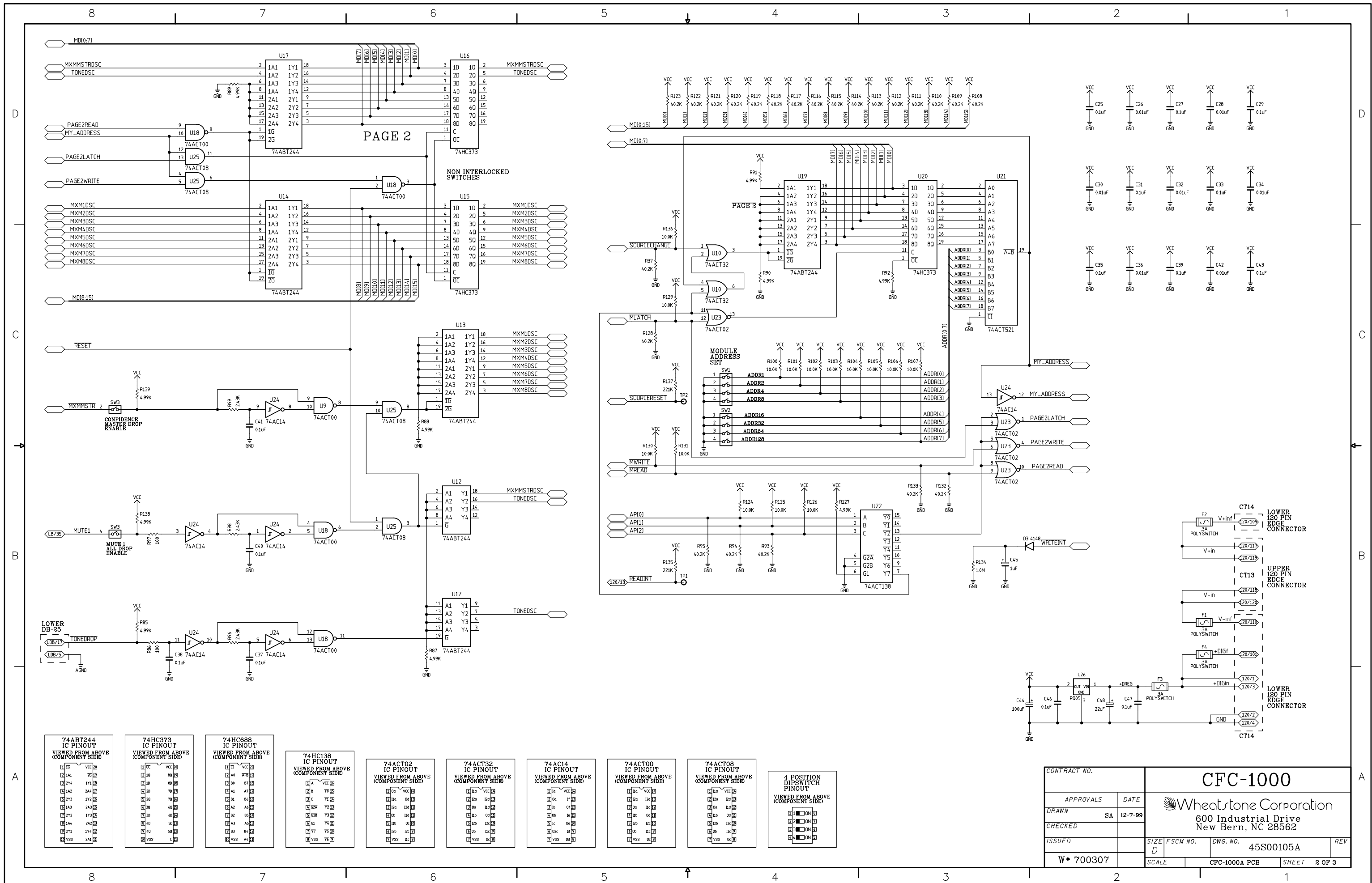
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DRAWN SA	6-4-01				
CHECKED					
ISSUED					
W# 700294		SIZE B	FSCM NO.	DWG. NO. 45S0064A	REV -
		SCALE	FPSW-1000A PCB	SHEET 1 OF 1	

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





CFC-1000 Confidence Feed Controller Module Schematic - Sheet 2 of 3

AGND

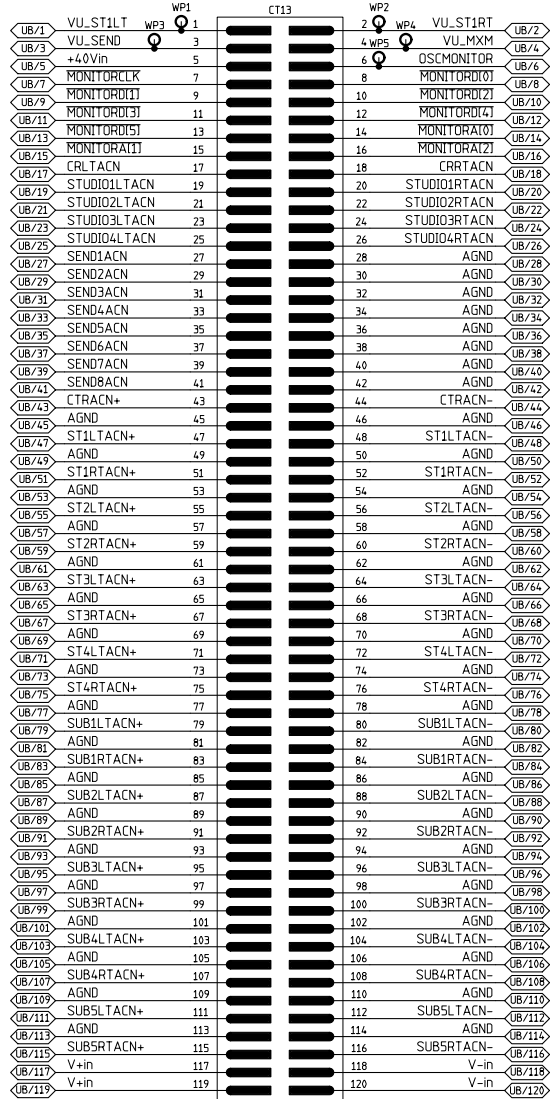
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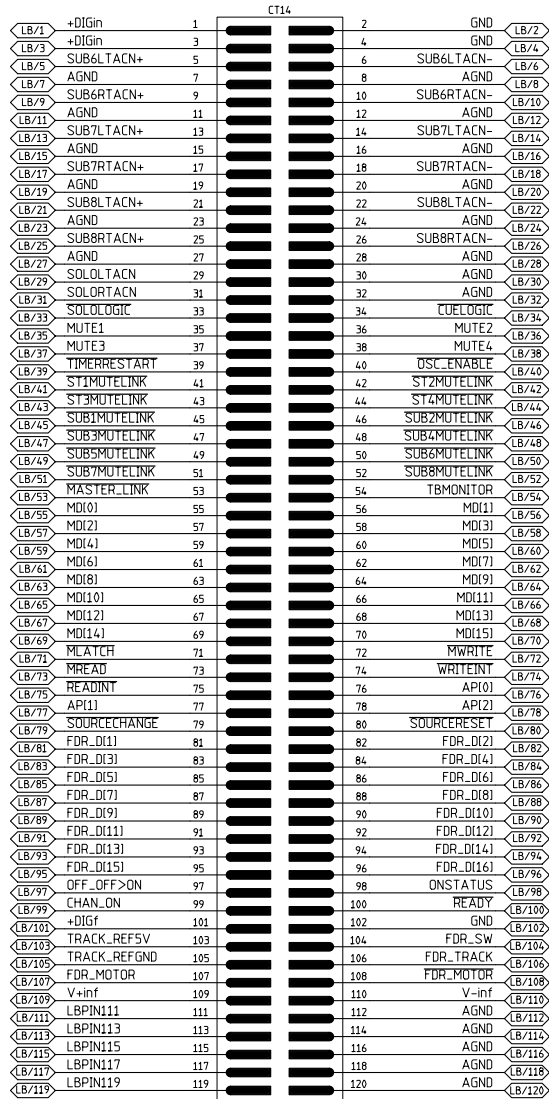
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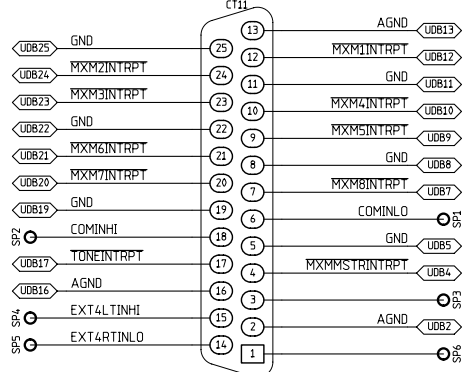
UPPER 120 PIN EDGE CONNECTOR



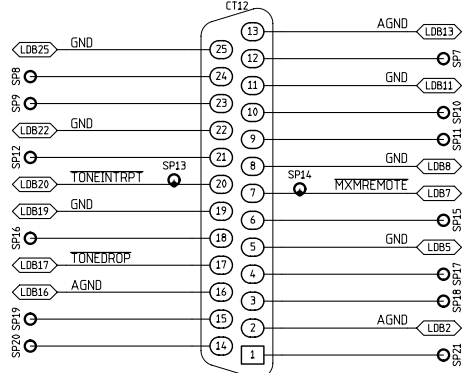
LOWER 120 PIN EDGE CONNECTOR



UPPER DB-25 CONNECTOR



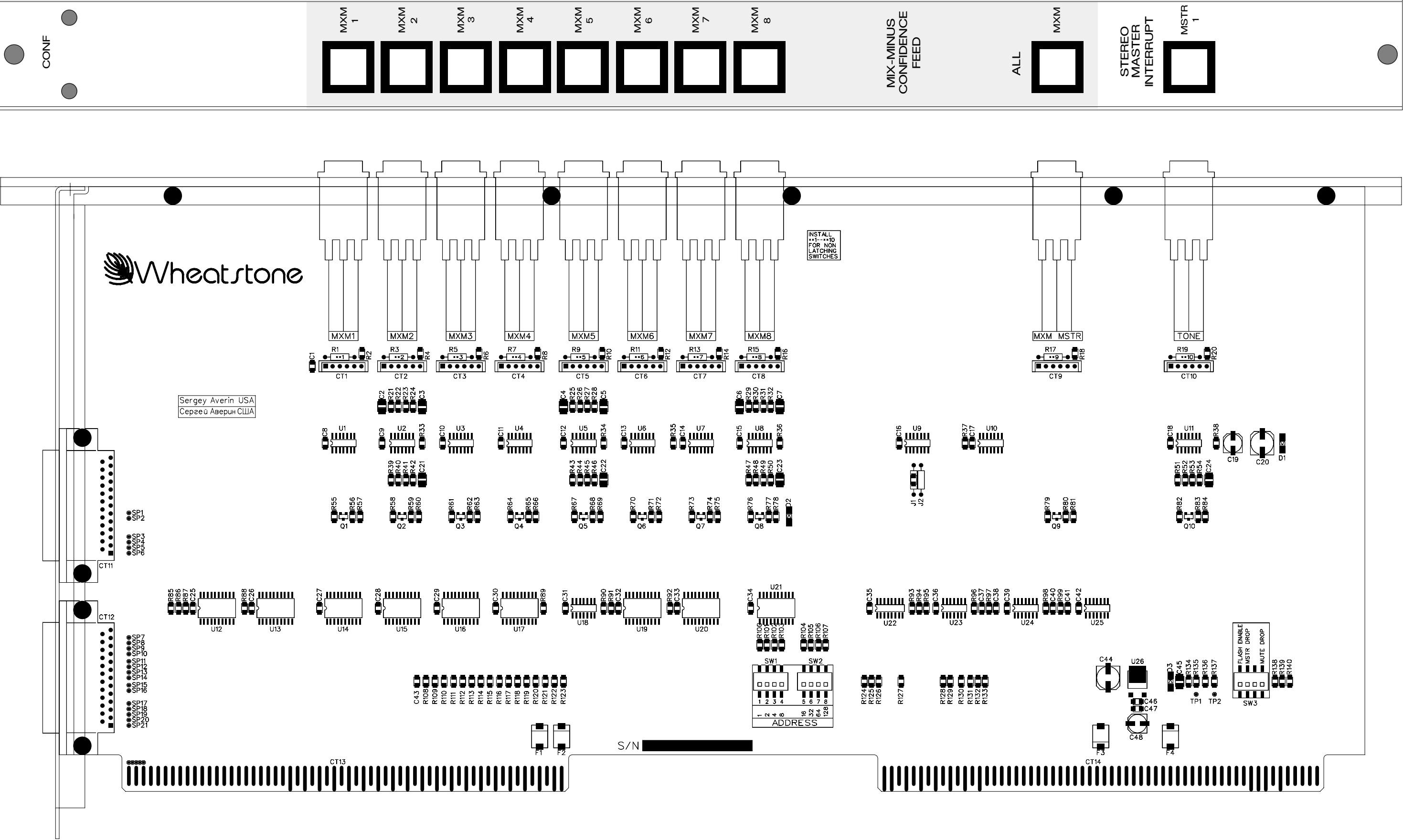
LOWER DB-25 CONNECTOR



EDGE CONNECTORS BUSS CHART

I/O CONNECTORS CHART

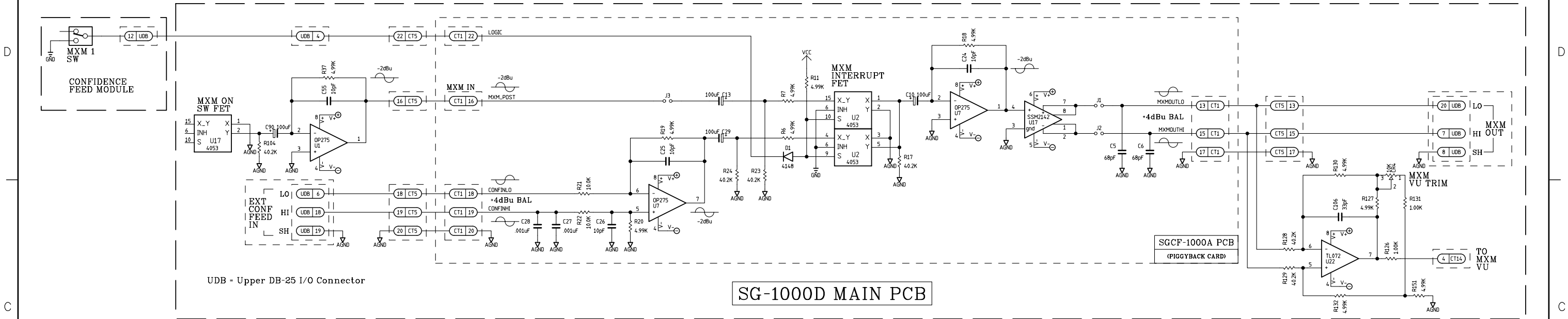
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W # 700307		SCALE	CFC-1000A PCB	SHEET 3 OF 3	



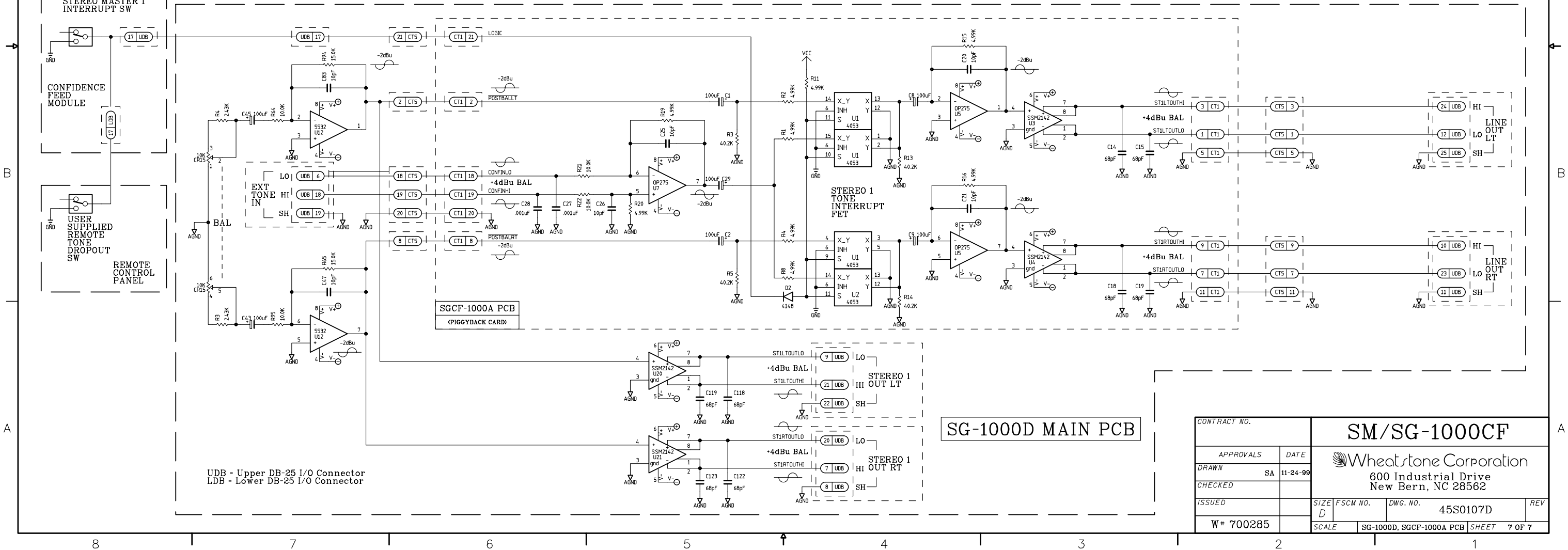
CFC-1000 Confidence Feed Controller Module Load Sheet




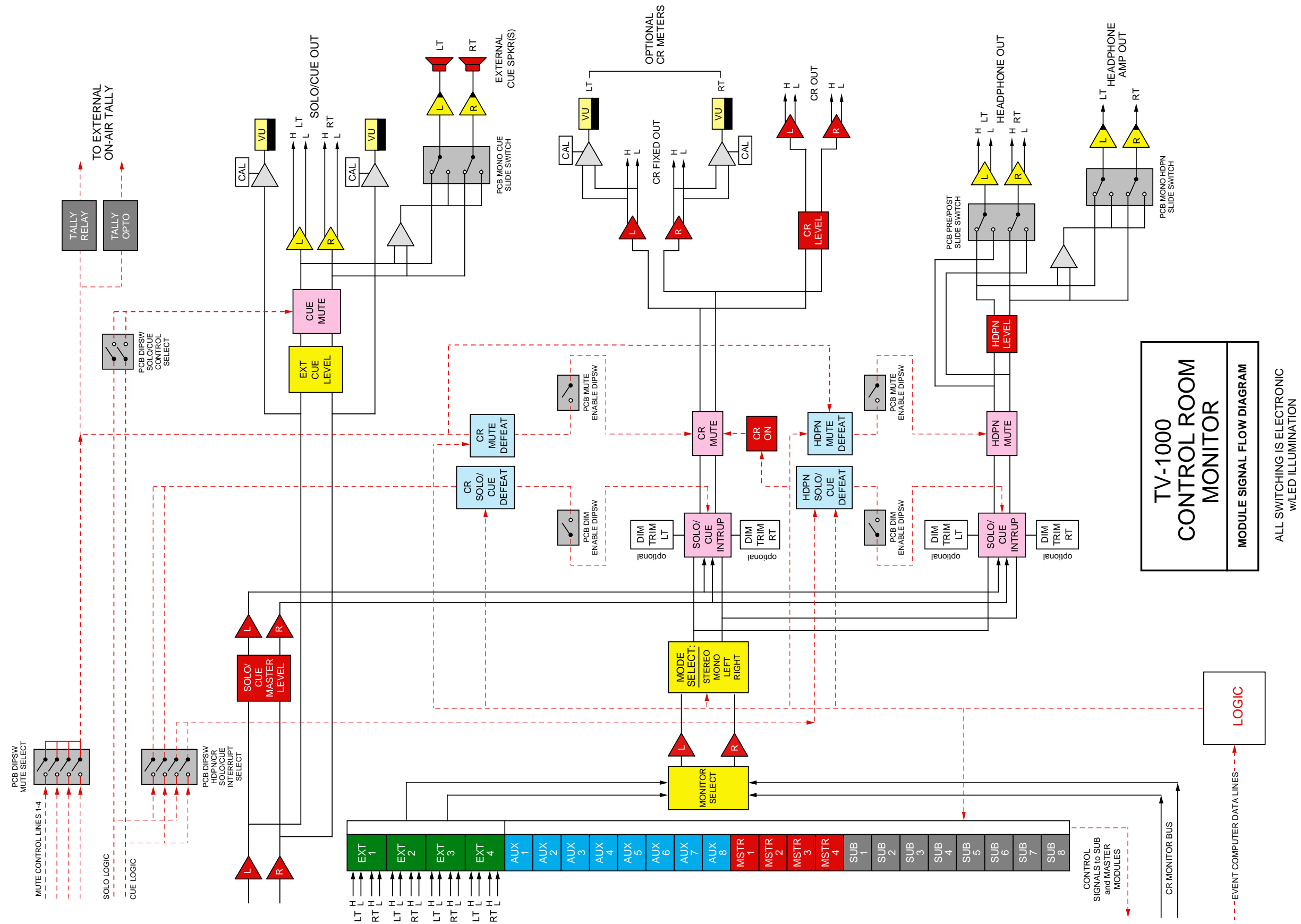
MIX-MINUS CONFIDENCE FEED - Composite Schematic - Typical Submaster Module (#1 of 8)



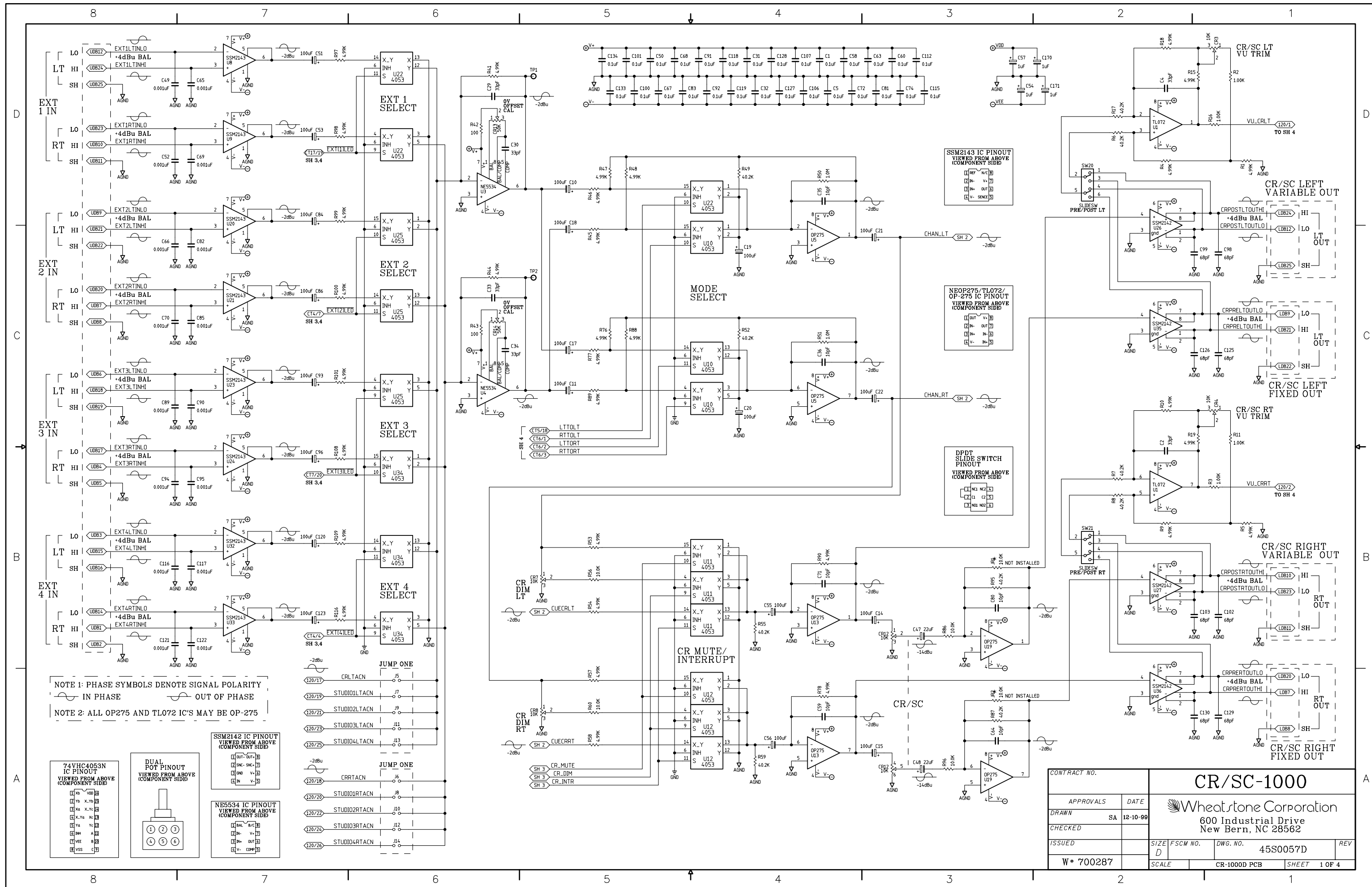
STEREO MASTER INTERRUPT - Composite Schematic - Master Module #1 Line Out



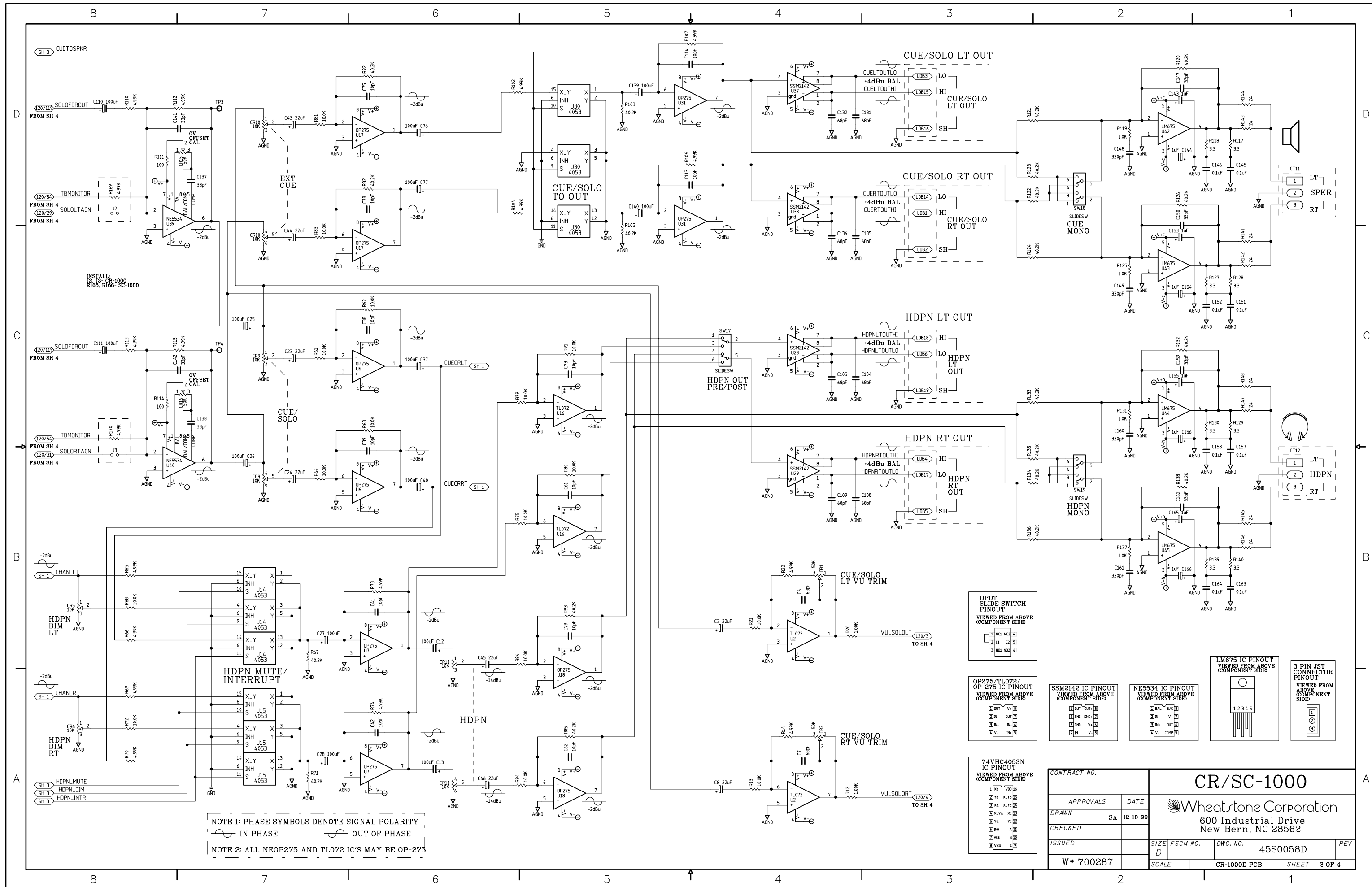
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APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 11-24-99			
CHECKED					
ISSUED					
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		SCALE	SG-1000D, SGCF-1000A PCB		SHEET 7 OF 7





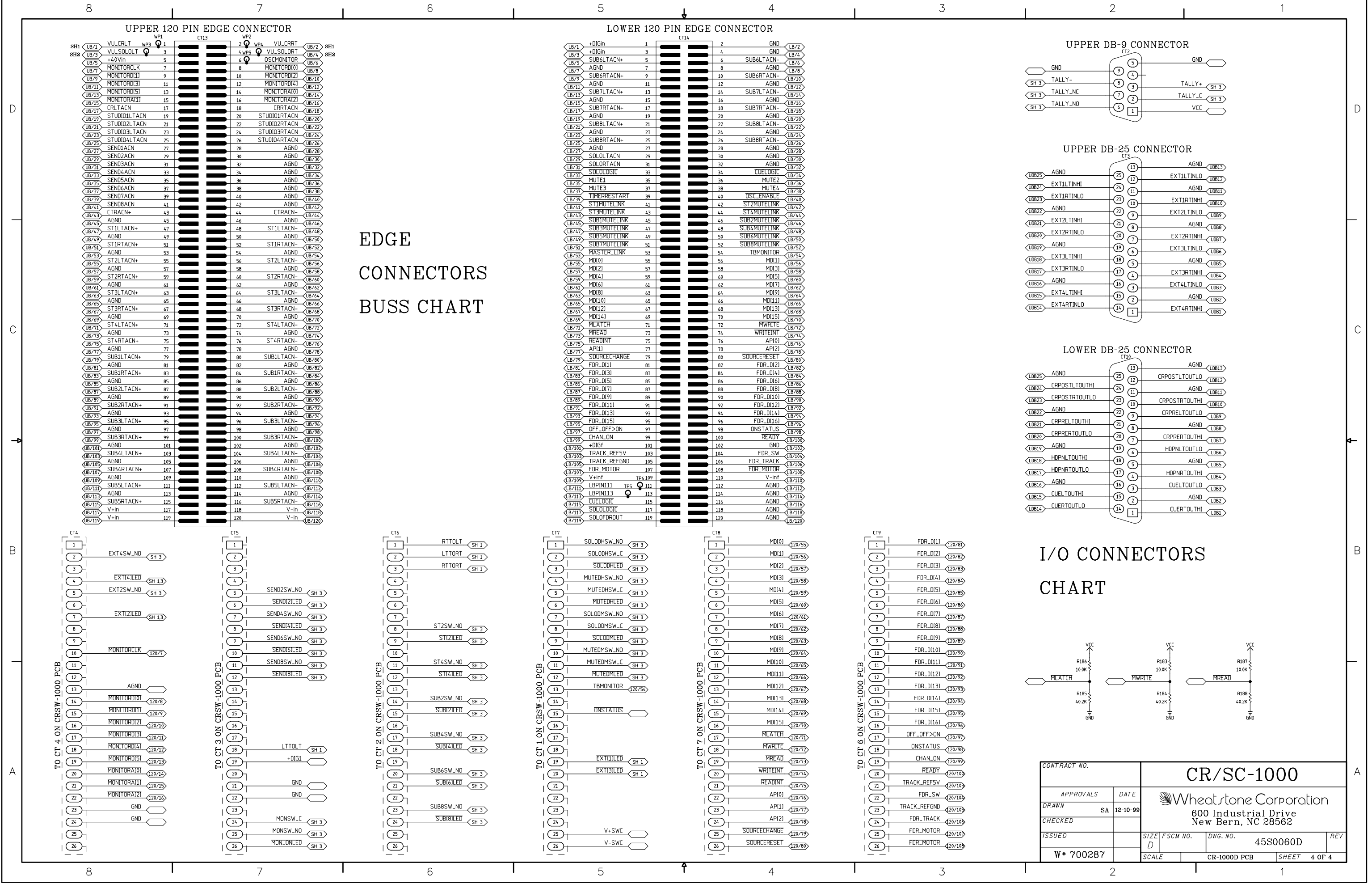


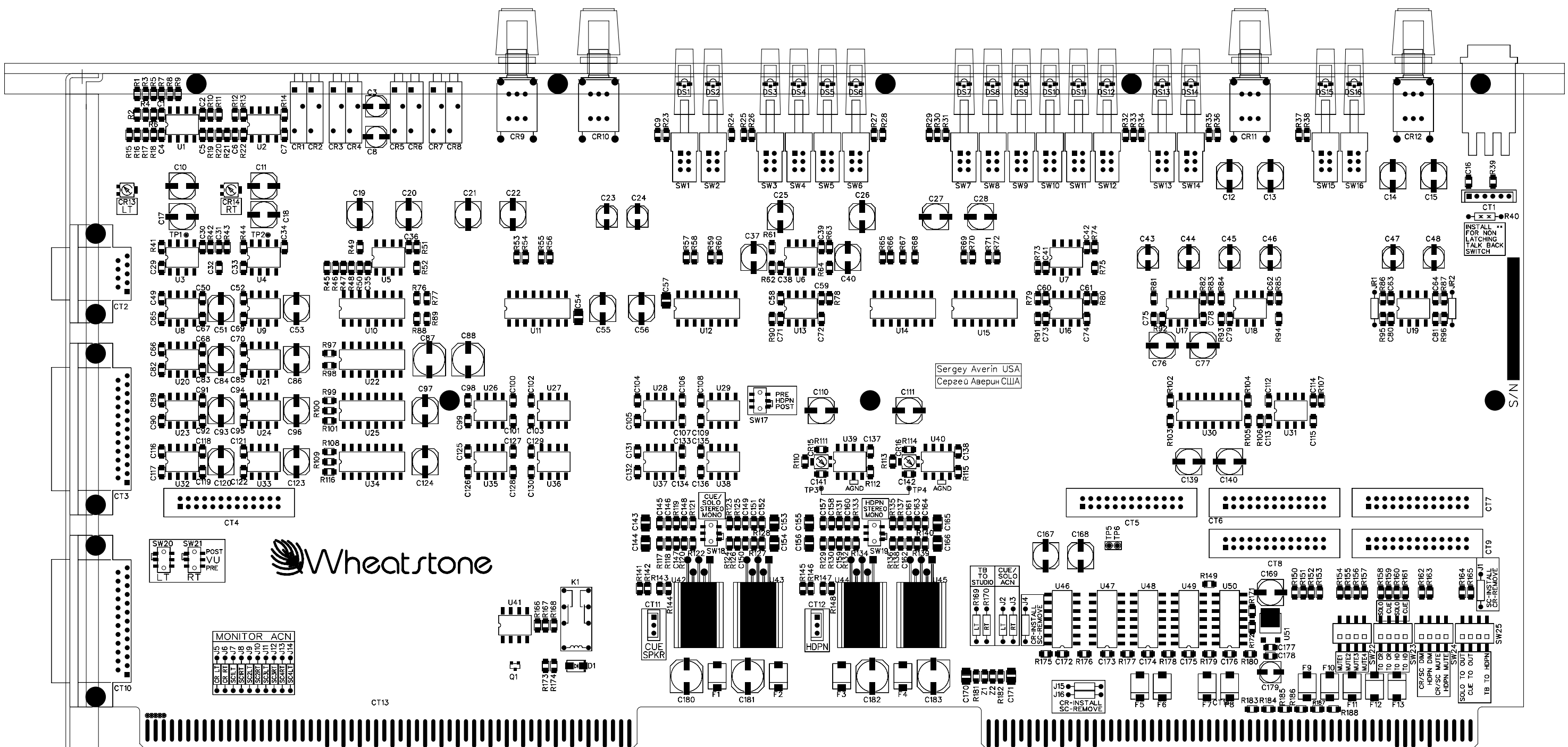
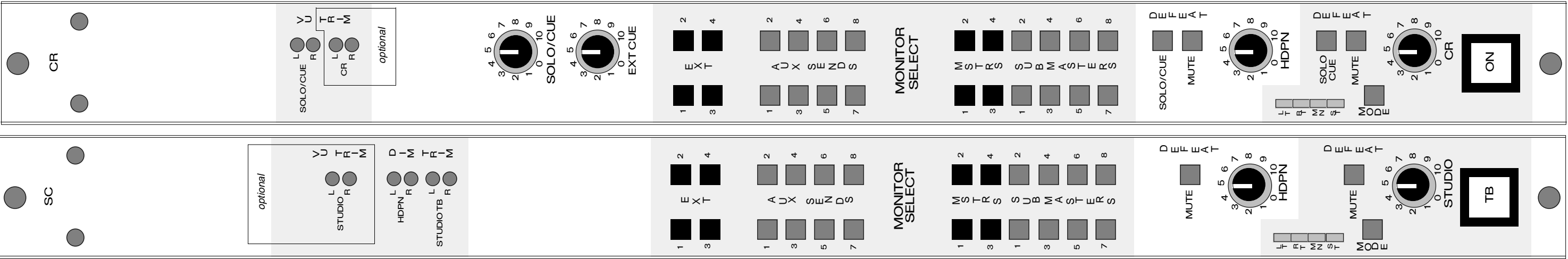
CR/SC-1000 Control Room/Studio Module Schematic - Sheet 1 of 8



CR/SC-1000 Control Room/Studio Module Schematic - Sheet 2 of 8

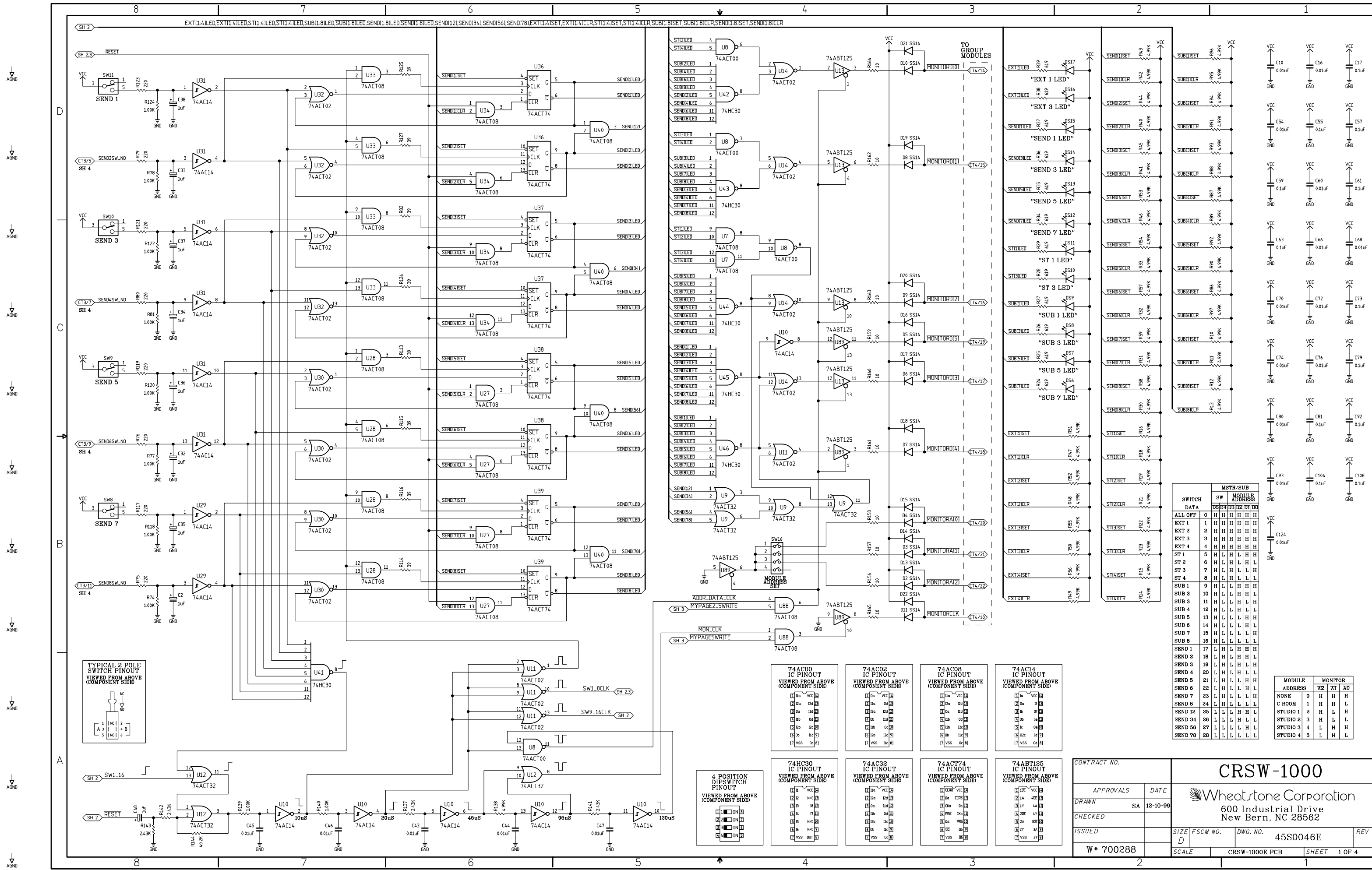


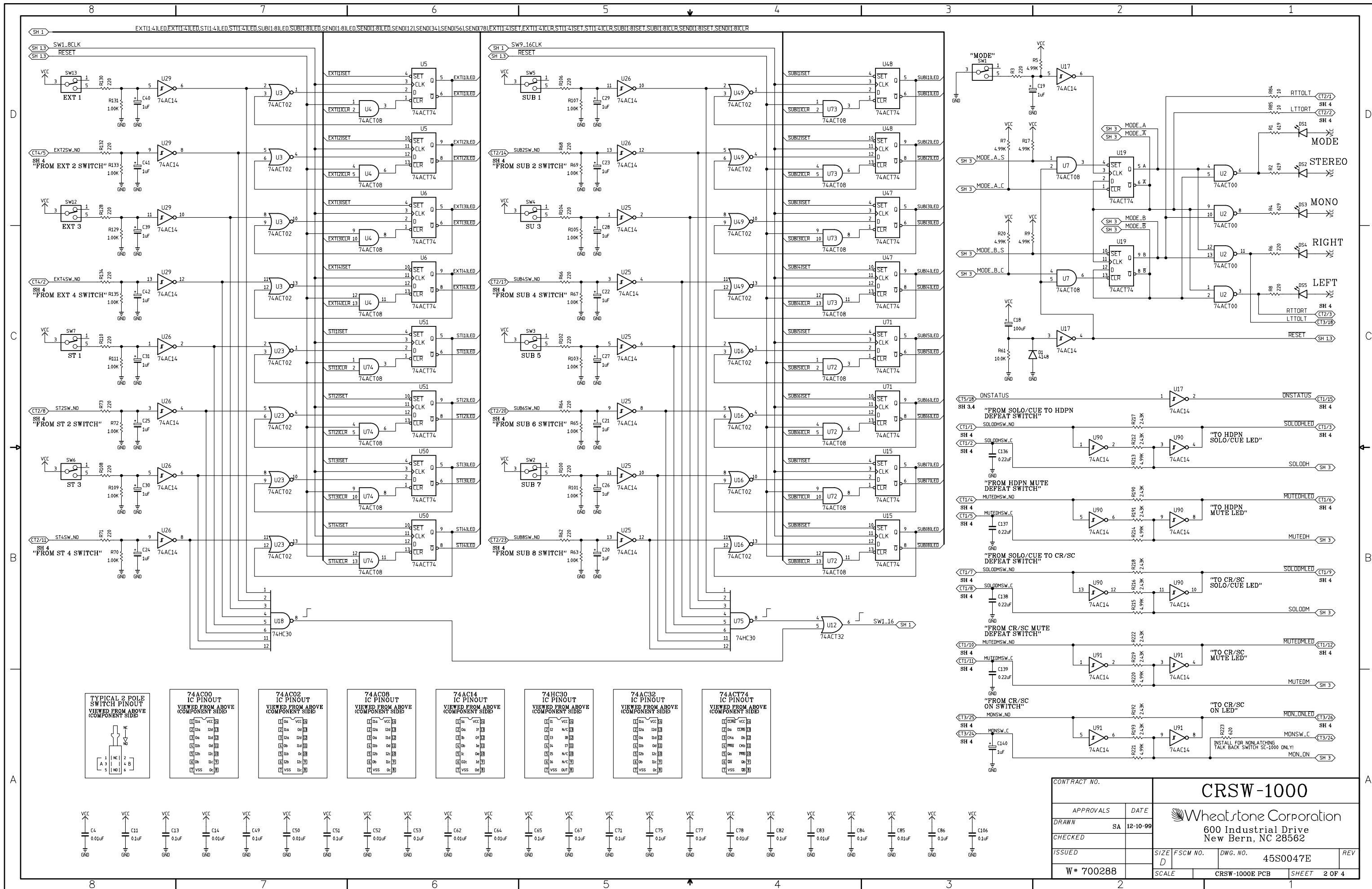




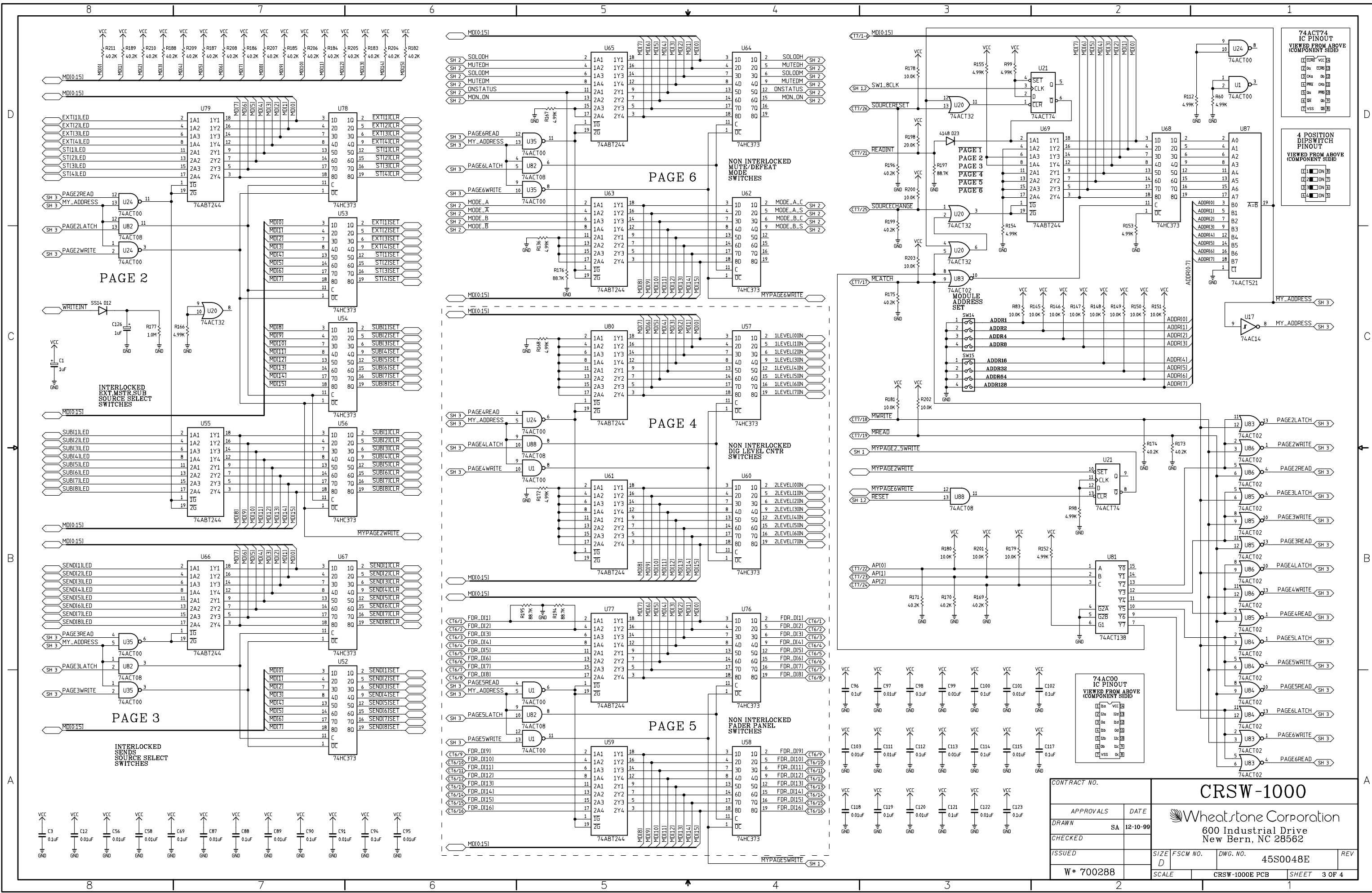
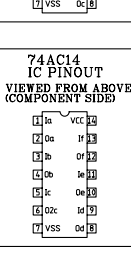
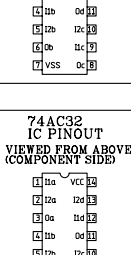
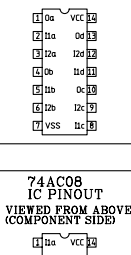
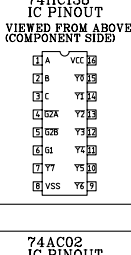
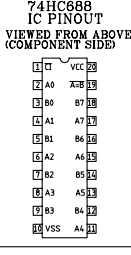
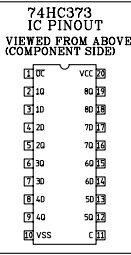
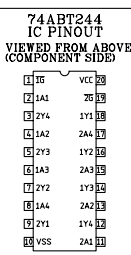
CR/SC-1000 Control Room/Studio Module Load Sheet





