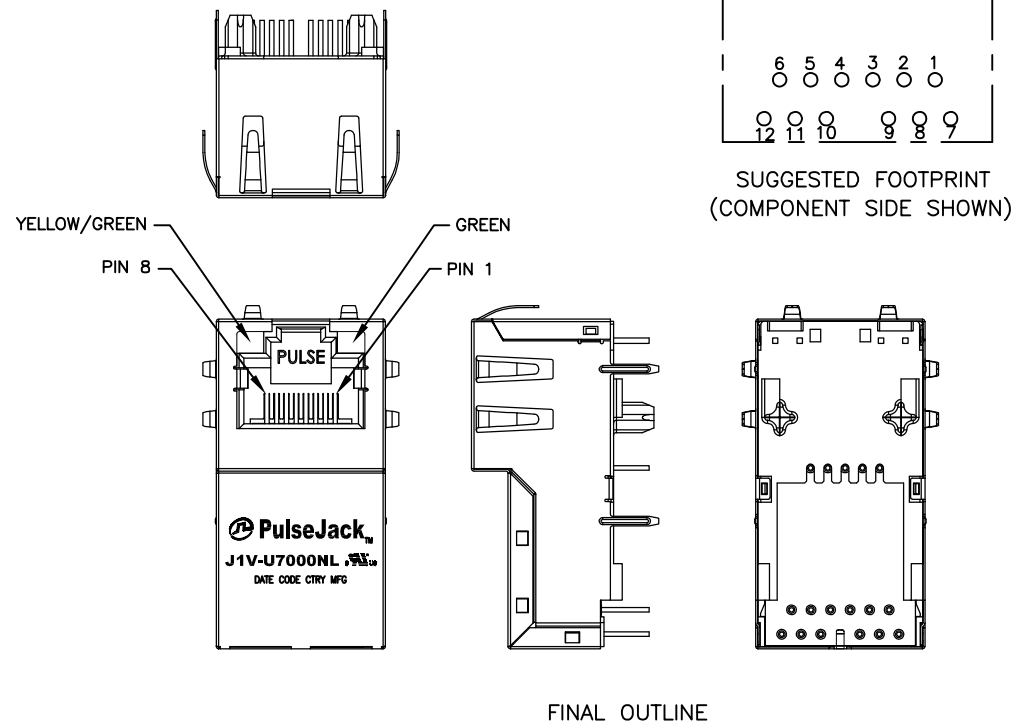


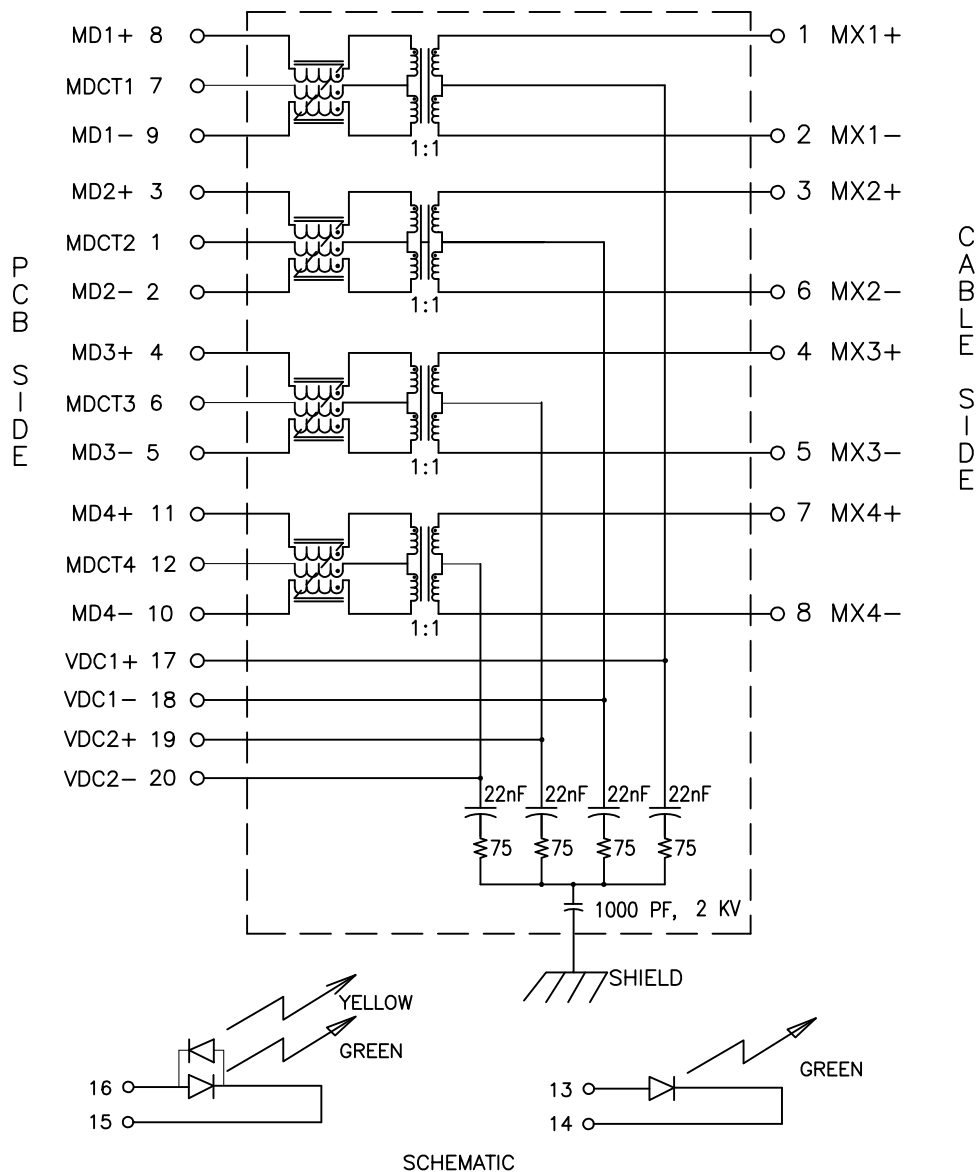
NOTES:

