



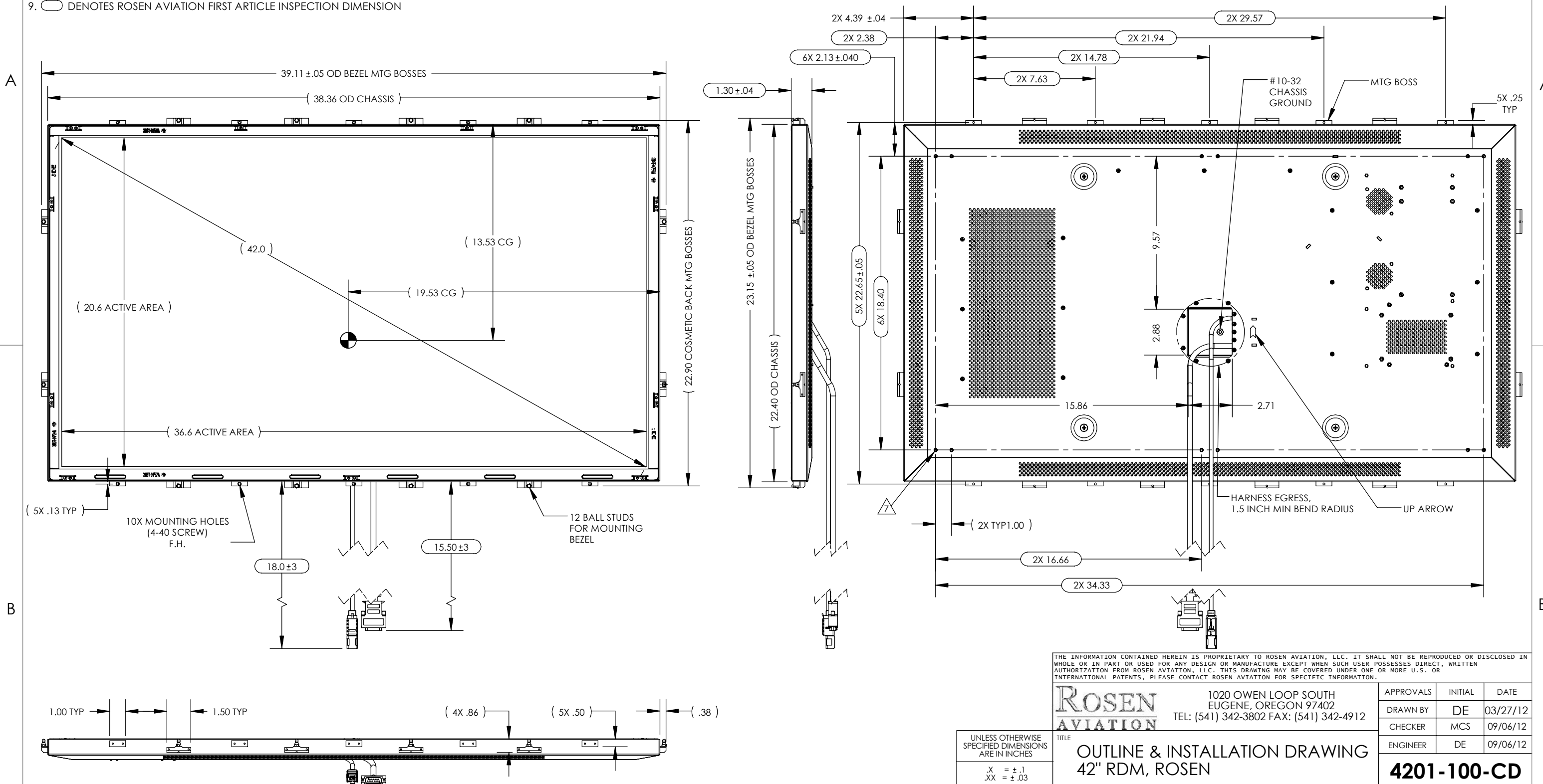
NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ASSEMBLY WEIGHT: 26.5 LBS. ±10%
2. HARNESS LENGTH: AS SHOWN
3. OBSERVE ESD SAFE HANDLING PRACTICES
4. SOME MINOR PARTS, LABELS, HARNESSES AND INSTRUCTION OMITTED FOR CLARITY
5. VENTING REQUIREMENTS: 1/2" CLEARANCE TO TOP AND BOTTOM VENT HOLES OR 1/2" CLEARANCE TO BACK OF UNIT. MINIMUM CLEARANCE ACROSS BACK OF UNIT 3/16"
6. MINIMUM OF 10 EA 4-40 FASTENERS REQUIRED FOR MOUNTING