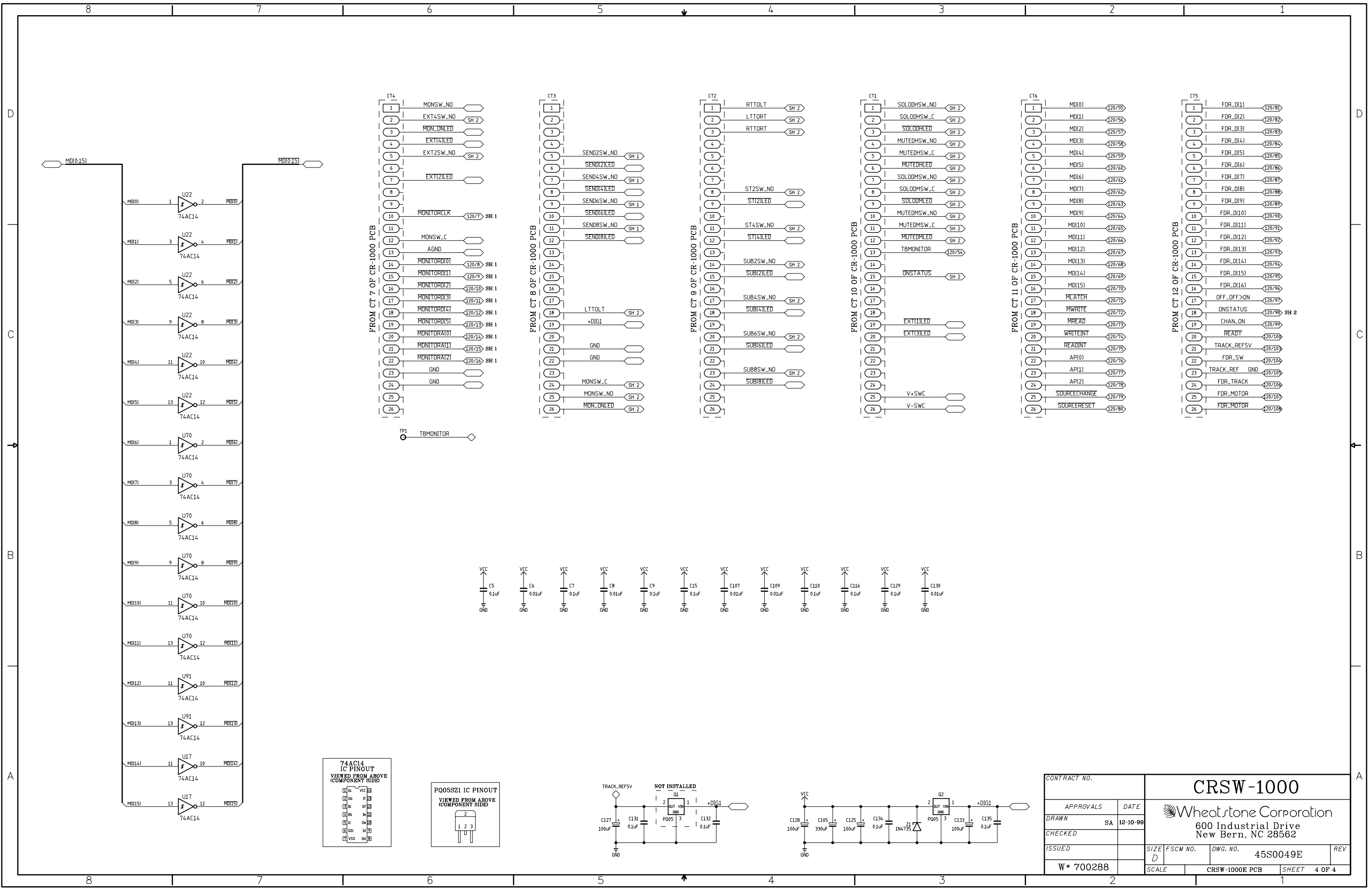


CR/SC-1000 Control Room/Studio Module Schematic - Sheet 6 of 8



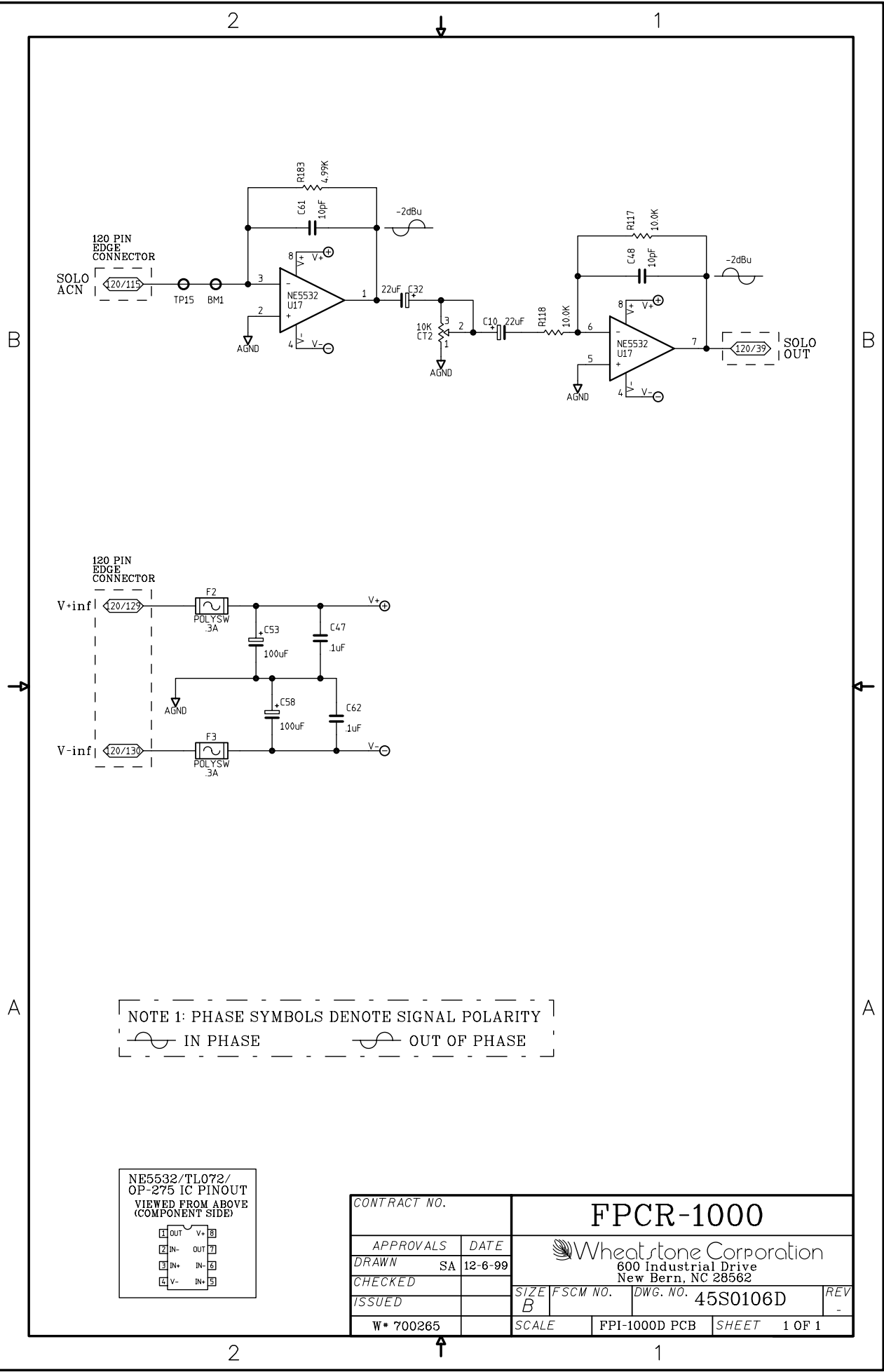
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DRAWN	SA 12-10-99		
CHECKED			
ISSUED		SIZE D	FSCM NO.
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		DWG. NO.	45S0048E
		REV	3 OF 4

CR/SC-1000 Control Room/Studio Module Schematic - Sheet 7 of 8

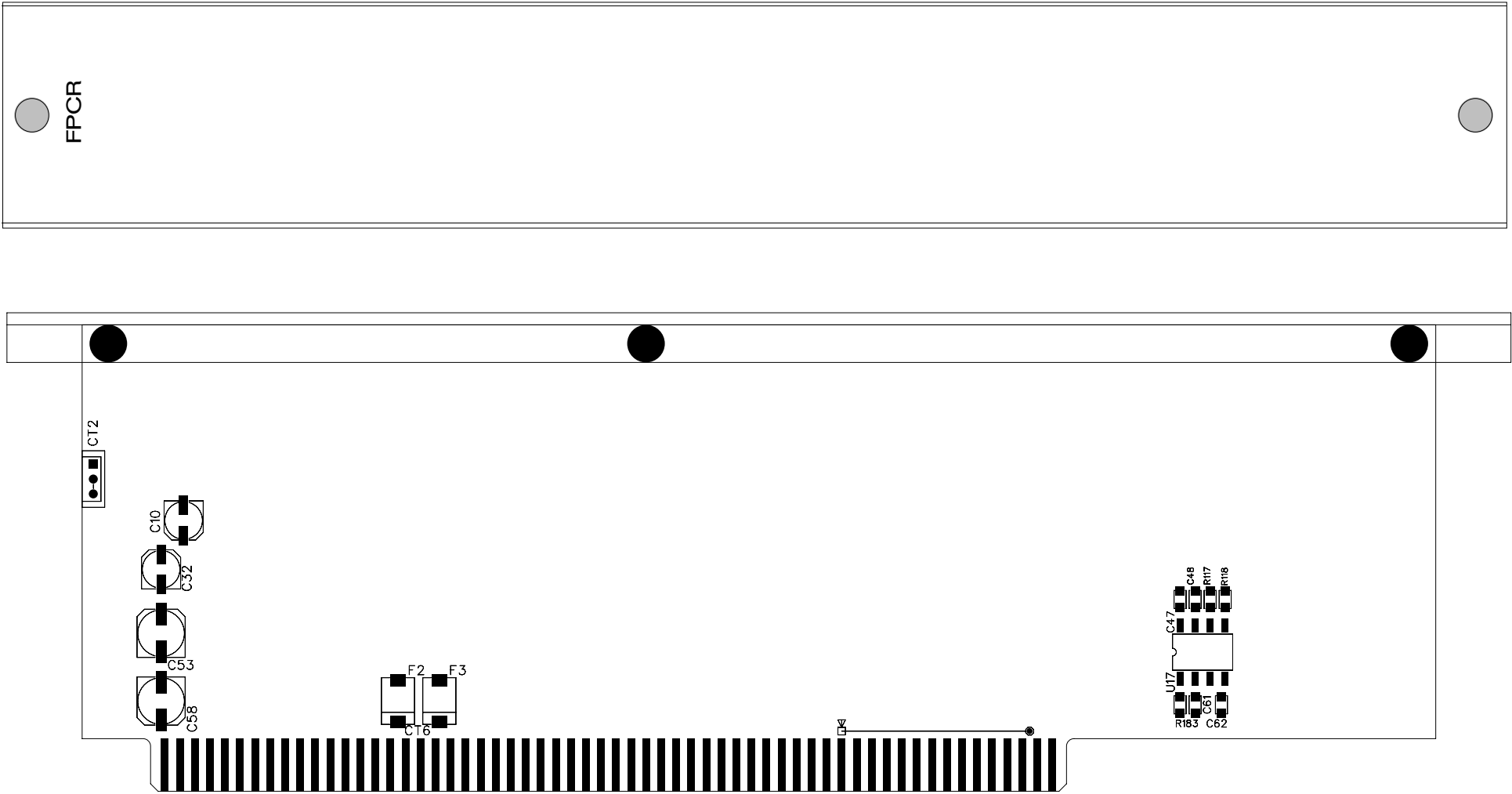


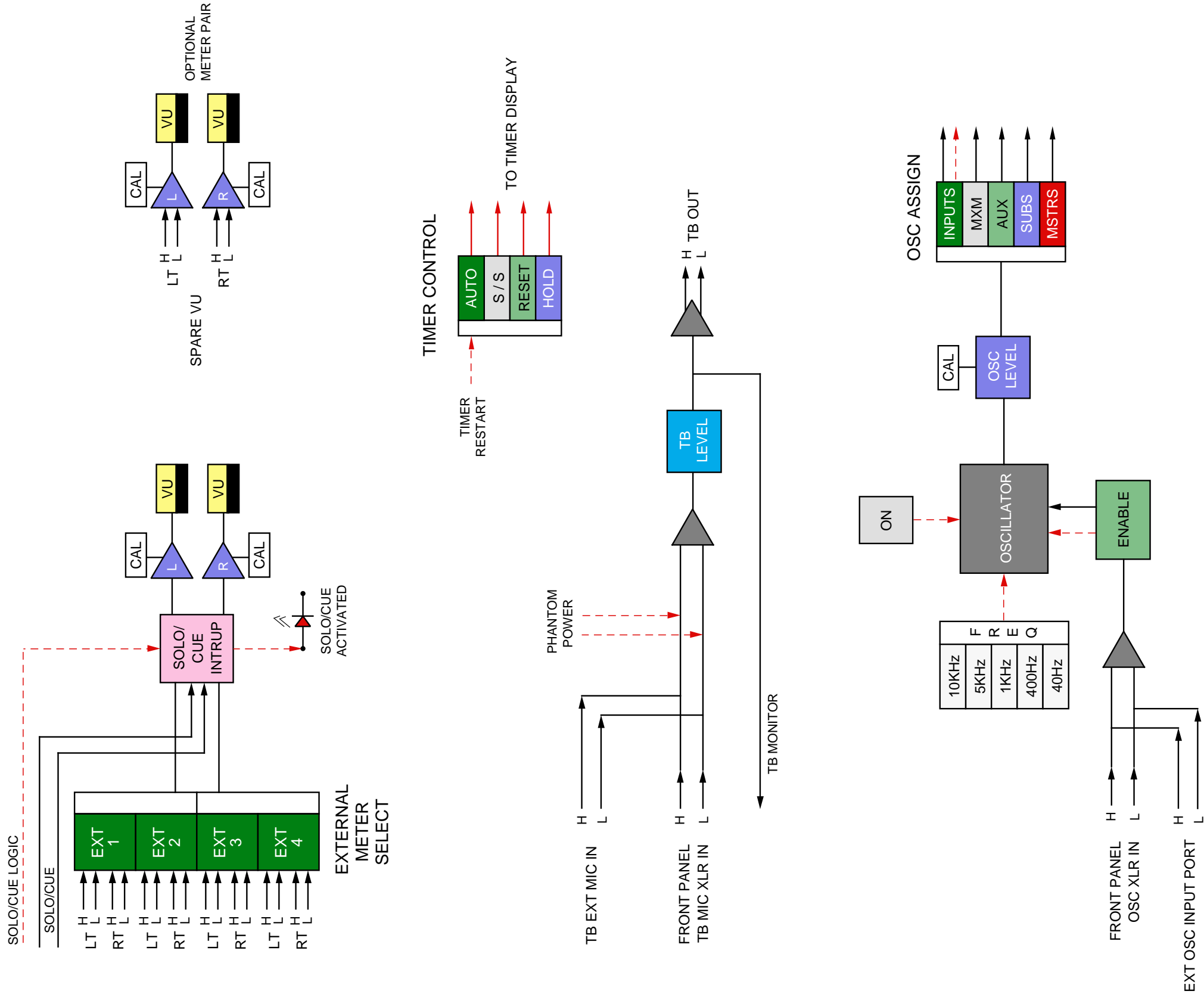
CR/SC-1000 Control Room/Studio Module Schematic - Sheet 8 of 8



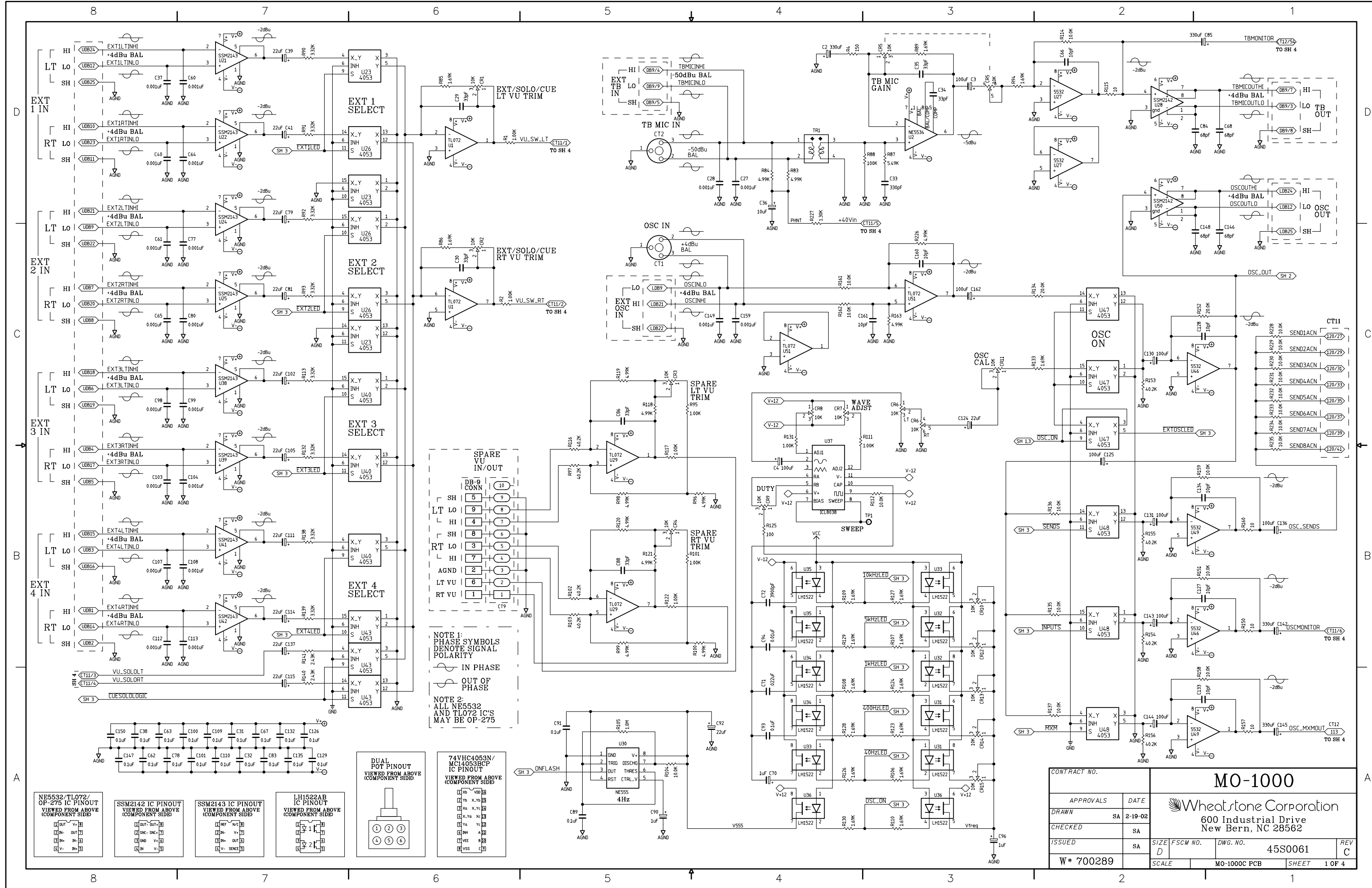


FPCR-1000 Fader Panel Control Room  
Module Schematic - Sheet 1 of 1

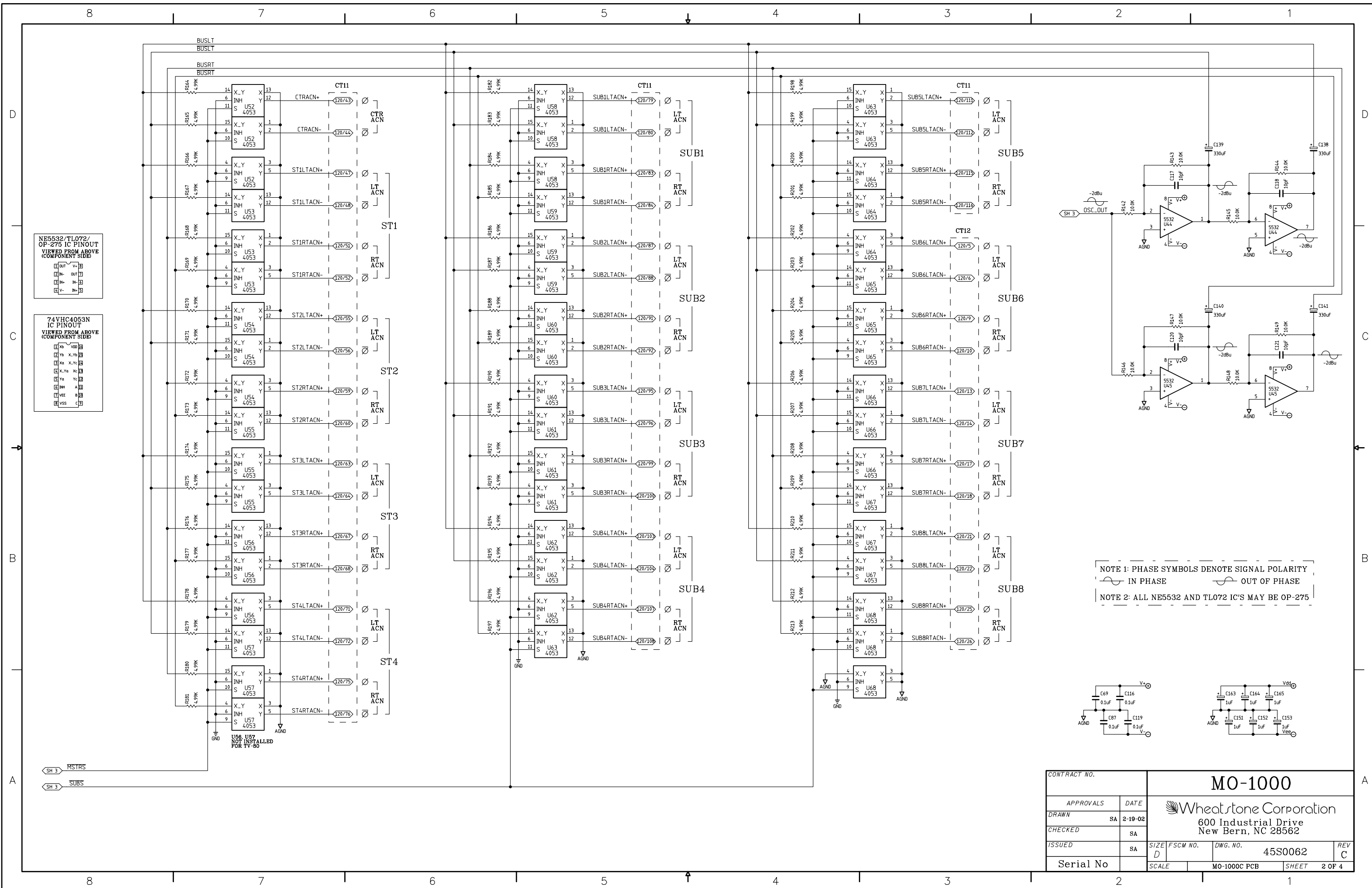




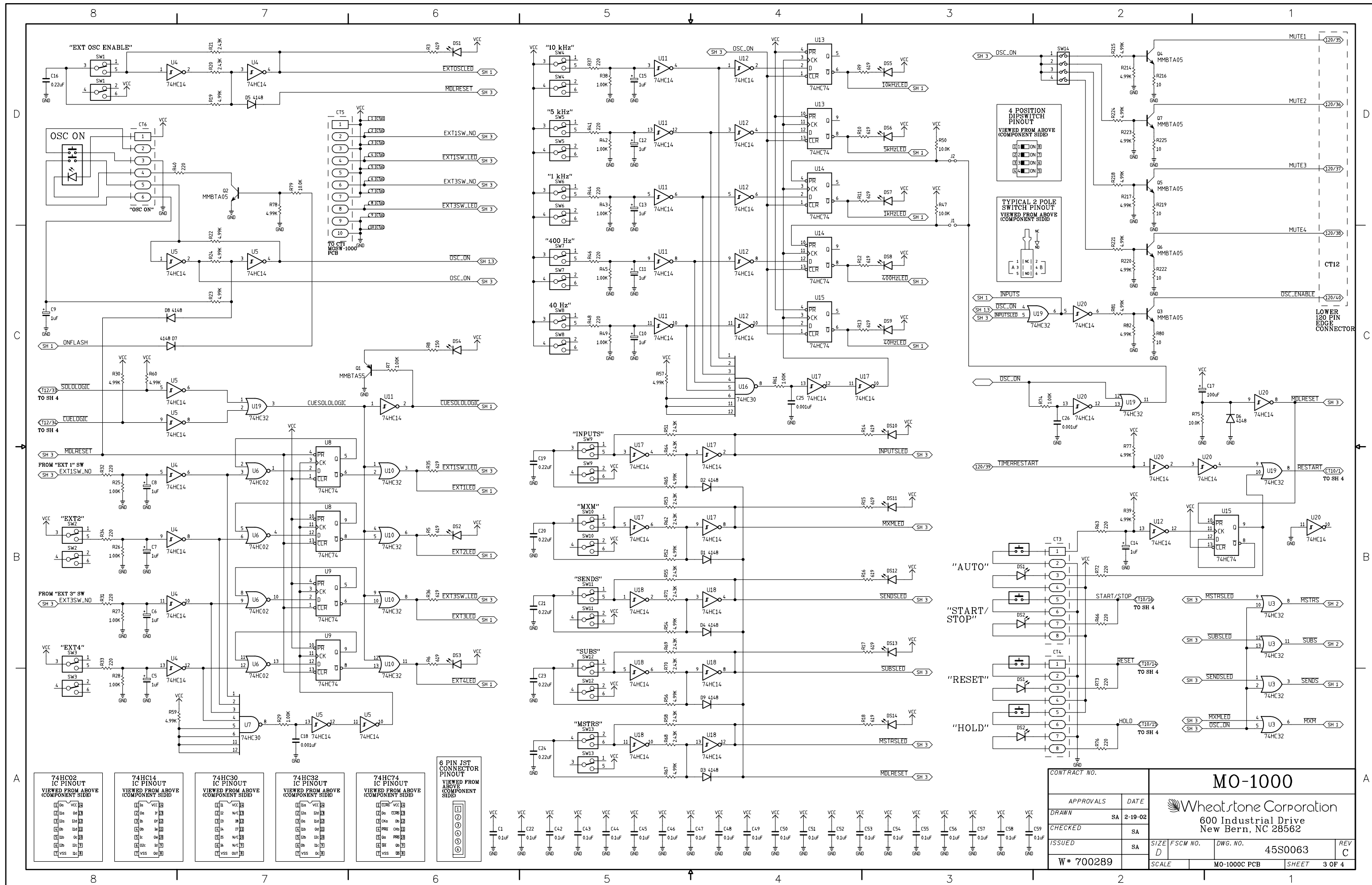




VO-1000 Meter Output Module Schematic - Sheet 1 of 4



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



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

8

7

6

5

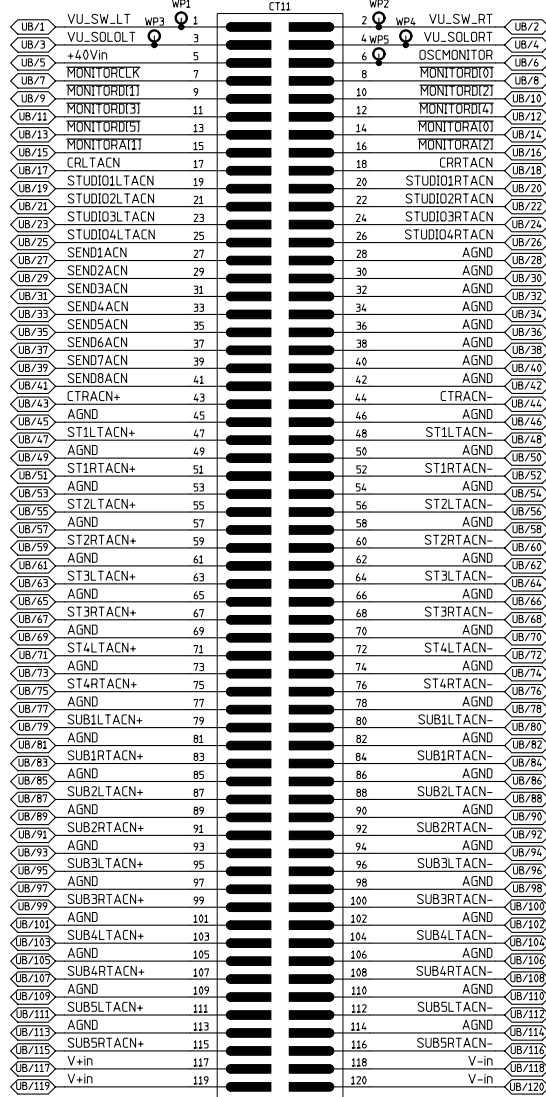
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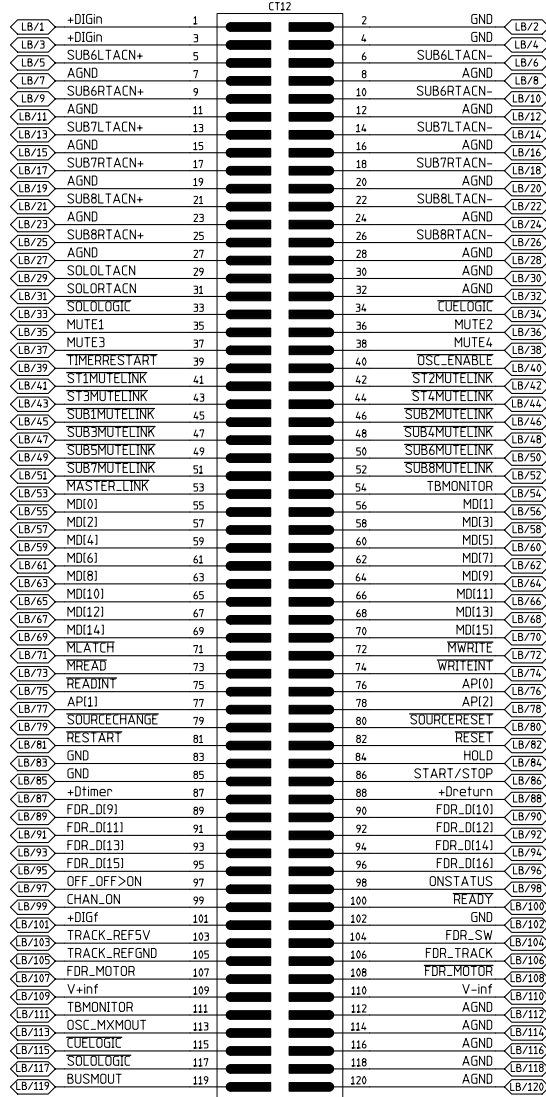
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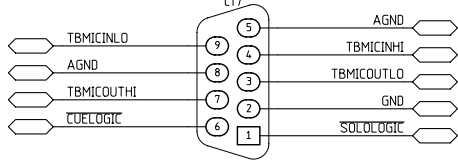
UPPER 120 PIN EDGE CONNECTOR



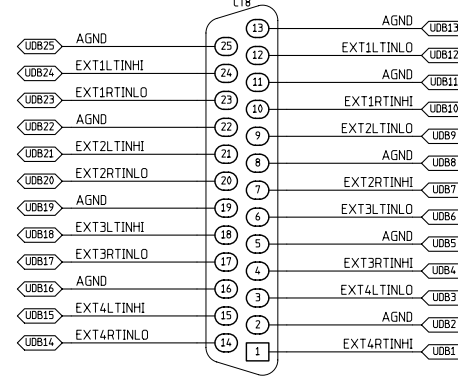
LOWER 120 PIN EDGE CONNECTOR



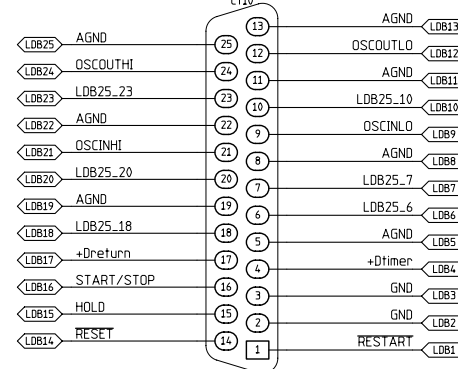
UPPER DB-9 CONNECTOR



UPPER DB-25 CONNECTOR

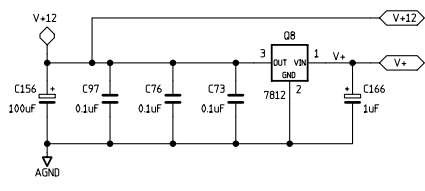
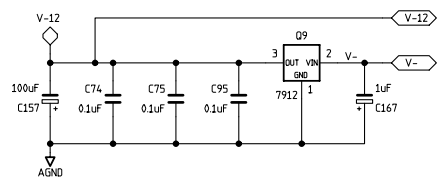
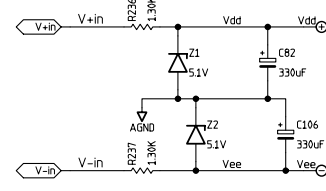
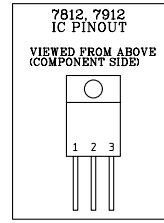
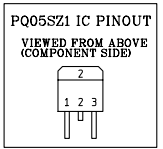
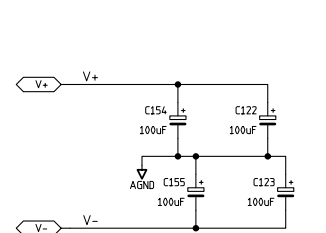
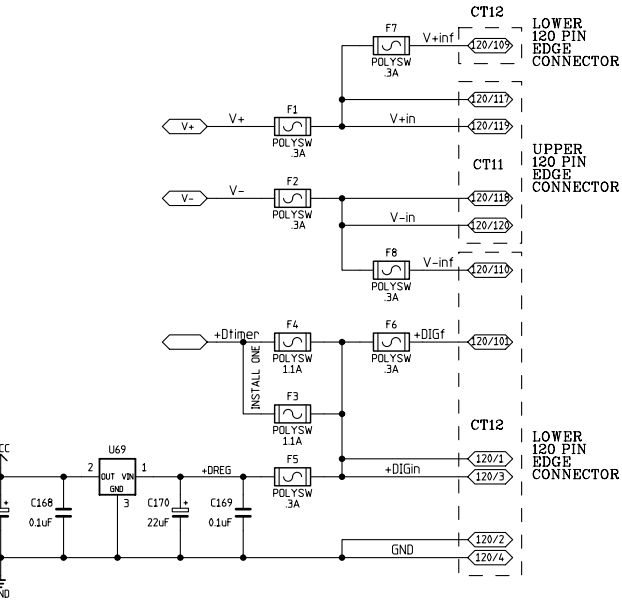


LOWER DB-25 CONNECTOR

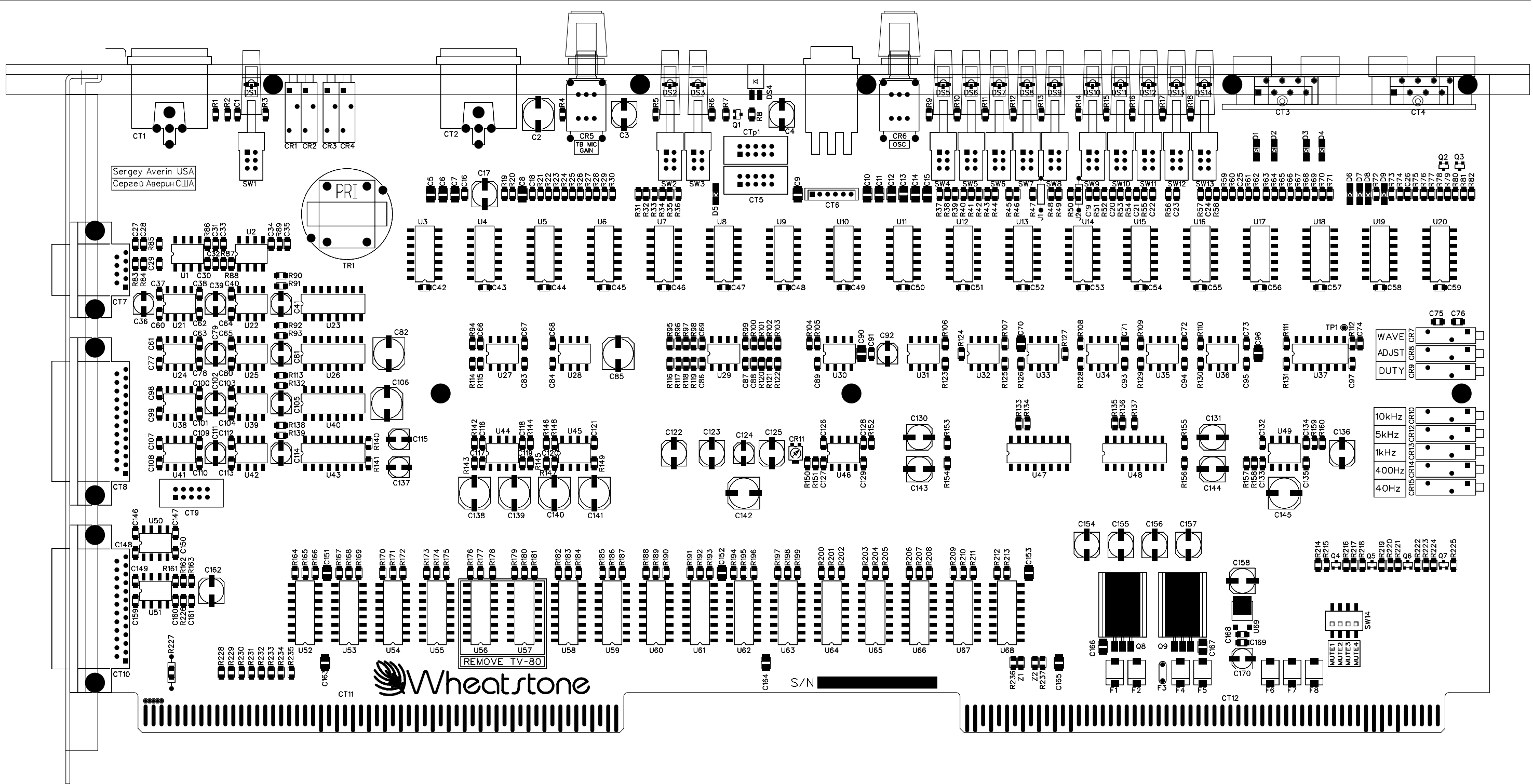
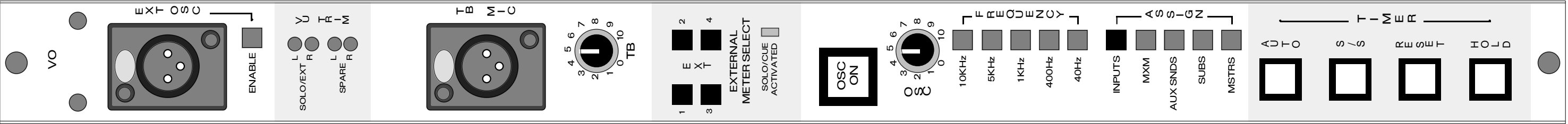