1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 30 MICRO-INCH GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 50μ INCHES MIN NICKEL
6. SOLDER TAIL PLATING : 200-500 μINCHES 100% TIN, MATTE FINISH.
7. METAL SHIELD: NICKEL PLATING ON COPPER ALLOY.
8. JACK CAVITY CONFORMS TO FCC PART 68 SUBPART.
9. PCB PLATING: HASL
10. STORAGE TEMPERATURE: -20°C TO +125°C
11. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C DIP AND LOOK TEST
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: W2, 270°C MAXIMUM THROUGH WAVE SOLDER
 - D. J-STD-075: R4, 260°C MAXIMUM REFLOW SOLDER



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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,10GPP,1:1,TY	J1V-U7000NL-12	PS-2880.002-B	1 OF 5	J1V-U7000NL	B



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C TO +70°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1–400 MHz	
	–3.0 dB MAX	–2.0 dB MAX (–1.4 dB TYP)	
RETURN LOSS (Z OUT = 100 OHM ± 1%)	1–100 MHz	100 MHz–500 MHz	
	–22 dB MIN	–22 + 20.75*LOG ₁₀ (f/100)	
INDUCTANCE (OCL)	150 uH MIN @ 100 kHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS	1–100 MHz	100–500 MHz	
	–28 dB MIN	–19 dB MIN	
COMMON MODE REJECTION RATIO	1–40 MHz	40–100 MHz	100–500 MHz
	–30 dB MIN	–28 dB MIN	–26 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1–250 MHz	250–500 MHz	
	–30 dB MIN	–22 dB MIN	
CURRENT CARRYING CAPABILITY, RJ45 PINS 1–8	600 mA MAX		
INPUT – OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

