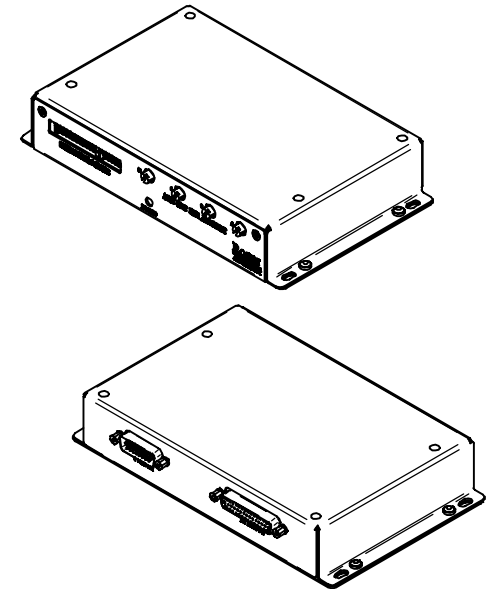
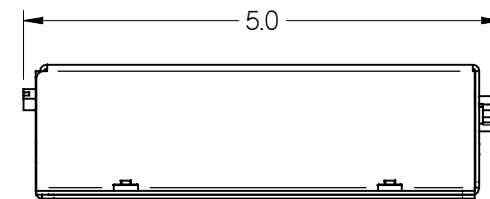
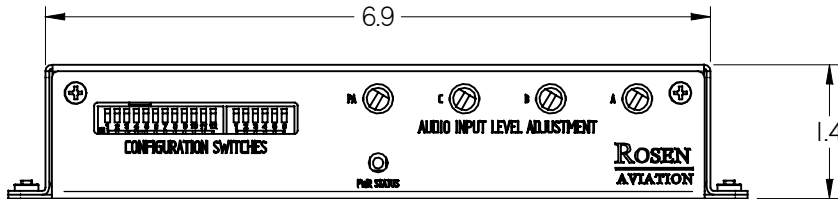
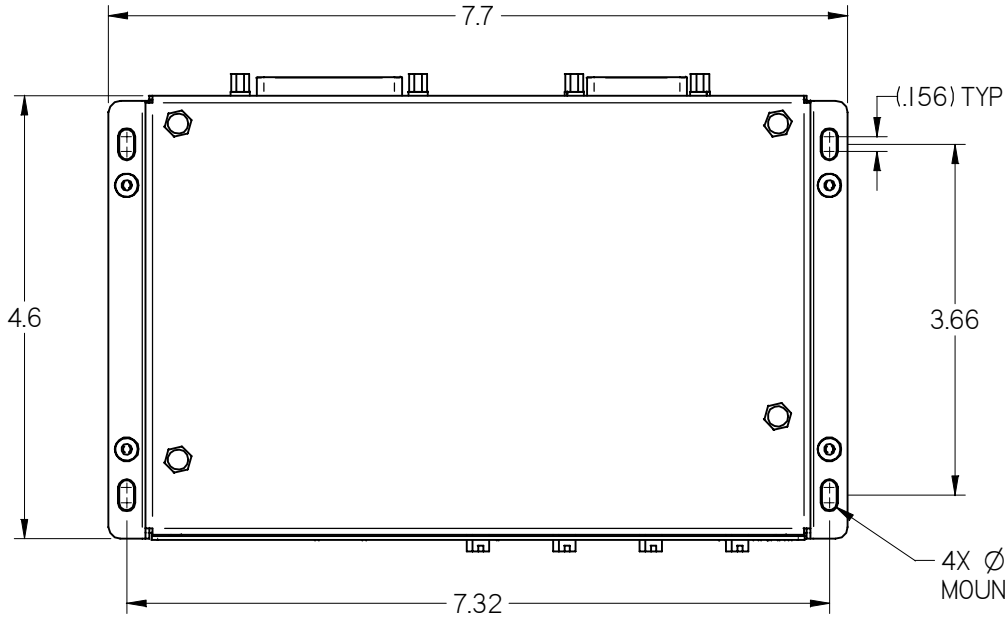


NOTES: (unless otherwise specified)

1. ASSEMBLY WEIGHT: .85 LBS. ±5%.
2. SOME MINOR PARTS, LABELS AND INSTRUCTIONS OMITTED FOR CLARITY.
3. INSTALL USING ALL FOUR SLOTS.
4. USE SHIELDED TWISTED PAIR CABLING.
5. DO NOT PLUG OR UNPLUG AMPLIFIER WHEN POWER IS APPLIED.
6. CARE MUST BE TAKEN TO KEEP DEBRIS FROM ENTERING THE UNIT DURING INSTALLATION AND OPERATION.
7. ASSEMBLE MATING HARNESSES PER IPC/WHMA-A-620 CLASS 2.
8. REFER TO DOCUMENT 100318 FOR SPECIFIC CONFIGURATION DETAILS.