EDGE CONNECTORS BUSS CHART

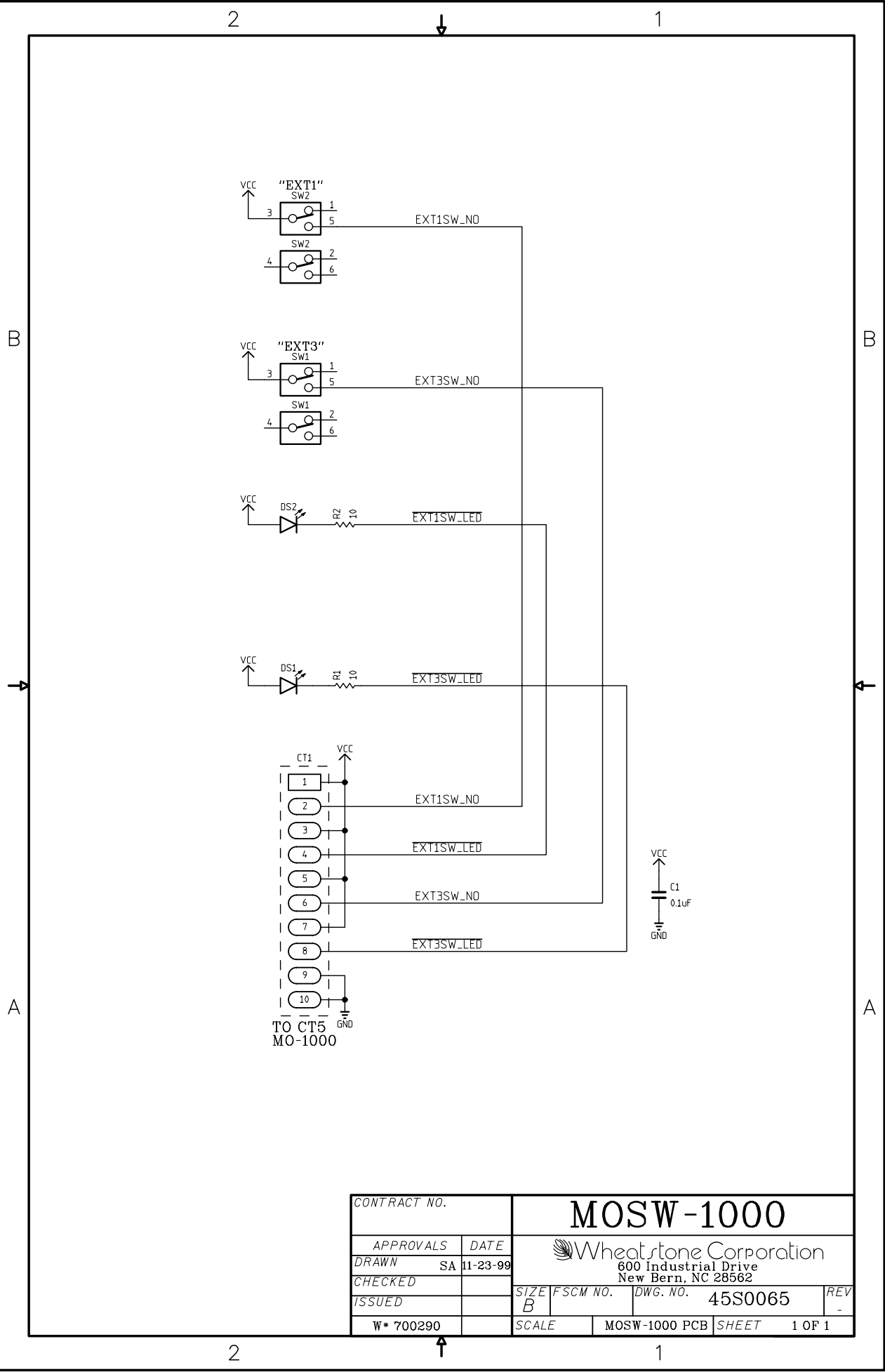
I/O CONNECTORS CHART




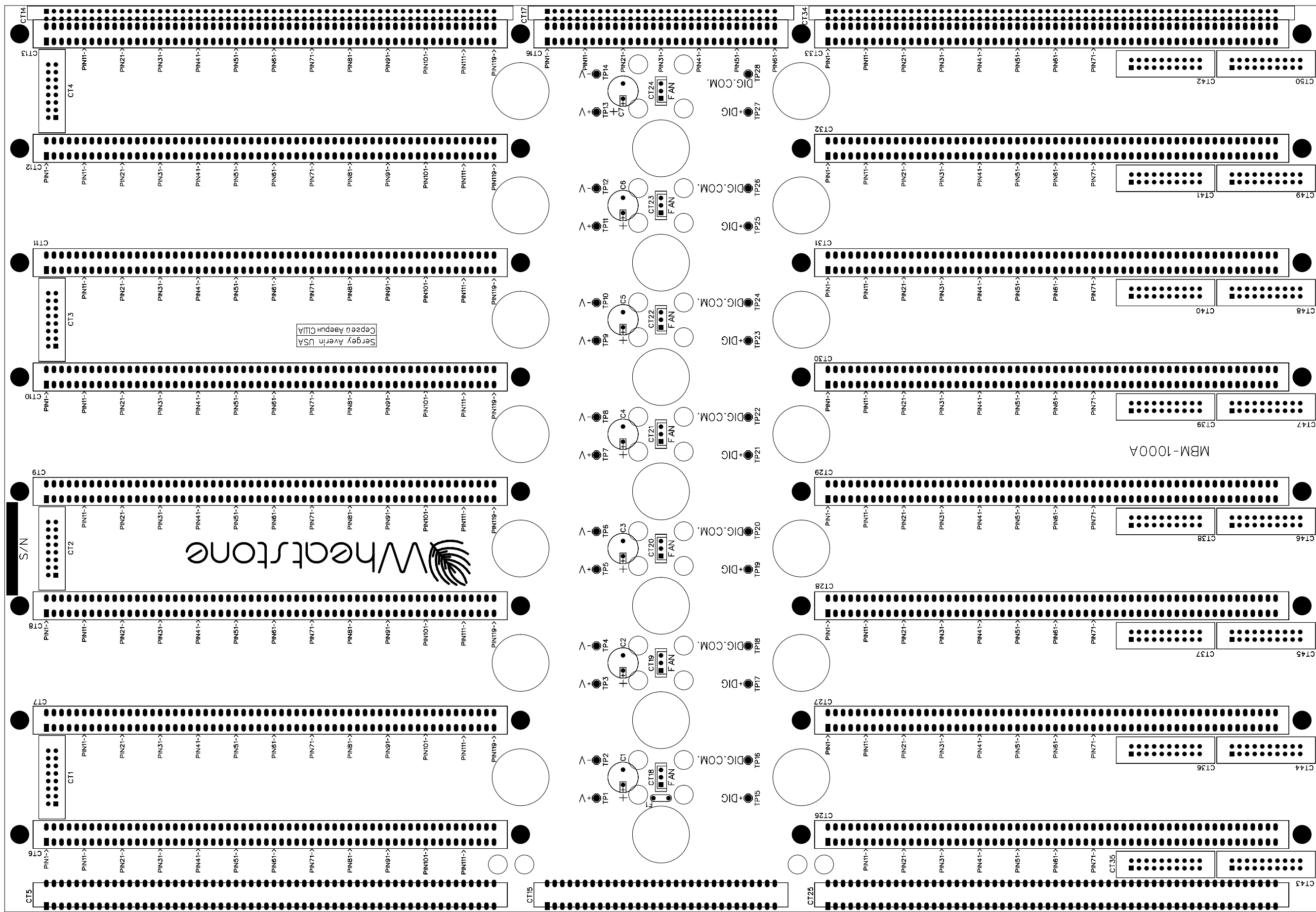
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DRAWN	SA 2-19-02				
CHECKED	SA				
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W# 700289		SCALE	MO-1000C PCB		SHEET 4 OF 4

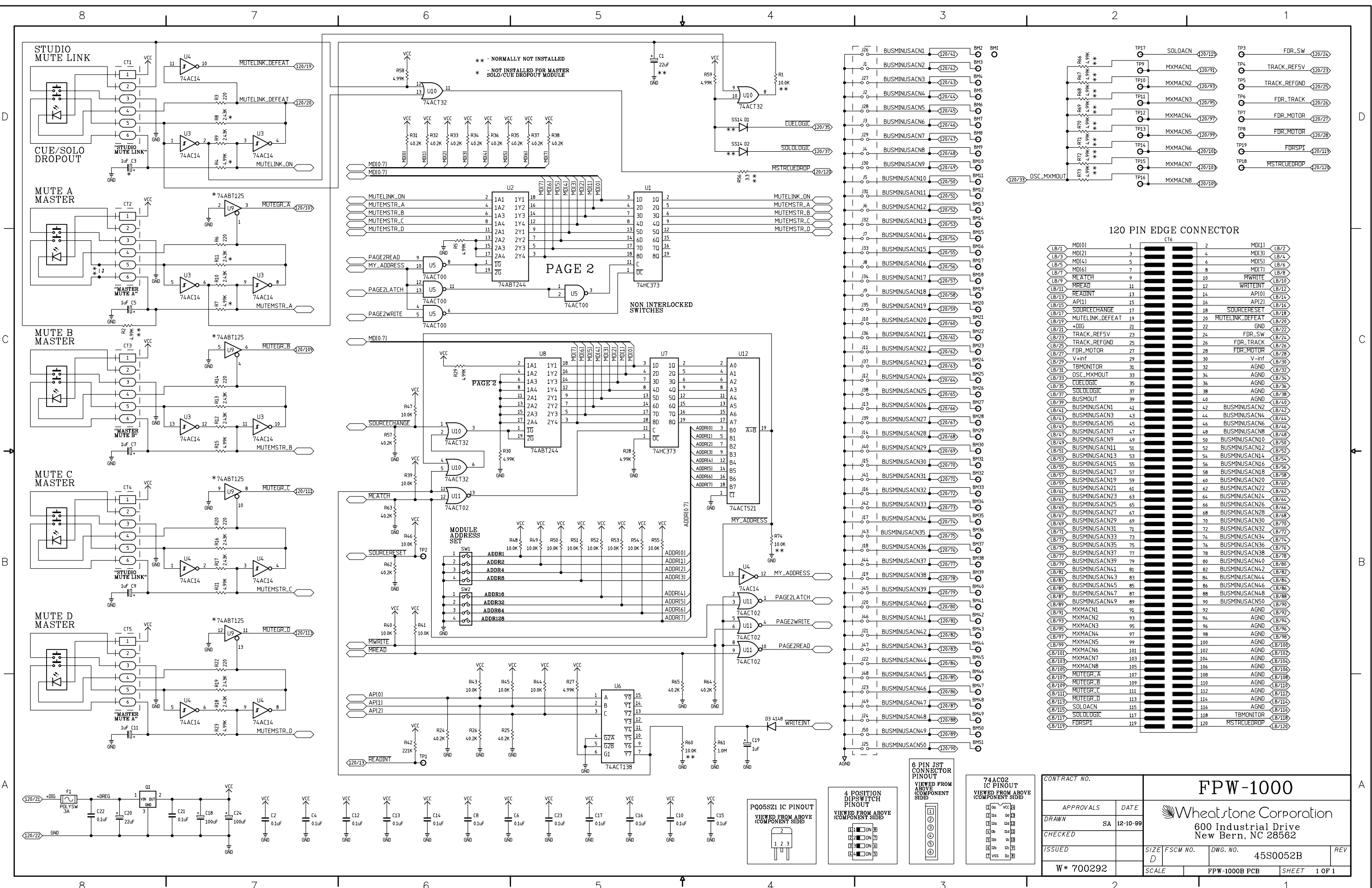
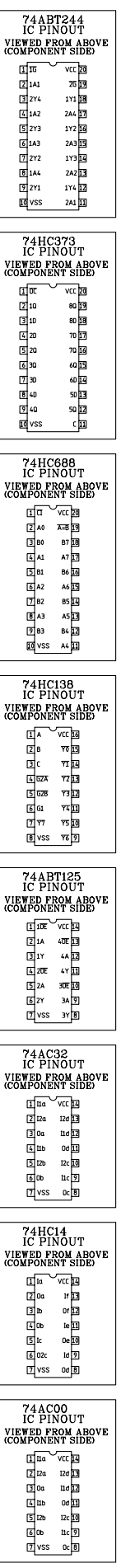


VO-1000 Meter Output Module Load Sheet



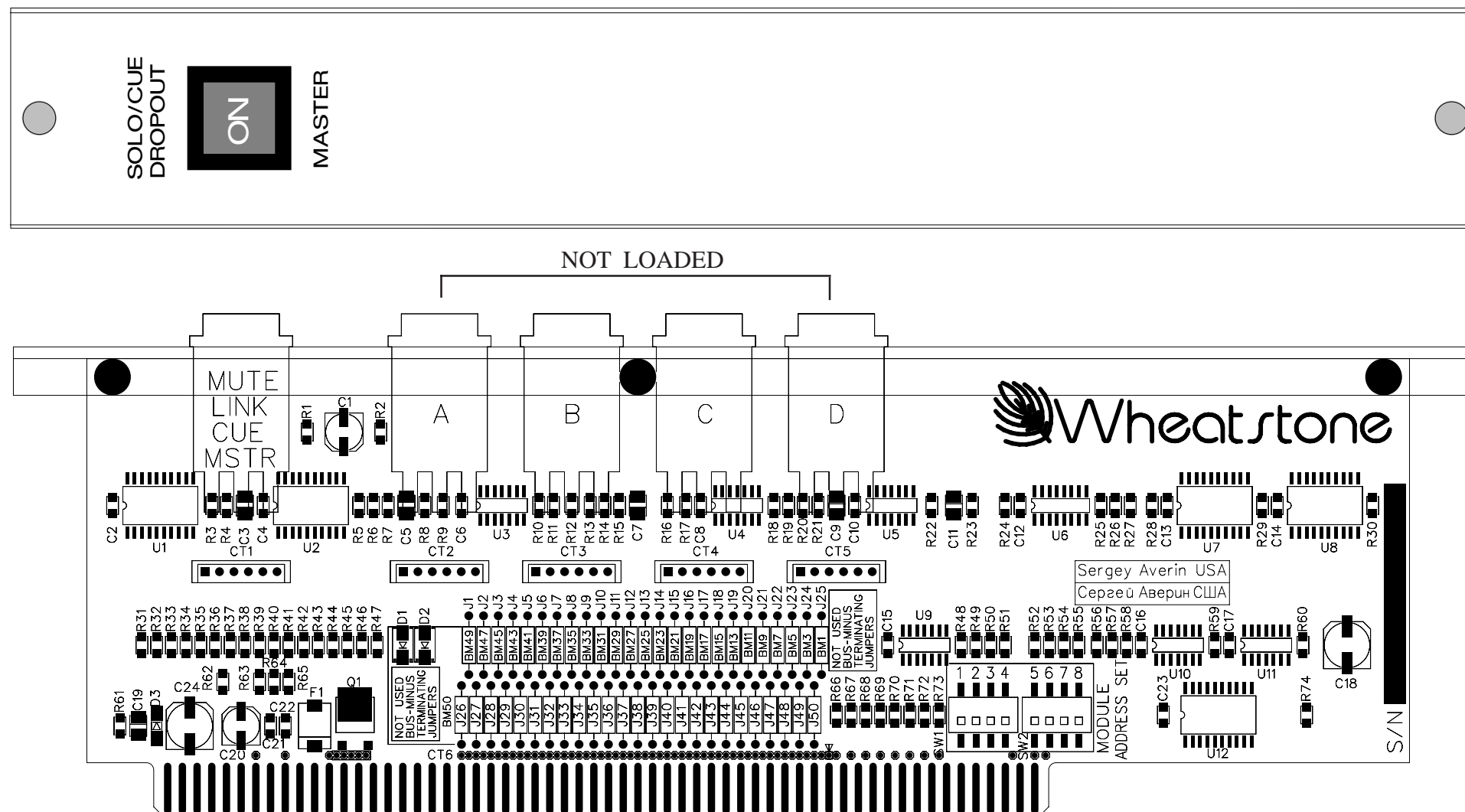
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W* 700290					



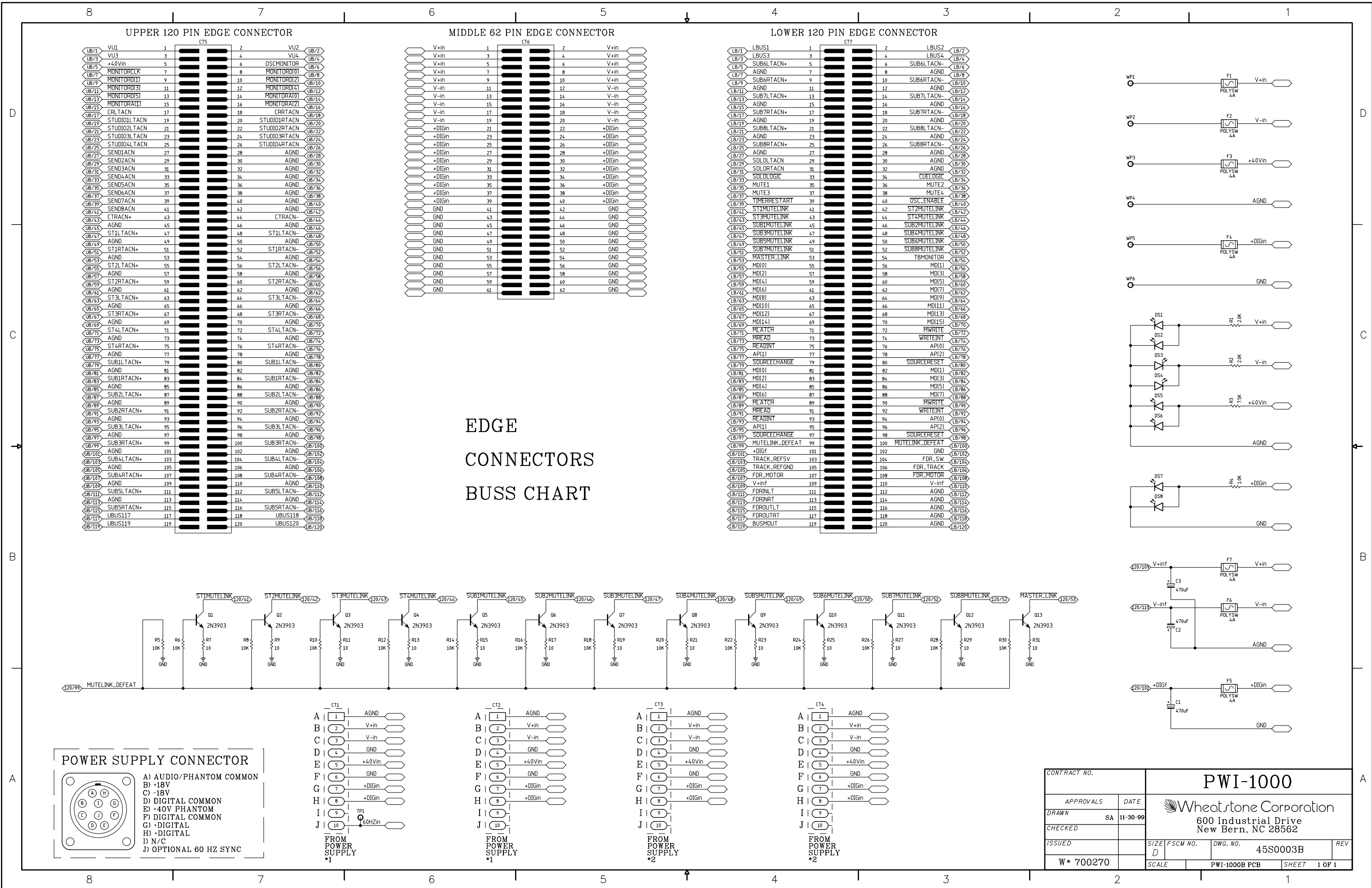


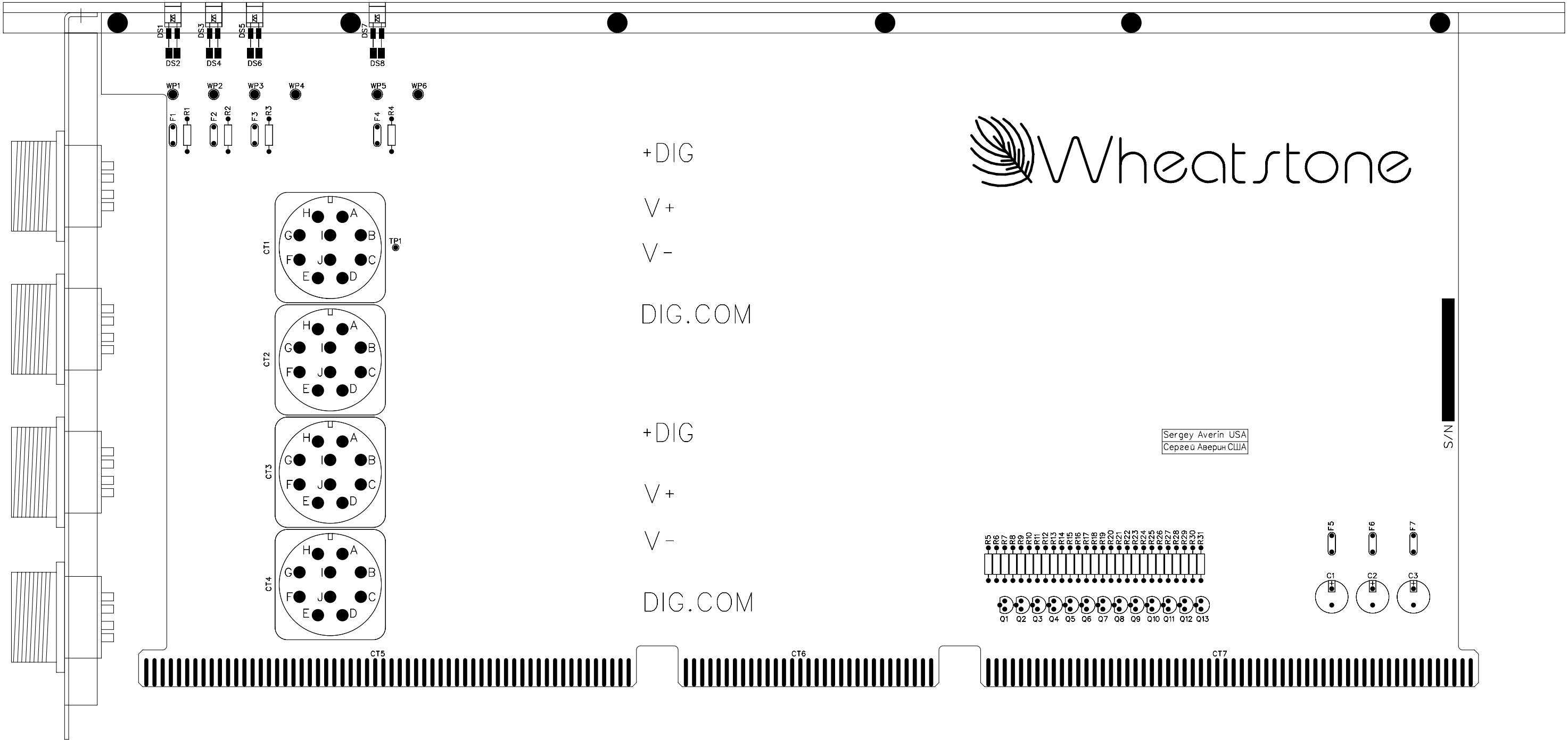
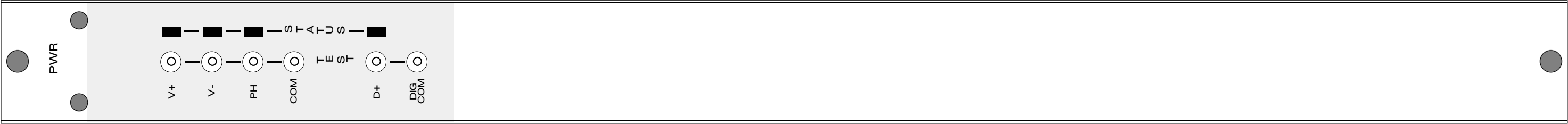
Fader Panel Master Solo/Cue Dropout Module Schematic - Sheet 1 of 1

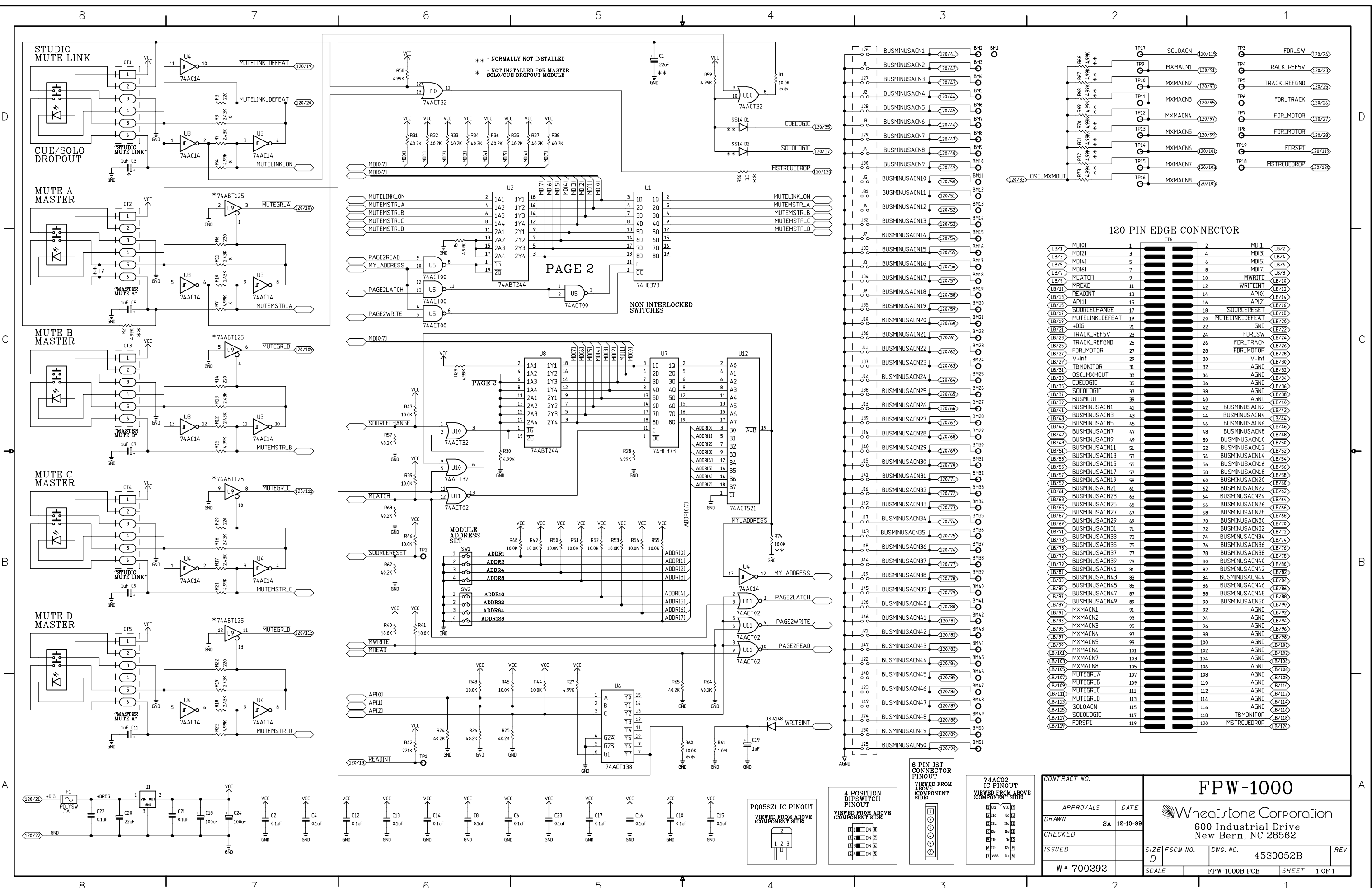
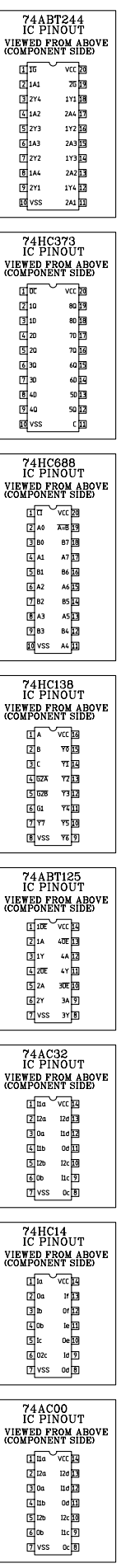


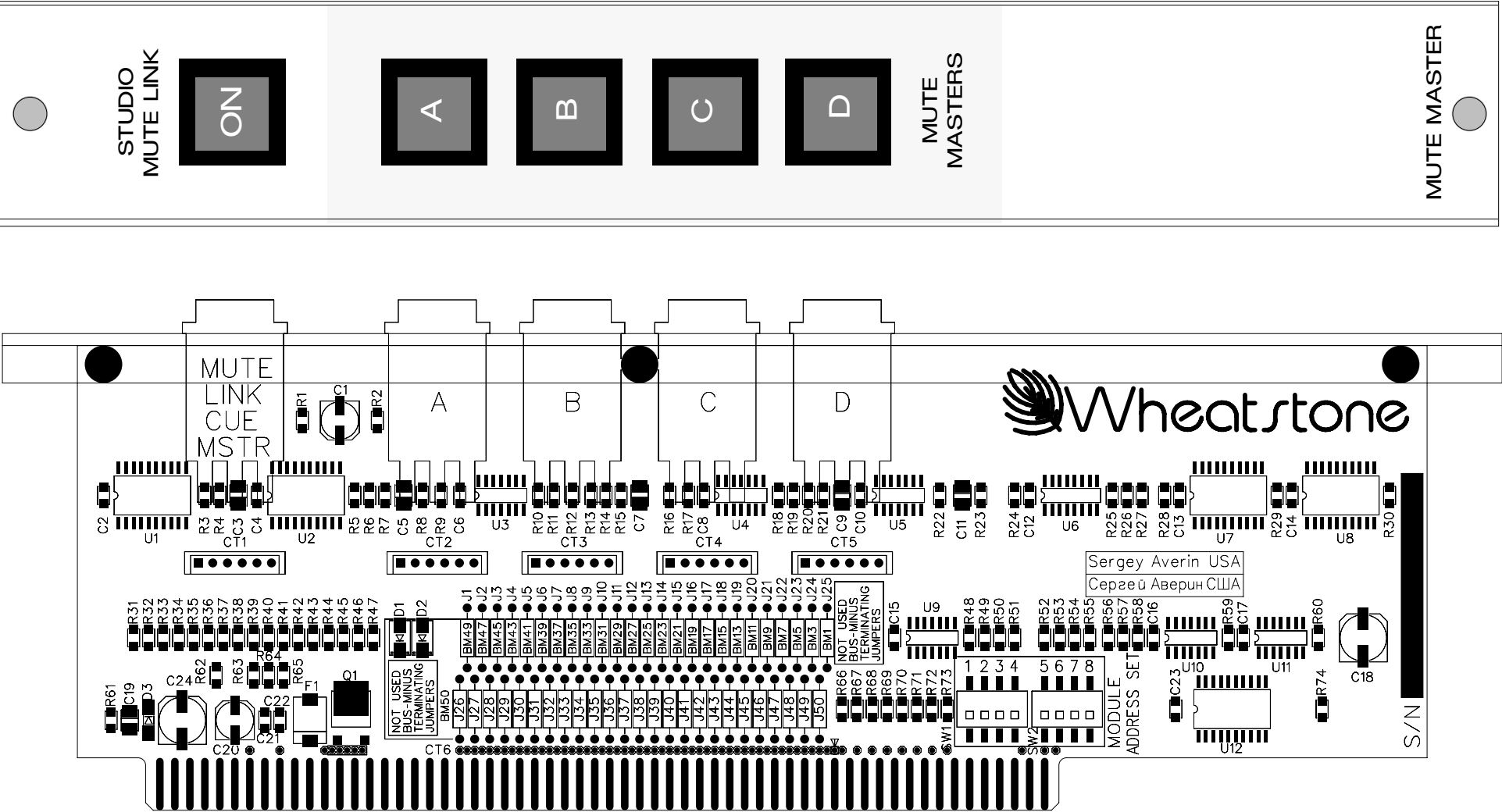


Fader Panel Master Solo/Cue Dropout Module Load Sheet

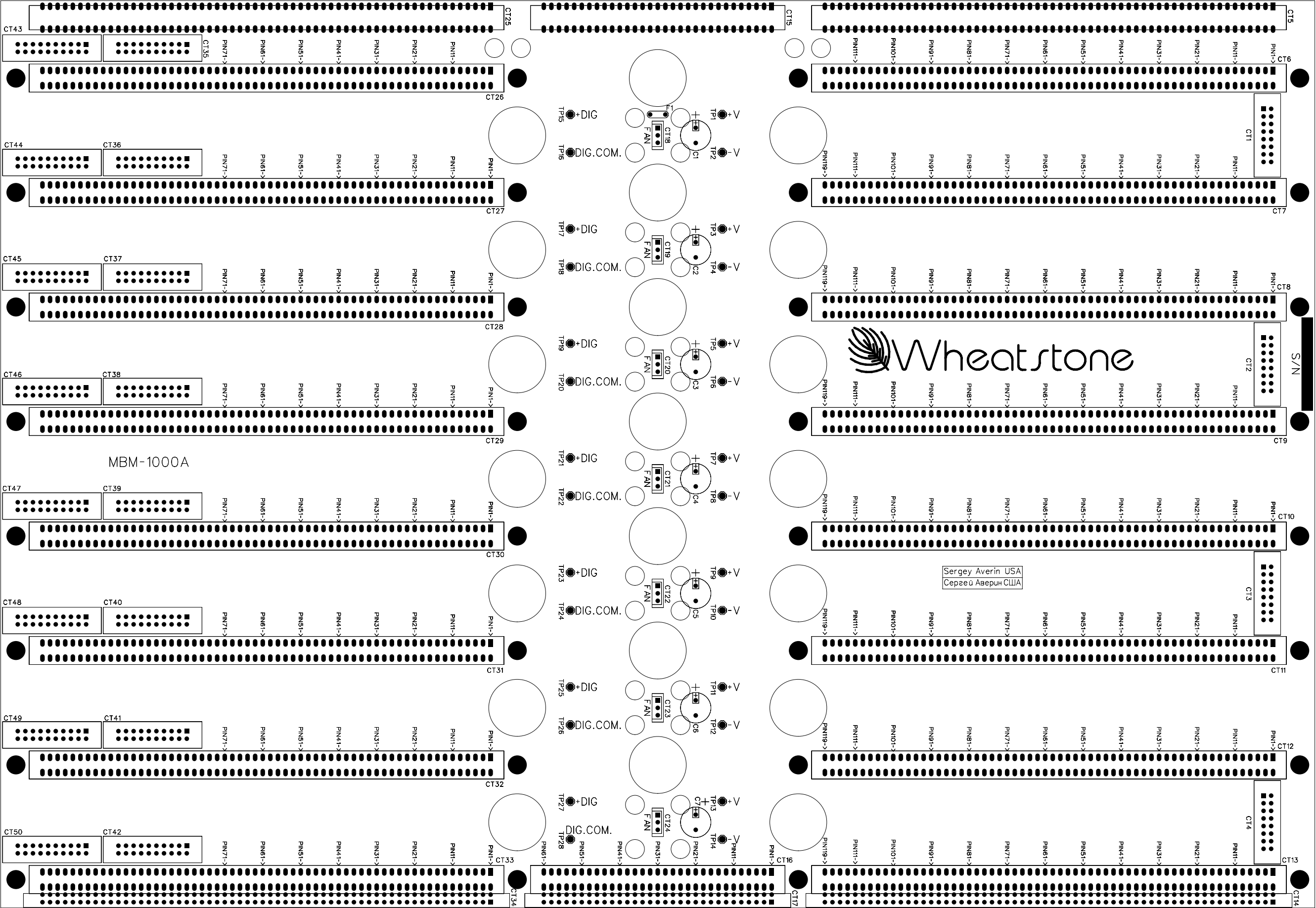






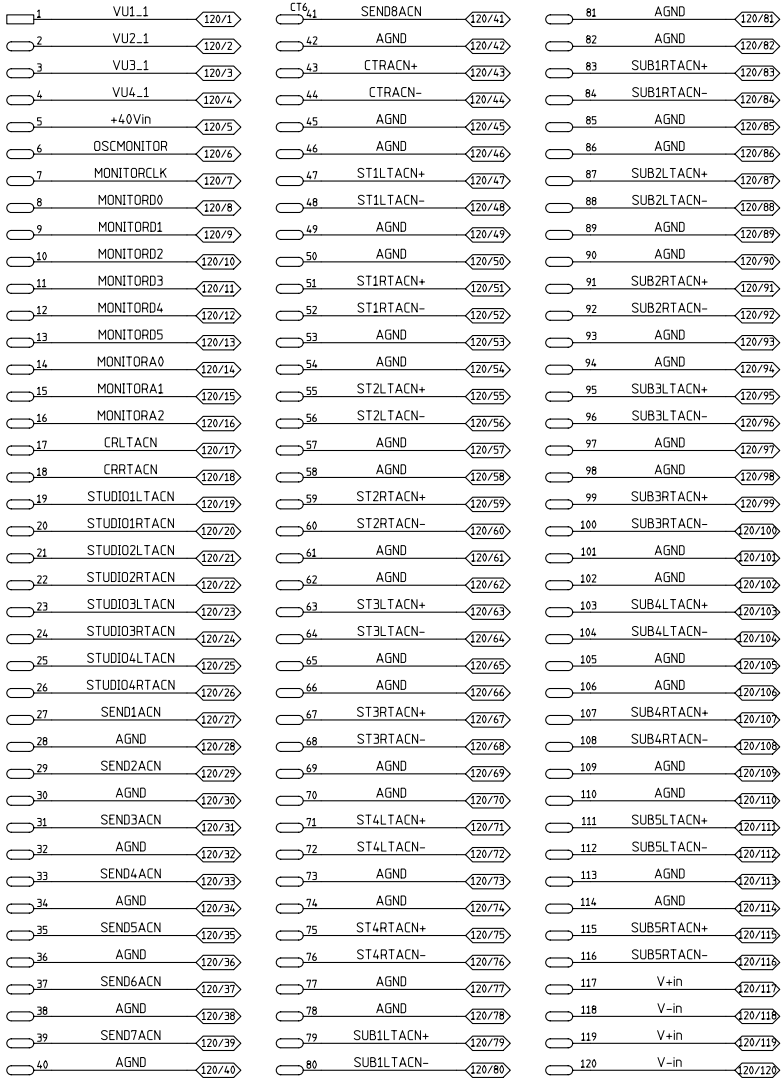


Fader Panel Mute Master Module Load Sheet

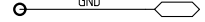
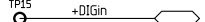
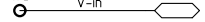
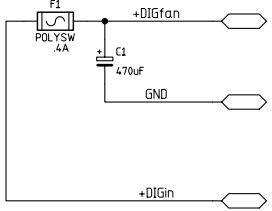
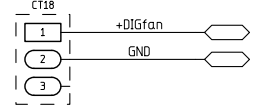
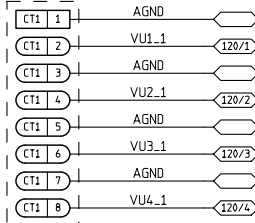
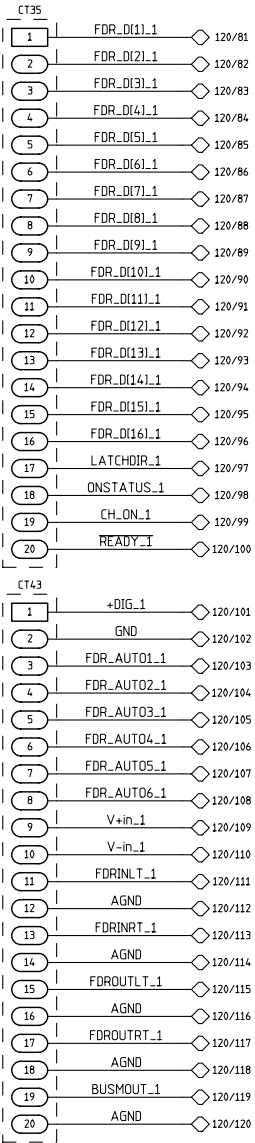
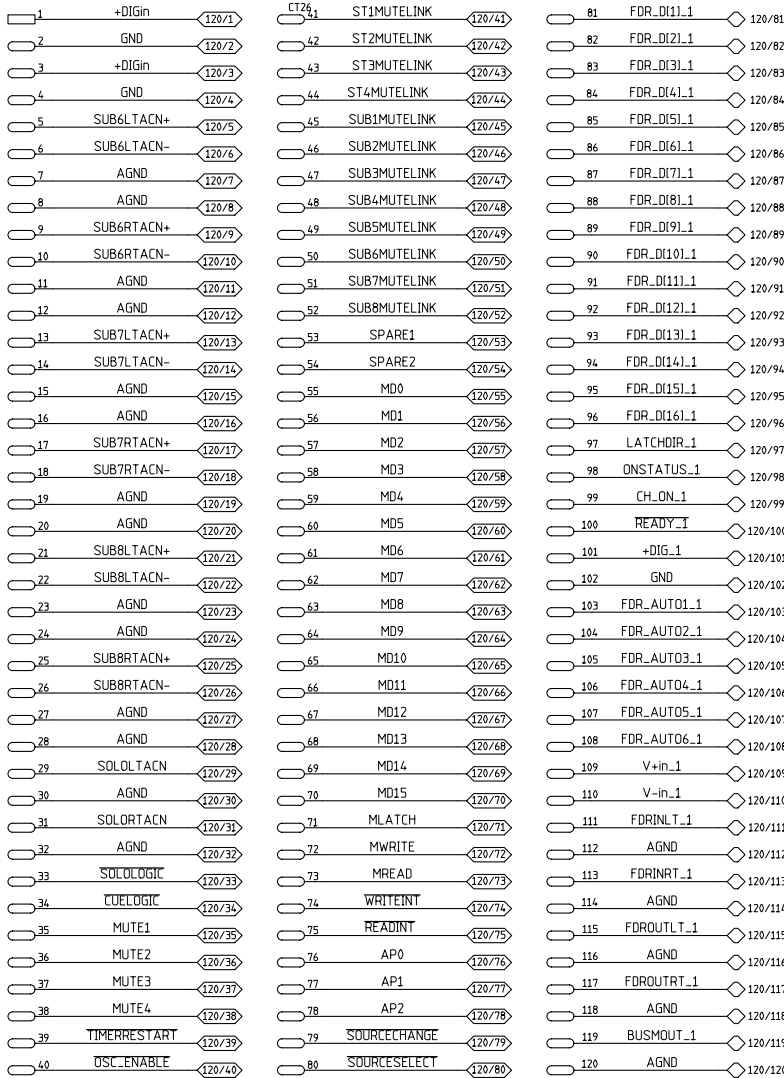



EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



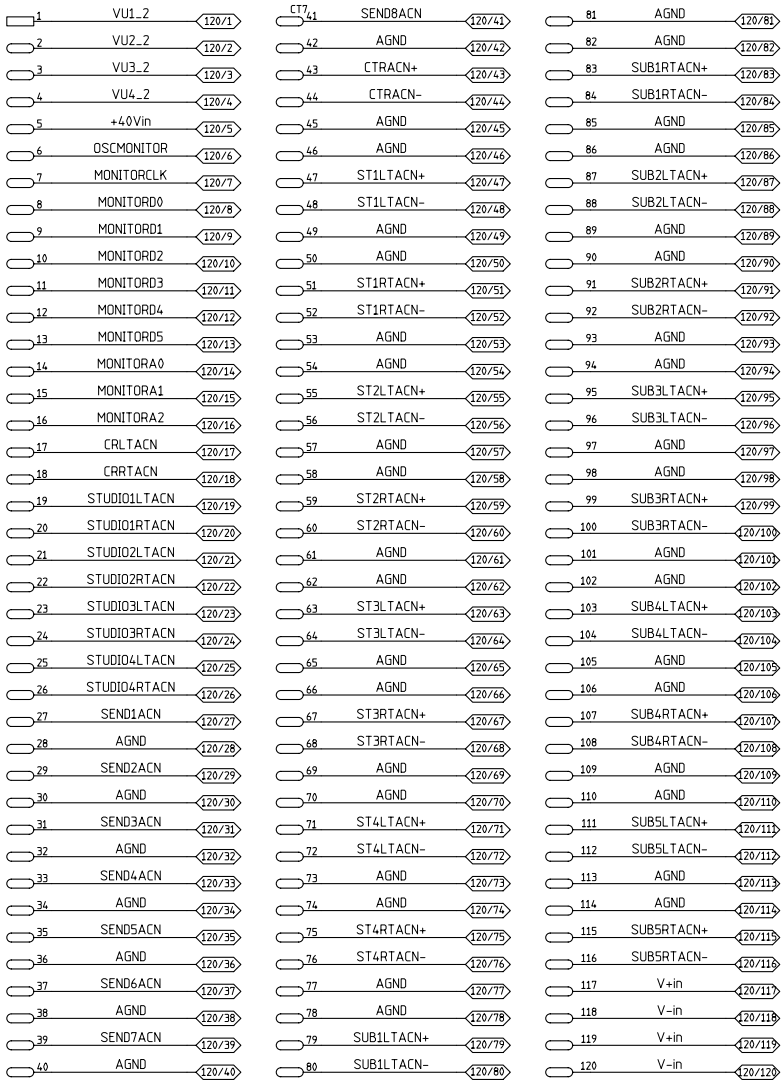
120 PIN EDGE CONNECTOR



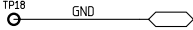
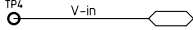
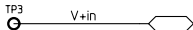
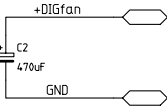
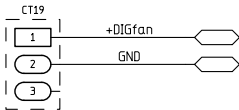
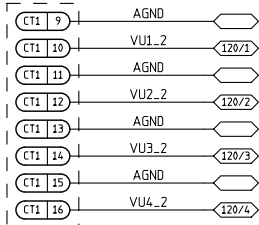
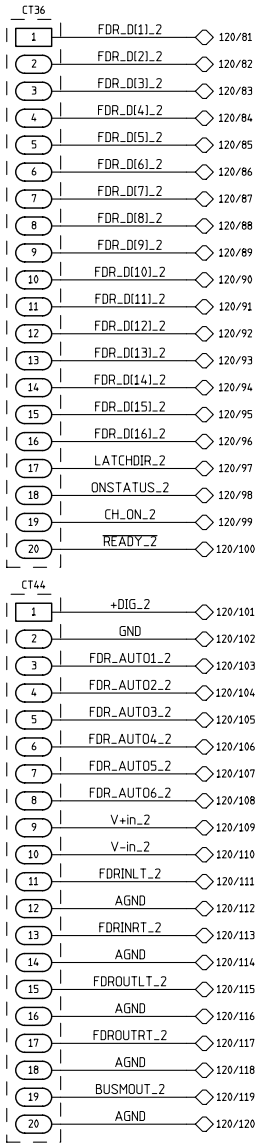
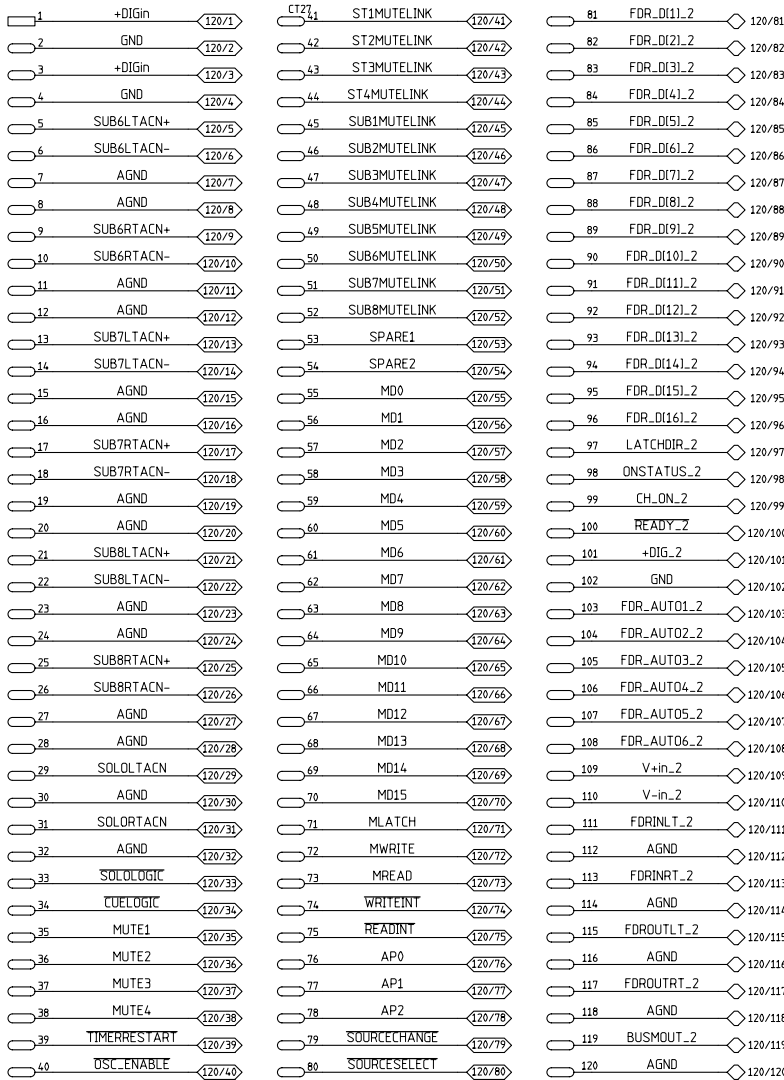
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APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 9-28-99			
CHECKED					
ISSUED					
W* 700267		SIZE D	FSCM NO.	DWG. NO. 45S0020A	REV
		SCALE	MBM-1000A PCB		SHEET 1 OF 10


EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



120 PIN EDGE CONNECTOR



CONTRACT NO.		MBM-1000			
APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 9-28-99			
CHECKED					
ISSUED					
W # 700267		SIZE D	FSCM NO.	DWG. NO. 45S0021A	REV
		SCALE	MBM-1000A PCB		SHEET 2 OF 10



EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR

1	VU1_3	120/1	CT8_1	SEND8ACN	120/42	81	AGND	120/81
2	VU2_3	120/2	42	AGND	120/42	82	AGND	120/82
3	VU3_3	120/3	43	CTRACN+	120/43	83	SUB1RTACN+	120/83
4	VU4_3	120/4	44	CTRACN-	120/44	84	SUB1RTACN-	120/84
5	+40Vin	120/5	45	AGND	120/45	85	AGND	120/85
6	OSCMONITOR	120/6	46	AGND	120/46	86	AGND	120/86
7	MONITORCLK	120/7	47	ST1LTACN+	120/47	87	SUB2LTACN+	120/87
8	MONITOR00	120/8	48	ST1LTACN-	120/48	88	SUB2LTACN-	120/88
9	MONITOR01	120/9	49	AGND	120/49	89	AGND	120/89
10	MONITOR02	120/10	50	AGND	120/50	90	AGND	120/90
11	MONITOR03	120/11	51	ST1RTACN+	120/51	91	SUB2RTACN+	120/91
12	MONITOR04	120/12	52	ST1RTACN-	120/52	92	SUB2RTACN-	120/92
13	MONITOR05	120/13	53	AGND	120/53	93	AGND	120/93
14	MONITORA0	120/14	54	AGND	120/54	94	AGND	120/94
15	MONITORA1	120/15	55	ST2LTACN+	120/55	95	SUB3LTACN+	120/95
16	MONITORA2	120/16	56	ST2LTACN-	120/56	96	SUB3LTACN-	120/96
17	CRLTACN	120/17	57	AGND	120/57	97	AGND	120/97
18	CRRTACN	120/18	58	AGND	120/58	98	AGND	120/98
19	STUDIO1LTACN	120/19	59	ST2RTACN+	120/59	99	SUB3RTACN+	120/99
20	STUDIO1RTACN	120/20	60	ST2RTACN-	120/60	100	SUB3RTACN-	120/100
21	STUDIO2LTACN	120/21	61	AGND	120/61	101	AGND	120/101
22	STUDIO2RTACN	120/22	62	AGND	120/62	102	AGND	120/102
23	STUDIO3LTACN	120/23	63	ST3LTACN+	120/63	103	SUB4LTACN+	120/103
24	STUDIO3RTACN	120/24	64	ST3LTACN-	120/64	104	SUB4LTACN-	120/104
25	STUDIO4LTACN	120/25	65	AGND	120/65	105	AGND	120/105
26	STUDIO4RTACN	120/26	66	AGND	120/66	106	AGND	120/106
27	SEND1ACN	120/27	67	ST3RTACN+	120/67	107	SUB4RTACN+	120/107
28	AGND	120/28	68	ST3RTACN-	120/68	108	SUB4RTACN-	120/108
29	SEND2ACN	120/29	69	AGND	120/69	109	AGND	120/109
30	AGND	120/30	70	AGND	120/70	110	AGND	120/110
31	SEND3ACN	120/31	71	ST4LTACN+	120/71	111	SUB5LTACN+	120/111
32	AGND	120/32	72	ST4LTACN-	120/72	112	SUB5LTACN-	120/112
33	SEND4ACN	120/33	73	AGND	120/73	113	AGND	120/113
34	AGND	120/34	74	AGND	120/74	114	AGND	120/114
35	SEND5ACN	120/35	75	ST4RTACN+	120/75	115	SUB5RTACN+	120/115
36	AGND	120/36	76	ST4RTACN-	120/76	116	SUB5RTACN-	120/116
37	SEND6ACN	120/37	77	AGND	120/77	117	V+in	120/117
38	AGND	120/38	78	AGND	120/78	118	V-in	120/118
39	SEND7ACN	120/39	79	SUB1LTACN+	120/79	119	V+in	120/119
40	AGND	120/40	80	SUB1LTACN-	120/80	120	V-in	120/120

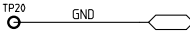
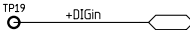
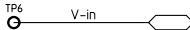
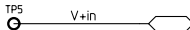
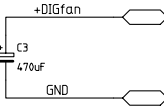
120 PIN EDGE CONNECTOR

1	+DIGin	120/1	CT28_1	ST1MUTELINK	120/41	81	FDR_DI(1)_3	120/81
2	GND	120/2	42	ST2MUTELINK	120/42	82	FDR_DI(2)_3	120/82
3	+DIGin	120/3	43	ST3MUTELINK	120/43	83	FDR_DI(3)_3	120/83
4	GND	120/4	44	GND	120/44	84	FDR_DI(4)_3	120/84
5	SUB6LTACN+	120/5	45	SUB1MUTELINK	120/45	85	FDR_DI(5)_3	120/85
6	SUB6LTACN-	120/6	46	SUB2MUTELINK	120/46	86	FDR_DI(6)_3	120/86
7	AGND	120/7	47	SUB3MUTELINK	120/47	87	FDR_DI(7)_3	120/87
8	AGND	120/8	48	SUB4MUTELINK	120/48	88	FDR_DI(8)_3	120/88
9	SUB6RTACN+	120/9	49	SUB5MUTELINK	120/49	89	FDR_DI(9)_3	120/89
10	SUB6RTACN-	120/10	50	SUB6MUTELINK	120/50	90	FDR_DI(10)_3	120/90
11	AGND	120/11	51	SUB7MUTELINK	120/51	91	FDR_DI(11)_3	120/91
12	AGND	120/12	52	SUB8MUTELINK	120/52	92	FDR_DI(12)_3	120/92
13	SUB7LTACN+	120/13	53	SPARE1	120/53	93	FDR_DI(13)_3	120/93
14	SUB7LTACN-	120/14	54	SPARE2	120/54	94	FDR_DI(14)_3	120/94
15	AGND	120/15	55	MD0	120/55	95	FDR_DI(15)_3	120/95
16	AGND	120/16	56	MD1	120/56	96	FDR_DI(16)_3	120/96
17	SUB7RTACN+	120/17	57	MD2	120/57	97	LATCHDIR_3	120/97
18	SUB7RTACN-	120/18	58	MD3	120/58	98	ONSTATUS_3	120/98
19	AGND	120/19	59	MD4	120/59	99	CH_ON_3	120/99
20	AGND	120/20	60	MD5	120/60	100	READY_3	120/100
21	SUB8LTACN+	120/21	61	MD6	120/61	101	+DIG_3	120/101
22	SUB8LTACN-	120/22	62	MD7	120/62	102	GND	120/102
23	AGND	120/23	63	MD8	120/63	103	FDR_AUTO1_3	120/103
24	AGND	120/24	64	MD9	120/64	104	FDR_AUTO2_3	120/104
25	SUB8RTACN+	120/25	65	MD10	120/65	105	FDR_AUTO3_3	120/105
26	SUB8RTACN-	120/26	66	MD11	120/66	106	FDR_AUTO4_3	120/106
27	AGND	120/27	67	MD12	120/67	107	FDR_AUTO5_3	120/107
28	AGND	120/28	68	MD13	120/68	108	FDR_AUTO6_3	120/108
29	SOL0LTACN	120/29	69	MD14	120/69	109	V+in_3	120/109
30	AGND	120/30	70	MD15	120/70	110	V-in_3	120/110
31	SOL0RTACN	120/31	71	MLATCH	120/71	111	FDRINLT_3	120/111
32	AGND	120/32	72	MWRITE	120/72	112	AGND	120/112
33	SOL0LOGIC	120/33	73	MREAD	120/73	113	FDRINRT_3	120/113
34	CUELOGIC	120/34	74	WRITEINT	120/74	114	AGND	120/114
35	MUTE1	120/35	75	READINT	120/75	115	FDROUTLT_3	120/115
36	MUTE2	120/36	76	AP0	120/76	116	AGND	120/116
37	MUTE3	120/37	77	AP1	120/77	117	FDROUTRT_3	120/117
38	MUTE4	120/38	78	AP2	120/78	118	AGND	120/118
39	TIMERRESTART	120/39	79	SOURCECHANGE	120/79	119	BUSMOUT_3	120/119
40	OSC_ENABLE	120/40	80	SOURCESELECT	120/80	120	AGND	120/120

CT37	1	FDR_DI(1)_3	120/81
	2	FDR_DI(2)_3	120/82
	3	FDR_DI(3)_3	120/83
	4	FDR_DI(4)_3	120/84
	5	FDR_DI(5)_3	120/85
	6	FDR_DI(6)_3	120/86
	7	FDR_DI(7)_3	120/87
	8	FDR_DI(8)_3	120/88
	9	FDR_DI(9)_3	120/89
	10	FDR_DI(10)_3	120/90
	11	FDR_DI(11)_3	120/91
	12	FDR_DI(12)_3	120/92
	13	FDR_DI(13)_3	120/93
	14	FDR_DI(14)_3	120/94
	15	FDR_DI(15)_3	120/95
	16	FDR_DI(16)_3	120/96
	17	LATCHDIR_3	120/97
	18	ONSTATUS_3	120/98
	19	CH_ON_3	120/99
	20	READY_3	120/100
CT45	1	+DIG_3	120/101
	2	GND	120/102
	3	FDR_AUTO1_3	120/103
	4	FDR_AUTO2_3	120/104
	5	FDR_AUTO3_3	120/105
	6	FDR_AUTO4_3	120/106
	7	FDR_AUTO5_3	120/107
	8	FDR_AUTO6_3	120/108
	9	V+in_3	120/109
	10	V-in_3	120/110
	11	FDRINLT_3	120/111
	12	AGND	120/112
	13	FDRINRT_3	120/113
	14	AGND	120/114
	15	FDROUTLT_3	120/115
	16	AGND	120/116
	17	FDROUTRT_3	120/117
	18	AGND	120/118
	19	BUSMOUT_3	120/119
	20	AGND	120/120

CT2	1	AGND	120/81
	2	VU1_3	120/1
	3	AGND	120/2
	4	VU2_3	120/2
	5	AGND	120/3
	6	VU3_3	120/3
	7	AGND	120/4
	8	VU4_3	120/4

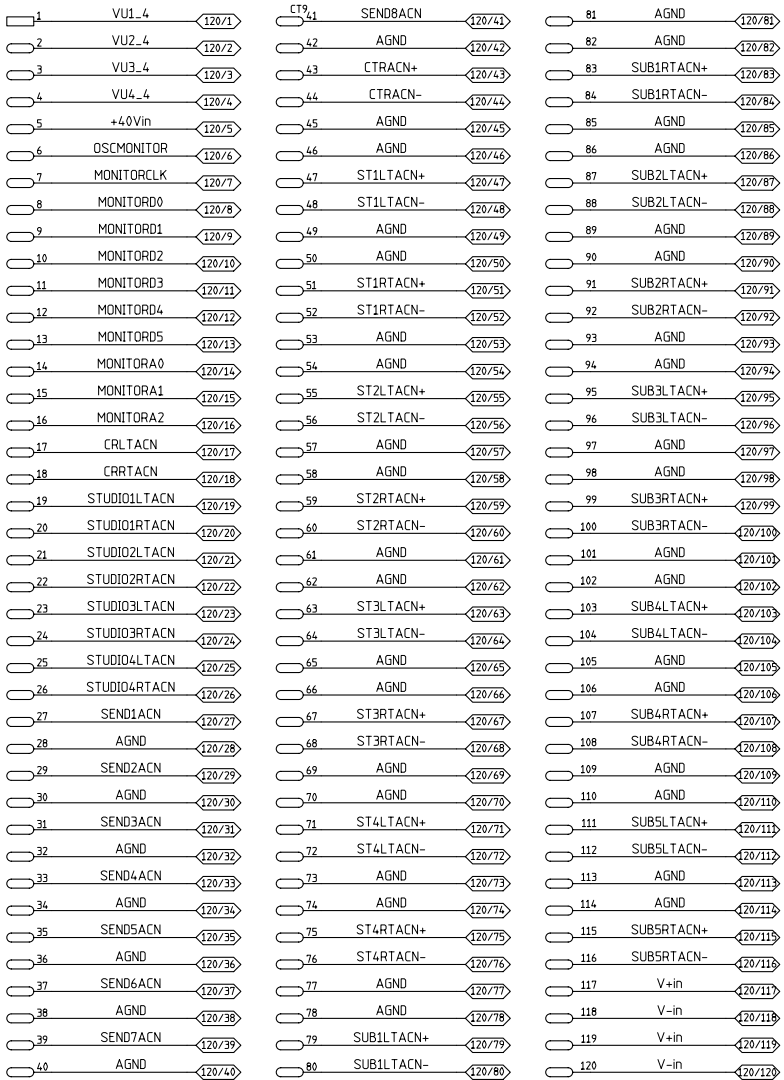
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	2	GND	
	3		



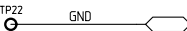
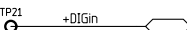
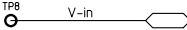
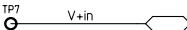
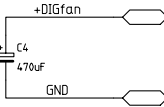
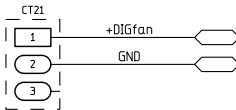
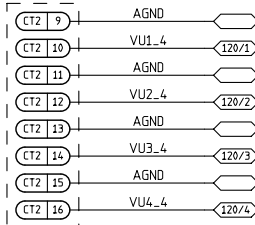
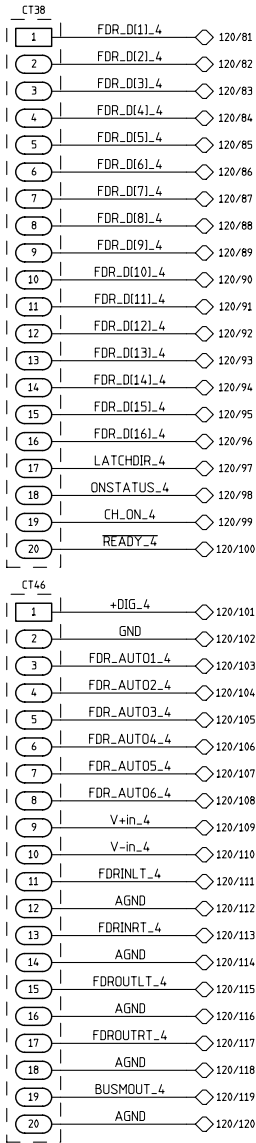
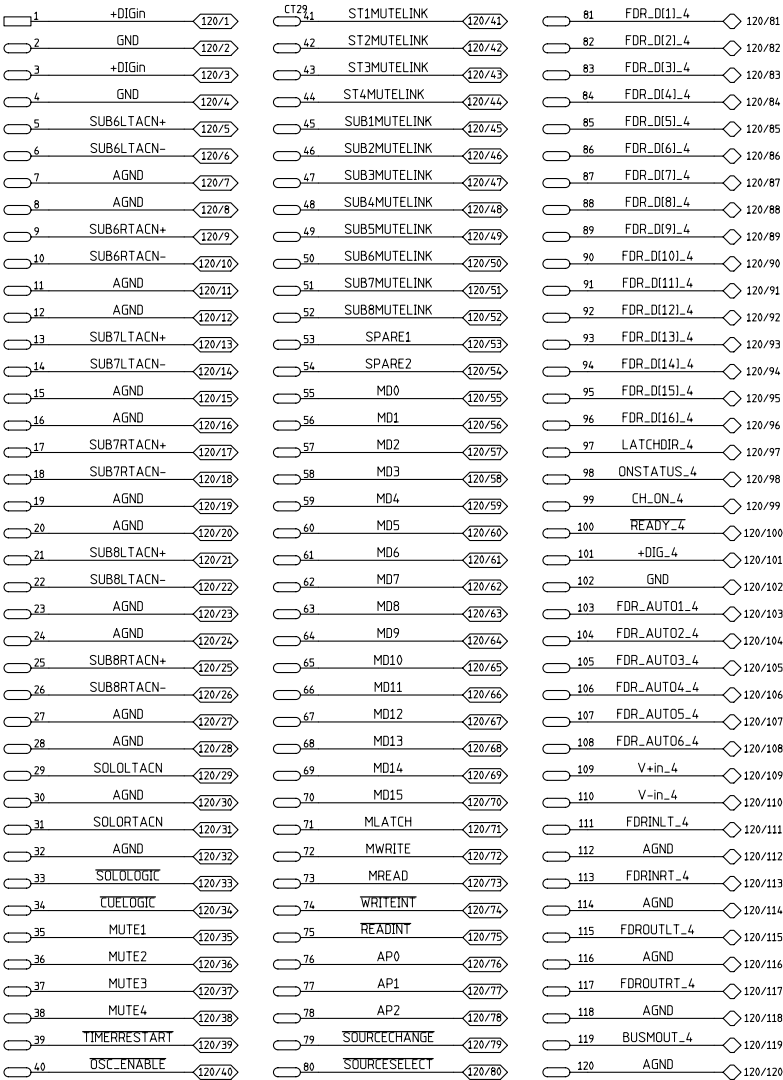
CONTRACT NO.		MBM-1000			
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 9-28-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0022A	REV
W # 700267		SCALE	MBM-1000A PCB	SHEET 3 OF 10	


EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



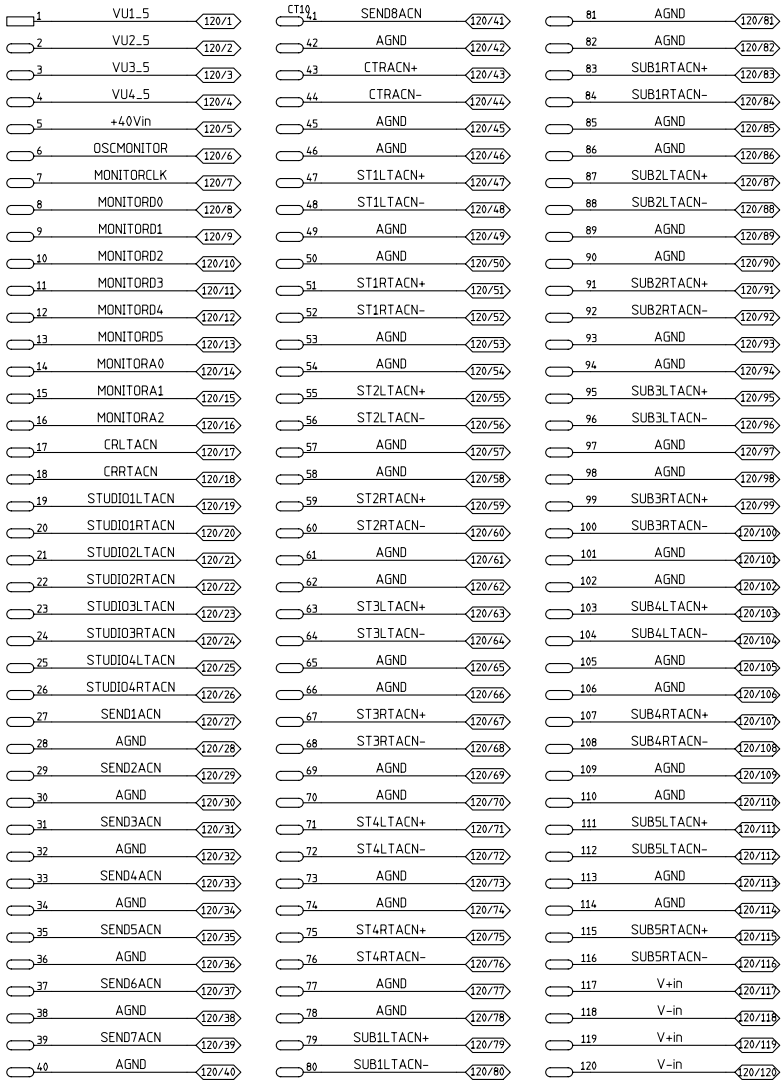
120 PIN EDGE CONNECTOR



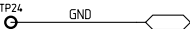
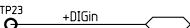
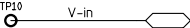
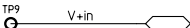
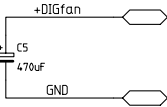
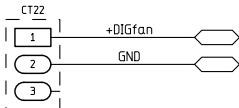
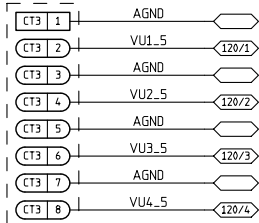
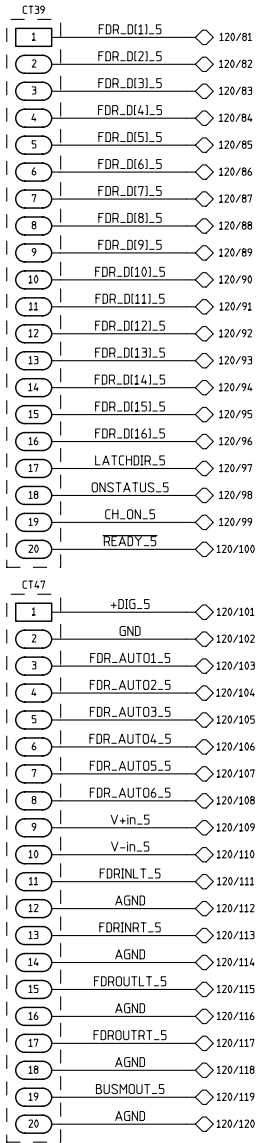
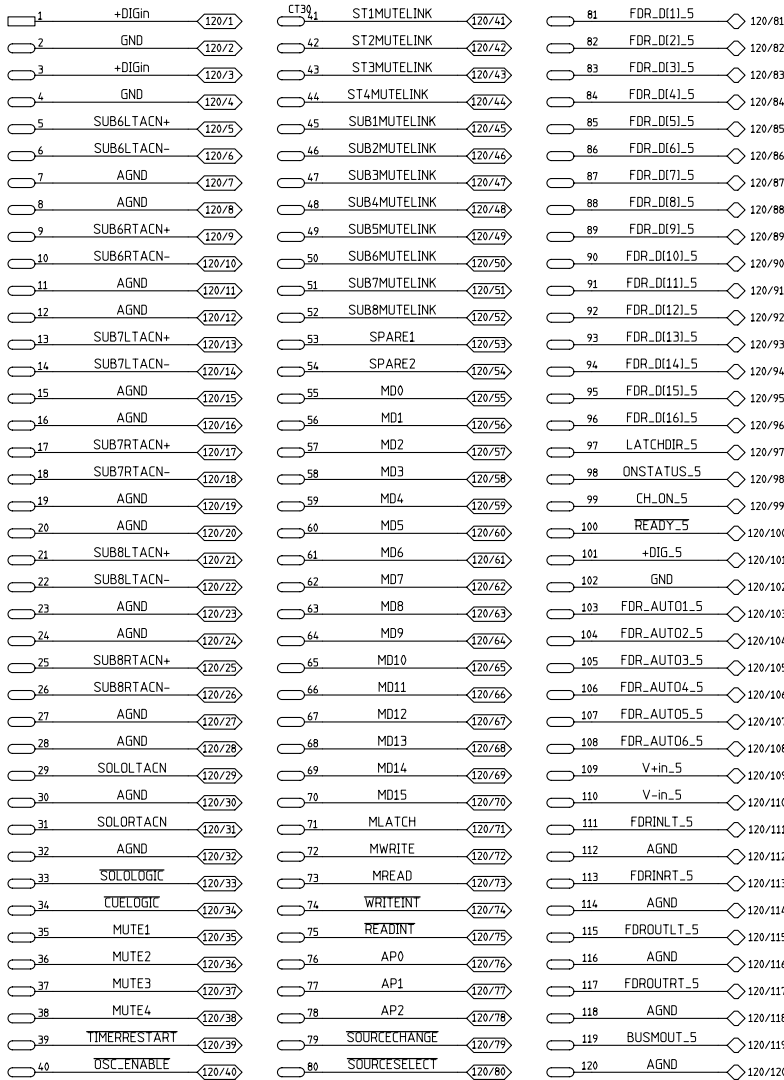
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APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 9-28-99			
CHECKED					
ISSUED					
W # 700267		SIZE D	FSCM NO.	DWG. NO. 45S0023A	REV
		SCALE	MBM-1000A PCB		SHEET 4 OF 10


EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



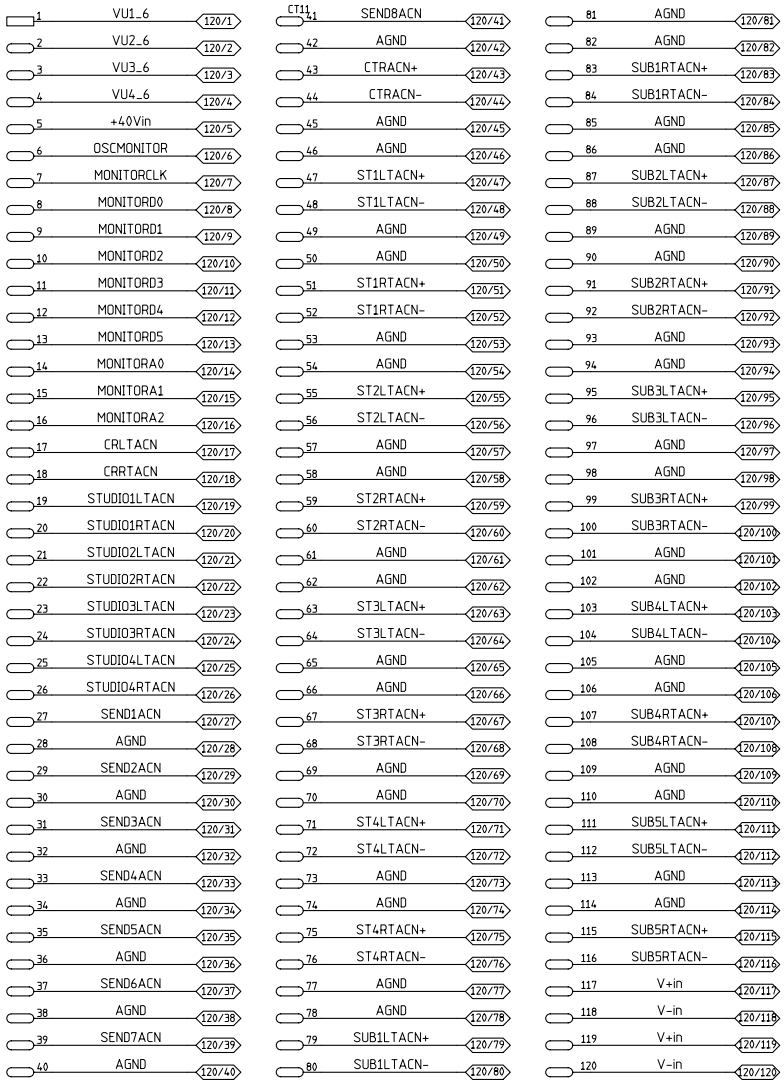
120 PIN EDGE CONNECTOR



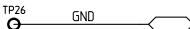
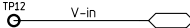
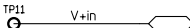
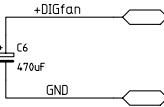
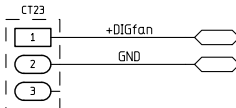
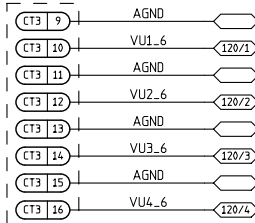
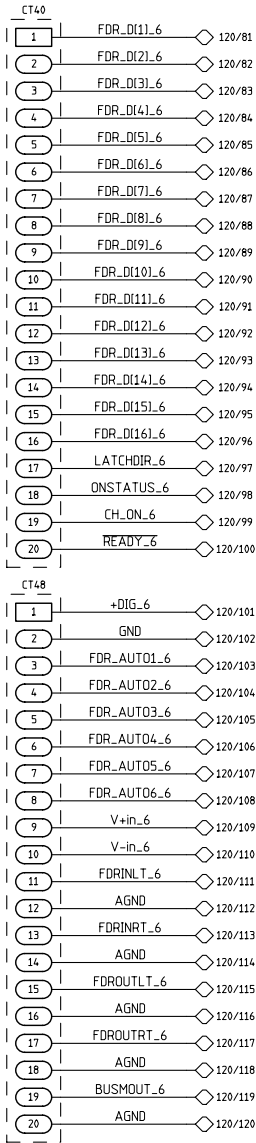
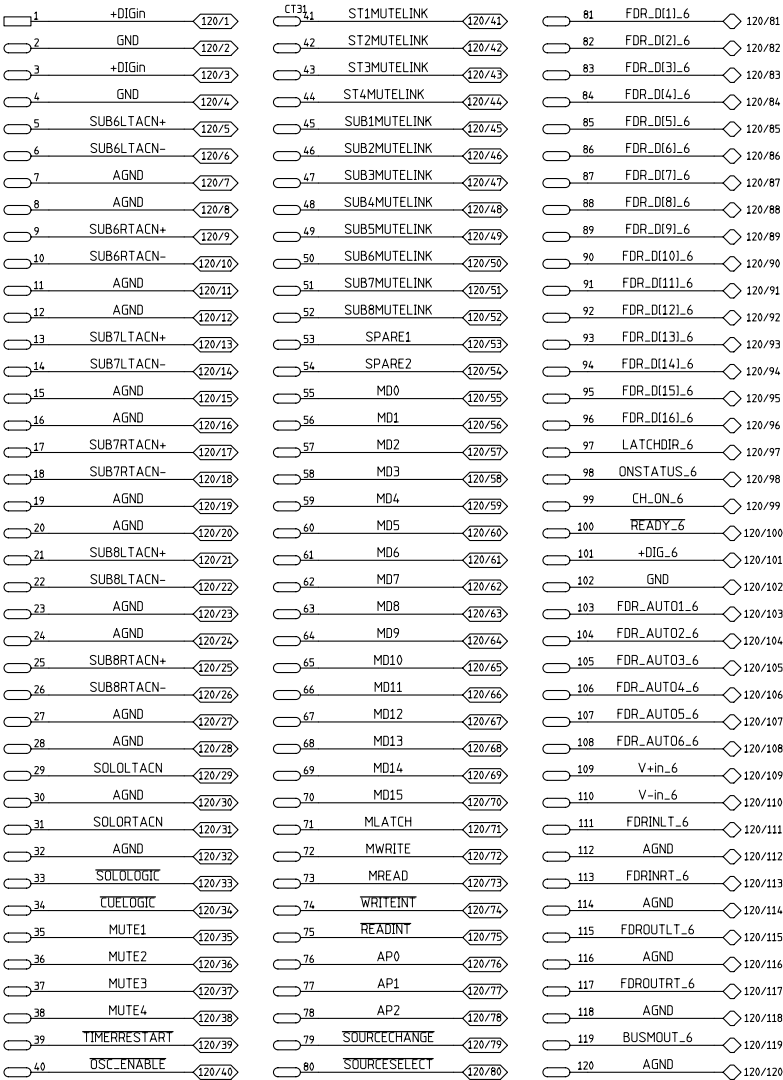
CONTRACT NO.		MBM-1000			
APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 9-28-99			
CHECKED					
ISSUED					
W # 700267		SIZE D	FSCM NO.	DWG. NO. 45S0024A	REV
		SCALE	MBM-1000A PCB		SHEET 5 OF 10


EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



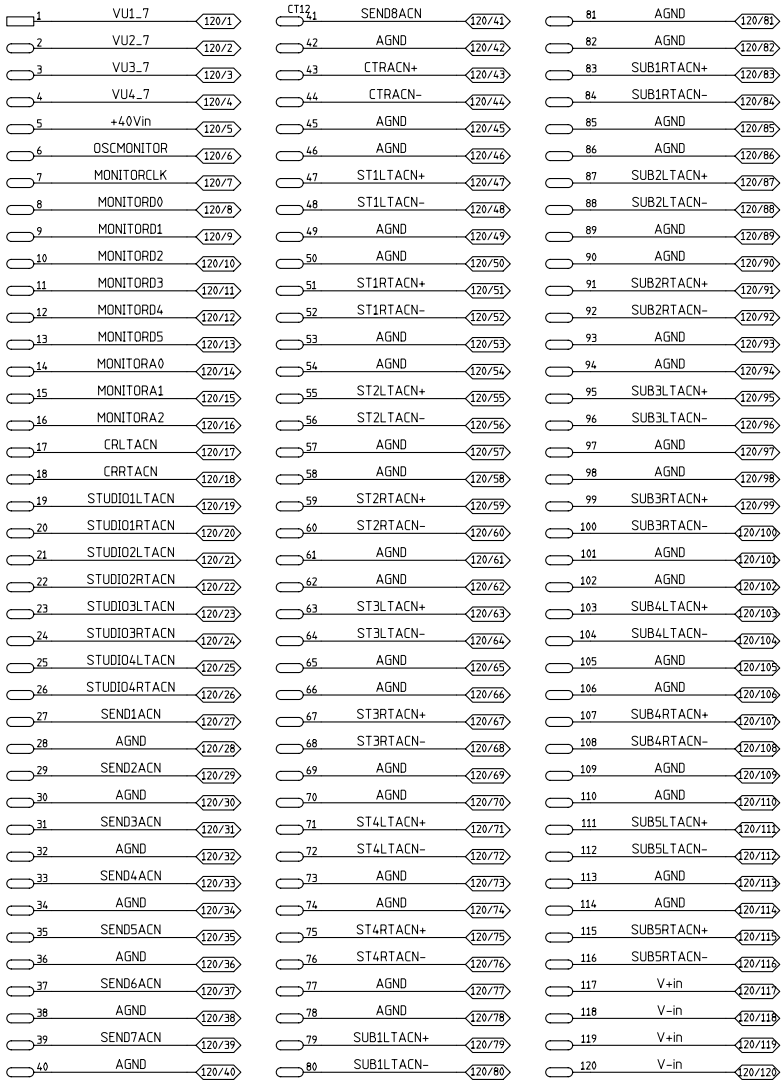
120 PIN EDGE CONNECTOR



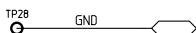
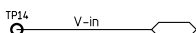
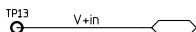
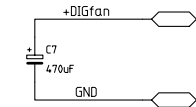
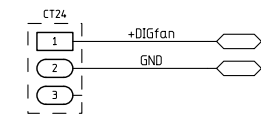
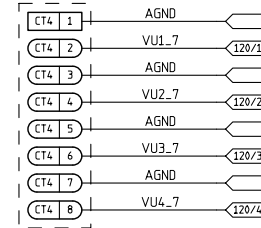
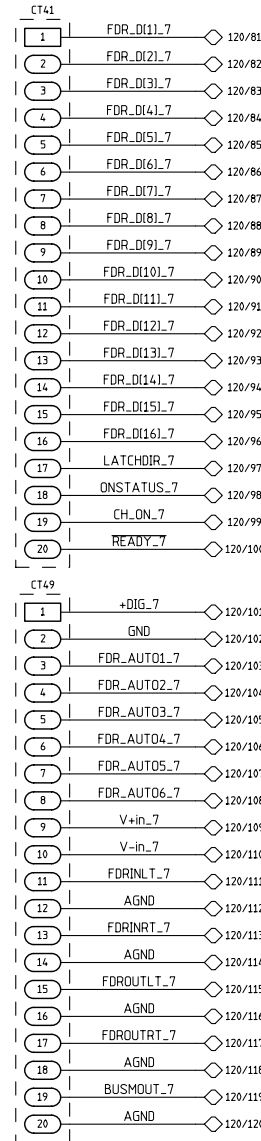
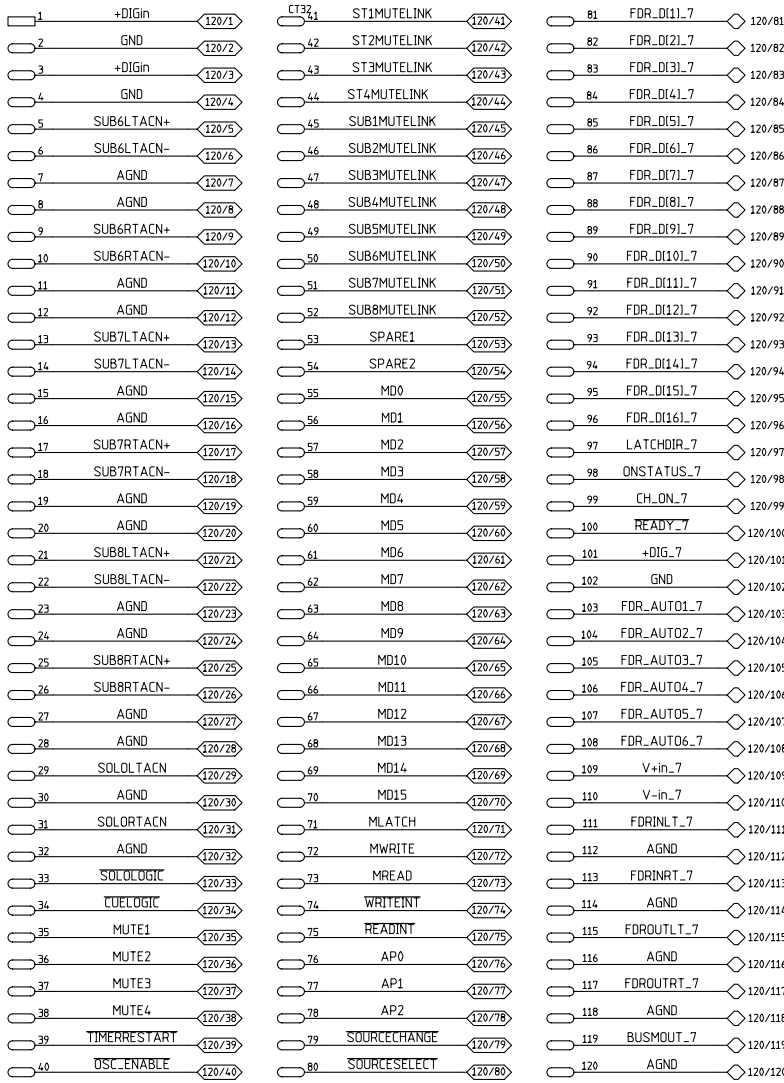
CONTRACT NO.		MBM-1000			
APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 9-28-99			
CHECKED					
ISSUED					
W # 700267		SIZE D	FSCM NO.	DWG. NO. 45S0025A	REV
		SCALE	MBM-1000A PCB		SHEET 6 OF 10


EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR



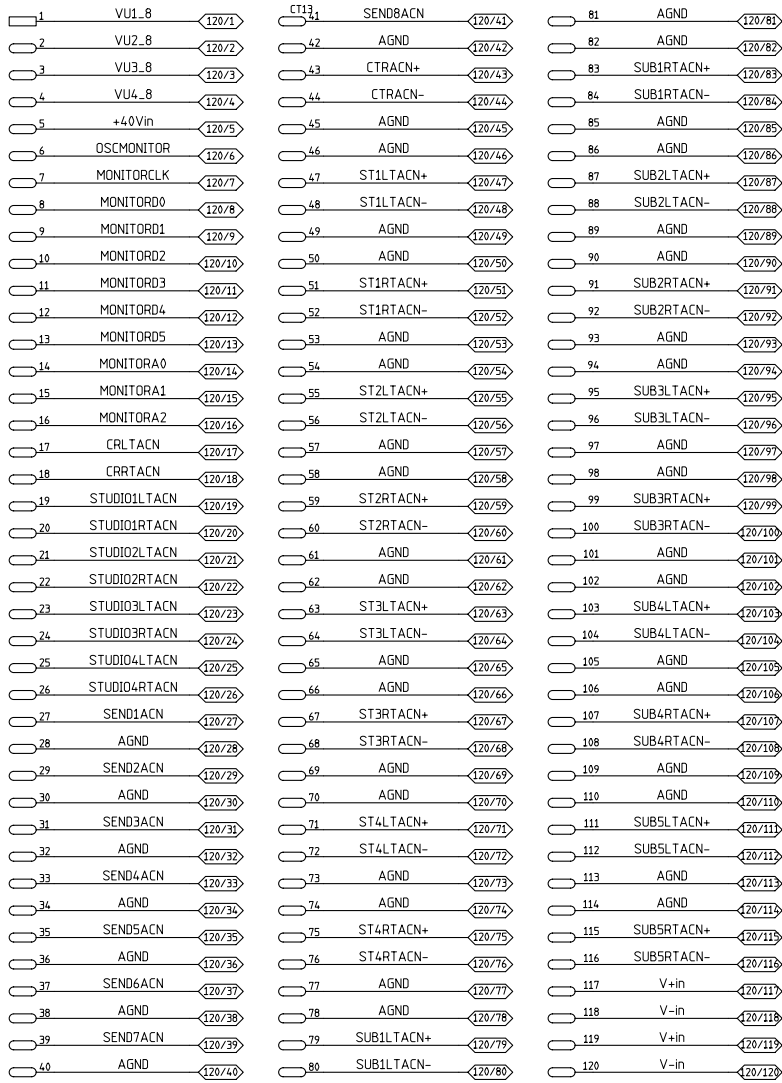
120 PIN EDGE CONNECTOR



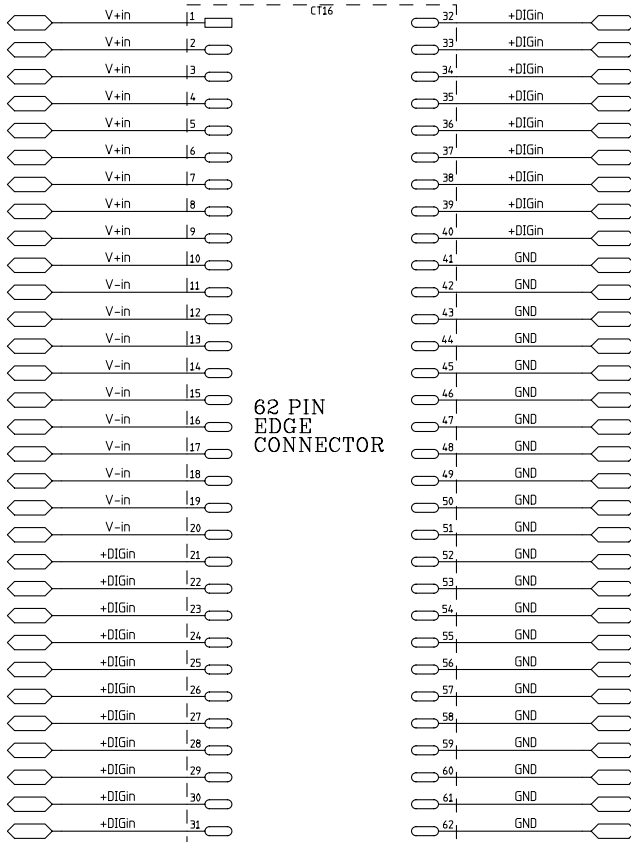
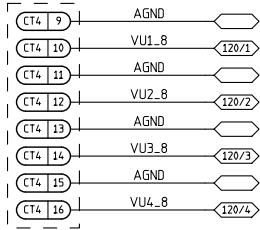
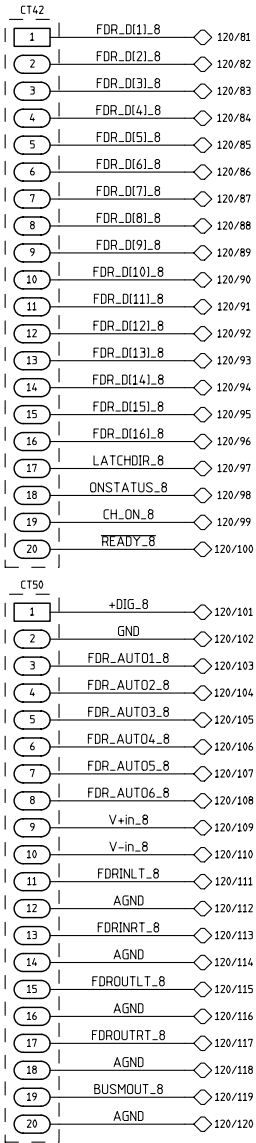
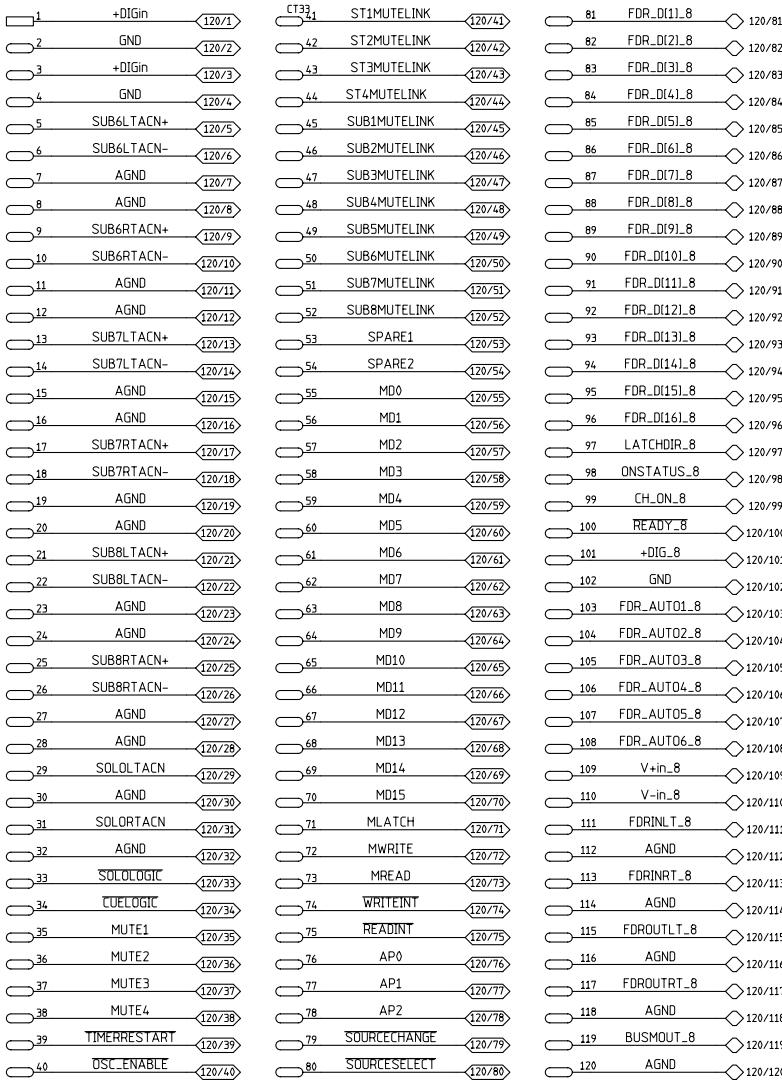
CONTRACT NO.		MBM-1000			
APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 9-28-99			
CHECKED					
ISSUED					
W # 700267		SIZE D	FSCM NO.	DWG. NO. 45S0026A	REV
		SCALE	MBM-1000A PCB		SHEET 7 OF 10