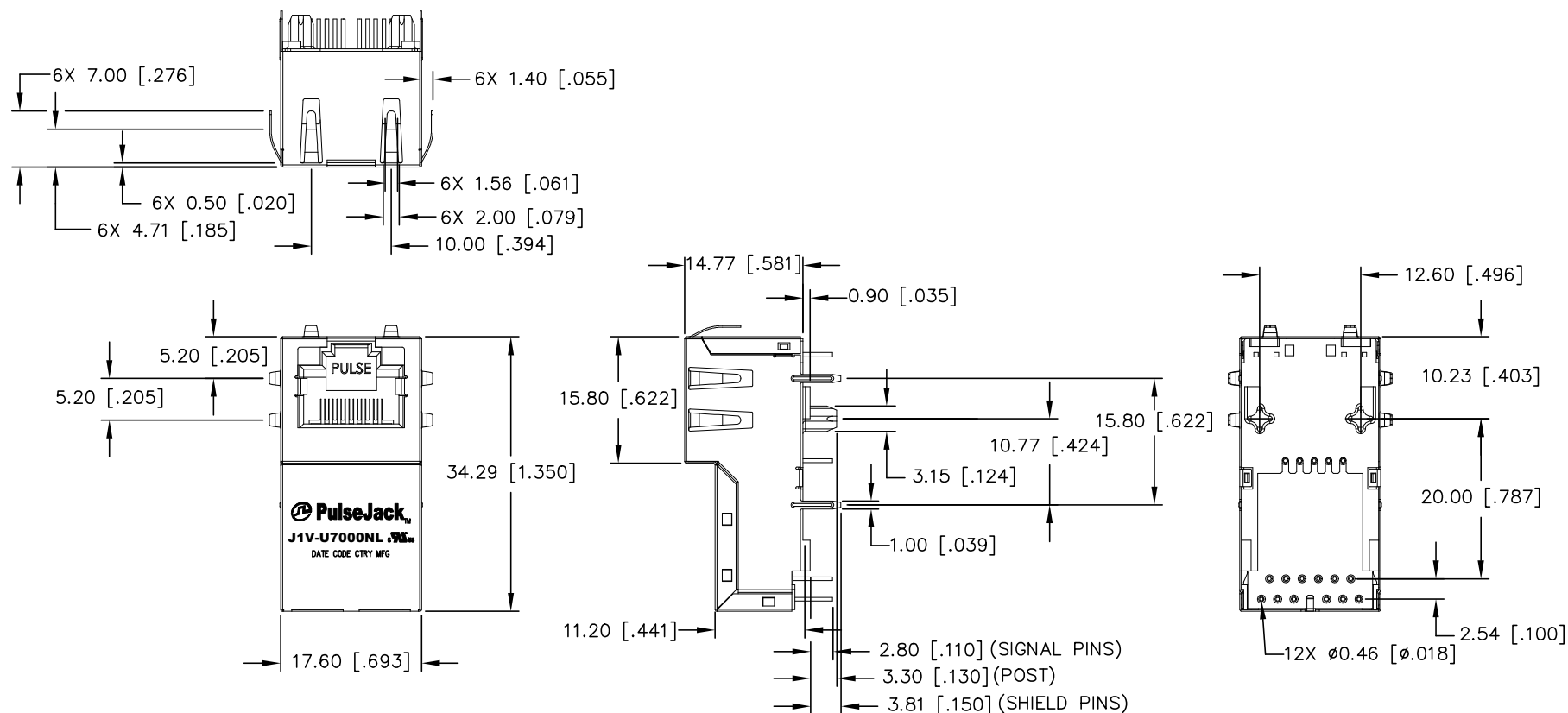
NOTE: f IS FREQUENCY IN MHZ.

EMMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	568 nm	585 nm
BRIGHTNESS (mCD)	8.5 TYP. @ 20mA	6.0 TYP. @ 20mA
VIEWING ANGLE	85°-100°	85°-100°
POWER DISSIPATION (Pd)	100 mW MAX	100 mW MAX
DC FORWARD CURRENT	150 mA MAX	150 mA MAX
FORWARD VOLTAGE (Vf)	2.2 TO 2.6 VOLTS	2.1 TO 2.6 VOLTS
REVERSE VOLTAGE (Vr)	5.0 V MAX	5.0 V MAX

