

NOTES:

1. A CONFIGURATION SWITCH (NOT SHOWN) IS LOCATED ON THIS UNIT. SWITCH 1 THRU 3 ADJUST THE NUMBER OF INPUT CHANNELS. SWITCH 4 ENABLES/DISABLES INPUT CHANNEL #1. WHEN SETTING THE NUMBER OF INPUT CHANNELS, INPUT #1 MUST BE COUNTED EVEN IF IT HAS BEEN DISABLED BY SWITCH #4.
2. THE CONFIGURATION SWITCH IS ONLY READ DURING POWER-UP. IF THE SWITCH IS CHANGED, POWER MUST BE REMOVED FOR 15 SECONDS AND THEN REAPPLIED FOR THE NEW SWITCH SETTINGS TO WORK.
3. REFER TO MCC1 DOCUMENT # MCC-19-030 FOR DETAILED FUNCTIONAL DESCRIPTION.

▷ PART NUMBER FOR ITT-CANNON

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

J3 CONNECTOR DESCRIPTION	
PART NUMBER	DESCRIPTION
MD25M5R5NTO	CONNECTOR
DBMA25S	MATING CONNECTOR
WIRE DESCRIPTION	
PIN	DESCRIPTION
1	N/A
2	CHANNEL 1 AUDIO LOW
3	CHANNEL 2 LEFT AUDIO *
4	CHANNEL 2 RIGHT AUDIO *
5	CHANNEL 3 AUDIO LOW
6	CHANNEL 4 LEFT AUDIO *
7	CHANNEL 4 RIGHT AUDIO *
8	CHANNEL 5 AUDIO LOW
9	CHANNEL 6 LEFT AUDIO *
10	CHANNEL 6 RIGHT AUDIO *
11	CHANNEL 7 AUDIO LOW
12	CHANNEL 8 LEFT AUDIO *
13	CHANNEL 8 RIGHT AUDIO *
14	CHANNEL 1 LEFT AUDIO *
15	CHANNEL 1 RIGHT AUDIO *
16	CHANNEL 2 AUDIO LOW
17	CHANNEL 3 LEFT AUDIO *
18	CHANNEL 3 RIGHT AUDIO *
19	CHANNEL 4 AUDIO LOW
20	CHANNEL 5 LEFT AUDIO *
21	CHANNEL 5 RIGHT AUDIO *
22	CHANNEL 6 AUDIO LOW
23	CHANNEL 7 LEFT AUDIO *
24	CHANNEL 7 RIGHT AUDIO *
25	CHANNEL 8 AUDIO LOW

J1 CONNECTOR DESCRIPTION	
PART NUMBER	DESCRIPTION
MD9M5R5NTO	CONNECTOR
DEMA9S	MATING CONNECTOR
WIRE DESCRIPTION	
PIN	DESCRIPTION
1	+28V
2	GND
3	VF-CLK
4	CHIME-MUTE (+28V IN)
5	PA AUDIO INPUT + **
6	PA KEY INPUT (MDM, GND)
7	VF-DATA
8	CHIME-MUTE (GND IN)
9	PA AUDIO INPUT - **

J5 CONNECTOR DESCRIPTION	
PART NUMBER	DESCRIPTION
161A18569X	CONN. CONNECTOR
DDMA50S	MATING CONNECTOR
WIRE DESCRIPTION	
PIN	DESCRIPTION
1	N/A
2	CHANNEL 1 - STATUS BIT 2
3	CHANNEL 2 - STATUS BIT 2
4	CHANNEL 3 - STATUS BIT 2
5	CHANNEL 4 - STATUS BIT 2
6	CHANNEL 5 - STATUS BIT 2
7	CHANNEL 6 - STATUS BIT 2
8	CHANNEL 7 - STATUS BIT 2
9	CHANNEL 8 - STATUS BIT 2
10	CHANNEL 9 - STATUS BIT 2
11	CHANNEL 10 - STATUS BIT 2
12	CHANNEL 11 - STATUS BIT 2
13	CHANNEL 12 - STATUS BIT 2
14	CHANNEL 13 - STATUS BIT 2
15	CHANNEL 14 - STATUS BIT 2
16	CHANNEL 15 - STATUS BIT 2
17	CHANNEL 16 - STATUS BIT 2
18	CHANNEL 1 - STATUS BIT 1
19	CHANNEL 2 - STATUS BIT 1
20	CHANNEL 3 - STATUS BIT 1
21	CHANNEL 4 - STATUS BIT 1
22	CHANNEL 5 - STATUS BIT 1
23	CHANNEL 6 - STATUS BIT 1
24	CHANNEL 7 - STATUS BIT 1
25	CHANNEL 8 - STATUS BIT 1
26	CHANNEL 9 - STATUS BIT 1
27	CHANNEL 10 - STATUS BIT 1
28	CHANNEL 11 - STATUS BIT 1
29	CHANNEL 12 - STATUS BIT 1
30	CHANNEL 13 - STATUS BIT 1
31	CHANNEL 14 - STATUS BIT 1
32	CHANNEL 15 - STATUS BIT 1
33	CHANNEL 16 - STATUS BIT 1
34	CHANNEL 1 - STATUS BIT 0
35	CHANNEL 2 - STATUS BIT 0
36	CHANNEL 3 - STATUS BIT 0
37	CHANNEL 4 - STATUS BIT 0
38	CHANNEL 5 - STATUS BIT 0
39	CHANNEL 6 - STATUS BIT 0
40	CHANNEL 7 - STATUS BIT 0
41	CHANNEL 8 - STATUS BIT 0
42	CHANNEL 9 - STATUS BIT 0
43	CHANNEL 10 - STATUS BIT 0
44	CHANNEL 11 - STATUS BIT 0
45	CHANNEL 12 - STATUS BIT 0
46	CHANNEL 13 - STATUS BIT 0
47	CHANNEL 14 - STATUS BIT 0
48	CHANNEL 15 - STATUS BIT 0
49	CHANNEL 16 - STATUS BIT 0
50	#16 SELECT (MDM, GND IN)