EDGE CONNECTORS BUSS CHART

120 PIN EDGE CONNECTOR

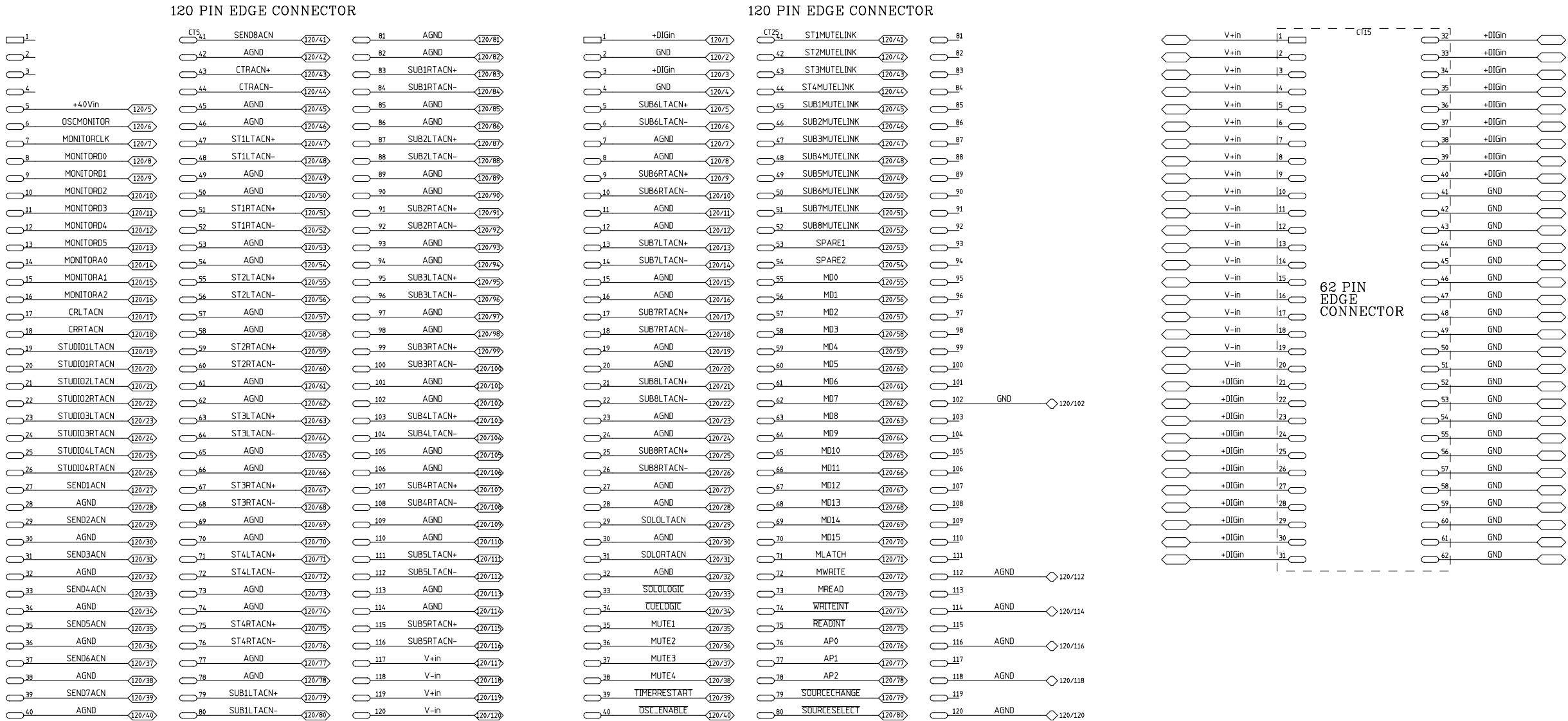


120 PIN EDGE CONNECTOR



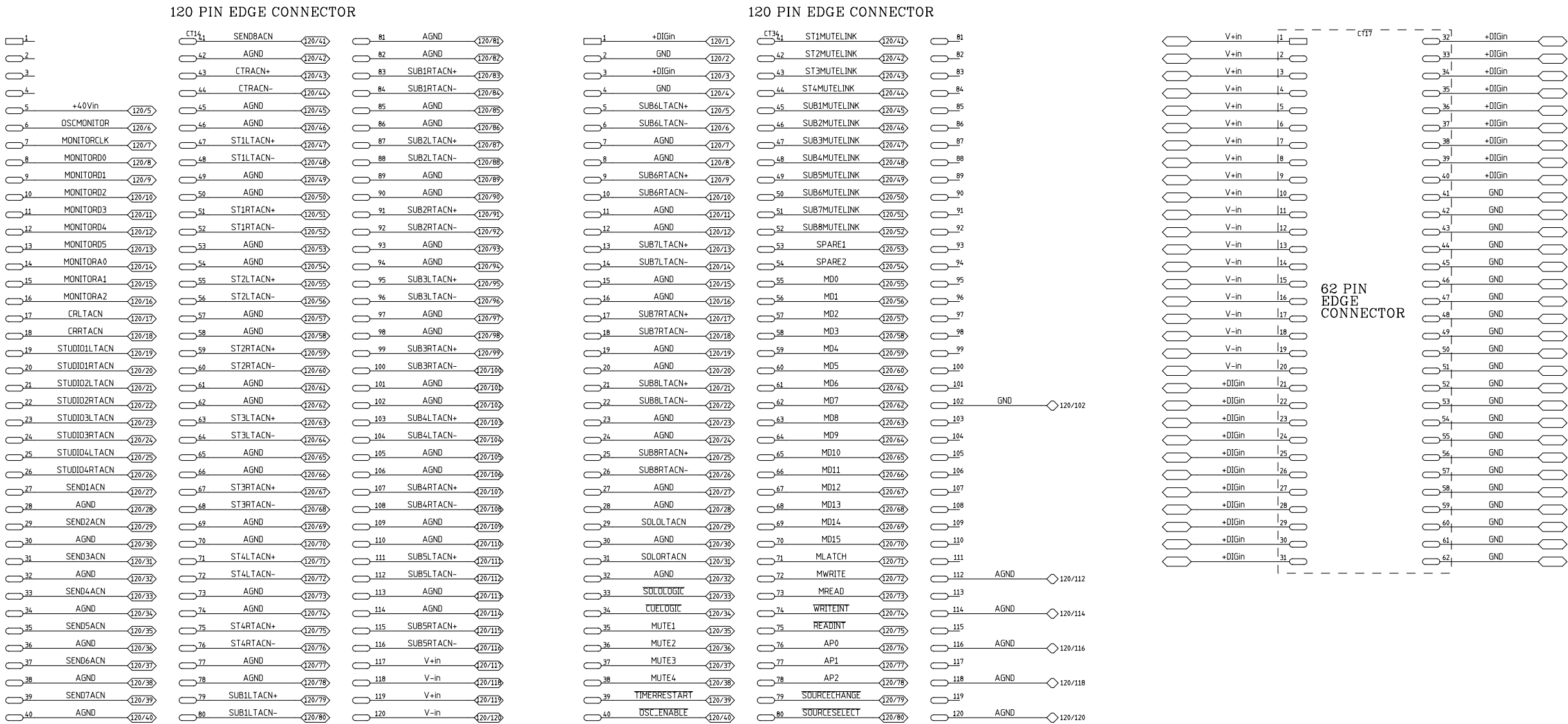
CONTRACT NO.		MBM-1000			
APPROVALS	DATE	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 9-28-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0027A	REV
W# 700267		SCALE	MBM-1000A PCB	SHEET 8 OF 10	

EDGE CONNECTORS BUSS CHART




CONTRACT NO.		MBM-1000			
APPROVALS	DATE	<div>Wheatstone Corporation</div> 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 9-28-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0028A	REV
W # 700267		SCALE	MBM-1000A PCB		SHEET 9 OF 10

EDGE CONNECTORS BUSS CHART

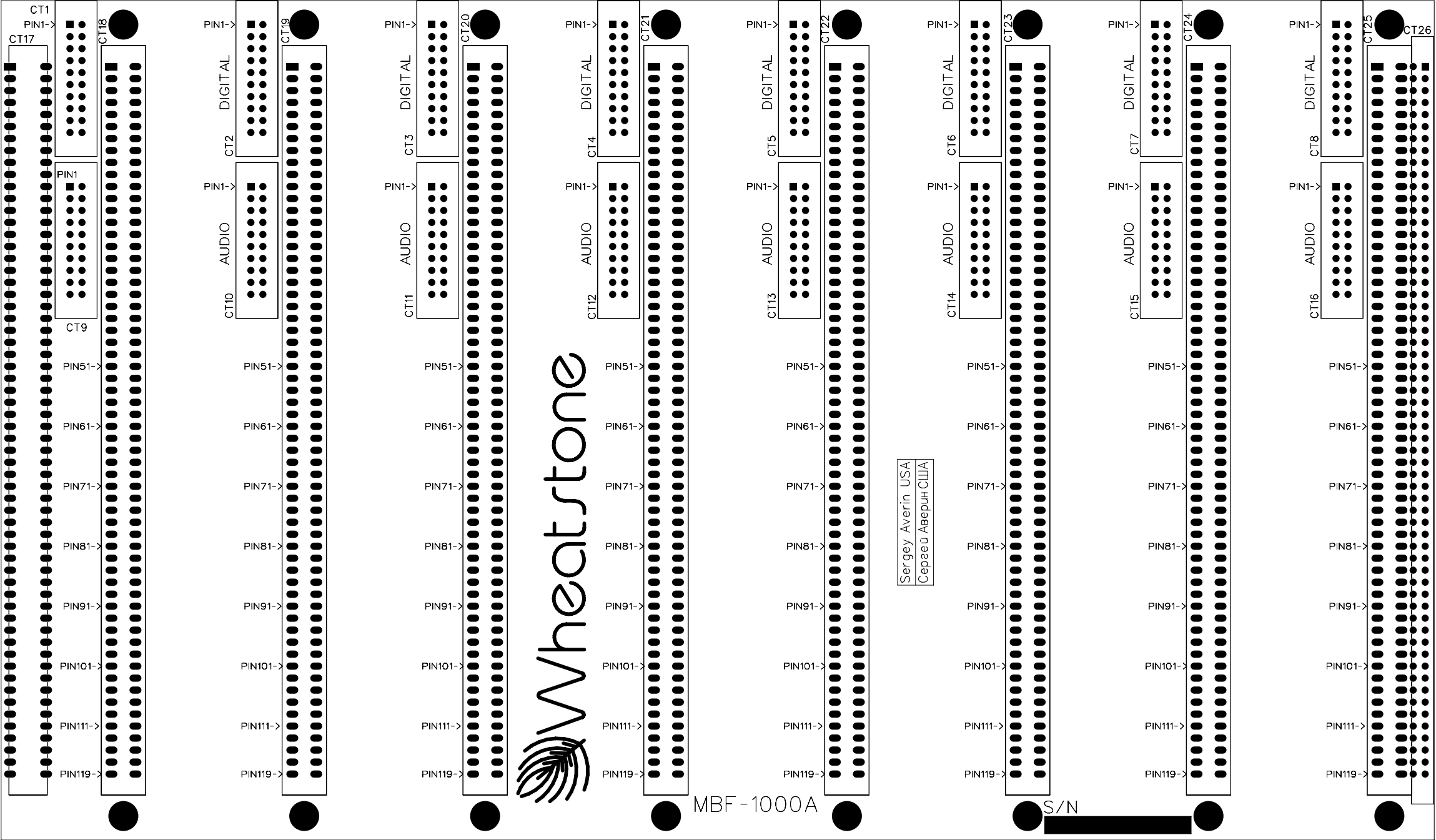


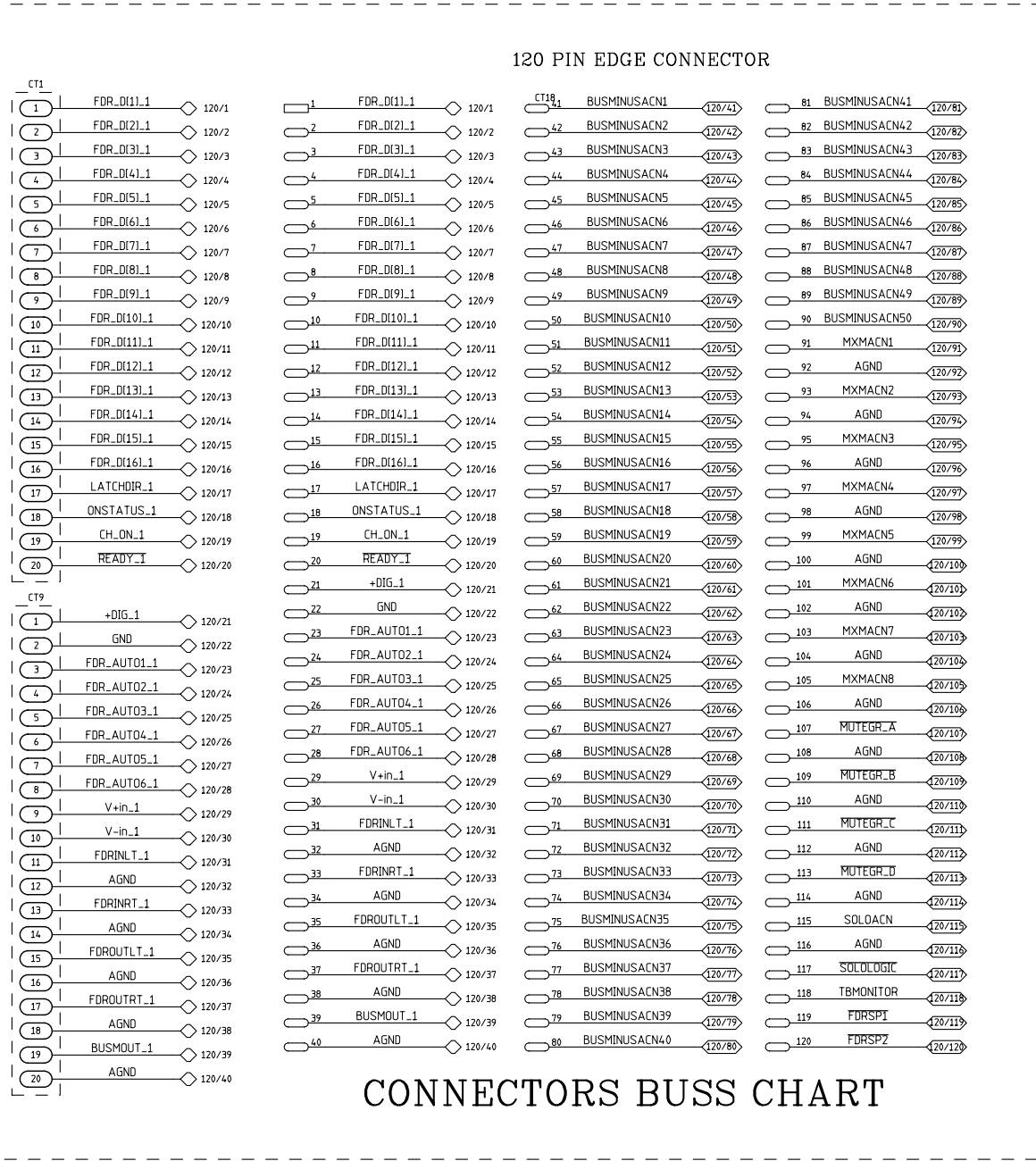
62 PIN EDGE CONNECTOR

V+in	1	CT17	32	+DIGin
V+in	2	33	+DIGin	
V+in	3	34	+DIGin	
V+in	4	35	+DIGin	
V+in	5	36	+DIGin	
V+in	6	37	+DIGin	
V+in	7	38	+DIGin	
V+in	8	39	+DIGin	
V+in	9	40	+DIGin	
V+in	10	41	GND	
V-in	11	42	GND	
V-in	12	43	GND	
V-in	13	44	GND	
V-in	14	45	GND	
V-in	15	46	GND	
V-in	16	47	GND	
V-in	17	48	GND	
V-in	18	49	GND	
V-in	19	50	GND	
V-in	20	51	GND	
+DIGin	21	52	GND	
+DIGin	22	53	GND	
+DIGin	23	54	GND	
+DIGin	24	55	GND	
+DIGin	25	56	GND	
+DIGin	26	57	GND	
+DIGin	27	58	GND	
+DIGin	28	59	GND	
+DIGin	29	60	GND	
+DIGin	30	61	GND	
+DIGin	31	62	GND	

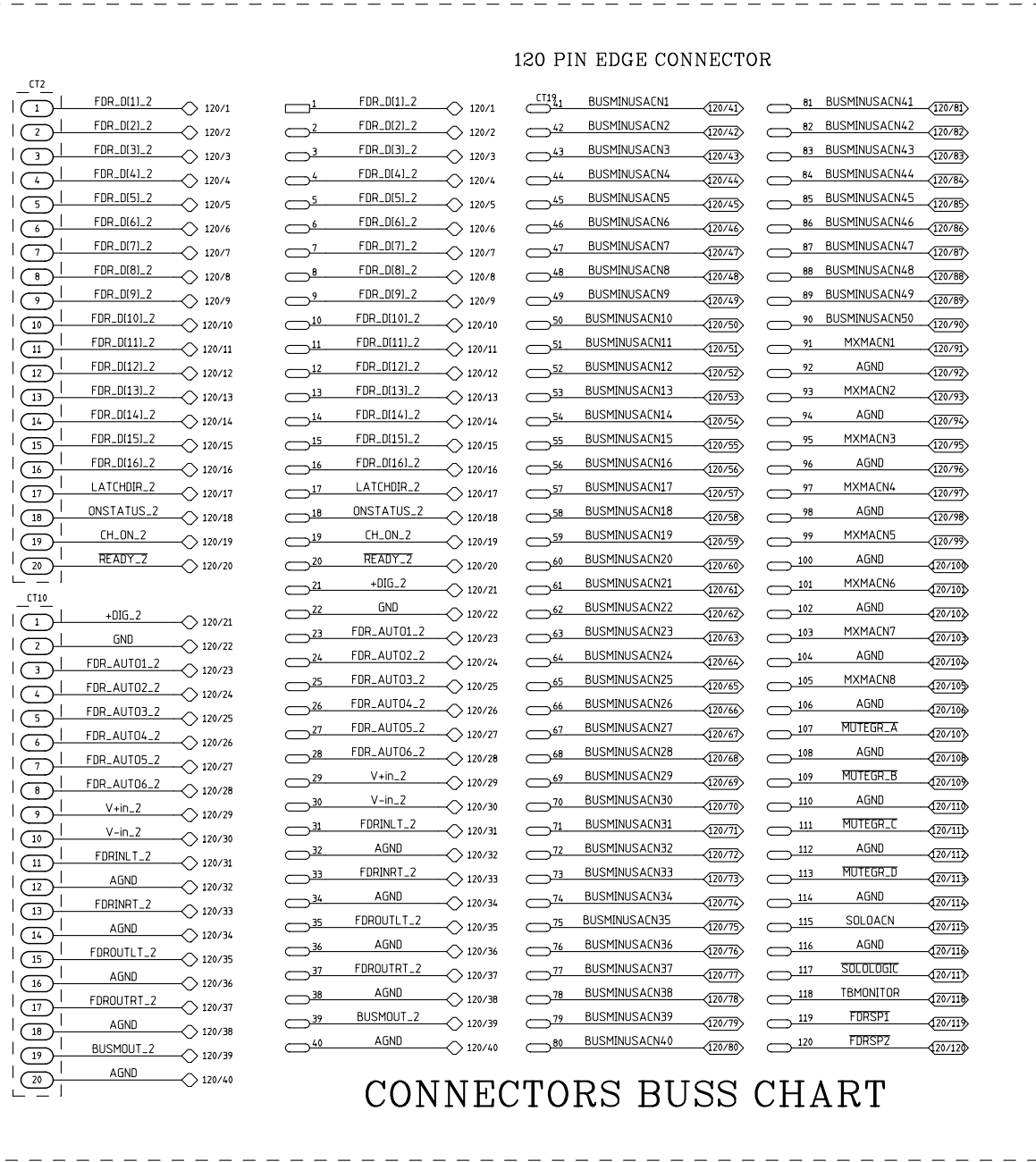
CONTRACT NO.		MBM-1000			
APPROVALS		DATE		 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN		SA 9-28-99			
CHECKED					
ISSUED					
W* 700267		SIZE D	FSCM NO.	DWG. NO. 45S0029A	REV
		SCALE	MBM-1000A PCB		SHEET 10 OF 10






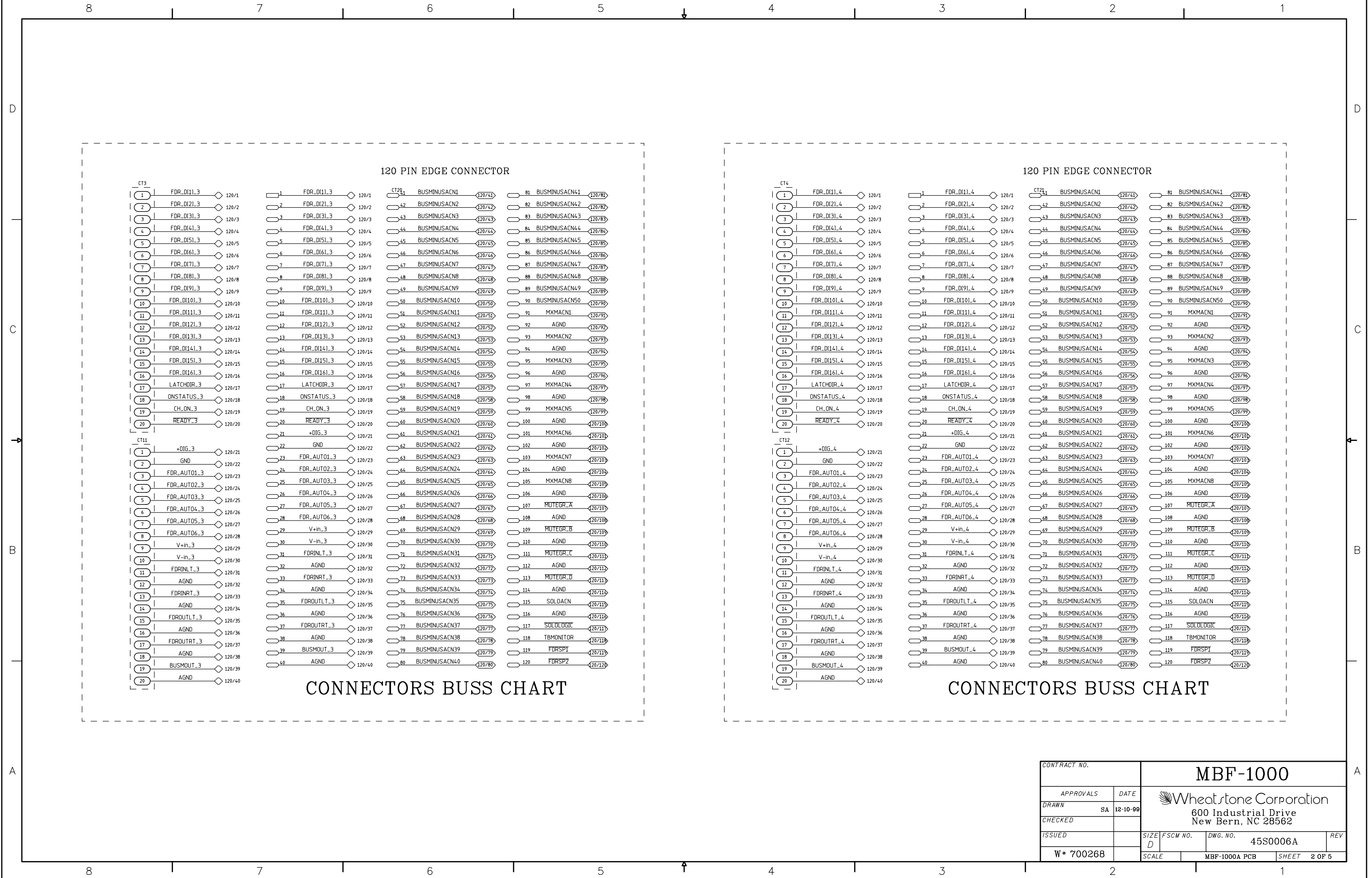


CONNECTORS BUSS CHART

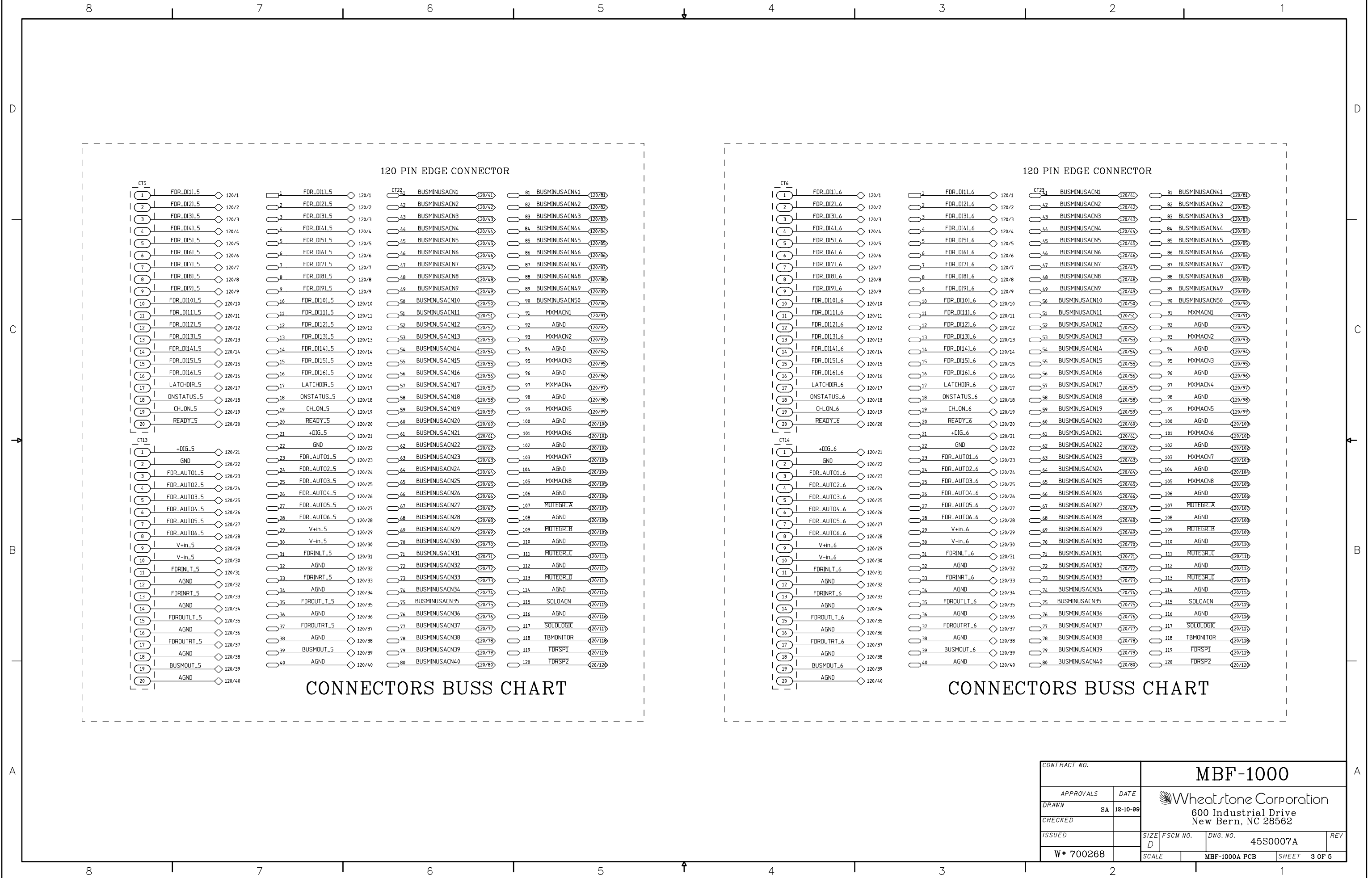


CONNECTORS BUSS CHART

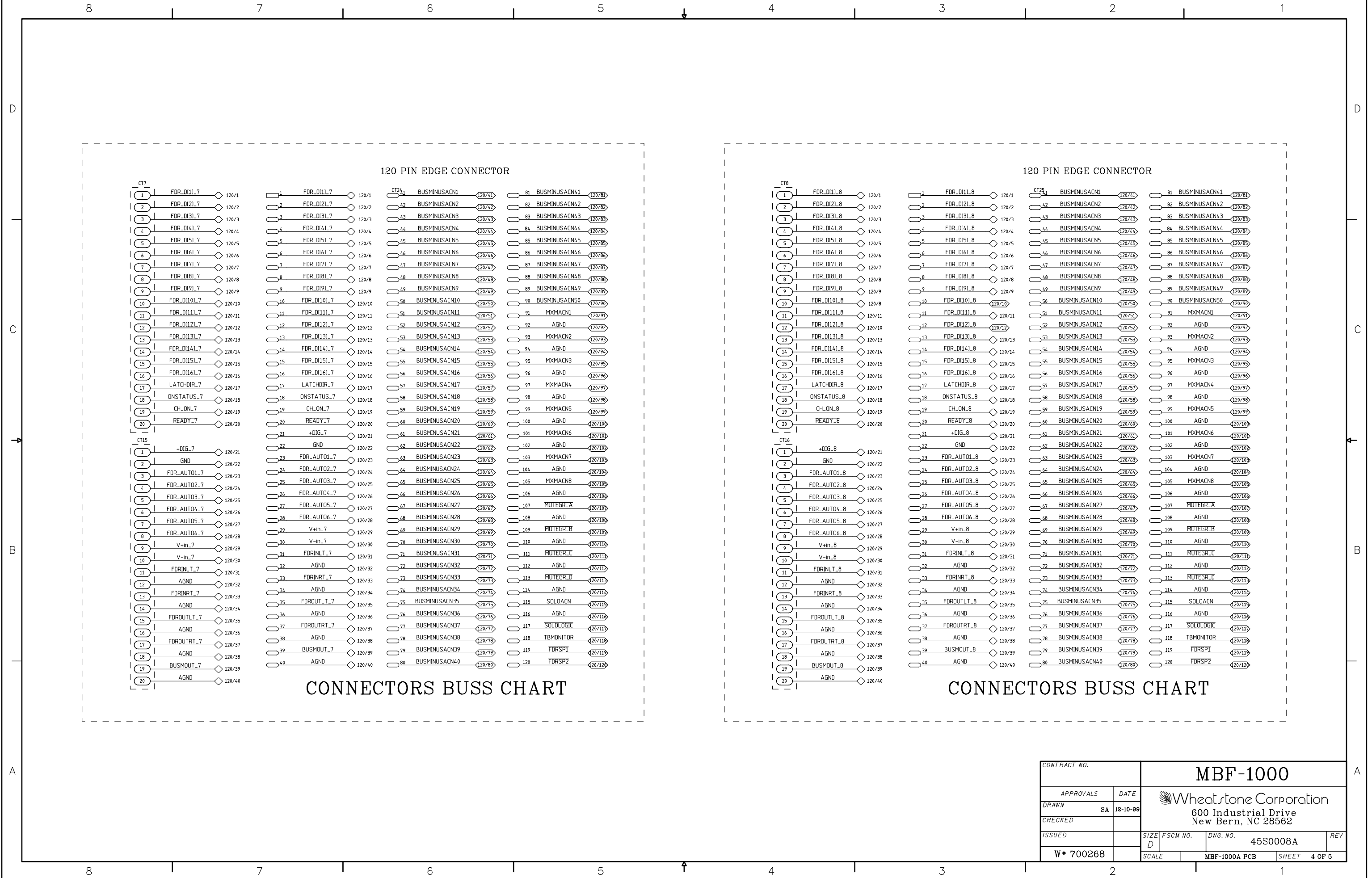
CONTRACT NO.		MBF-1000			
APPROVALS	DATE	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562			
DRAWN SA	12-10-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0005A	REV
W # 700268		SCALE	MBF-1000A PCB	SHEET 1 OF 5	




CONTRACT NO.		MBF-1000			
APPROVALS	DATE	<div>Wheatstone Corporation</div> 600 Industrial Drive New Bern, NC 28562			
DRAWN	SA 12-10-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0006A	REV
W # 700268		SCALE	MBF-1000A PCB		SHEET 2 OF 5

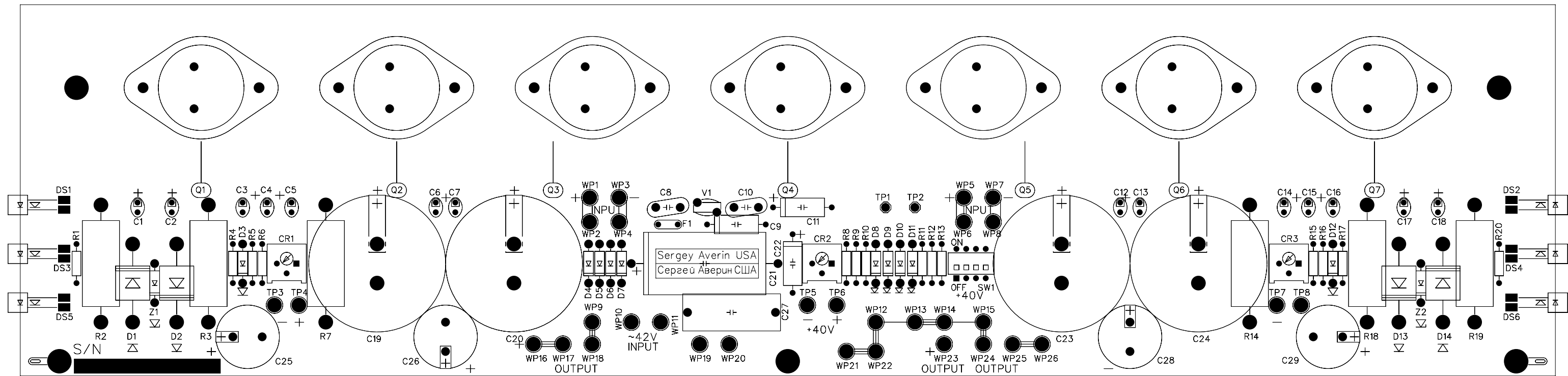


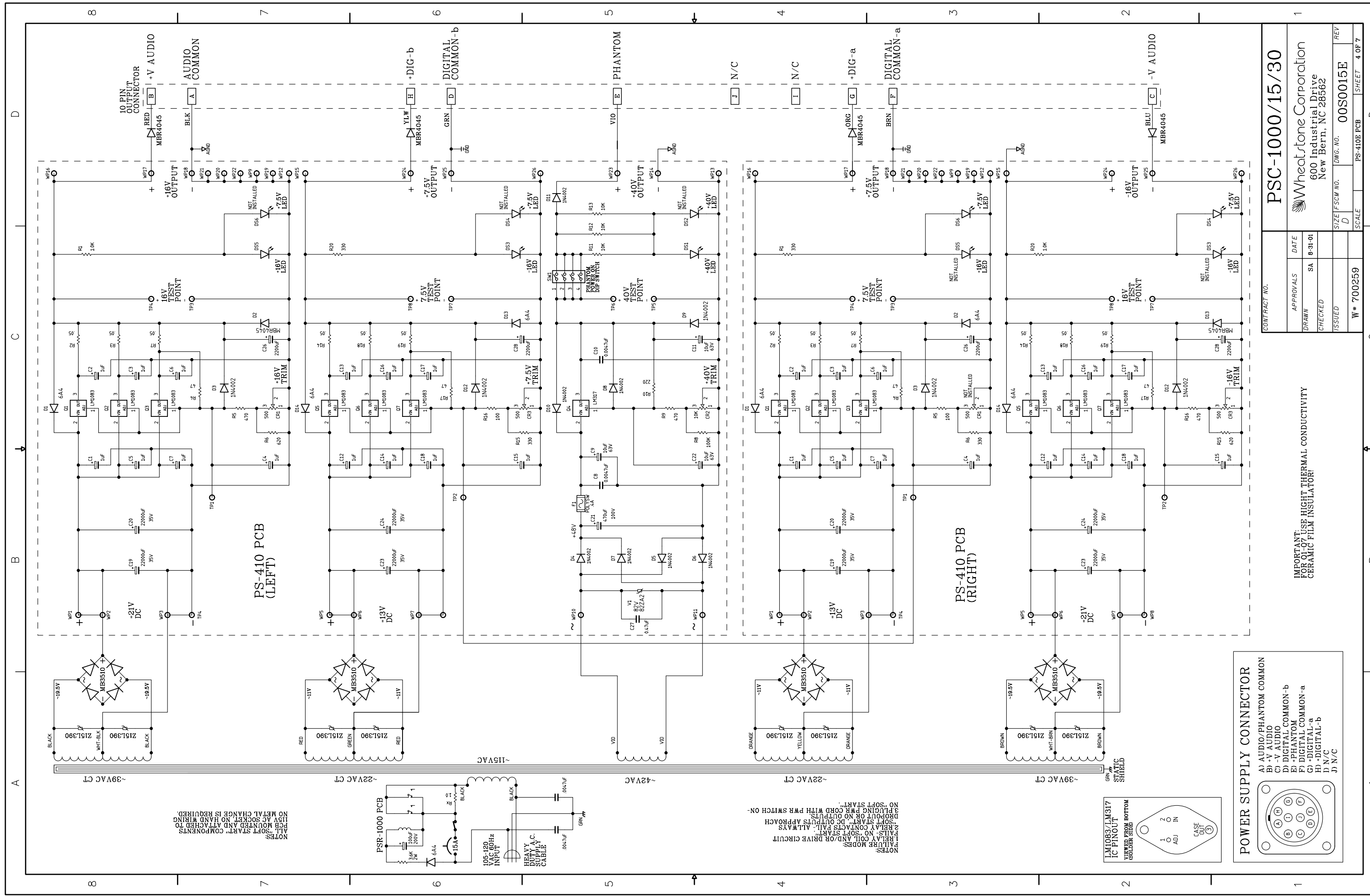
CONTRACT NO.		MBF-1000			
APPROVALS	DATE	<div>Wheatstone Corporation</div> <div>600 Industrial Drive</div> <div>New Bern, NC 28562</div>			
DRAWN	SA 12-10-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0007A	REV
W # 700268		SCALE	MBF-1000A PCB		SHEET 3 OF 5



CONTRACT NO.		MBF-1000			
APPROVALS	DATE	<div>Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562</div>			
DRAWN	SA 12-10-99				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO. 45S0008A	REV
W # 700268		SCALE	MBF-1000A PCB	SHEET	4 OF 5

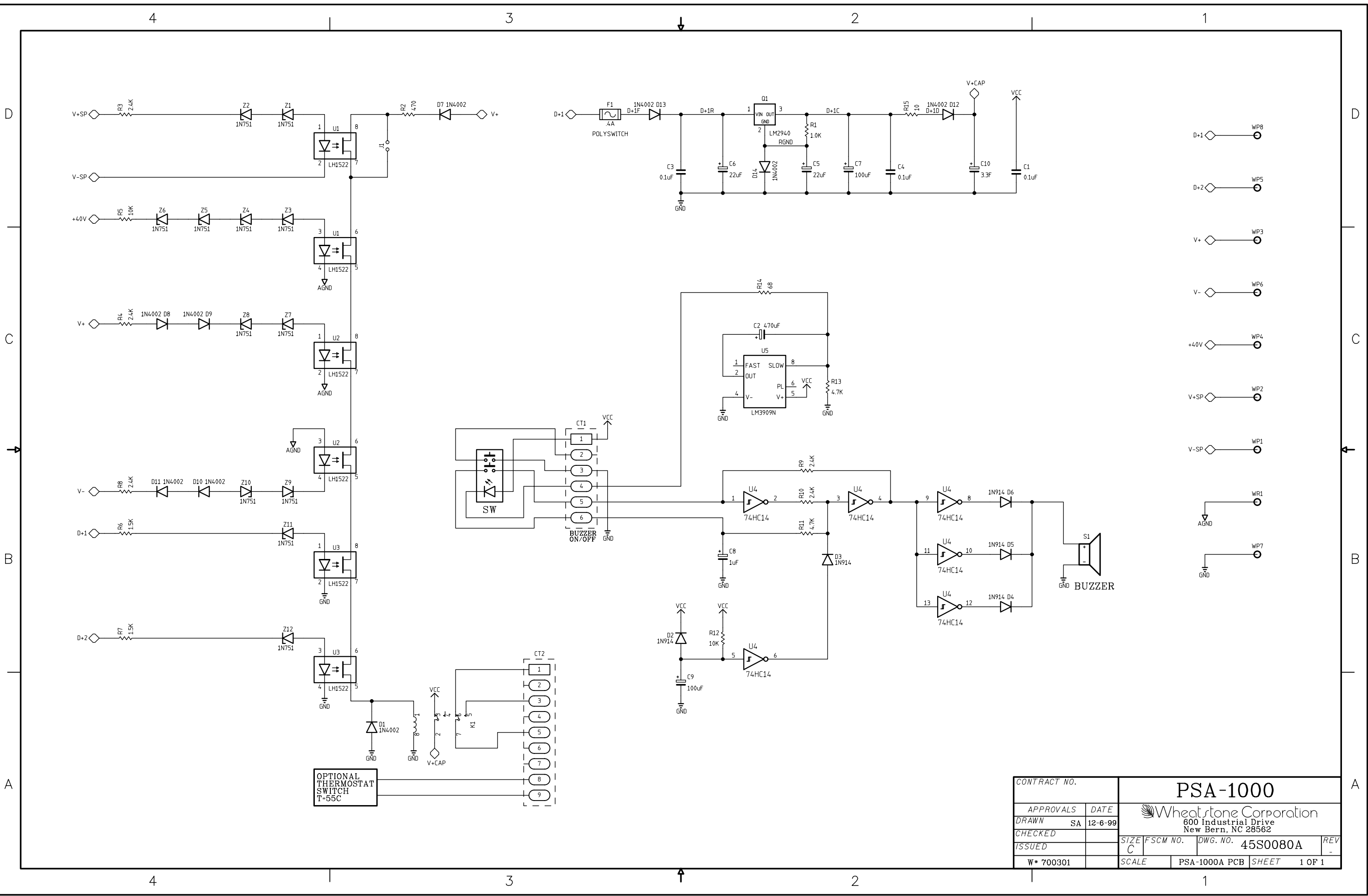






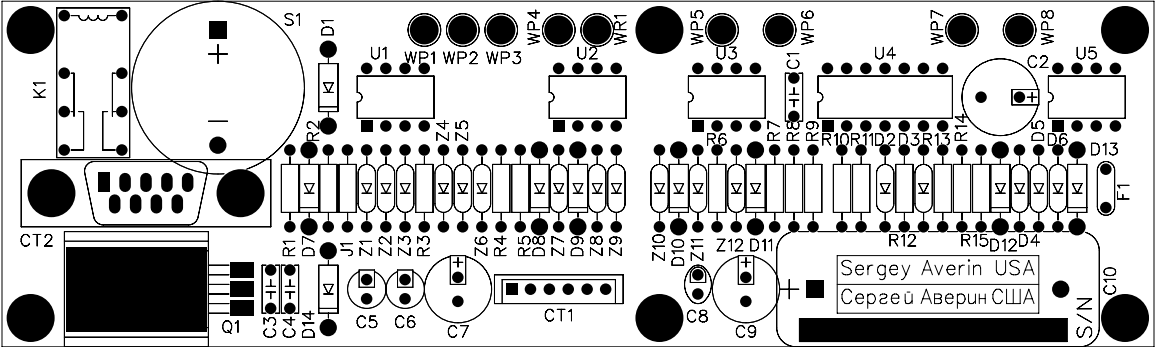
Power Supply Schematic - Sheet 1 of 1

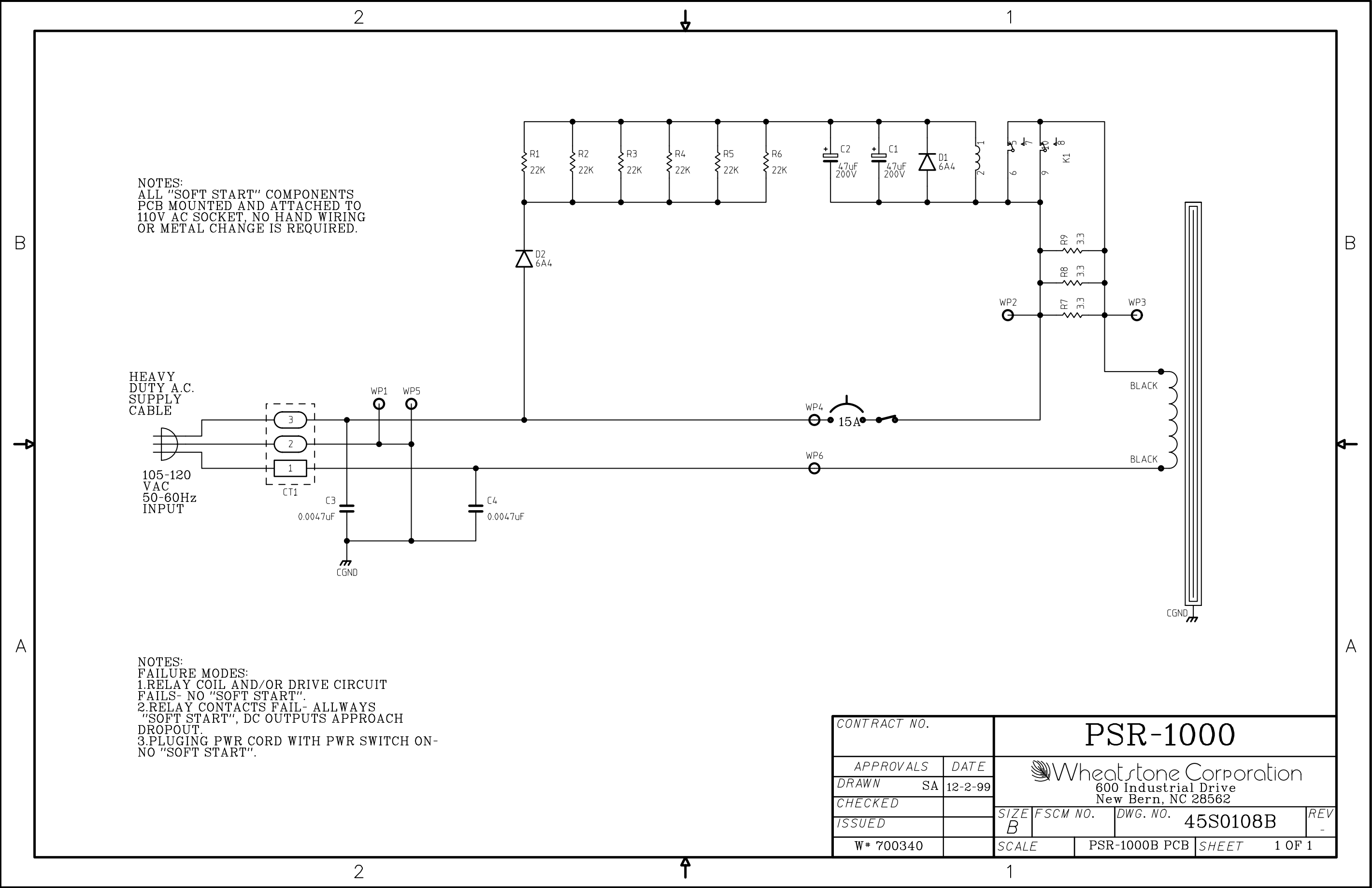




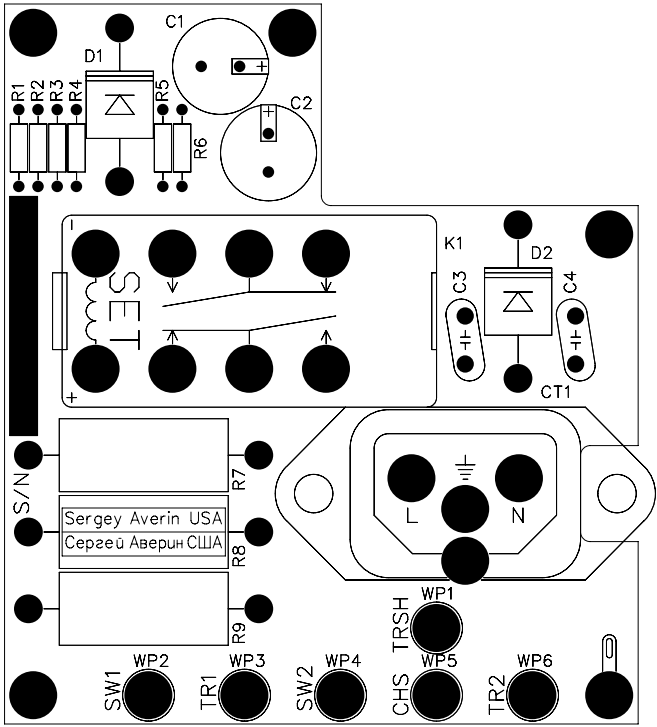
CONTRACT NO.		PSA-1000		
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562		
DRAWN SA	12-6-99			
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ISSUED		SCALE	PSA-1000A PCB	SHEET 1 OF 1
W* 700301				