NOTE: PER VENDOR'S SPECIFICATIONS

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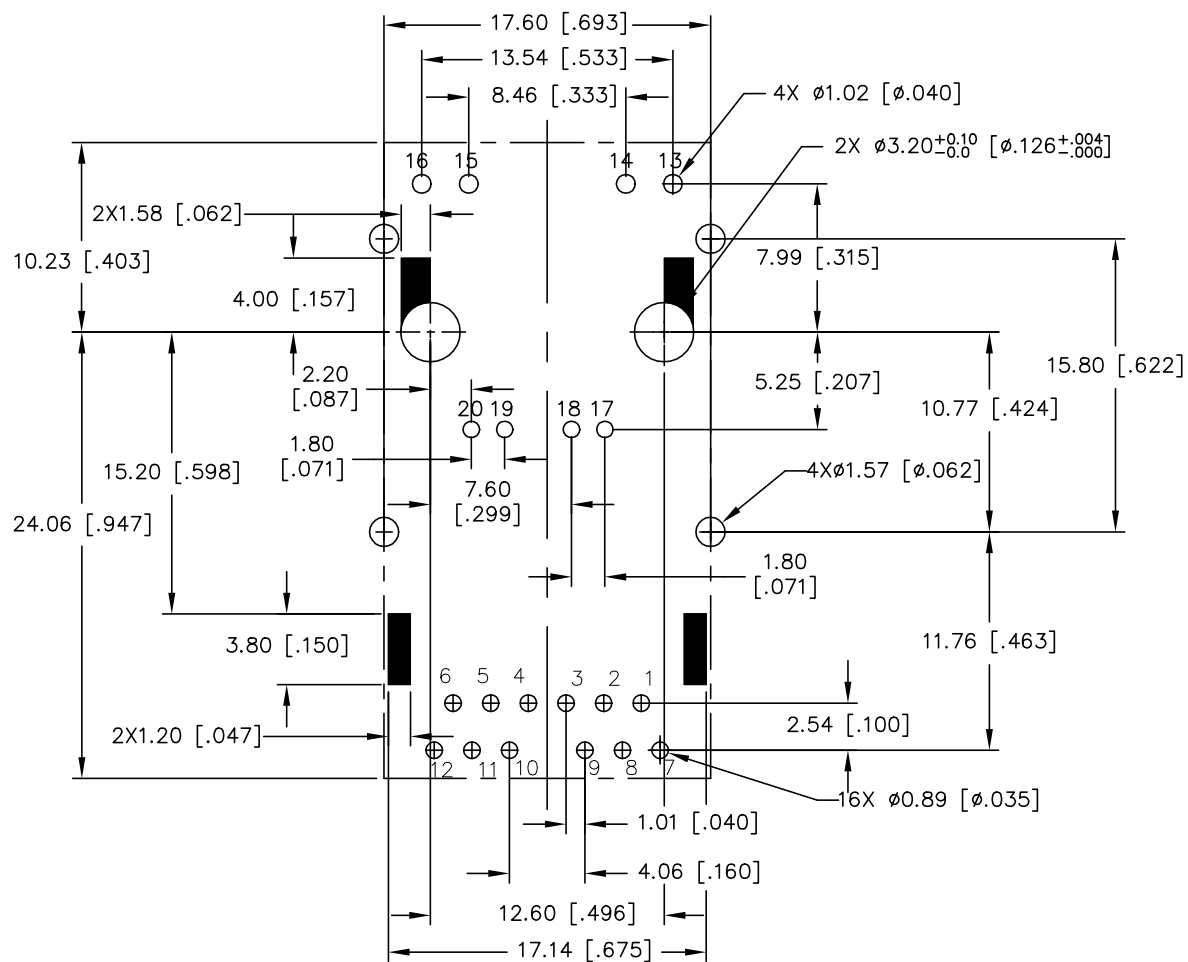
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,10GPP,1:1,TY	J1V-U7000NL-12	PS-2880.002-B	2 OF 5	J1V-U7000NL	B



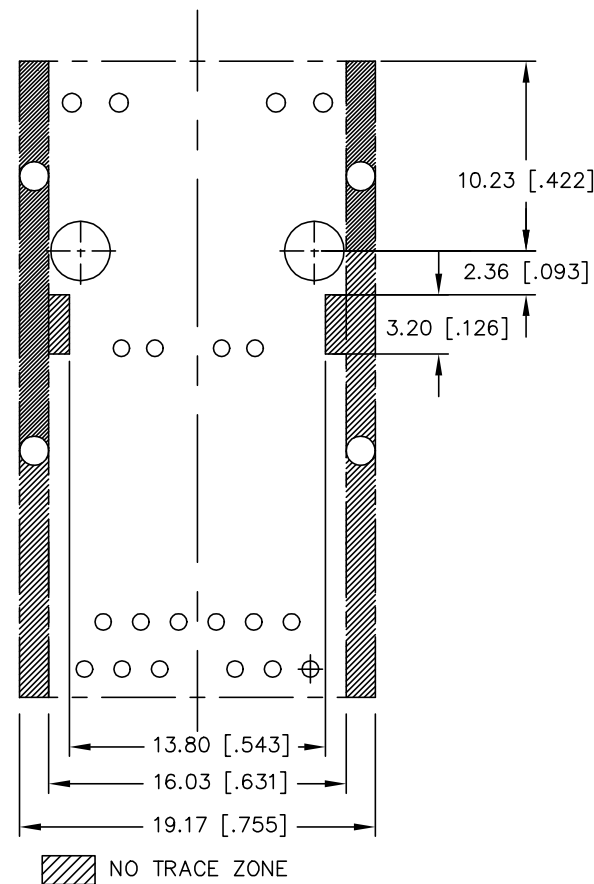
DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING
TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.
X.XX [.XXX] = ± 0.25 [± 0.010]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,10GPP,1:1,TY	J1V-U7000NL-12	PS-2880.002-B	3 OF 5	J1V-U7000NL	B



SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)



NO TRACE ZONE

DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING

TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.