2

REVISIONS						
ZONE	REV	DESCRIPTION	DATE	BY	CHG NO	APRV
	A	RELEASE FOR PRODUCTION	01/02/08	DRF	EC07495	
	B	CHG TITLE AND NOTE'S 3 & 7	02/07/08	GJH	EC08056	DRF
	C	UPDATE NOTES AND SW CONFIG TABLE	03/10/08	GJH	EC08079	DRF
pg2	D	CORRECT CONNECTOR CALLOUT	09/11/08	GJH	EC08372	DRF
pg2	F	UPDATE PINOUT FUNCTION DESCRIPTION	05/06/09	GJH	EC09203	SJ

**ELECTRONIC REVISION
CONTROLLED**

REFER TO www.rosenaviation.com FOR THE LATEST REVISION INFORMATION.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 .X = ± .1
 .XX = ± .03
 ⌀ = ± 5.0°
 RADI I = ± .020
 INTERPRET DIM AND TOL PER ASME Y14.5M - 1994

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Rosen AVIATION 1020 OWEN LOOP SOUTH EUGENE, OREGON 97402 TEL: (541) 342-3802 FAX: (541) 342-4912	APPROVALS	INITIAL	DATE	
	DRAWN BY	DRF	07/09/07	
	CHECKER	PJC	12/19/07	
	ENGINEER	DRF	01/02/08	
TITLE OUTLINE & INSTALLATION DRAWING, HEADPHONE DISTRIBUTION AMPLIFIER			DWG NO 0700-001-CD	
FIRST CALLED FOR: (FCF)			SIZE A	REV F
SCALE 1:2		SHEET 1 OF 2		

P1 - Input Connector

Connector Type: DB26 HD Male	
Rosen Connector Kit: 0300-043 MOD 00	
Pin #	Function
1	28 Volts (Power)
2	Audio Input A Left Signal
3	Audio Input A Right Signal
4	Audio Input B Left Signal
5	Audio Input B Right Signal
6	Audio Input C Left Signal
7	Audio Input C Right Signal
8	Microphone Signal
9	PA Override
10	28 Volt Return (GND)
11	Audio Input A Left Return
12	Audio Input A Right Return
13	Audio Input B Left Return
14	Audio Input B Right Return
15	Audio Input C Left Return
16	Audio Input C Right Return
17	Microphone Return
18	Reserved
19	Headphone #1 Channel Sel Discrete
20	Headphone #2 Channel Sel Discrete
21	Headphone #3 Channel Sel Discrete
22	Headphone #4 Channel Sel Discrete
23	Headphone #5 Channel Sel Discrete
24	Headphone #6 Channel Sel Discrete
25	Headphone #7 Channel Sel Discrete
26	Headphone #8 Channel Sel Discrete

P2 - Output Connector

Connector Type: DB44 HD Female			
Rosen Connector Kit: 0300-042 MOD 00			
Pin #	Function	Pin #	Function
1	Headphone # 1 Signal Left	23	#4 +5V Out Return
2	Headphone # 1 Signal Right	24	#5 +5V Out
3	Headphone # 2 Signal Left	25	#5 +5V Out Return
4	Headphone # 2 Signal Right	26	#6 +5V Out
5	Headphone # 3 Signal Left	27	#6 +5V Out Return
6	Headphone # 3 Signal Right	28	#7 +5V Out
7	Headphone # 4 Signal Left	29	#7 +5V Out Return
8	Headphone # 4 Signal Right	30	Headphone #8 Signal Right
9	Headphone # 5 Signal Left	31	Headphone #1 GND
10	Headphone # 5 Signal Right	32	Headphone #2 GND
11	Headphone # 6 Signal Left	33	Headphone #3 GND
12	Headphone # 6 Signal Right	34	Headphone #4 GND
13	Headphone #7 Signal Left	35	Headphone #5 GND
14	Headphone #7 Signal Right	36	Headphone #6 GND
15	Headphone #8 Signal Left	37	Headphone #7 GND
16	#1 +5V Out	38	Headphone #8 GND
17	#1 +5V Out Return	39	Reserved
18	#2 +5V Out	40	Reserved
19	#2 +5V Out Return	41	Reserved
20	#3 +5V Out	42	Reserved
21	#3 +5V Out Return	43	#8 +5V Out
22	#4 +5V Out	44	#8 +5V Out Return

Configuration Switches

Output	DIP
Channel 1	1
	2
Channel 2	3
	4
Channel 3	5
	6
Channel 4	7
	8
Channel 5	9
	10
Channel 6	11
	12
Channel 7	1
	2
Channel 8	3
	4
5V Power	5
Ch. C Control	6

Performance Specifications (Reference)

Power Requirements	
Nominal Voltage/Current	28VDC/ .12A
Inrush Current	24A for 8μsec
Op Voltage Range	18-32VDC
Maximum Current Draw	.97A
Power Consumption	35 W Max

Environmental Specifications	
Operating Temperature	0°C to 50°C
Altitude	A1
Humidity	CAT. A
Vibration	CAT. S. CURVE B
Power Input	Z/B
Radio Frequency Susceptibility	CAT. T
Emission of RF Energy	CAT. B

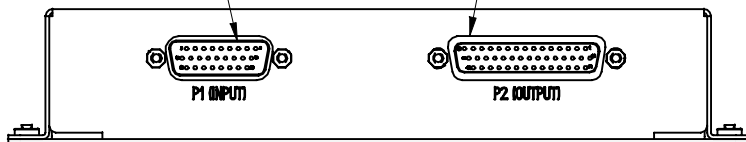
**Do not configure both DIP switches of a given Output Channel to both 'ON*

A

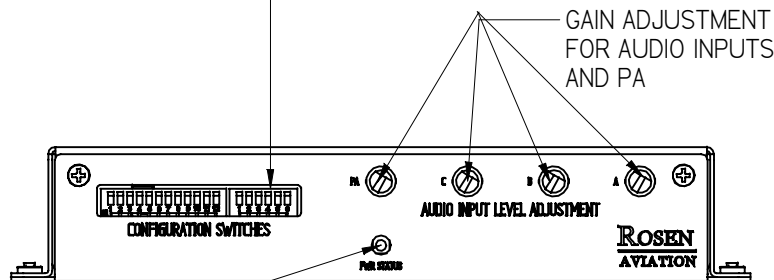
A

B

B



1:2



POWER LED

1:2

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	SCALE NONE	SHEET 2 OF 2	