

NOTES: (unless otherwise specified)

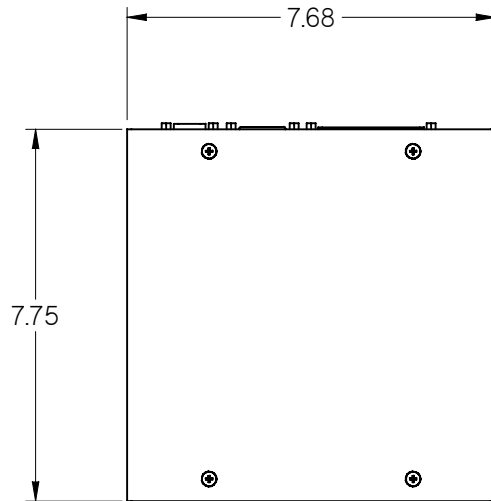
1. ASSEMBLY WEIGHT = 3.5 LBS ± 10%
2. FREE AIR VENTILATION REQUIRED. LEAVE PERFORATED VENT AREAS ON THE FRONT AND BACK SURFACES UNBLOCKED FOR VENTILATION. ONE INCH (1") MINIMUM CLEARANCE TO ANY BAFFLES OR BENDS IN DUCTING. A VENT PATTERN OR OPENING IN CABINET MUST HAVE 5.5 SQUARE INCHES OF OPEN AREA.
3. USE RGB OUTPUT TO MONITORS LARGER THAN 10.4" FOR BEST VIDEO CLARITY.
4. FOR IR CODES REFER TO SETUP MANUAL 101126 ON CONFIGURATION CD 100348.

5. MOUNTING FASTENERS MAX. PENETRATION INTO HOUSING IS .25 INCHES.

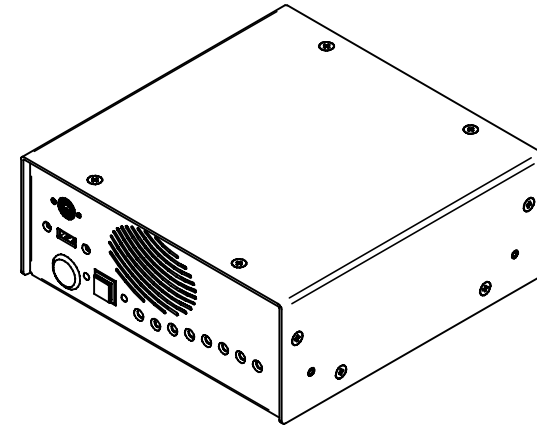
2

REVISIONS						
ZONE	REV	DESCRIPTION	DATE	BY	CHG NO	APRV
	A	INITIAL DRAWING RELEASE	01/15/08	GJH	ECO7482	

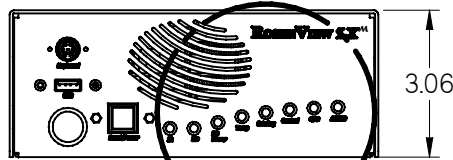
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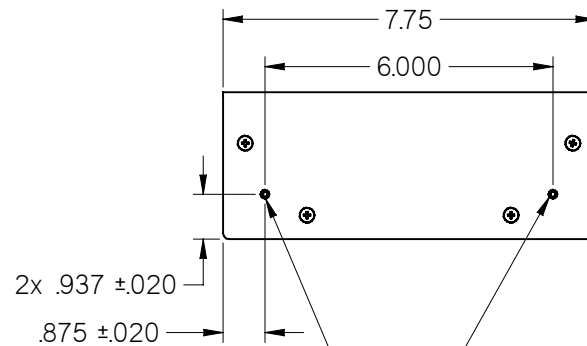
**ELECTRONIC REVISION CONTROLLED**