X.XX [.XXX] = ± 0.05 [± 0.002]

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PRODUCT DESCRIPTION

CONN,RJ45,1X1,10GPP,1:1,TY

TLA DRAWING

J1V-U7000NL-12

PS DRAWING

PS-2880.002-B

SHEET

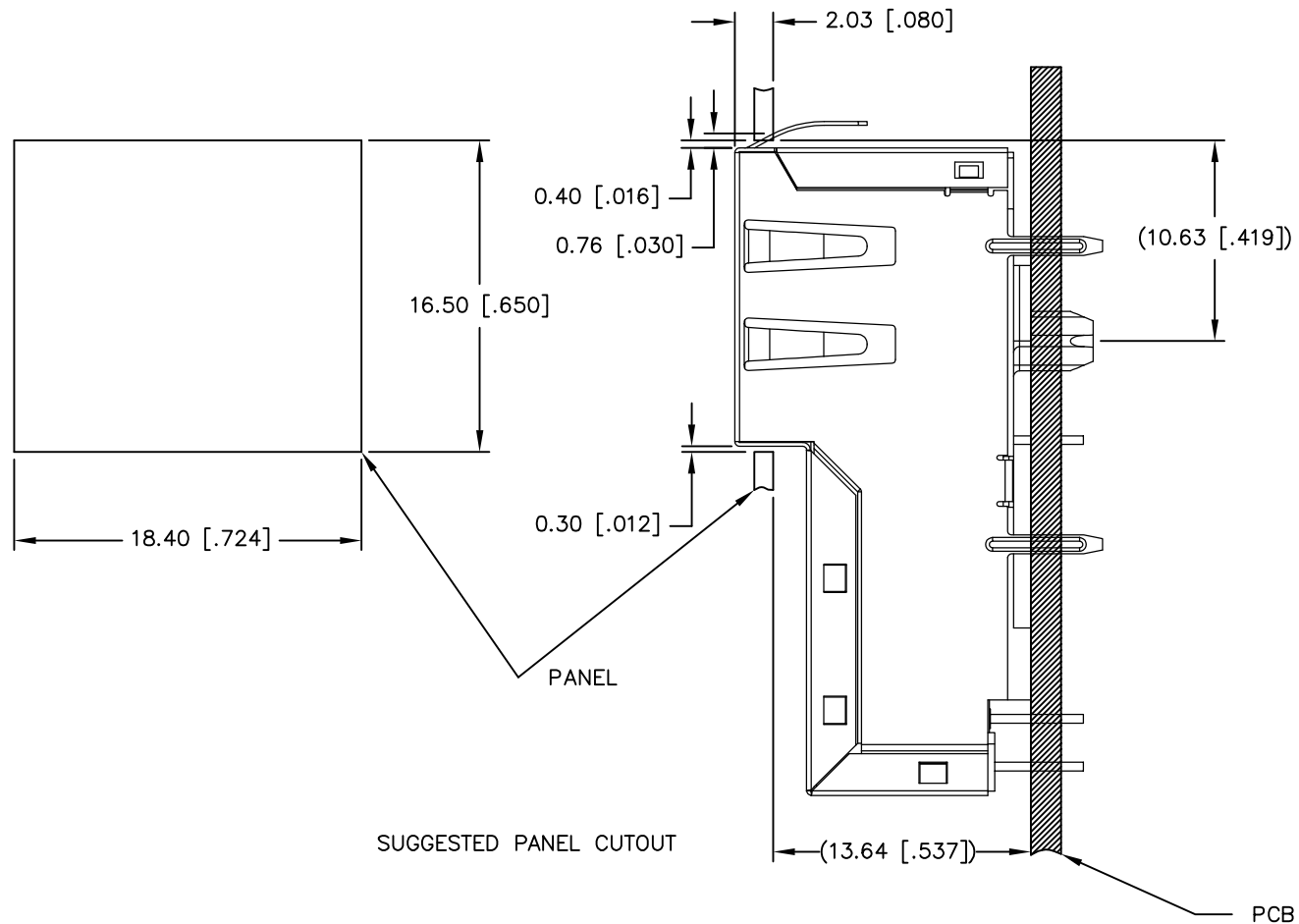
4 OF 5

PART NO.

J1V-U7000NL

DATASHEET REV.

B



ALL DIMENSION ARE SHOWN IN MILLIMETERS.
DIMENSIONS SHOWN IN BRACKETS ARE
INCHES. UNLESS OTHERWISE SPECIFIED,
THE FOLLOWING TOLERANCES APPLY:

X.XX [.XXX] = ± 0.10 [$\pm .004$]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,10GPP,1:1,TY	J1V-U7000NL-12	PS-2880.002-B	5 OF 5	J1V-U7000NL	B