J4 CONNECTOR DESCRIPTION	
PART NUMBER	DESCRIPTION
MD37M5R5NTO	CONNECTOR
DCMA37S	MATING CONNECTOR
WIRE DESCRIPTION	
PIN	DESCRIPTION
1	N/A
2	AUDIO COMMON
3	#1 RIGHT AUDIO OUTPUT
4	#2 RIGHT AUDIO OUTPUT
5	#3 RIGHT AUDIO OUTPUT
6	#4 RIGHT AUDIO OUTPUT
7	#5 RIGHT AUDIO OUTPUT
8	#6 RIGHT AUDIO OUTPUT
9	#7 RIGHT AUDIO OUTPUT
10	#8 RIGHT AUDIO OUTPUT
11	#9 RIGHT AUDIO OUTPUT
12	#10 RIGHT AUDIO OUTPUT
13	#11 RIGHT AUDIO OUTPUT
14	#12 RIGHT AUDIO OUTPUT
15	#13 RIGHT AUDIO OUTPUT
16	#14 RIGHT AUDIO OUTPUT
17	#15 RIGHT AUDIO OUTPUT
18	#16 RIGHT AUDIO OUTPUT
19	AUDIO COMMON
20	AUDIO COMMON
21	#1 LEFT AUDIO OUTPUT
22	#2 LEFT AUDIO OUTPUT
23	#3 LEFT AUDIO OUTPUT
24	#4 LEFT AUDIO OUTPUT
25	#5 LEFT AUDIO OUTPUT
26	#6 LEFT AUDIO OUTPUT
27	#7 LEFT AUDIO OUTPUT
28	#8 LEFT AUDIO OUTPUT
29	#9 LEFT AUDIO OUTPUT
30	#10 LEFT AUDIO OUTPUT
31	#11 LEFT AUDIO OUTPUT
32	#12 LEFT AUDIO OUTPUT
33	#13 LEFT AUDIO OUTPUT
34	#14 LEFT AUDIO OUTPUT
35	#15 LEFT AUDIO OUTPUT
36	#16 LEFT AUDIO OUTPUT
37	AUDIO COMMON

J2 CONNECTOR DESCRIPTION	
PART NUMBER	DESCRIPTION
MD15M5R5NTO	CONNECTOR
DAMA15S	MATING CONNECTOR
WIRE DESCRIPTION	
PIN	DESCRIPTION
1	#1 SELECT (MDM, GND IN)
2	#3 SELECT (MDM, GND IN)
3	#5 SELECT (MDM, GND IN)
4	#7 SELECT (MDM, GND IN)
5	#9 SELECT (MDM, GND IN)
6	#11 SELECT (MDM, GND IN)
7	#13 SELECT (MDM, GND IN)
8	#15 SELECT (MDM, GND IN)
9	#2 SELECT (MDM, GND IN)
10	#4 SELECT (MDM, GND IN)
11	#6 SELECT (MDM, GND IN)
12	#8 SELECT (MDM, GND IN)
13	#10 SELECT (MDM, GND IN)
14	#12 SELECT (MDM, GND IN)
15	#14 SELECT (MDM, GND IN)