7.  OPTIONAL #8-32 MOUNTING HOLES FOR BACK MOUNTING, MINIMUM 12 EA #8-32 FASTENERS REQ'D. MAXIMUM 1/4" PROJECTION OF FASTENER INTO CHASSIS FROM BACK SIDE
8. MATING CONNECTOR KITS NOT INCLUDED
9.  DENOTES ROSEN AVIATION FIRST ARTICLE INSPECTION DIMENSION

ELECTRONIC REVISION CONTROLLED

REVISIONS						
ZONE	REV	DESCRIPTION	DATE	BY	EC NO.	APRV
	1.0	PRELIMINARY RELEASE	4/4/12	DE		BEF
	A	RELEASE TO PRODUCTION	09/07/12	DE	12-0514	



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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	DE	03/27/12
				CHECKER	MCS	09/06/12
				ENGINEER	DE	09/06/12
				4201-100-CD		
				SIZE		REV
				B		A
				SCALE: 1:6	SHEET 1 OF 2	

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

TITLE
OUTLINE & INSTALLATION DRAWING
42" RDM, ROSEN

FIRST CALLED FOR: (FCF)
42in Rosen - 264

PERFORMANCE SPECIFICATIONS (REF)

LCD Performance*	
Screen Resolution (pixels)	1920 x 1080
Display Viewing Area (mm)	930.24 X 523.26
Horizontal Viewing Angle	±89°
Vertical Viewing Angle	±89°
Contrast Ratio (Typical)	1300:1
Screen Brightness (Typical)	450 cd/m ² typ

Power Requirements**	
Power Consumption	110W Max

Environmental Specifications	
Operating Temperature	0°C - 50°C
Altitude	15,000ft
Humidity	95%RH
Vibration	1.48 grms
Power Input	DO-160E Cat Z(A)
Radio Frequency	DO-160F Cat T
Emission of RF Energy	DO-160F Cat M

* LCD Manufacturer's Specifications

** See 0700-107-CD drawing for additional power information

Connector Plug (P3) Pinout - 15 Position

Connector: 15 Pin Male, Tyco 205206-3
Mate: 15 Pin Female Tyco 205205-2 Contact: 66504-3 Connector Kit: 0300-053

Pin #	Monitor signal
1	Reserved
2	PWR_POS
3	PWR_POS
4	PWR_POS
5	PWR_POS
6	Reserved
7	Ground
8	RS232_RX
9	Reserved
10	PWR_NEG
11	PWR_NEG
12	PWR_NEG
13	PWR_NEG
14	IR
15	RS232_TX

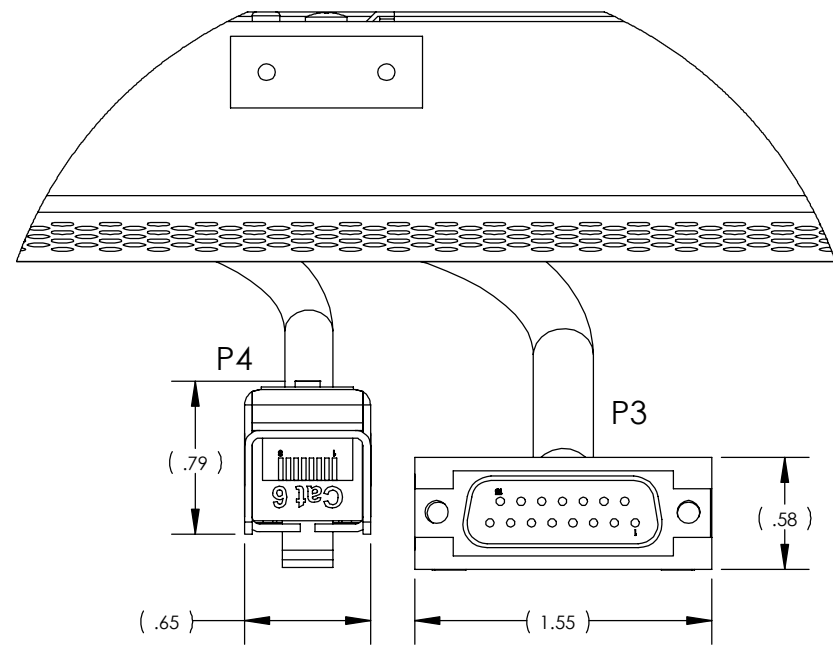
FOR INTERCONNECT CABLE RECOMMENDATIONS, SEE ROSEN DOCUMENT: 105821