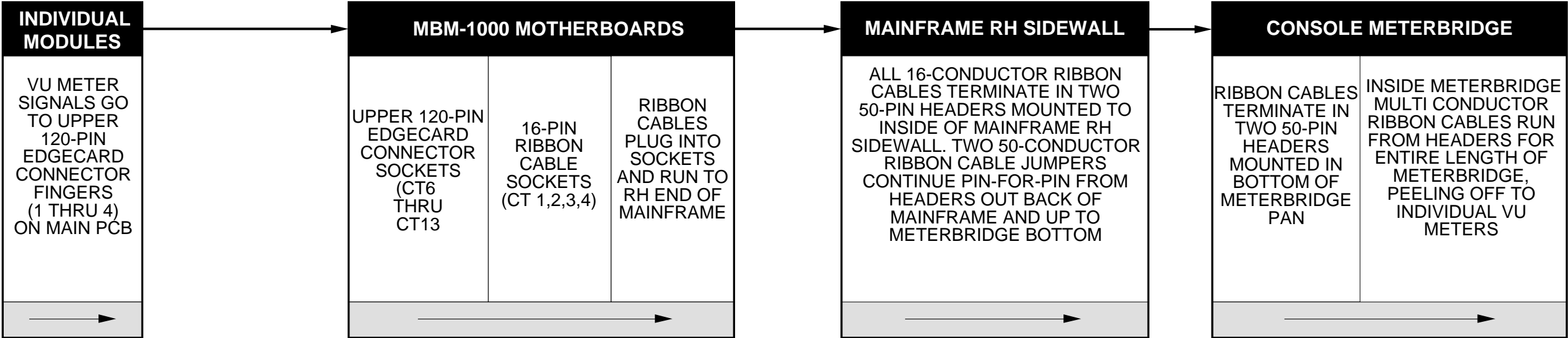
Power Supply Alarm Schematic - Sheet 1 of 1






Power Supply Relay Card Schematic - Sheet 1 of 1

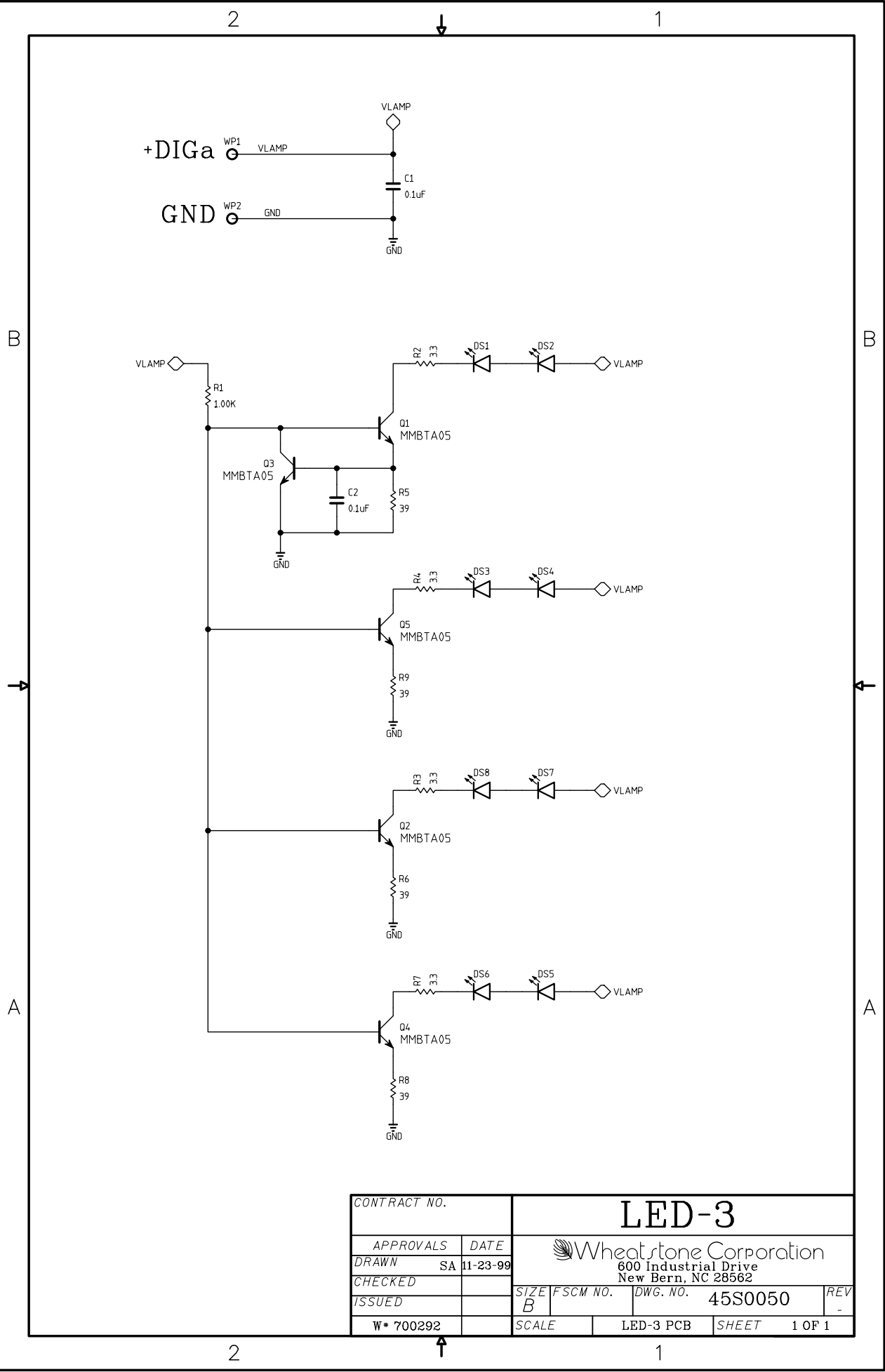




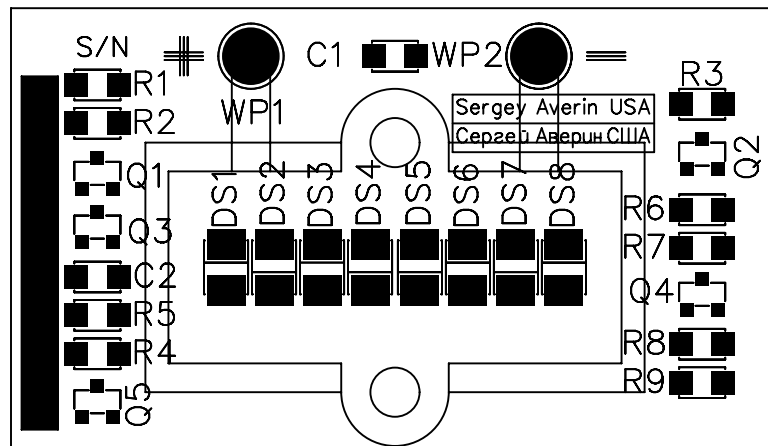
120-PIN UPPER EDGECARD CONNECTOR
<b>SUBMASTER MODULES:</b> PIN 1: SUBMASTER LEFT PIN 2: SUBMASTER RIGHT PIN 3: SEND PIN 4: MIX MINUS (optional) <b>STEREO MASTER MODULES:</b> PIN 1: STEREO MASTER LEFT PIN 2: STEREO MASTER RIGHT PIN 3: N/A PIN 4: N/A <b>CONTROL ROOM MODULE:</b> PIN 1: N/A PIN 2: N/A PIN 3: SOLO/CUE LEFT (feeds VO module)* PIN 4: SOLO/CUE RIGHT (feeds VO module)* <b>VO MODULE:</b> 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

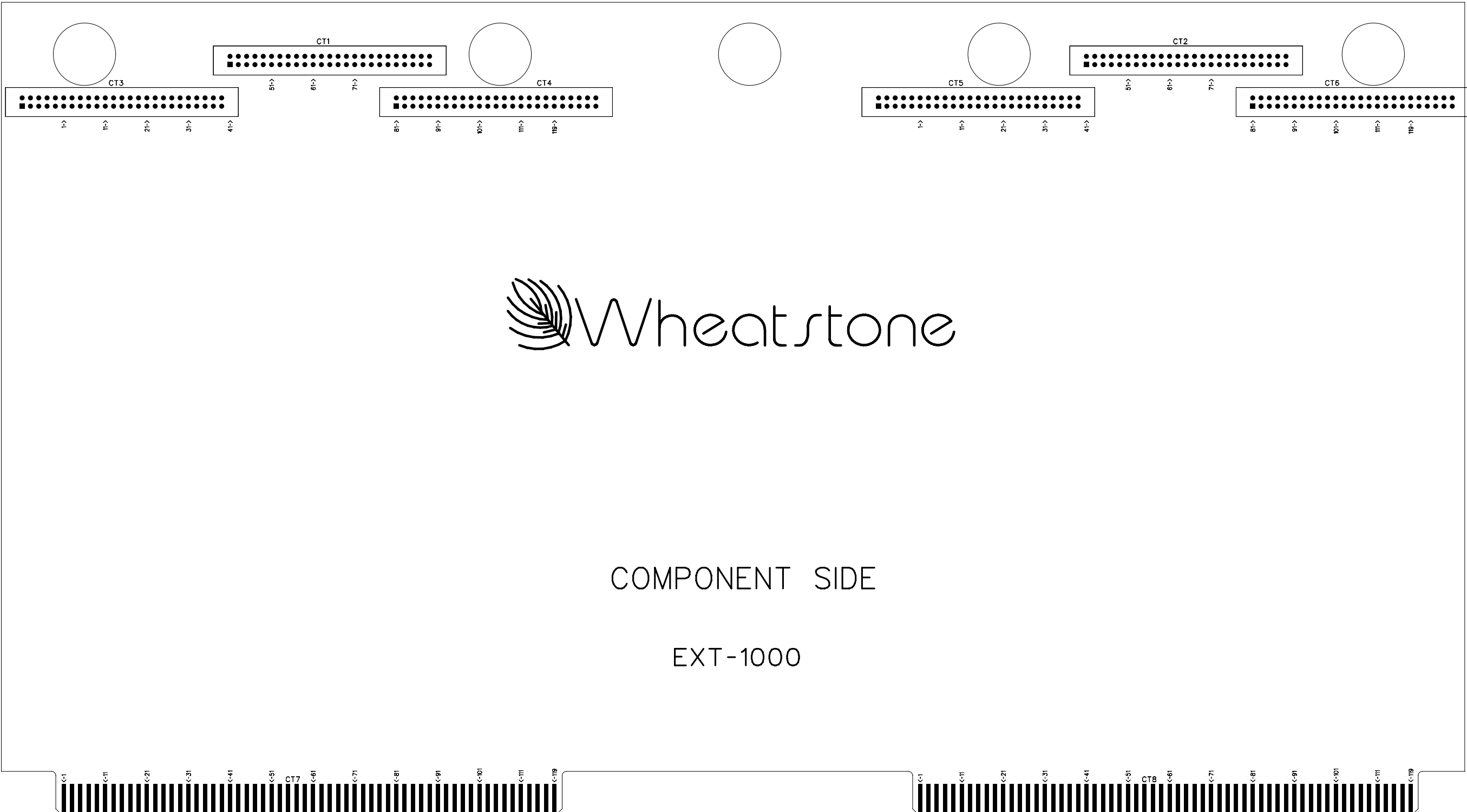
MOTHERBOARD CONNECTIONS 120-PIN TO 16-PIN CONNECTOR SOCKETS
Each 16-pin ribbon cable socket accepts signals from TWO 120-pin edgecard connectors
<b>EVEN numbered 120-pin connectors (CT6,8,10,12):</b> 120-Pin #1 goes to 16-Pin #2 120-Pin #2 goes to 16-Pin #4 120-Pin #3 goes to 16-Pin #6 120-Pin #4 goes to 16-Pin #8 <b>ODD numbered 120-pin connectors (CT7,9,11,13):</b> 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
<b>16-PIN CONNECTOR SOCKETS:</b> all odd-numbered pins are audio ground

MAINFRAME METER WIRING		
Wheatstone TV-1000 Audio Console		
5-11-98	 Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
MS		

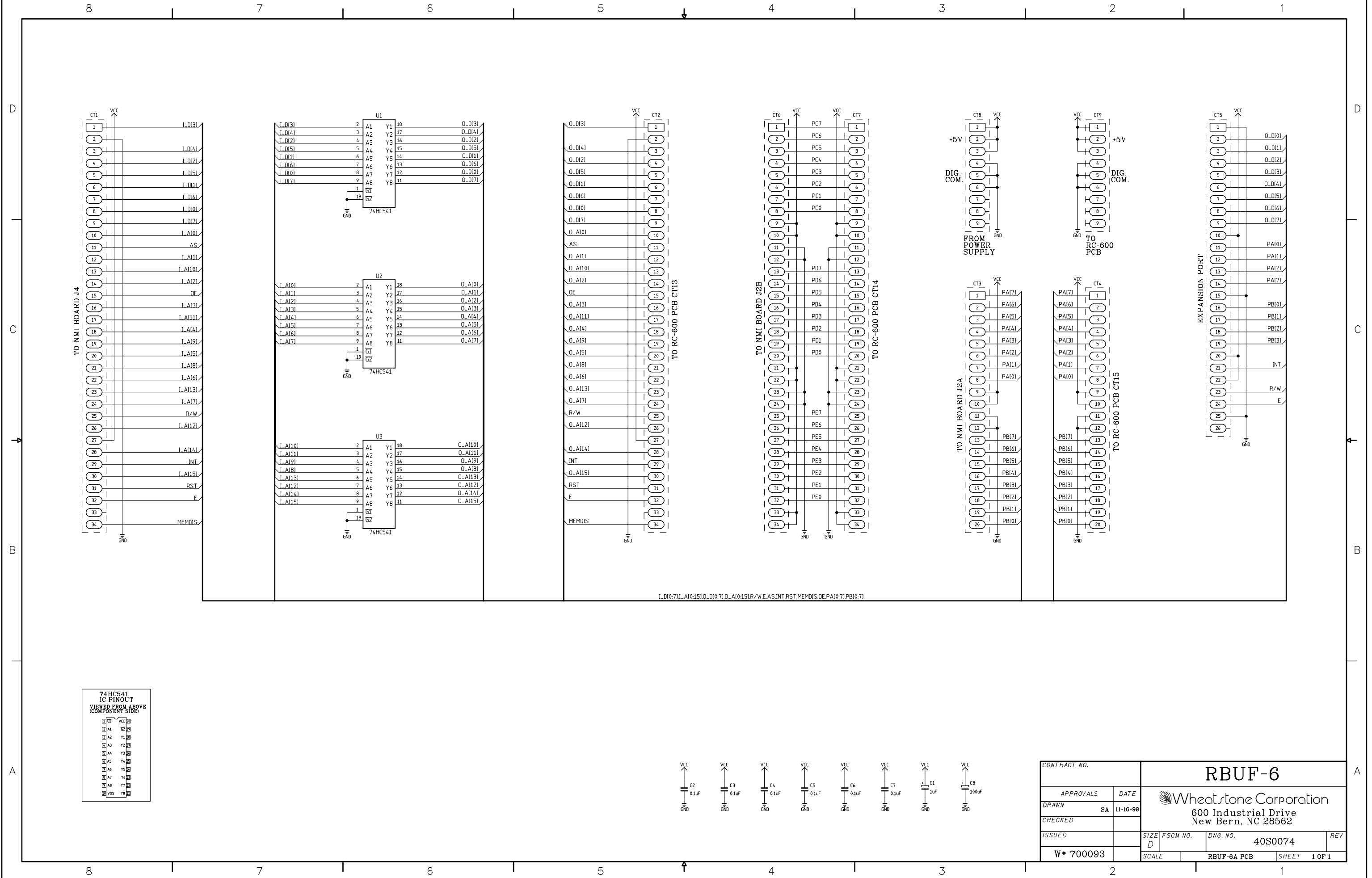


Meter Led Lamp Schematic -  
Sheet 1 of 1

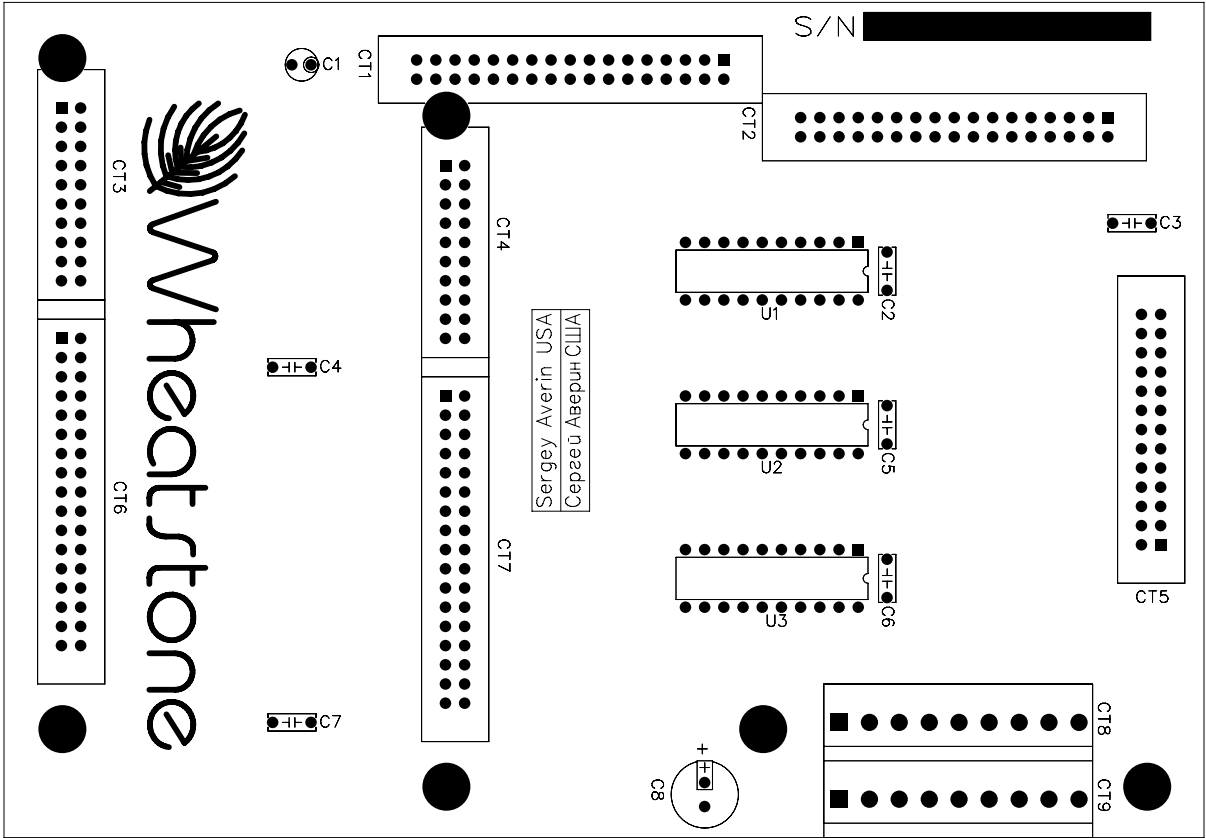








RBUF-6 RC Buffer Schematic - Sheet 1 of 1



74HC08  
IC PINOUT  
VIEWED FROM ABOVE  
(COMPONENT SIDE)

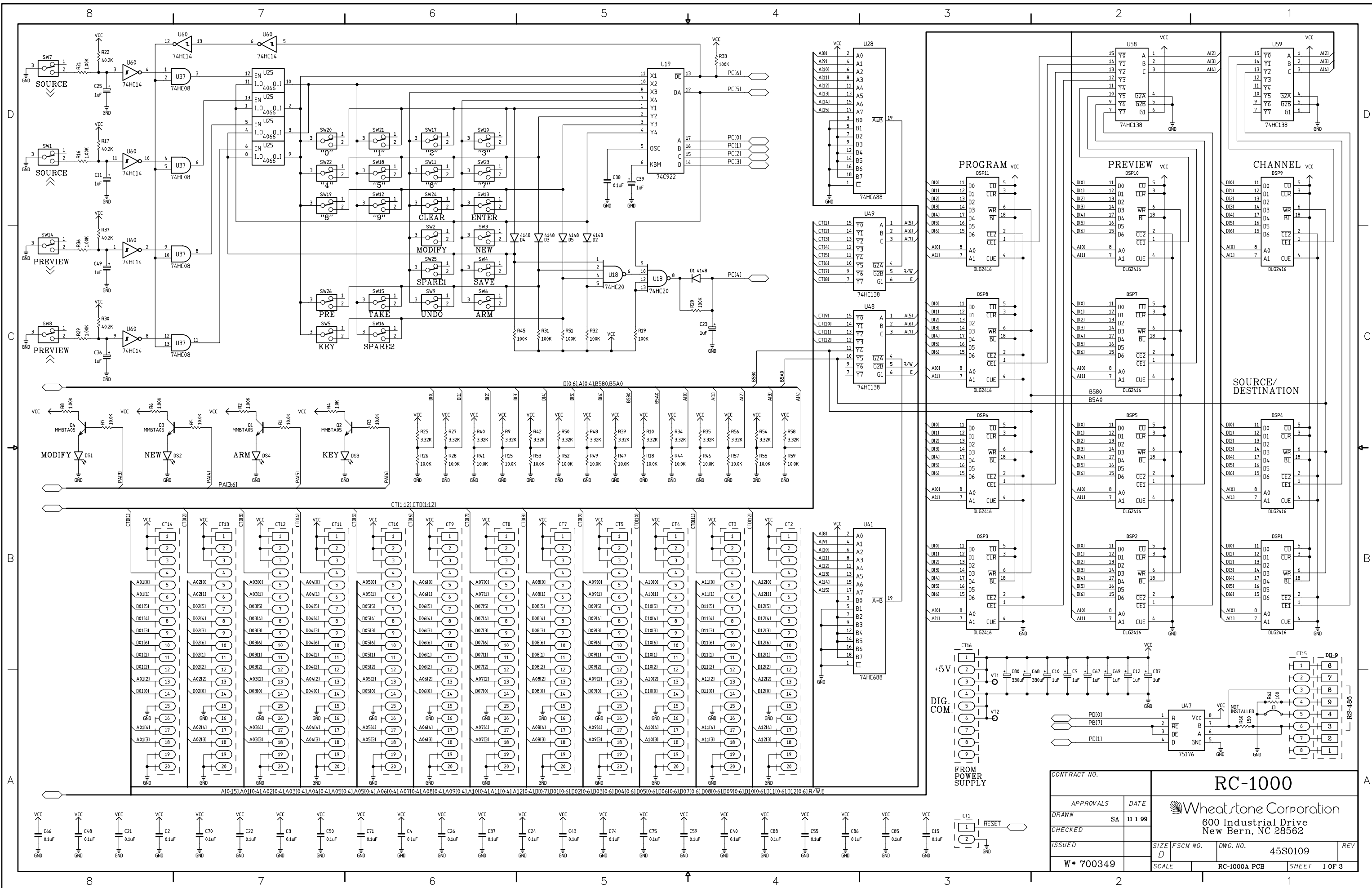
74HC04  
IC PINOUT  
VIEWED FROM ABOVE  
(COMPONENT SIDE)

74HC20  
IC PINOUT  
VIEWED FROM ABOVE  
(COMPONENT SIDE)

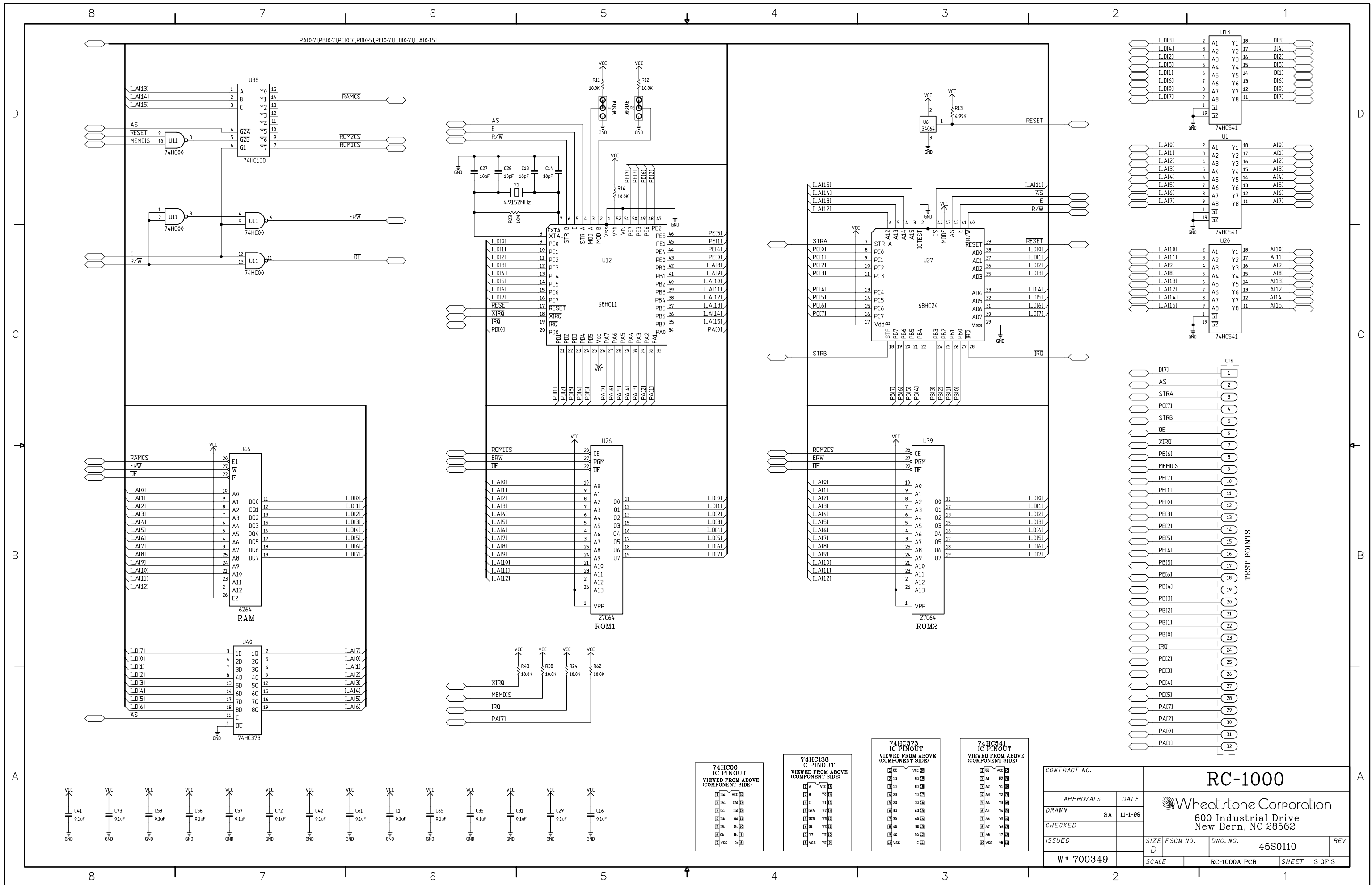
74C922  
IC PINOUT  
VIEWED FROM ABOVE  
(COMPONENT SIDE)

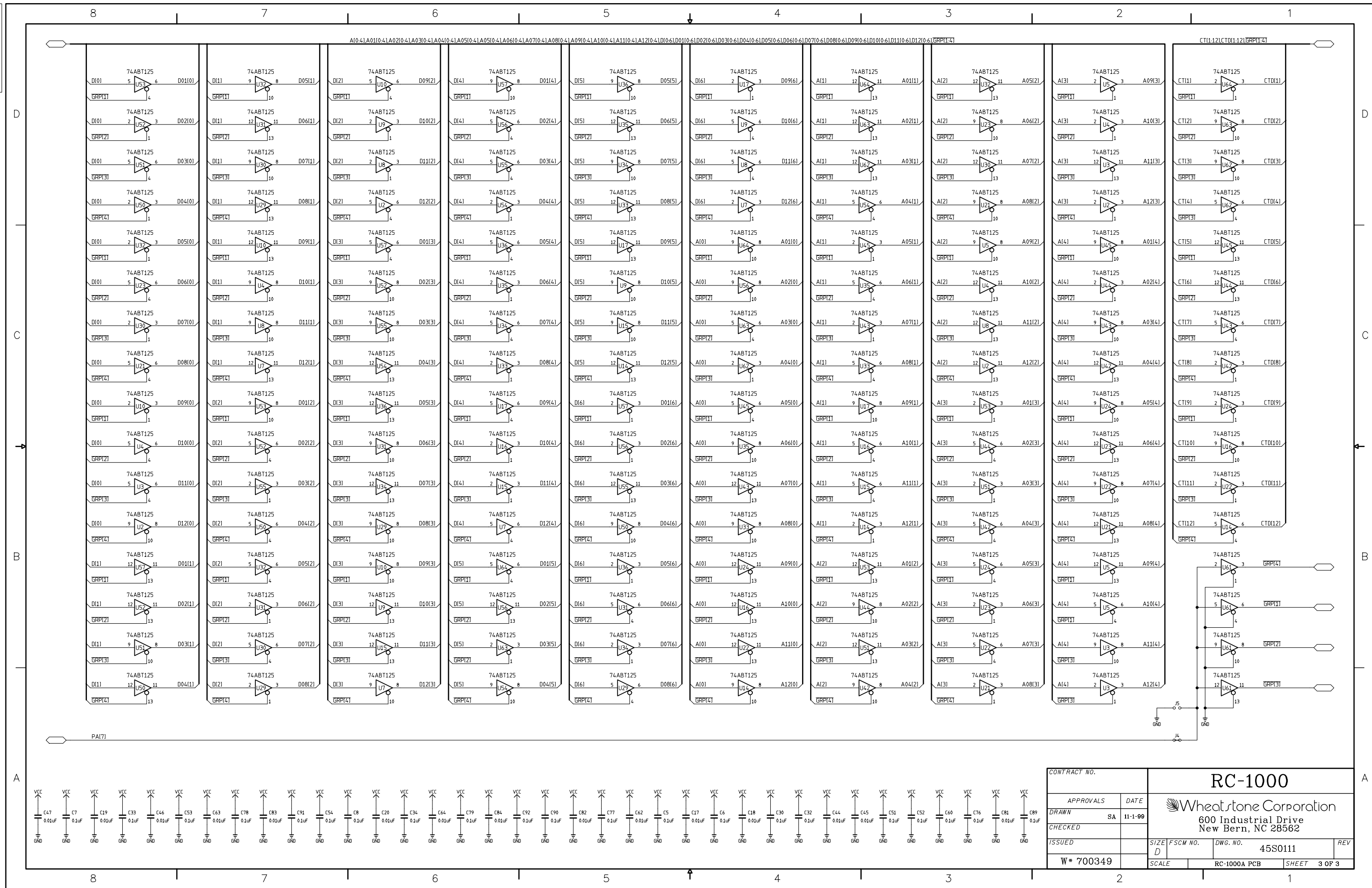
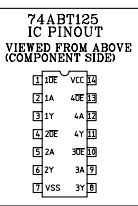
74HC688  
IC PINOUT  
VIEWED FROM ABOVE  
(COMPONENT SIDE)

74HC138  
IC PINOUT  
VIEWED FROM ABOVE  
(COMPONENT SIDE)

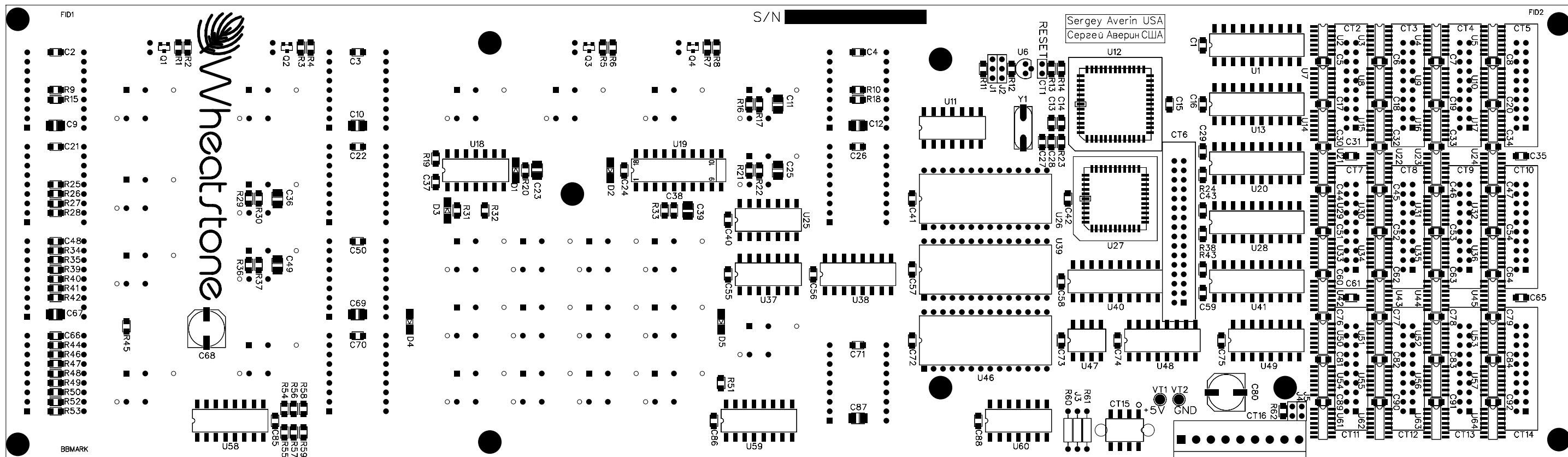


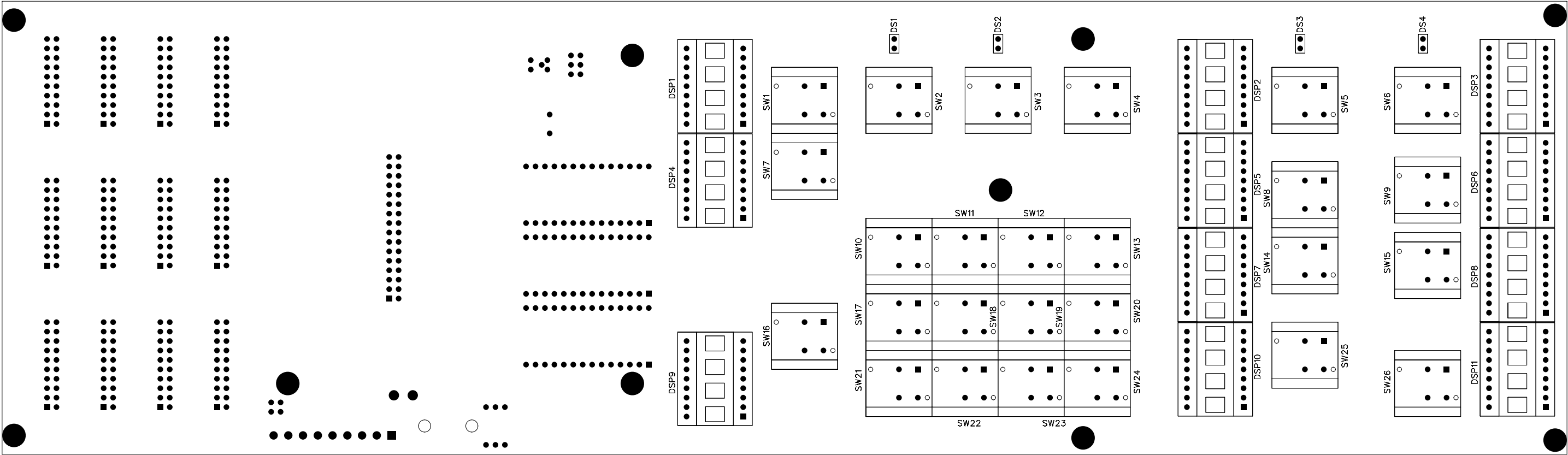
RC-1000 Router Controller Schematic - Sheet 1 of 3





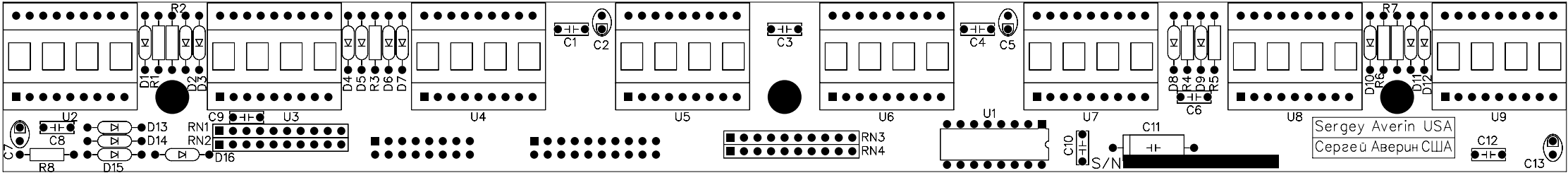
RC-1000 Router Controller Schematic - Sheet 3 of 3