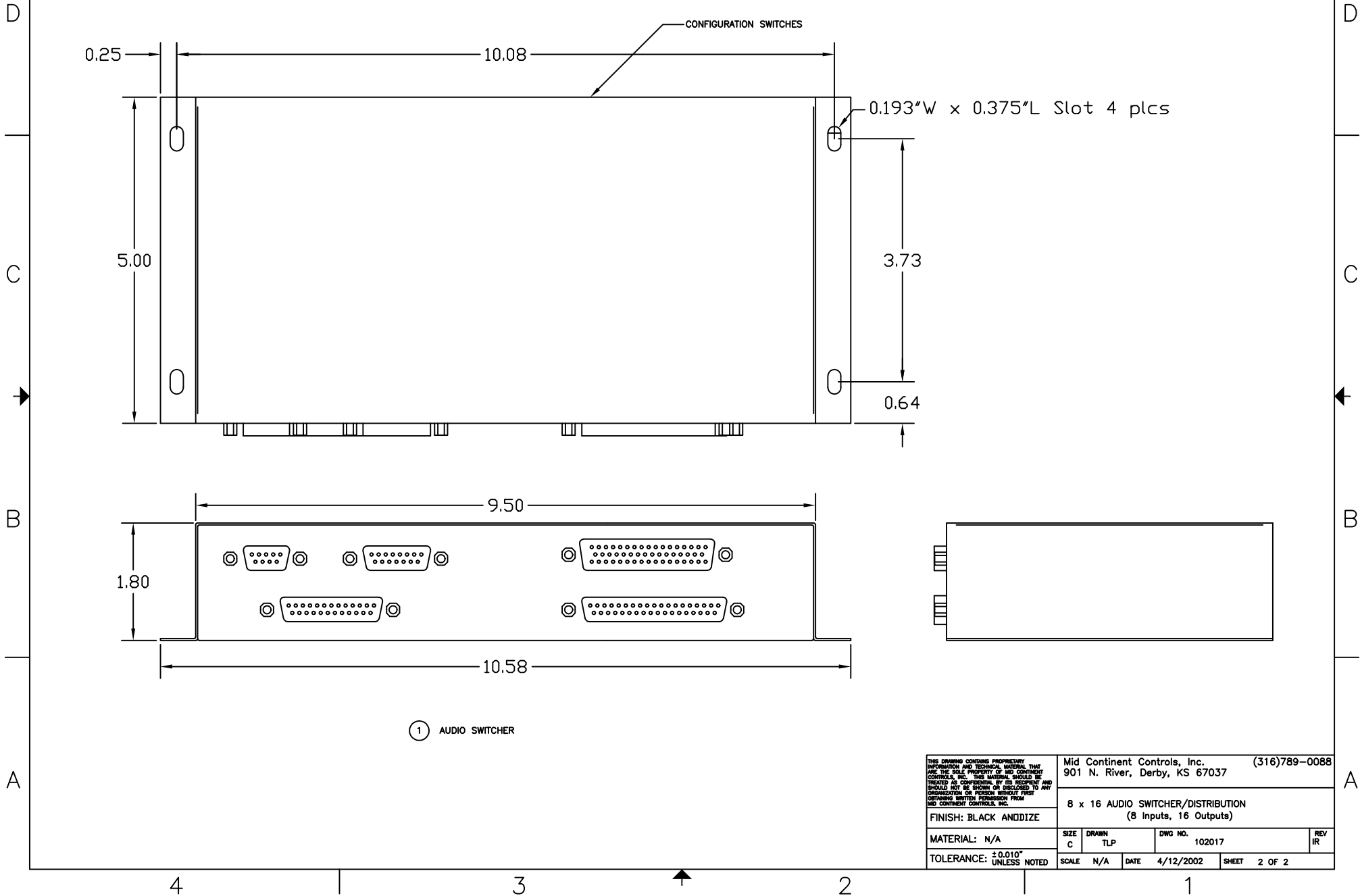
NOTE: SELECT 16 IS LOCATED ON PIN 50 OF J5

* LINE LEVEL INPUTS:
0.5Vpp - 1.5Vpp
AUDIO COUPLING TRANSFORMER
IMPEDANCE = 10K OHMS
** PA AUDIO INPUT IS AN AUDIO COUPLING TRANSFORMER.
IMPEDANCE = 600 OHMS

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FINISH: BLACK ANODIZE		8 x 16 AUDIO SWITCHER/DISTRIBUTION (8 Inputs, 16 Outputs)	
MATERIAL: N/A	SCALE: N/A	DWG NO. 102017	REV IR
TOLERANCE: ±0.010" UNLESS NOTED	DATE: 4/12/2002	SHEET 1 OF 2	

NOTES: SEE SHEET #1

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



① AUDIO SWITCHER

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MATERIAL: N/A	SIZE: C	DRAWN: TLP	DWG NO. 102017
TOLERANCE: ±0.010" UNLESS NOTED	SCALE: N/A	DATE: 4/12/2002	SHEET 2 OF 2