Female RJ-45 (P4)

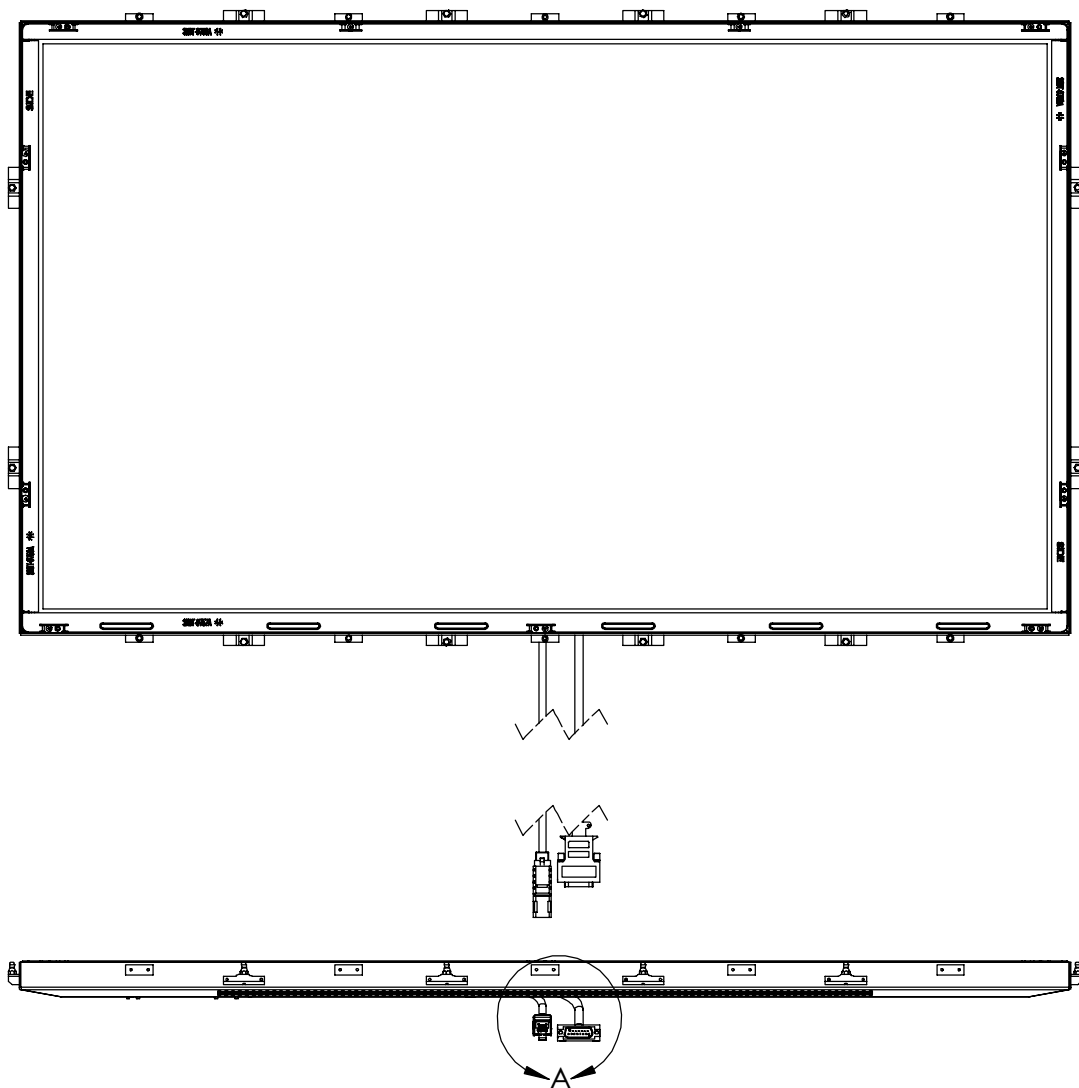
Mates Male RJ-45 Connector Kit: 0300-050

Pin #	Monitor signal
1	CAT6_+12V
2	Ground
3	CAT6_HTPDN
4	CAT6_TX0_N
5	CAT6_TX0_P
6	CAT6_LOCKN
7	CAT6_TX1_N
8	CAT6_TX1_P
Shell	Ground

FOR INTERCONNECT CABLE RECOMMENDATIONS, SEE ROSEN DOCUMENT: 105821



DETAIL A
SCALE 1 : 1



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	SCALE: 1:6	SHEET 2 OF 2	