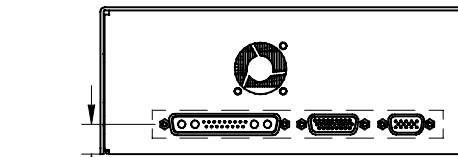
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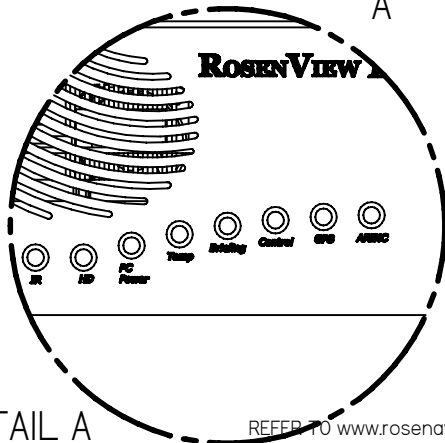


5 2x 6-32 MOUNTING HOLES - BOTH SIDES



(.62) DETAIL B, SEE SHEET 2

B



DETAIL A

REFER TO [www.rosenaviation.com](http://www.rosenaviation.com) FOR THE LATEST REVISION INFORMATION.

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<b>ROSEN AVIATION</b> 1020 OWEN LOOP SOUTH EUGENE, OREGON 97402 TEL: (541) 342-3802 FAX: (541) 342-4912	APPROVALS	INITIAL	DATE
	DRAWN BY	SC	09/18/07
	CHECKER	JBM	12/05/07
	ENGINEER	SDL	01/15/08
TITLE	DWG NO		
OUTLINE AND INSTALLATION ROSENVIEW LXM	0603-002-CD		
FIRST CALLED FOR: (FCF)	SIZE	REV	
ROSENVIEW LXM	A	A	
	SCALE 1:4	SHEET	1 OF 2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XX = ± .030
.XXX = ± .010
∑ = ± 1.0°
RADI = ± .020
INTERPRET DIM AND TOL PER ASME Y14.5M - 1994

2

### J1 - MAIN INTERFACE CONNECTOR - 21WA4

Connector Type: Combo-D 21WA4 (Male)	
Rosen Connector Kit: 0300-034 (Included)	
Pin #	Signal
1	28V return
2	28V
3	TTL in -Briefing 1 switch input* (Ground Active)
4	TTL in -Briefing 2 switch input* (Ground Active)
5	TTL in -Briefing 3 switch input* (Ground Active)
6	TTL in -Briefing 4 switch input* (Ground Active)
7	TTL in -Briefing play switch input* (Ground Active)
8	In-Briefing cancel switch input (Ground Active)
9	TTL in -Mode Select* (Ground Active)
10	28V Return (not necessary if Pin 1 connected)
11	28V (not necessary if Pin 2 connected)
12	Audio mute (PA override) input (Ground Active)***
13	Briefing Active LED output*
14	Briefing Active output**
15	Briefing Active Output(ground active)**
16	Discrete out 4 (unassigned)**
17	GND
Coax Pin A1	S-Video Y
Coax Pin A2	S-Video C
Coax Pin A3	Composite Video out 1
Coax Pin A4	Composite Video out 2

Notes:  
 \*Pins 3-8 and 13 are usually connected to the optional Rosen 0300-410 Briefing Control Panel. All inputs are activated by momentary switches to ground. Pin 13 is used to connect to a LED, 2V at 10-15 mA  
 \*\* Discrete output pins 14 and 16 are 5V active logic outputs. DO NOT connect these pins to any device with an open circuit voltage greater than 5V DC. Pin 14 is 5V at 15mA maximum while briefing is active, pin 15 is 28V tolerant output low when briefing is active.  
 Contact Rosen for custom configurations of unassigned pins.  
 \*\*\* Pauses briefing when active

### J2 - Data Interface Connector - 26 Pin D-Sub

Connector Type: 26 pin High Density D-Sub(Female)	
Rosen Connector Kit: 0300-032 (Included)	
Pin #	Signal
1	Left Audio Signal Out
2	Audio GND
3	Right Audio Signal Out
4	GND
5	ARINC 429 Data - Data receiver 1 positive input
6	ARINC 429 Data - Data receiver 1 negative input
7	ARINC 429 Data - Data receiver 2 positive input
8	ARINC 429 Data - Data receiver 2 negative input
9	XM WX RS-232 GND
10	RS-232 Input (GPS)
11	RS-232 GND(Do not attach to aircraft ground)
12	Rosenview Controller +5V Out
13	RS-485 A input
14	RS-485 B input
15	RS-485 A output
16	RS-485 B output
17	GND
18	RS-232 Input (control)
19	RS-232 output (control) (unassigned)
20	RS-232 gnd (control)(Do not attach to aircraft ground)
21	XM WX RS-232 In
22	IR + 5V output
23	Demodulated IR Signal input*
24	IR Ground*
25	XM WX RS-232 Out
26	GND