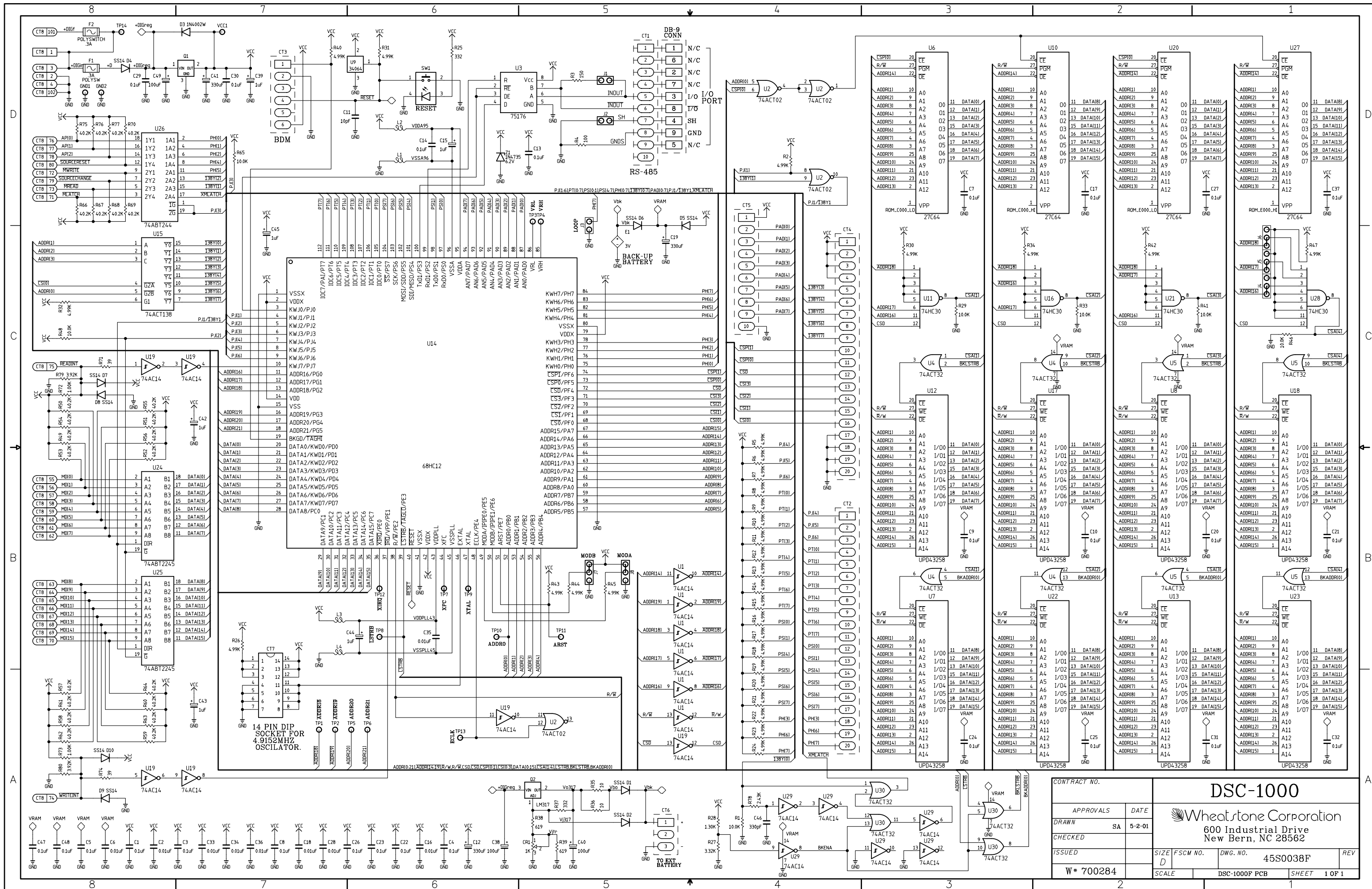




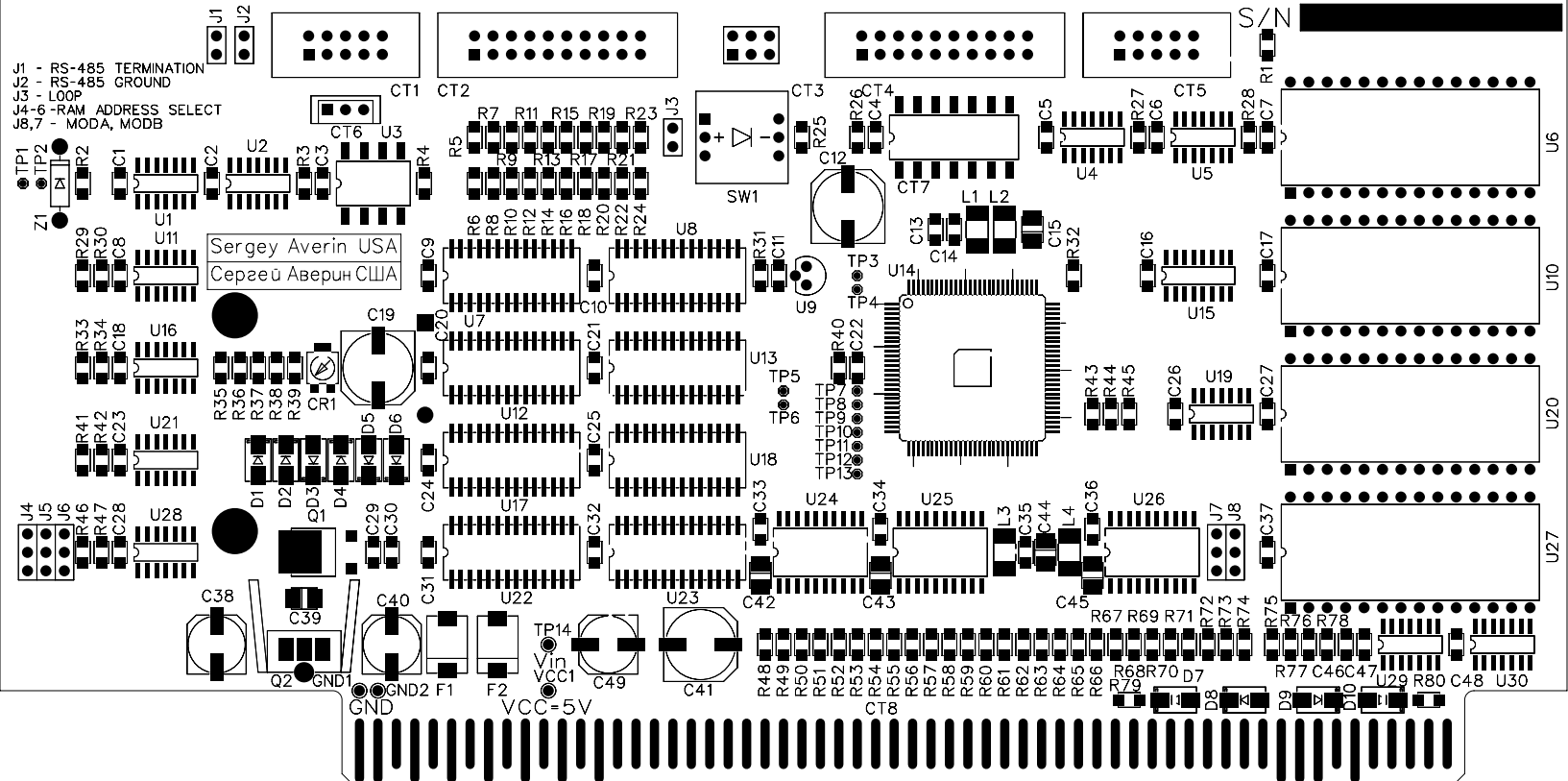


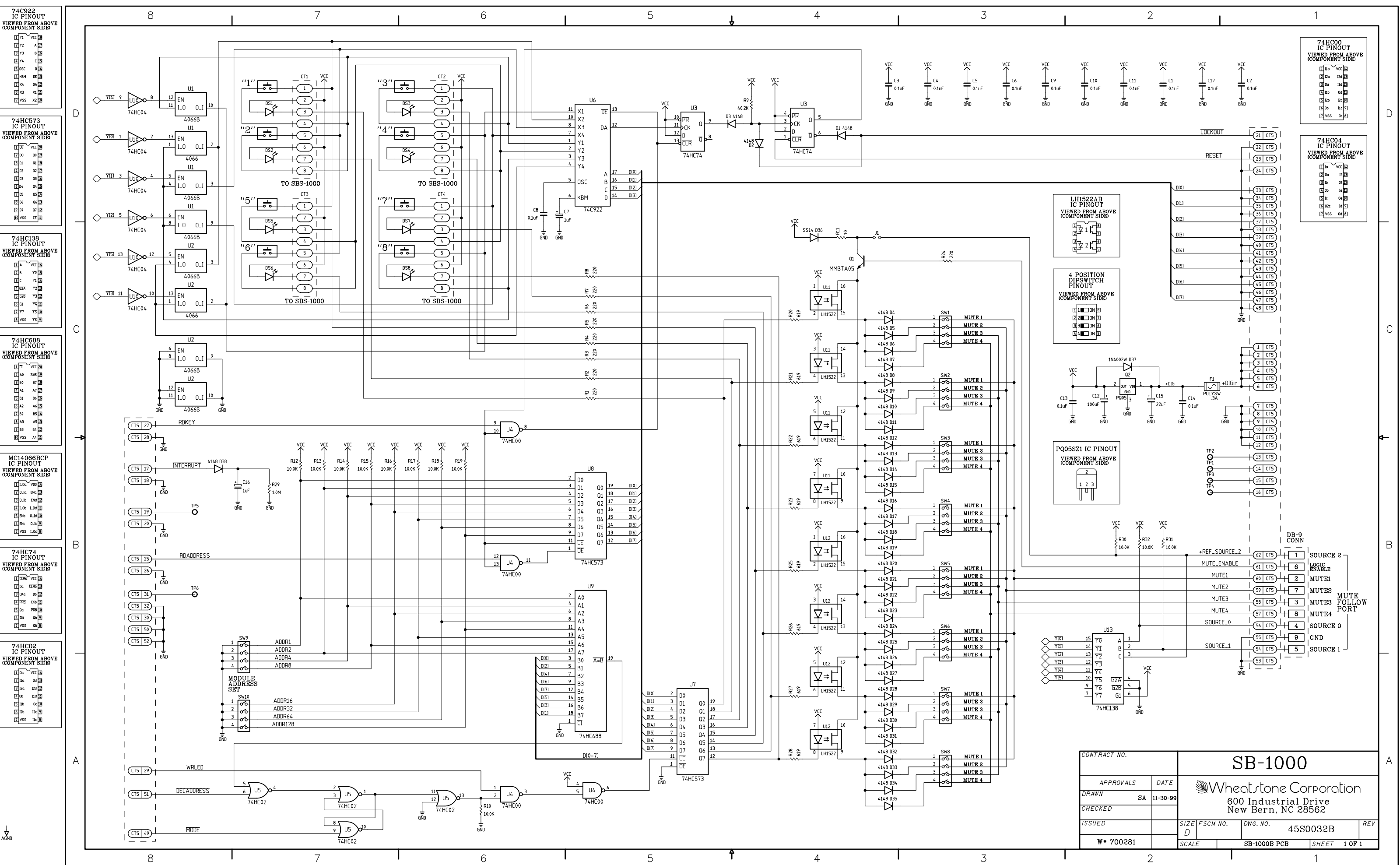




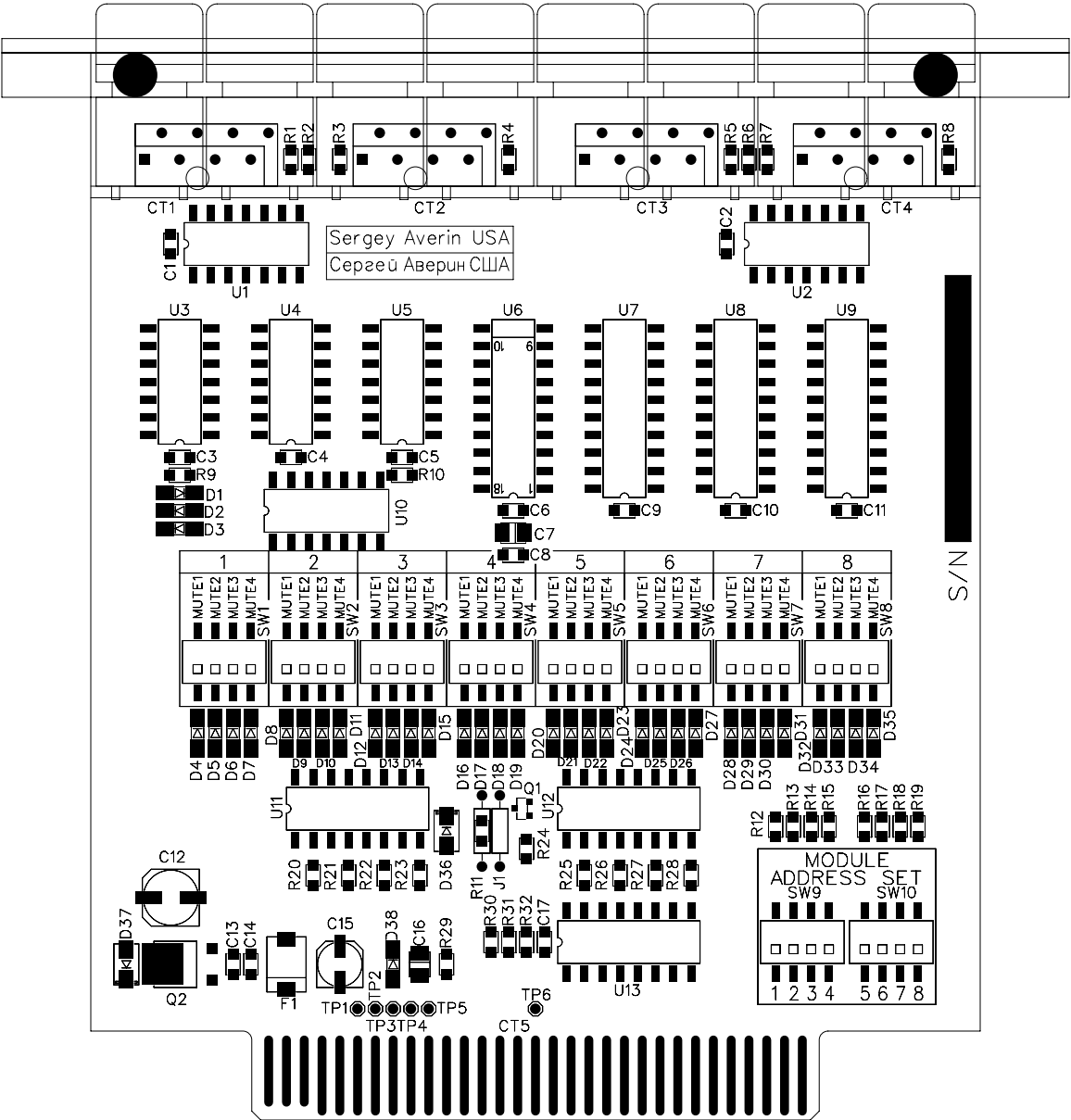
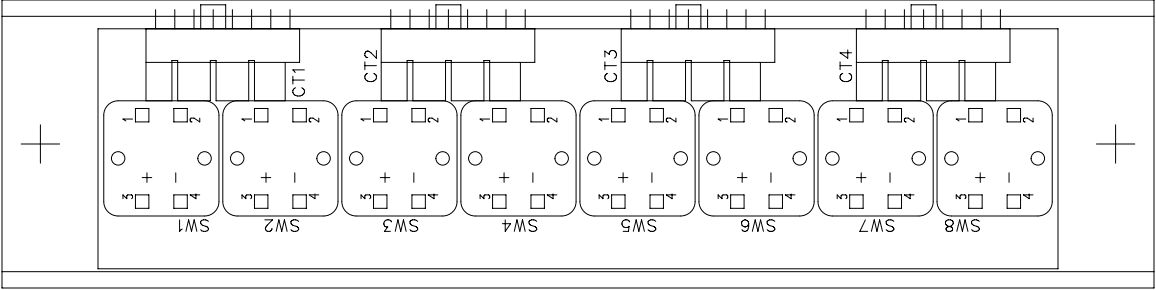


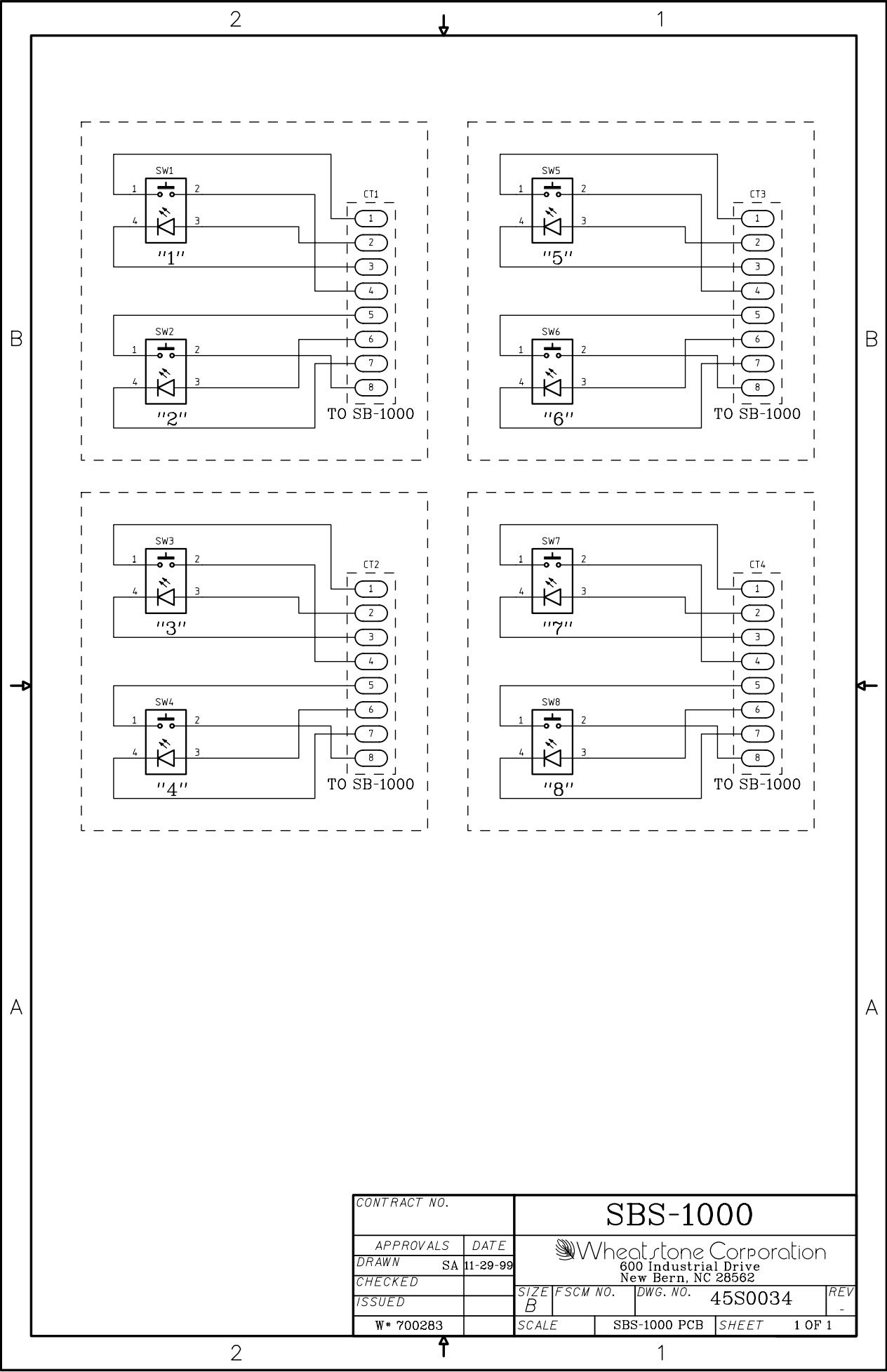
DSC-1000 Digital Switch Controller Schematic - Sheet 1 of 1





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

SIZE

FSCM NO.

DWG. NO.

45S0034

REV

-

CHECKED

ISSUED

W\* 700283

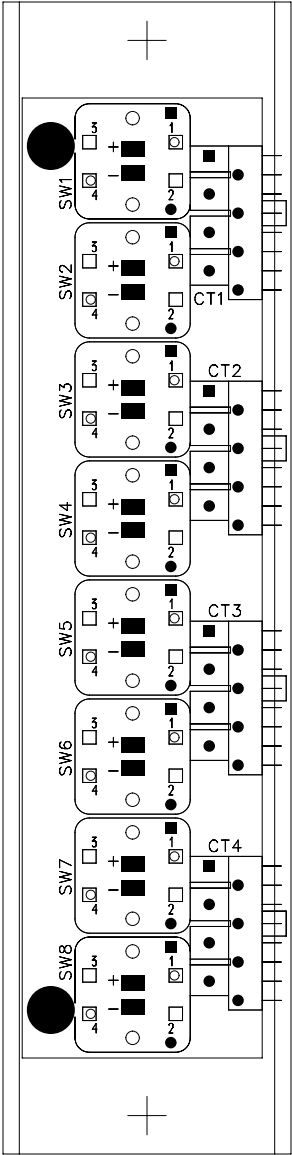
SCALE

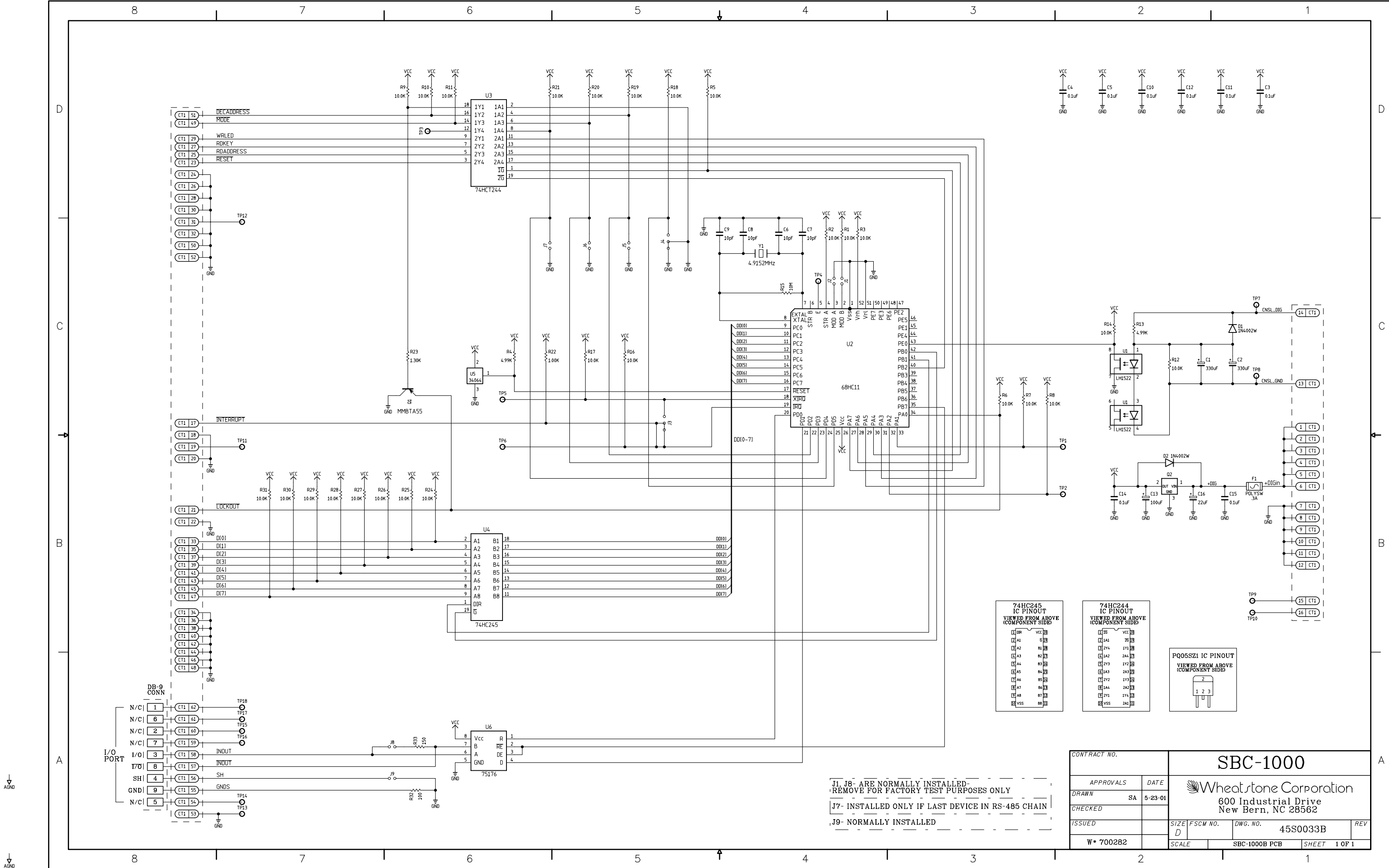
SBS-1000 PCB

SHEET

1 OF 1

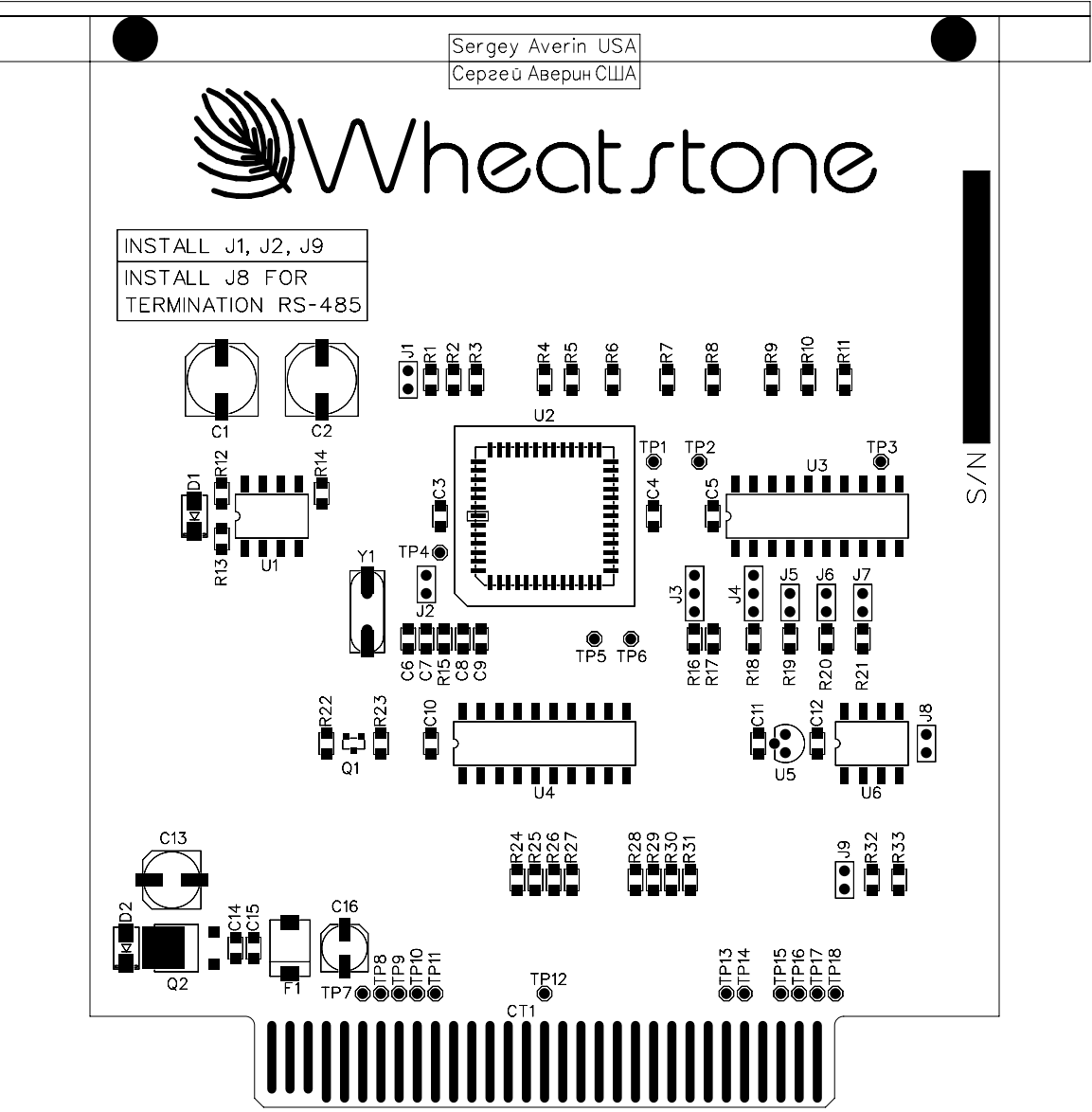
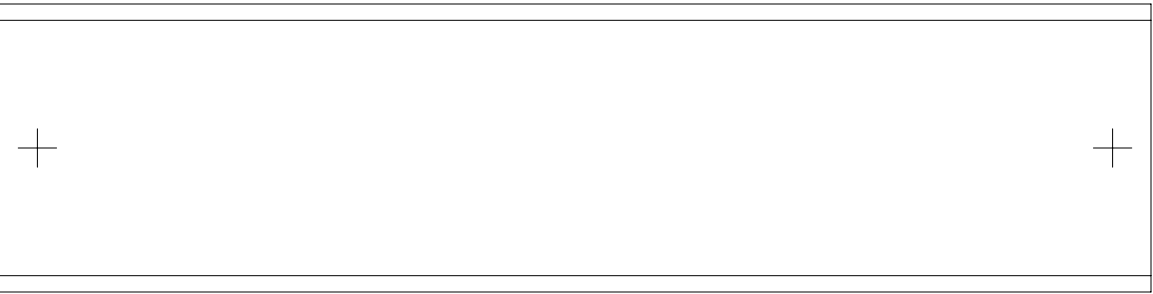
SBS-1000 Switch Card Schematic - Sheet 1 of 1

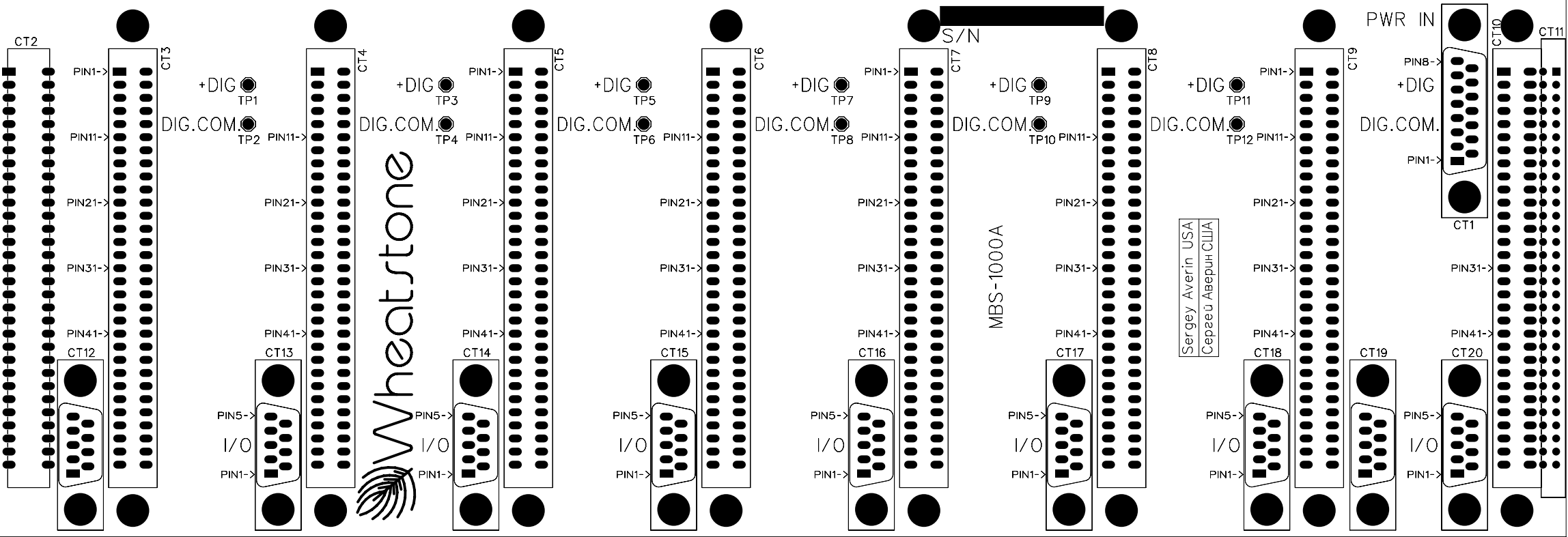


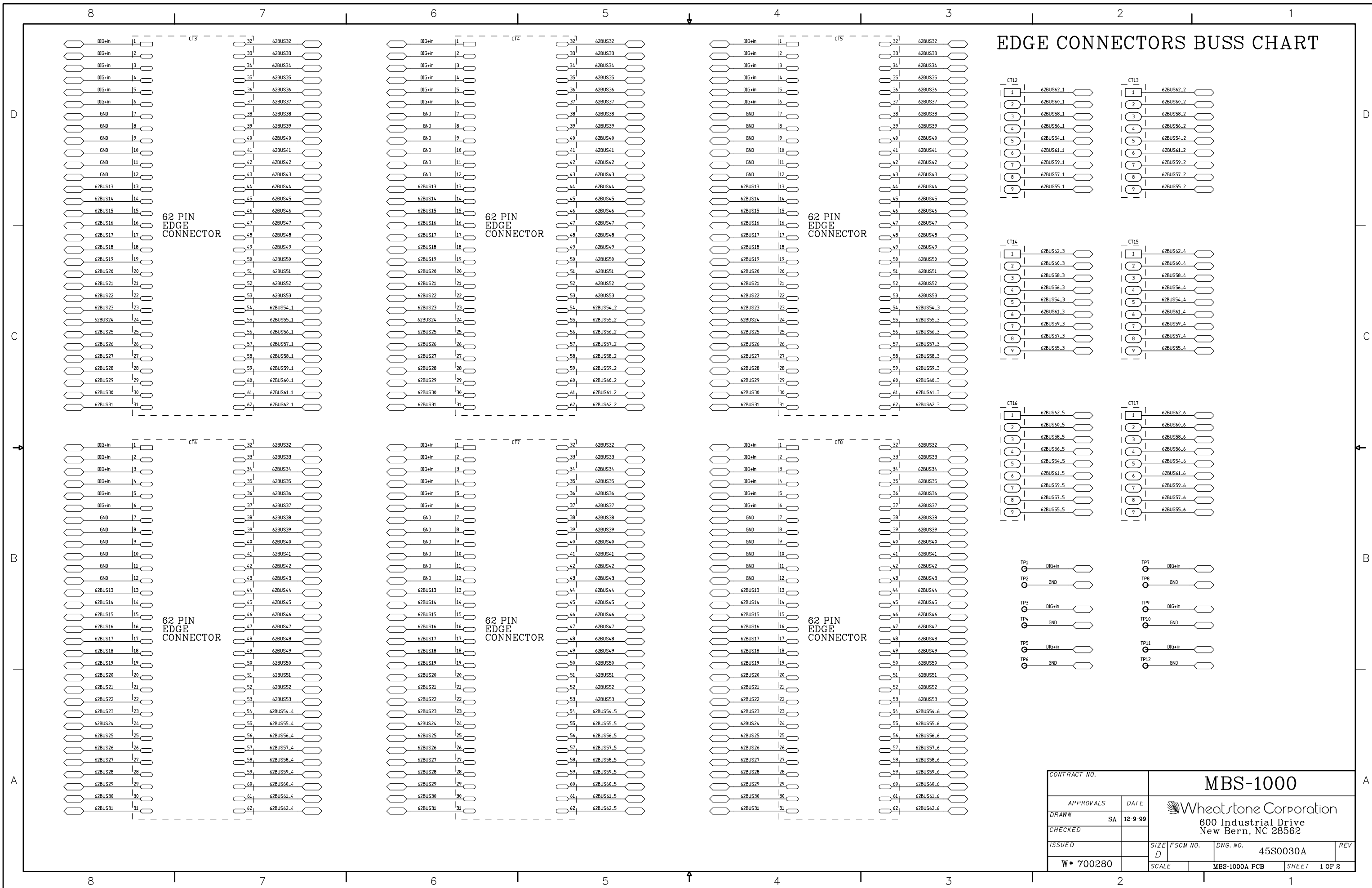


SBC-1000 Smart Button Controller Schematic - Sheet 1 of 1

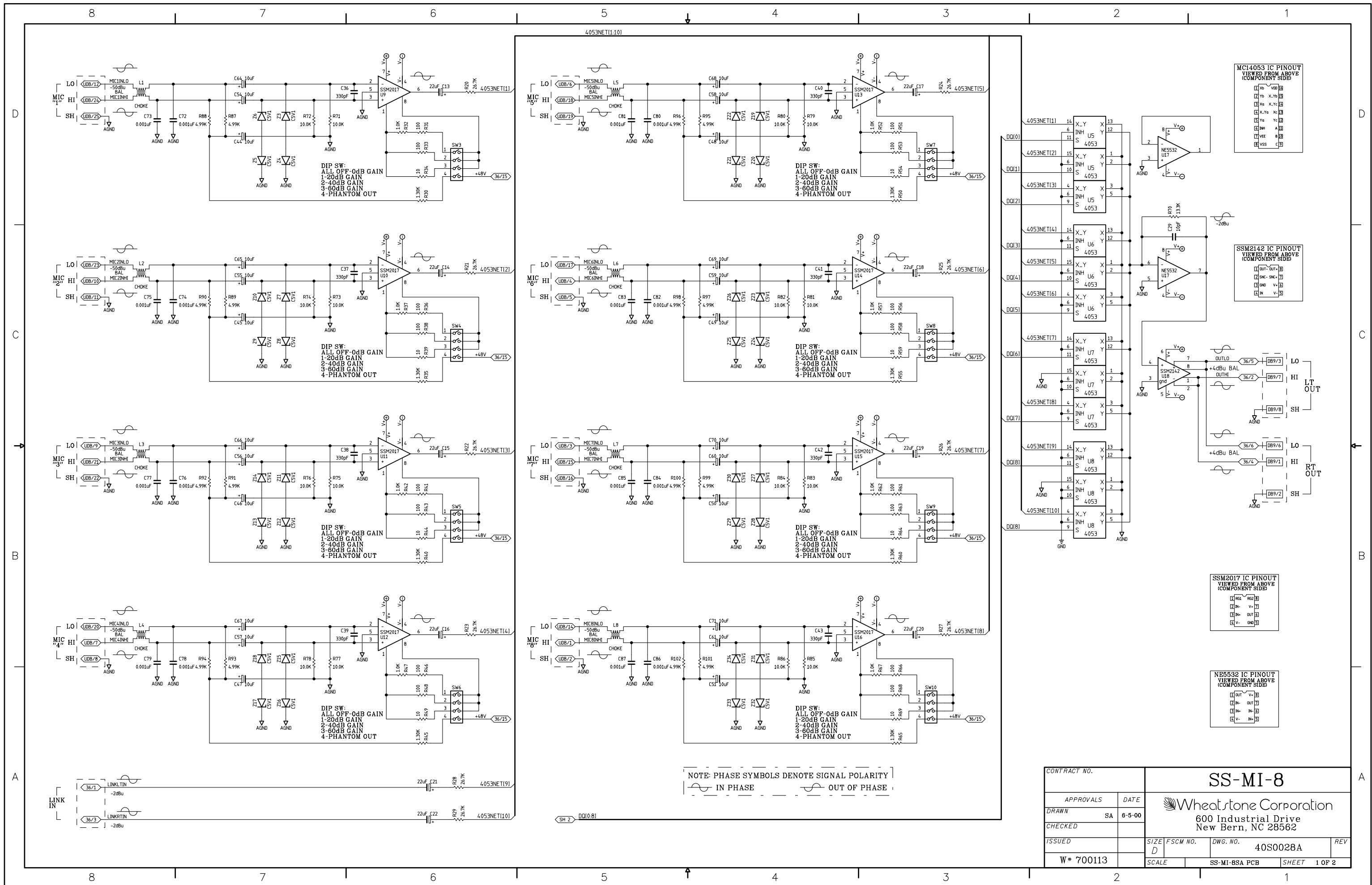




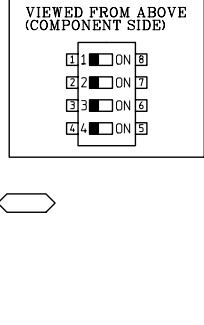
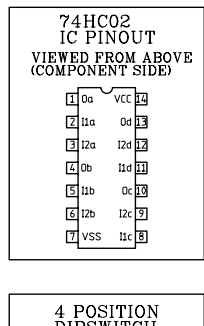
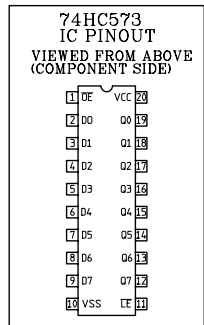
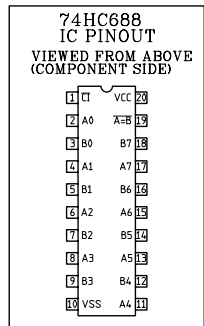
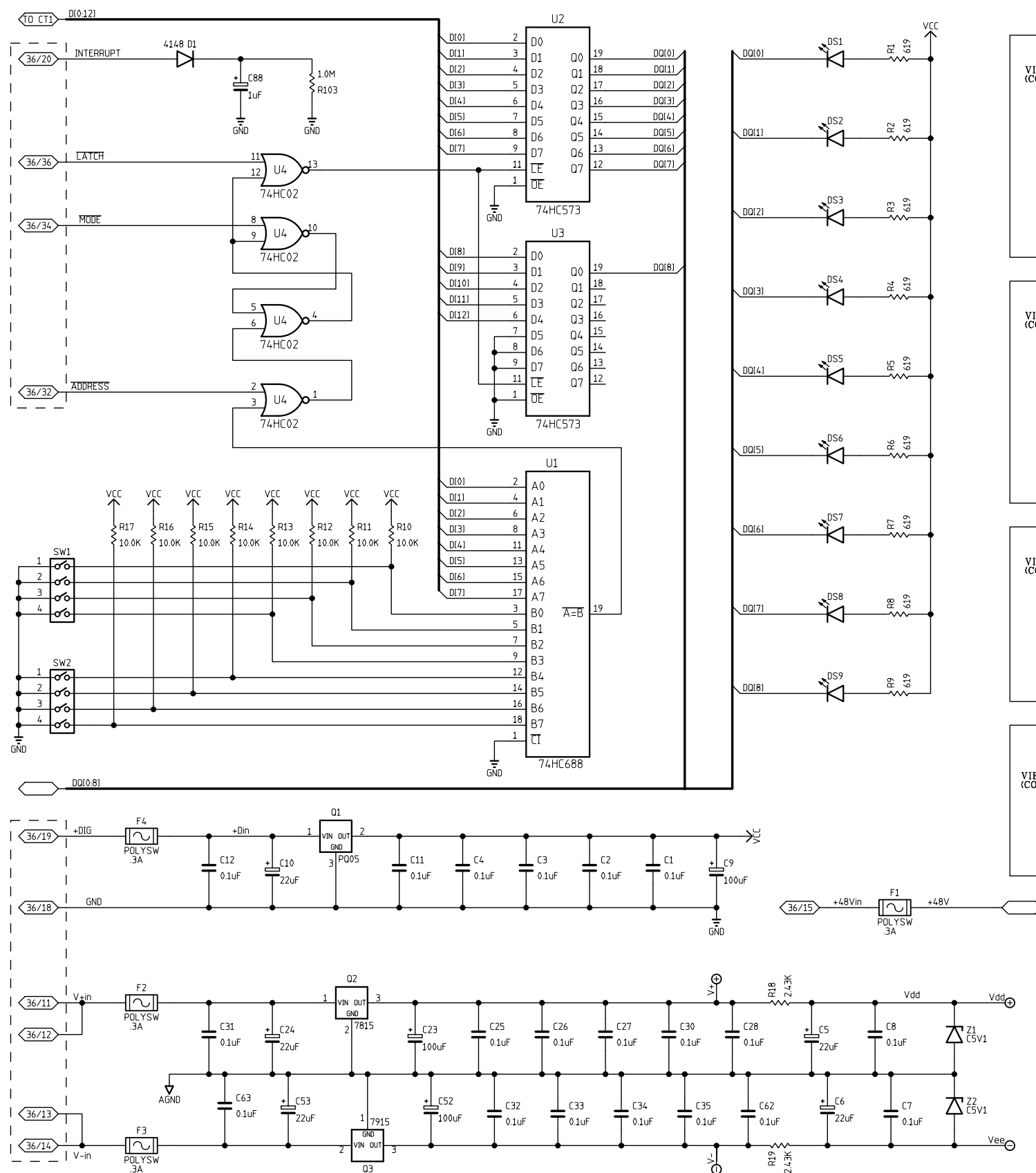








SS-MI-8 Smart Select Mono Mic/Line Input Module Schematic - Sheet 1 of 2



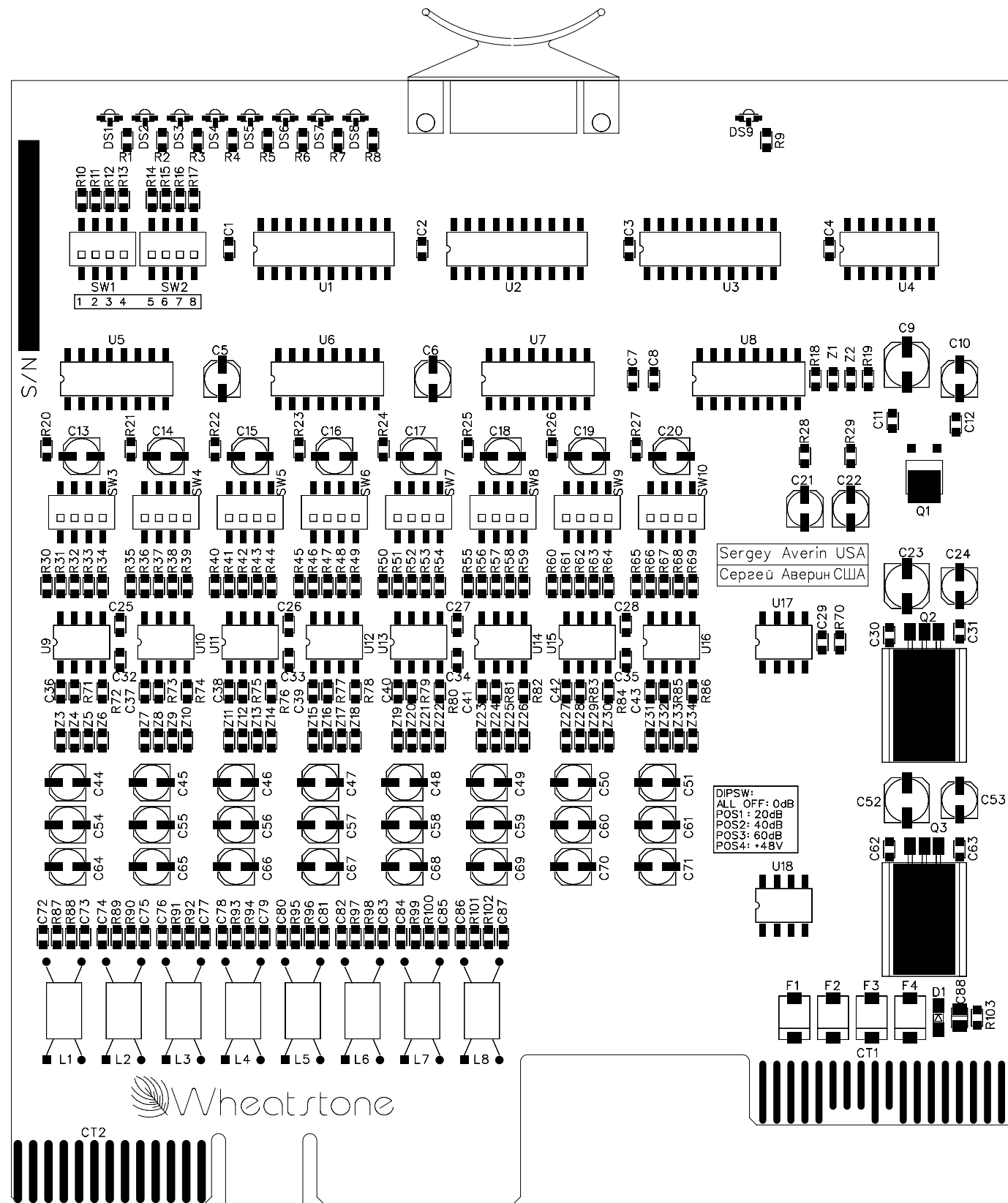
## CONNECTORS BUSS CHART

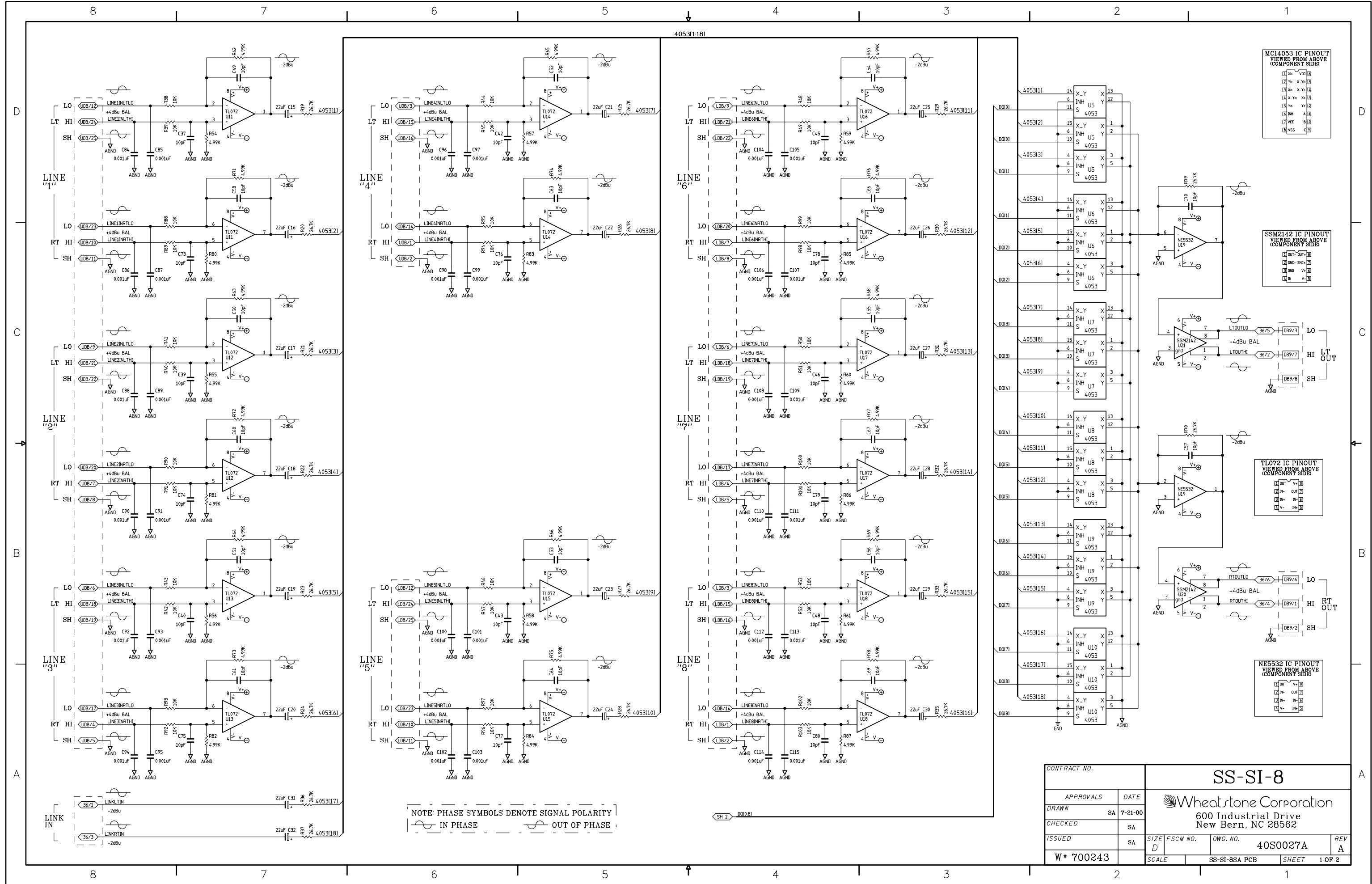
36 PIN EDGE CONNECTOR		
CT1		
1	LINKLTIN	36/1
2	OUTH1	36/2
3	LINKRTIN	36/3
4	OUTH1	36/4
5	OUTLO	36/5
6	OUTLO	36/6
7	AGND	36/7
8	AGND	36/8
9	AGND	36/9
10	AGND	36/10
11	V+in	36/11
12	V+in	36/12
13	V-in	36/13
14	V-in	36/14
15	+48Vin	36/15
16	36Edge16	36/16
17	STEREO	36/17
18	GND	36/18
19	+DIG	36/19
20	INTERRUPT	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