Note:  
 \* Do NOT connect any device to pin 23 that has a signal voltage greater than 5V. Do NOT connect an unmodulated IR receiver such as a pin diode from an IR repeater.

### OPTIONAL CONTROLLERS

(PASSENGER) 7 BUTTON CONTROLLER, BRUSHED ALUMINUM	0300-407
(COCKPIT) BRIEFING CONTROLLER, BLACK	0300-410
(COCKPIT) BRIEFING CONTROLLER, GRAY	0300-411

### Performance Specifications (Reference)

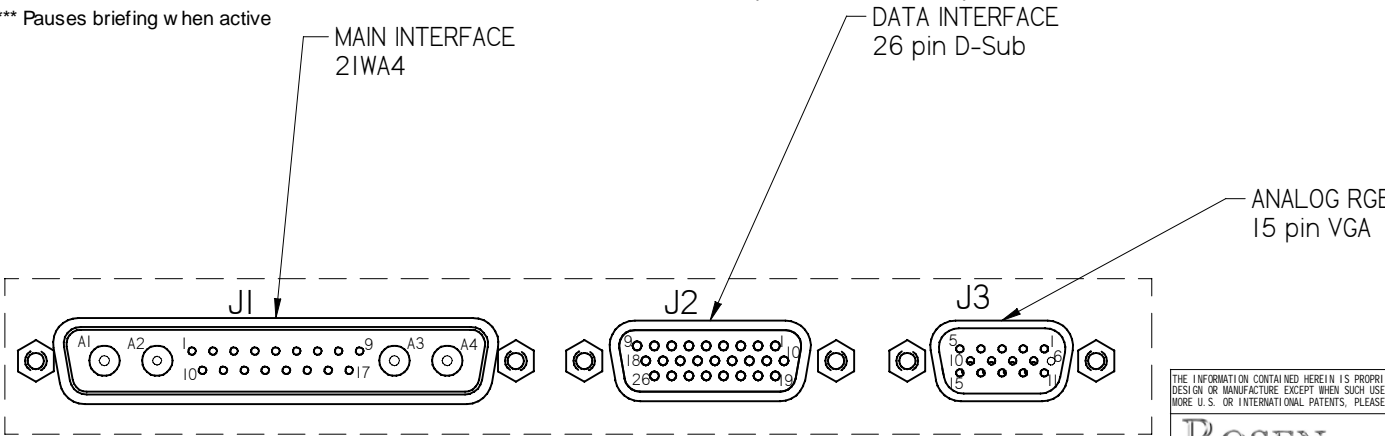
Power Requirements	
Nominal Voltages	28VDC
Nominal Current	1.1A ±10%

### Environmental Specifications

Operating Temperature	0°C to 50°C
Altitude	A1 (50,000ft)
Humidity	A
Vibration	CAT S, Curve B2
Power Input	A, B
Radio Frequency	TT
Emission of RF Energy	M

### J3 - ANALOG RGB - 15 Pin VGA

Connector Type: 15 pin High Density VGA (Female)	
Rosen Connector Kit: 0300-026 (Included)	
Pin #	Signal
1	Red signal
2	Green signal
3	Blue signal
4	NC
5	GND
6	GND (Red return)
7	GND (Green return)
8	GND (Blue return)
9	NC
10	GND (Sync return)
11	NC
12	DDDA
13	H Sync
14	V Sync
15	DDCK



DETAIL B, SEE SHEET I

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	1020 OWEN LOOP SOUTH EUGENE, OREGON 97402 TEL: (541) 342-3802 FAX: (541) 342-4912	SIZE DWG NO <b>A</b> 0603-002-CD	REV A
	SCALE NONE SHEET 2 OF 2		