DB-25 PIN UPPER DALE CONNECTOR		
UDB		CT2
UDB/1	MIC8INH1	1
UDB/2	AGND	2
UDB/3	MIC7INLO	3
UDB/4	MIC6INH1	4
UDB/5	AGND	5
UDB/6	MIC5INLO	6
UDB/7	MIC4INH1	7
UDB/8	AGND	8
UDB/9	MIC3INLO	9
UDB/10	MIC2INH1	10
UDB/11	AGND	11
UDB/12	MIC1INLO	12
UDB/13	AGND	13
UDB/14	MIC8INLO	14
UDB/15	MIC7INH1	15
UDB/16	AGND	16
UDB/17	MIC6INLO	17
UDB/18	MIC5INH1	18
UDB/19	AGND	19
UDB/20	MIC4INLO	20
UDB/21	MIC3INH1	21
UDB/22	AGND	22
UDB/23	MIC2INLO	23
UDB/24	MIC1INH1	24
UDB/25	AGND	25

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

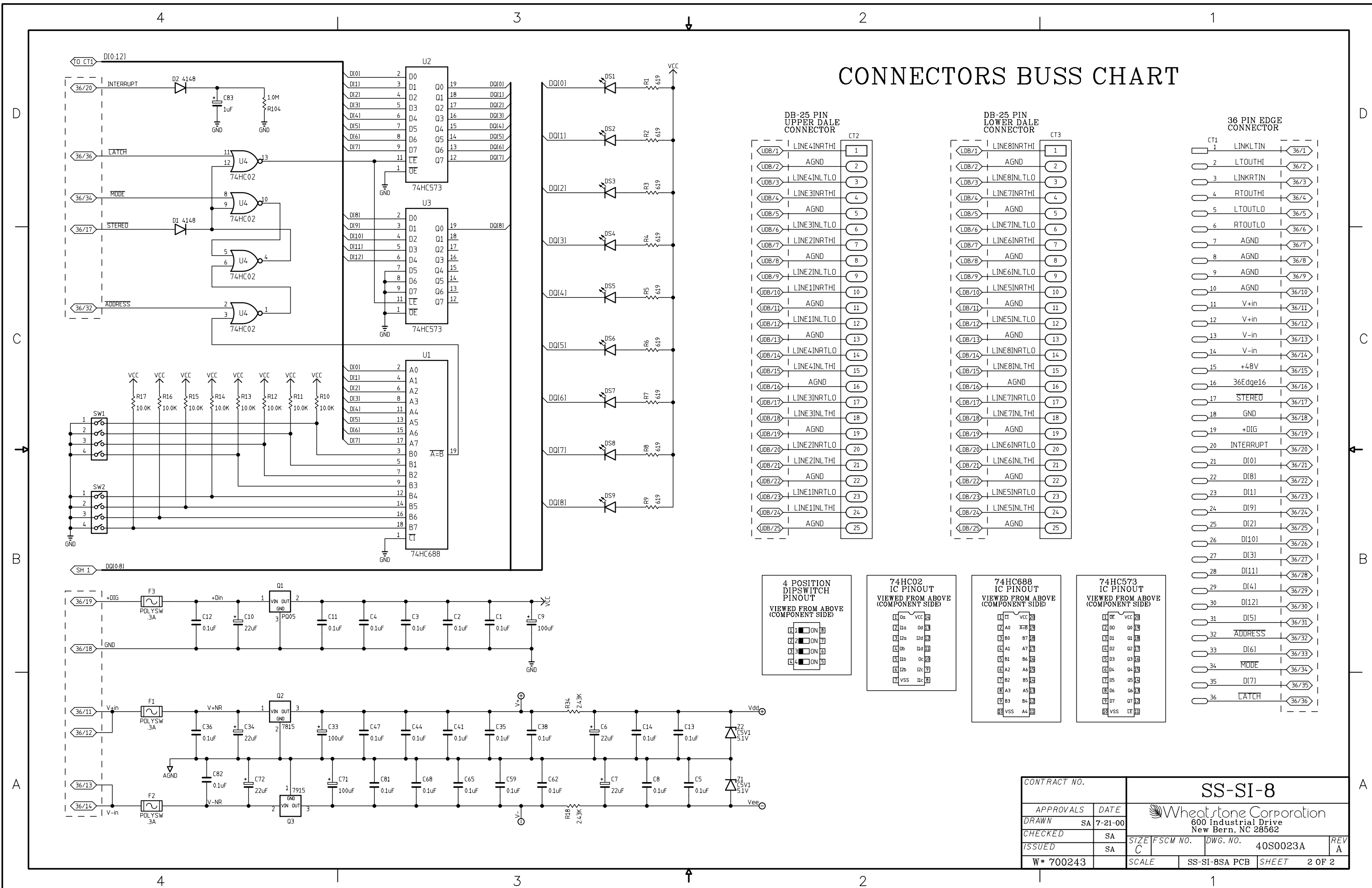
SS-MI-8 Smart Select Mono Mic/Line Input Module Schematic - Sheet 2 of 2





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



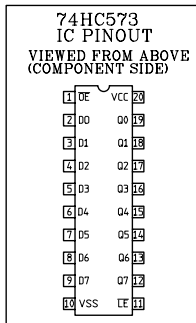
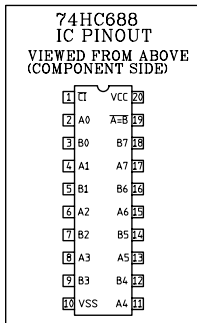
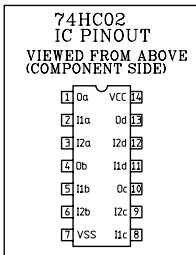
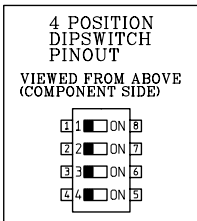


# CONNECTORS BUSS CHART

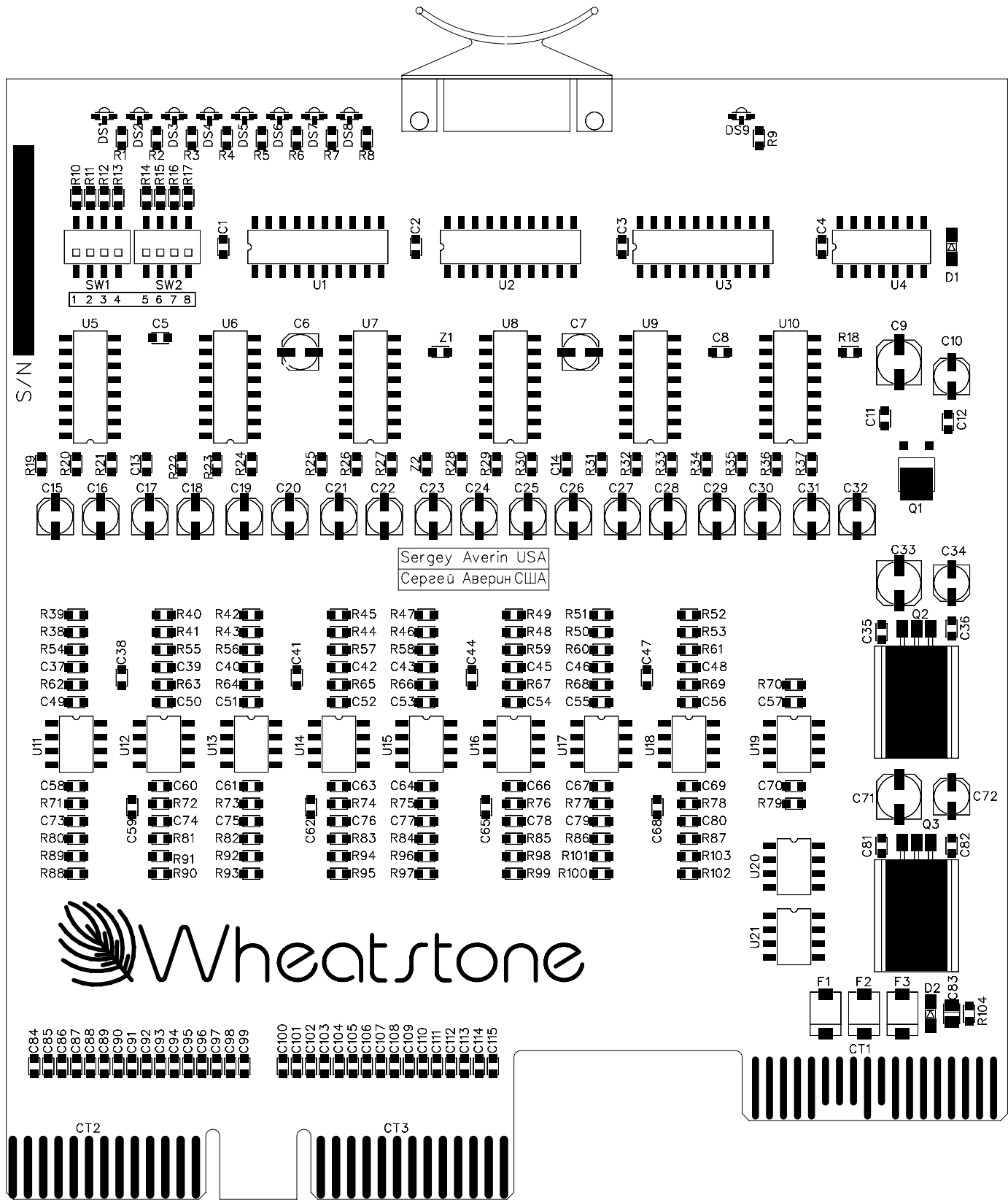
DB-25 PIN UPPER DALE CONNECTOR	
CT2	Signal
1	LINE4INRTHI
2	AGND
3	LINE4INLTLO
4	LINE3INRTHI
5	AGND
6	LINE3INLTLO
7	LINE2INRTHI
8	AGND
9	LINE2INLTLO
10	LINE1INRTHI
11	AGND
12	LINE1INLTLO
13	AGND
14	LINE4INRTHI
15	LINE4INLTLO
16	AGND
17	LINE3INRTHI
18	AGND
19	AGND
20	LINE2INRTHI
21	AGND
22	LINE2INLTLO
23	LINE1INRTHI
24	LINE1INLTLO
25	AGND

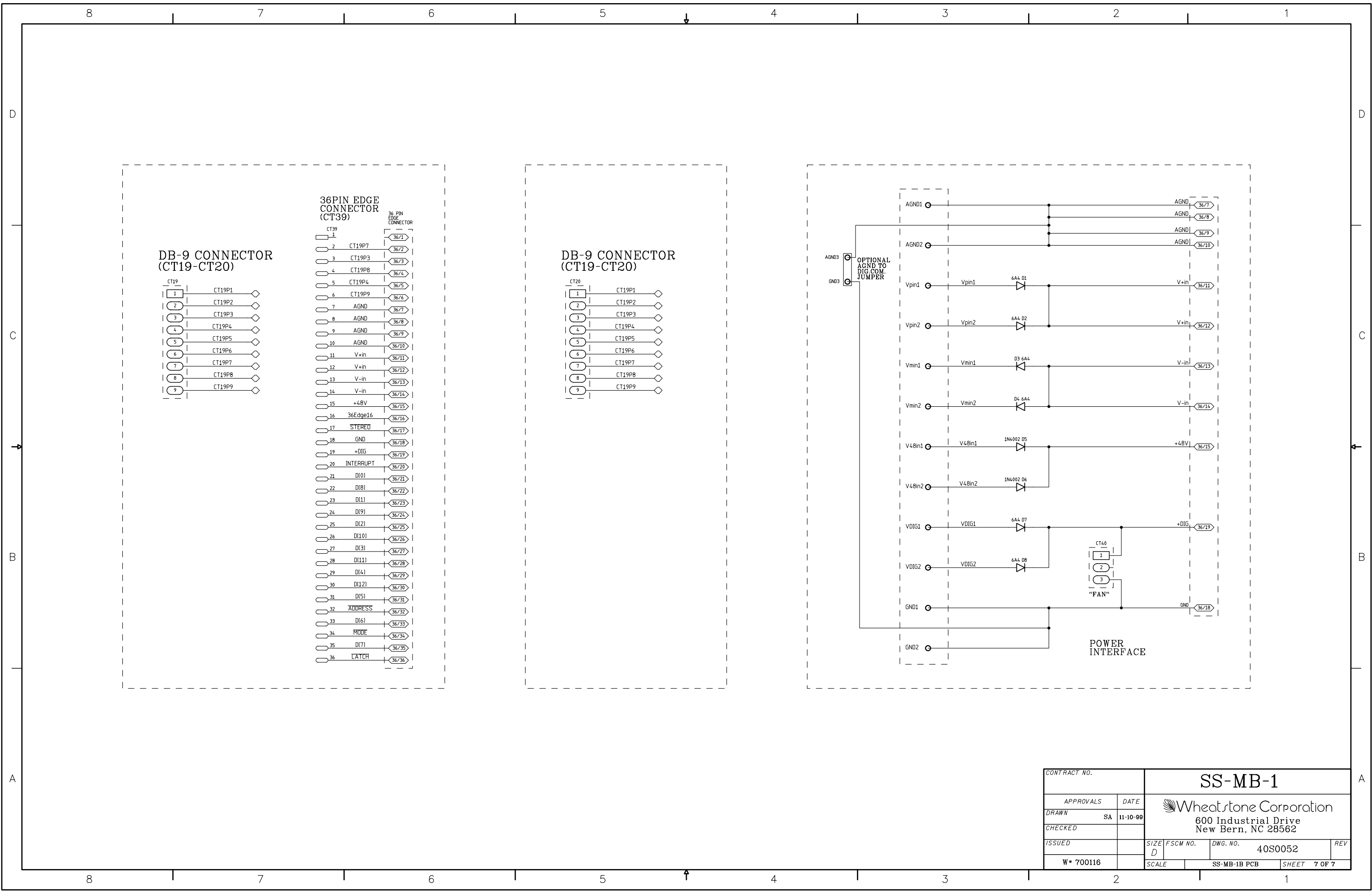
DB-25 PIN LOWER DALE CONNECTOR	
CT3	Signal
1	LINE8INRTHI
2	AGND
3	LINE8INLTLO
4	LINE7INRTHI
5	AGND
6	LINE7INLTLO
7	LINE6INRTHI
8	AGND
9	LINE6INLTLO
10	LINE5INRTHI
11	AGND
12	LINE5INLTLO
13	AGND
14	LINE8INRTHI
15	LINE8INLTLO
16	AGND
17	LINE7INRTHI
18	AGND
19	AGND
20	LINE6INRTHI
21	AGND
22	LINE6INLTLO
23	LINE5INRTHI
24	LINE5INLTLO
25	AGND

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

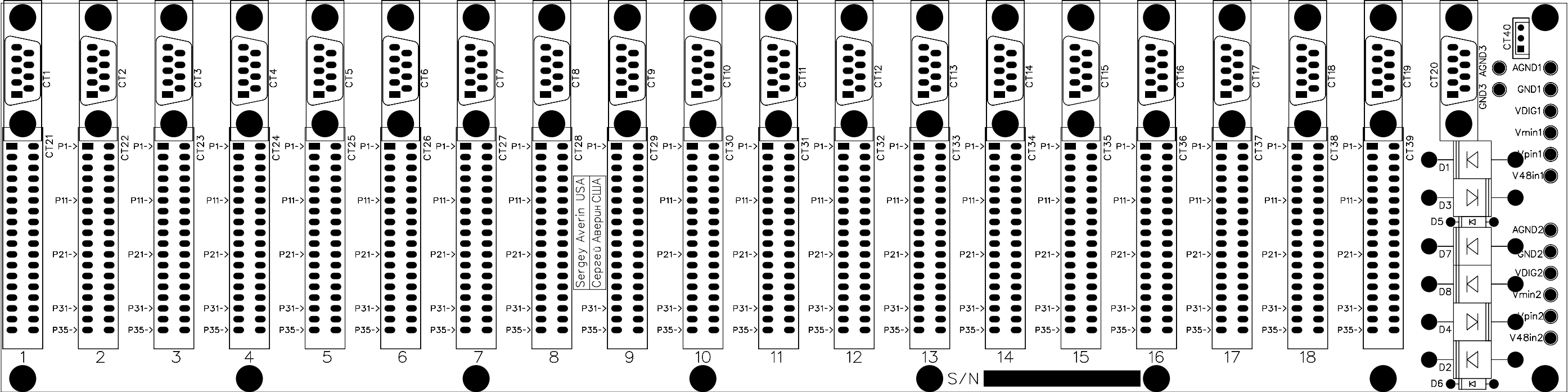


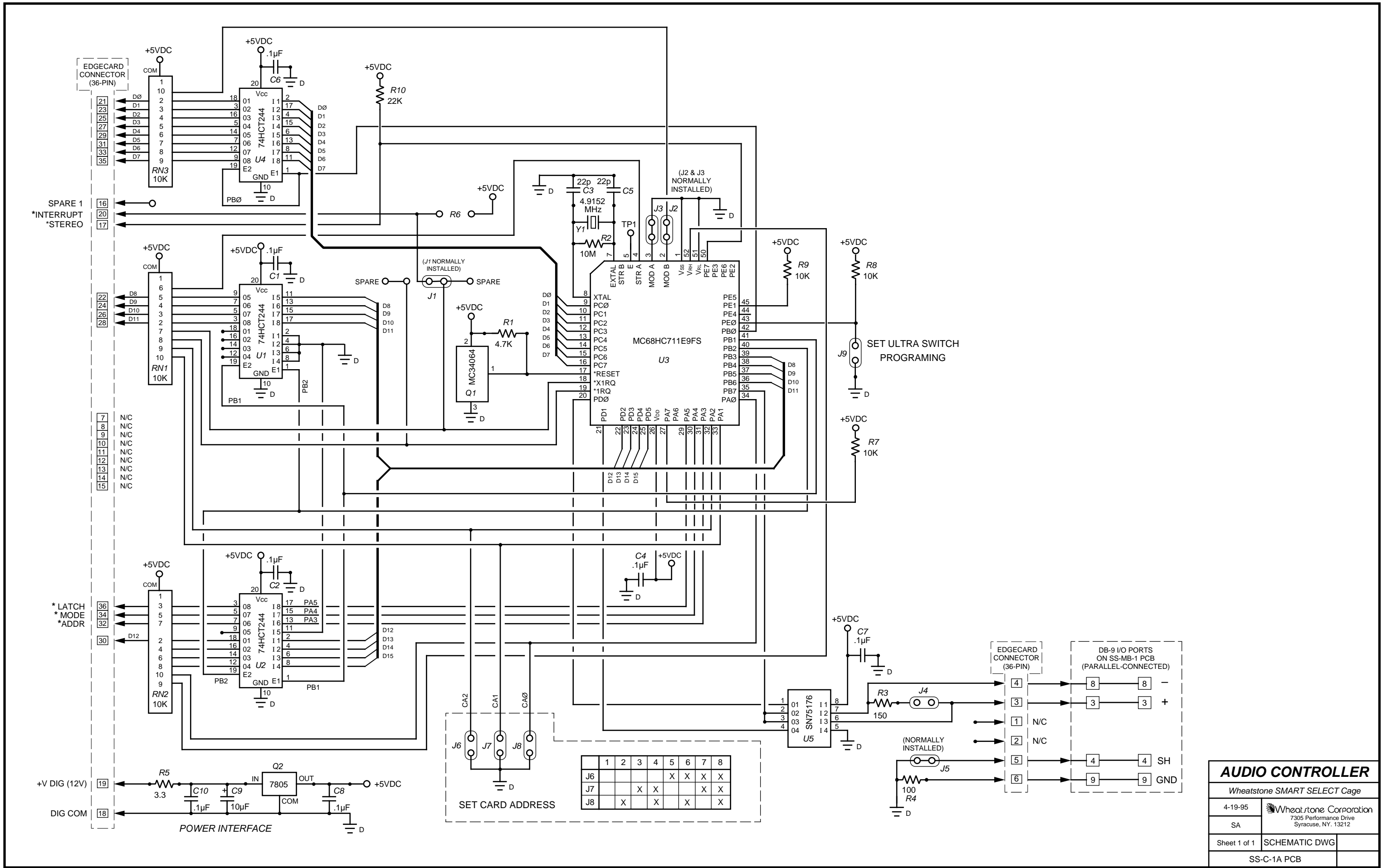
CONTRACT NO.		SS-SI-8	
APPROVALS	DATE	Wheatstone Corporation	
DRAWN SA	7-21-00	600 Industrial Drive	
CHECKED SA		New Bern, NC 28562	
ISSUED SA		SIZE FSCM NO. C	DWG. NO. 40S0023A
W# 700243		SCALE	SS-SI-8SA PCB SHEET 2 OF 2



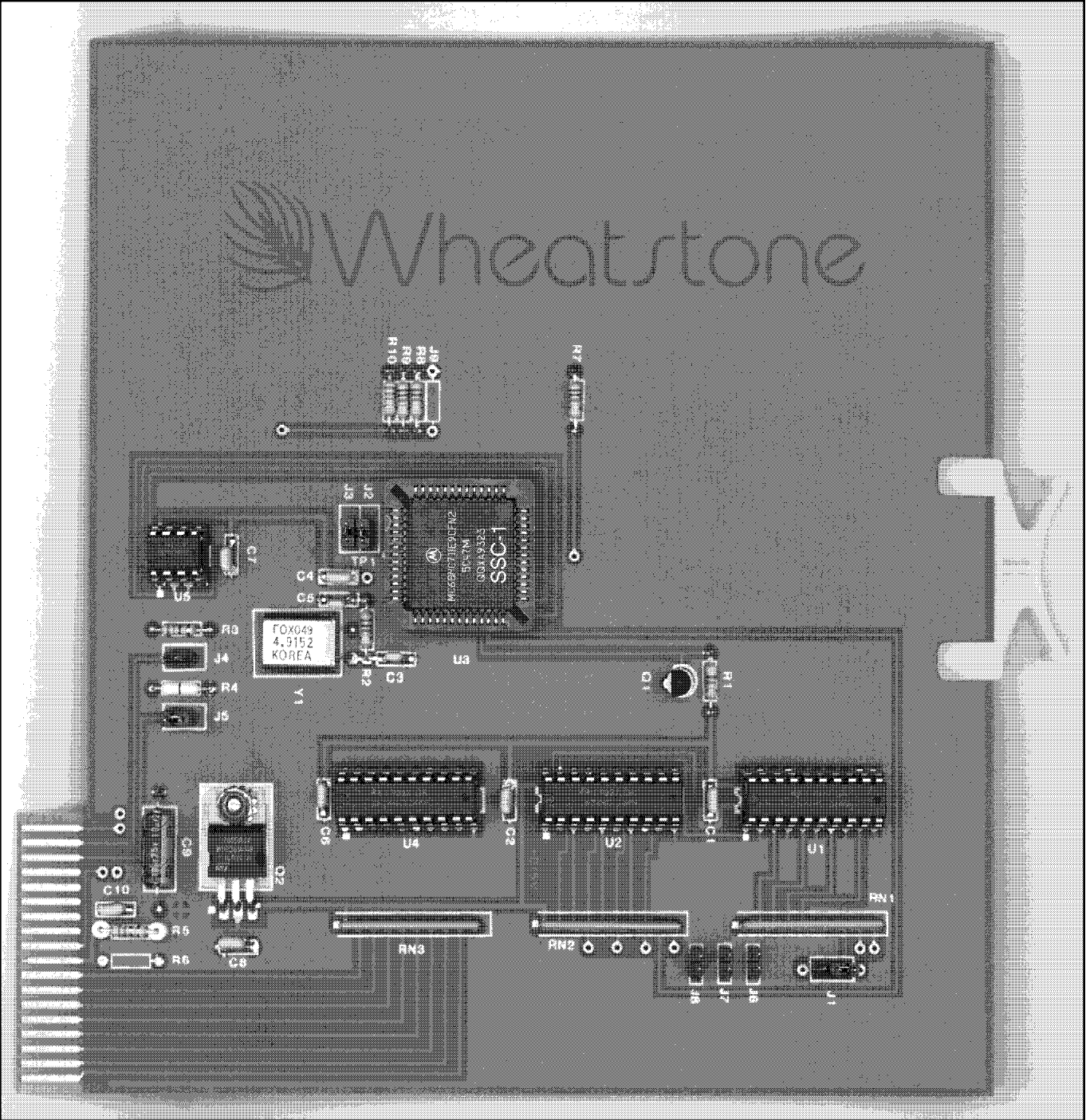



Smart Select Mother Board Schematic - Sheet 7 of 7

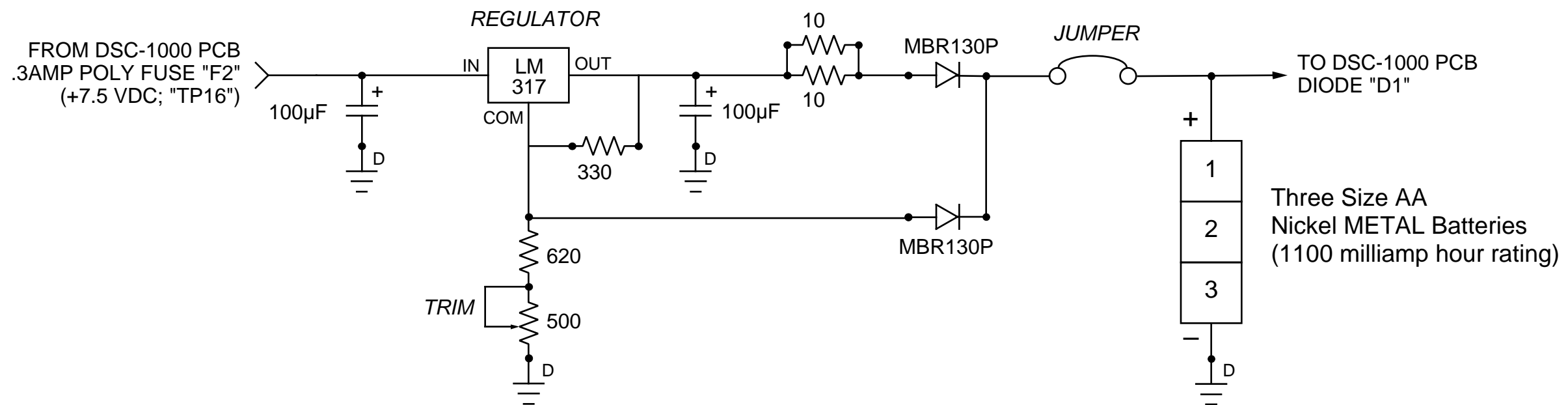





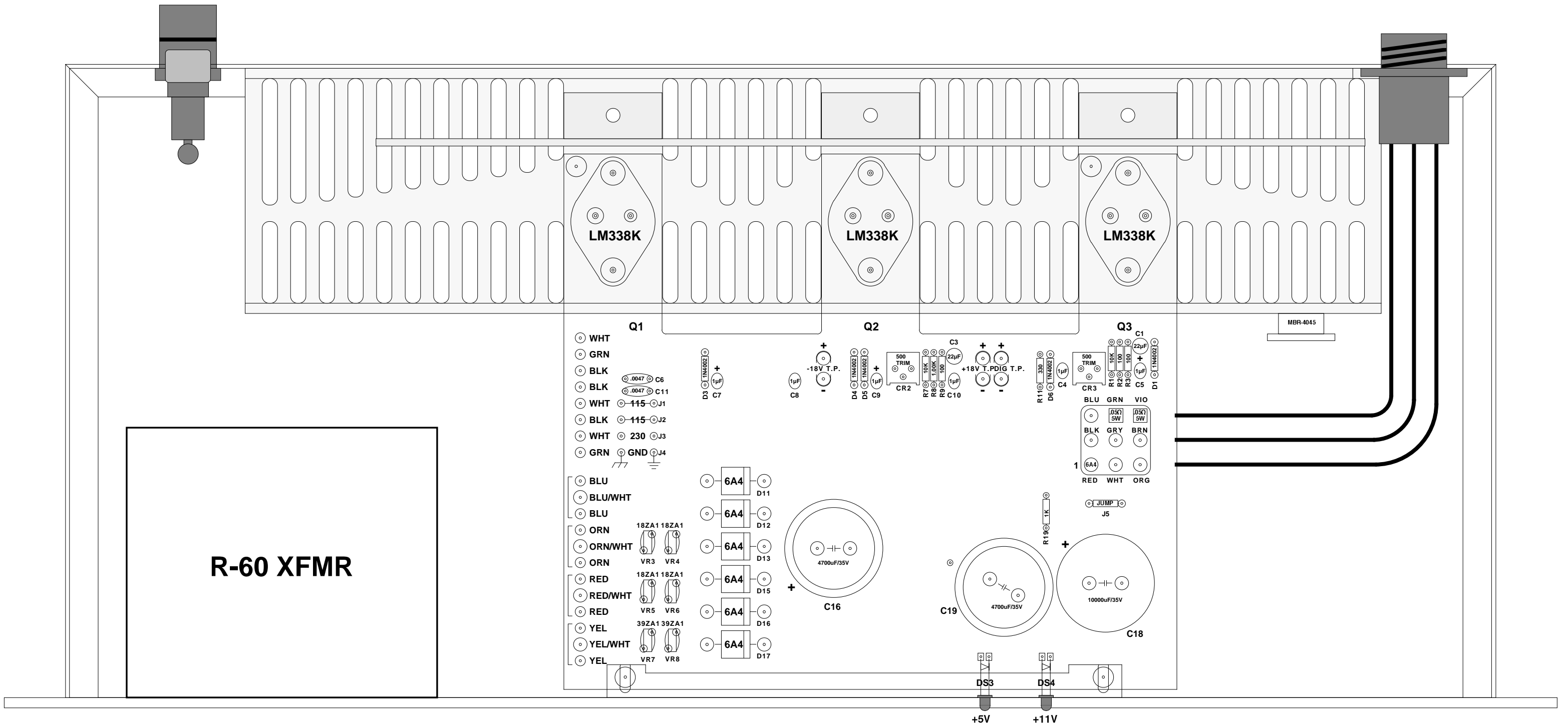
SS-C-1A Smart Switch Audio Controller Card – Schematic



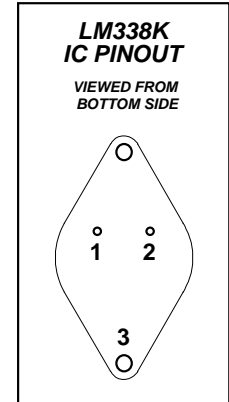
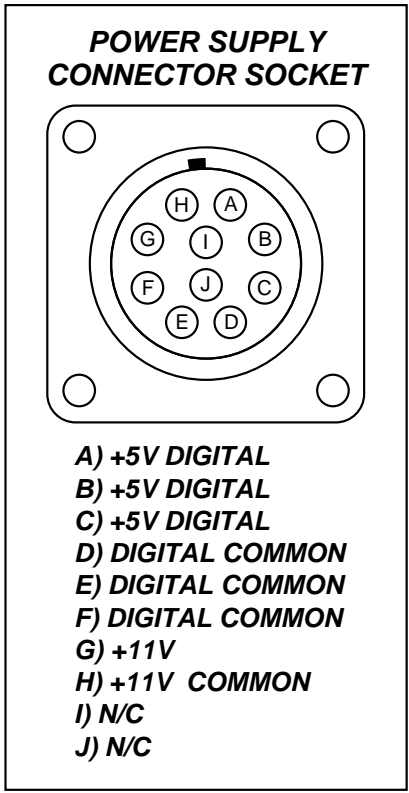
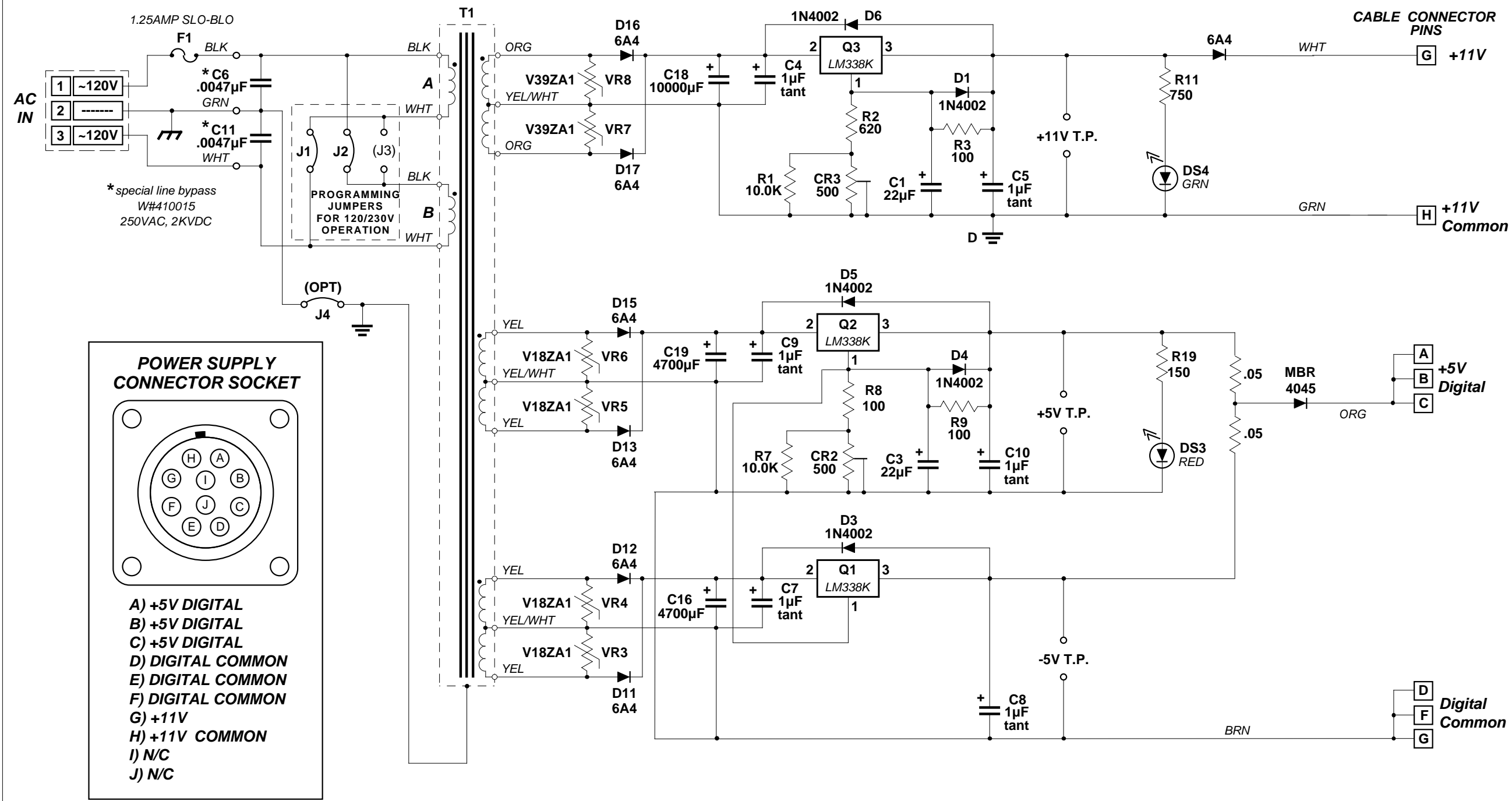
AUDIO CONTROLLI		
Wheatstone SMART SELECT Cage		
12-15-97	 Wheatstone Corporation 7305 Performance Drive Syracuse, NY 13212	
MS		
Sheet 1 of 1	SS-C-1A PCB	
PCB Component Pictorial		



<b>BATTERY CHARGER CIRCUIT</b>		
<i>Wheatstone TV-1000 Audio Console</i>		
9-22-97	 Wheatstone Corporation 7305 Performance Drive Syracuse, NY. 13212	
MS per MM		
Sheet 1 of 1	SCHEMATIC	
ref: WABC RCC Event Computer		



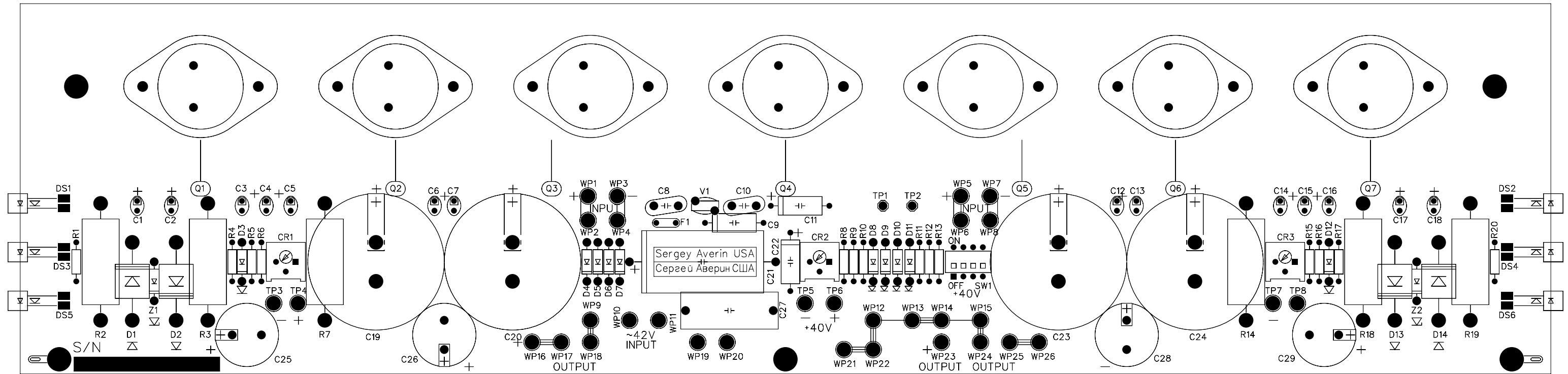


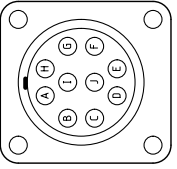


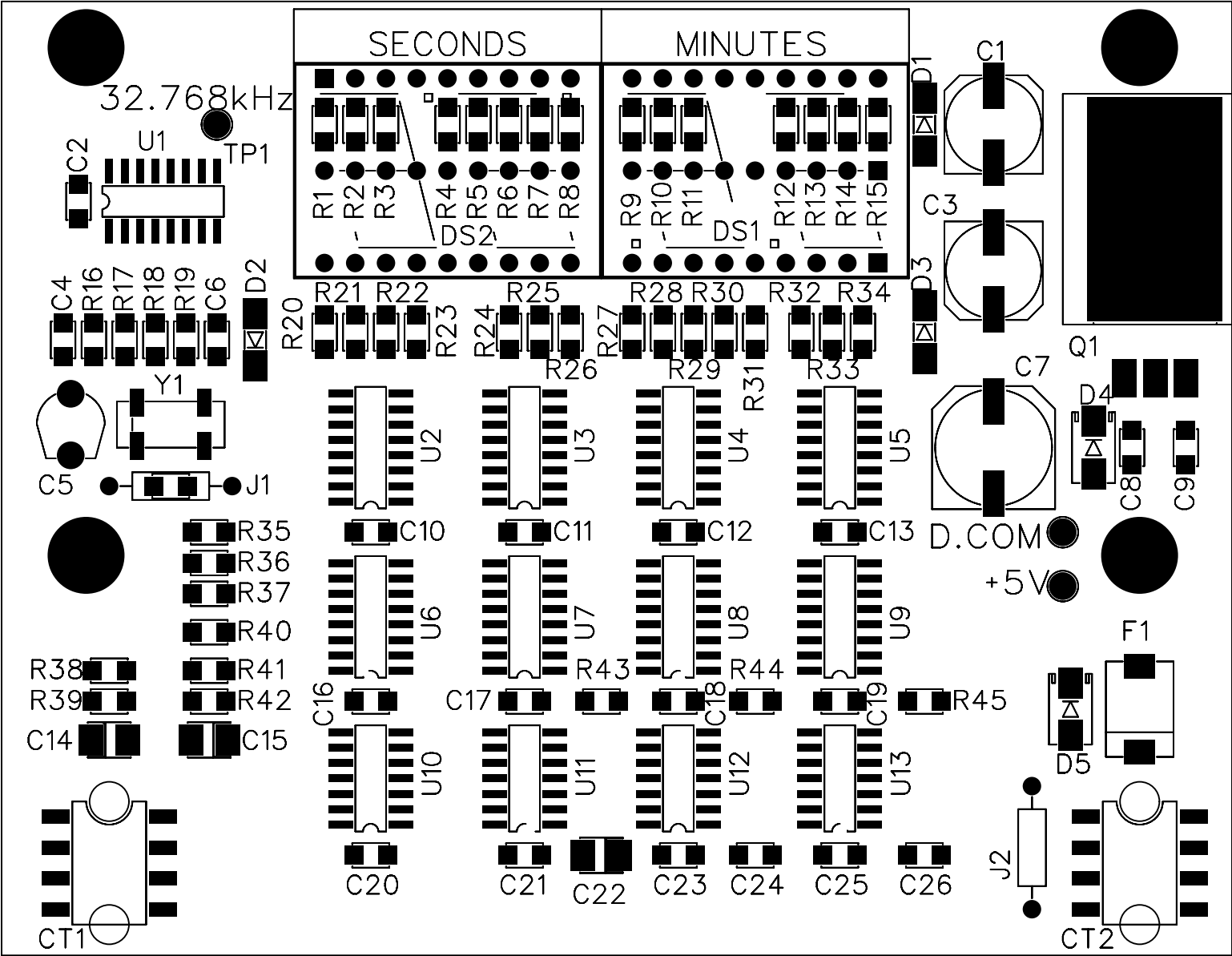
UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE 1/4W 5 % AND ARE MEASURED IN OHMS.

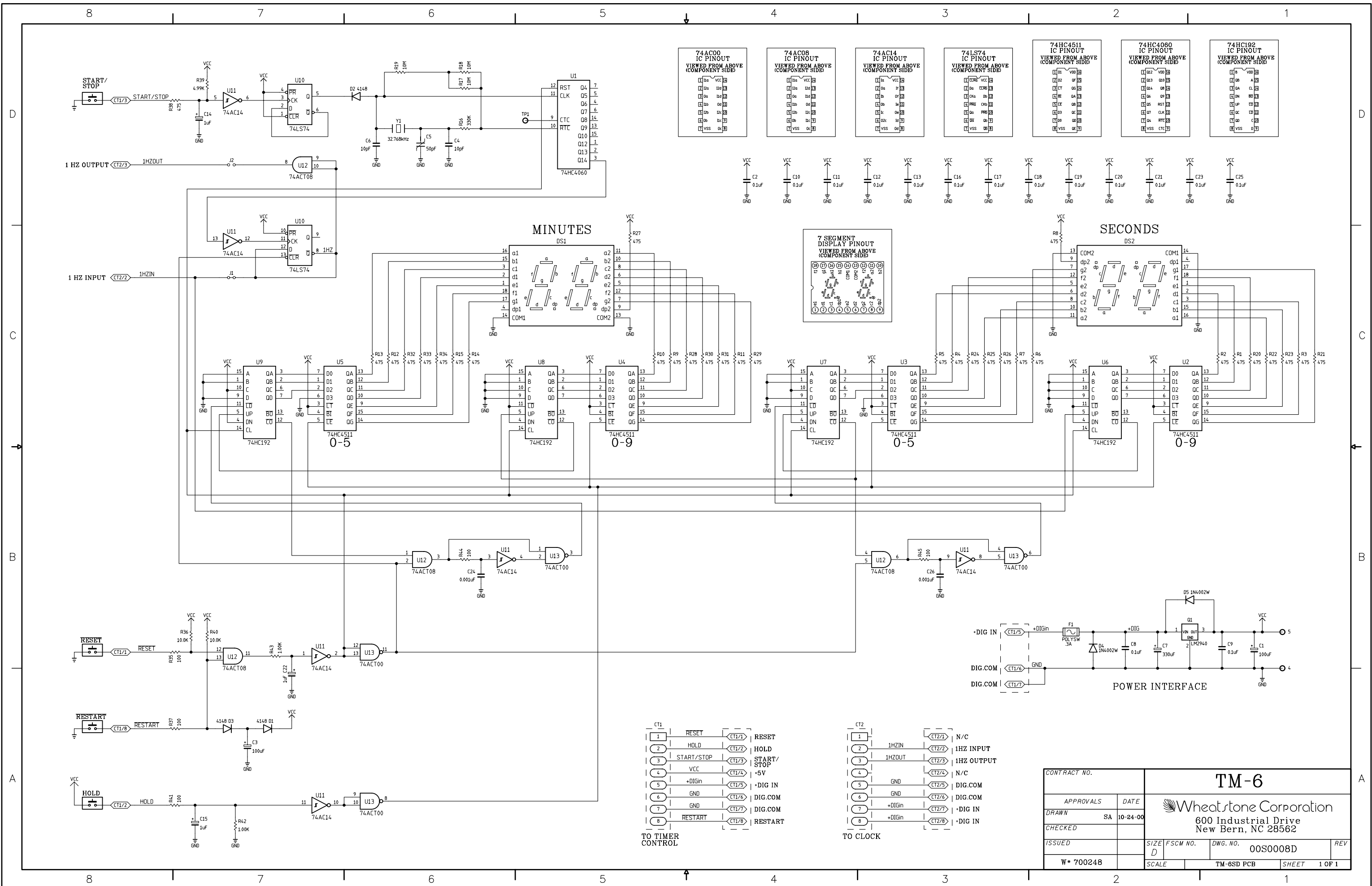
\* To ensure compliance with UL Standard #1419, this power supply voltage has been factory set to +40VDC. In order to maintain protection under these standards, do not modify this voltage setting to be greater than +40VDC.

PSC-125 POWER SUPPLY		
WHEATSTONE EVENT COMPUTER		
5-22-00	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
KP per SA		
	PS-6040 PCB	24S0001C rev









Timer Schematic - Sheet 1 of 1

CONTRACT NO.		TM-6	
APPROVALS	DATE	Wheatstone Corporation 600 Industrial Drive New Bern, NC 28562	
DRAWN	SA 10-24-00		
CHECKED		SIZE	FSCM NO.
ISSUED		D	
W* 700248		SCALE	TM-6SD PCB
		DWG. NO.	00S0008D
		SHEET	1 OF 1