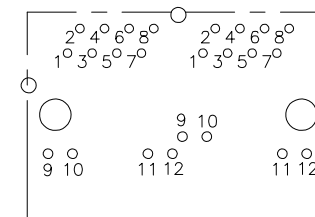
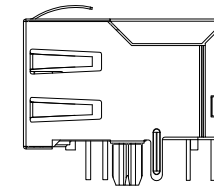
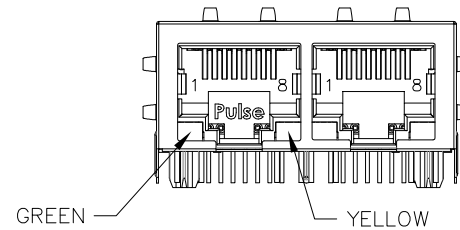
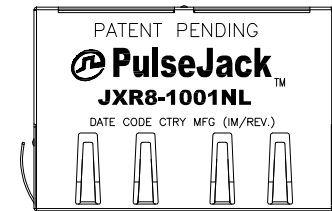


NOTES:

1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 15 μINCHES GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 30-50 μINCHES NICKEL
6. SOLDER TAIL PLATING : 150-300 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: -50°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: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER

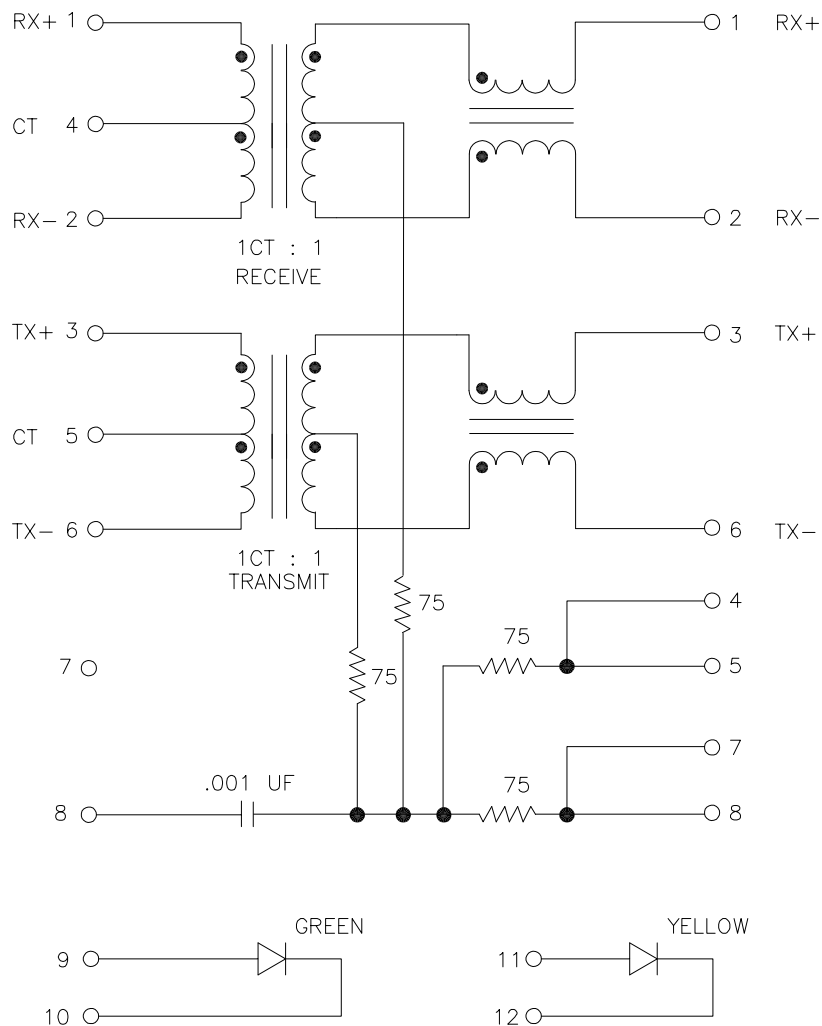
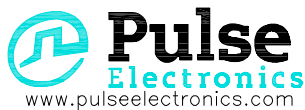


COMPONENT SIDE SHOWN

FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X2,100D,1:1,TY	JXR8-1001NL-X1	PS-01590.001-01	1 OF 5	JXR8-1001NL	A



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED MEETS IEEE 802.3 SPECIFICATION			
PARAMETER		SPECIFICATIONS	
OPERATING TEMP		-40°C TO +85°C	
TURNS RATIO		1.00 ± 2%	
POLARITY		PER SCHEMATIC	
INSERTION LOSS		100 KHz	1-125 MHz
		-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)		.1-30 MHz	30-60 MHz
		-16 dB MIN	-10+20*LOG ₁₀ (f/60 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)		350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)
CROSSTALK, ADJACENT CHANNELS		1 MHz	10-100 MHz
		-50 dB MIN	-55+22*LOG ₁₀ (f/10) dB MIN
COMMON MODE REJECTION RATIO		2 MHz	30-200 MHz
		-50 dB MIN	-15+20*LOG ₁₀ (f/200) dB MIN
DC RESISTANCE, 1/2 WINDING		.65 OHMS MAX	
DC RESISTANCE IMBALANCE		±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT - OUTPUT ISOLATION		1500 VRMS MIN @ 60 SECONDS	

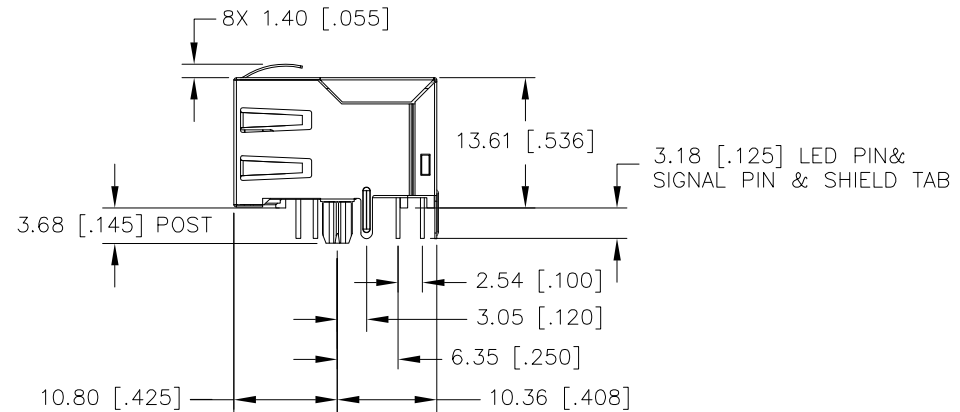
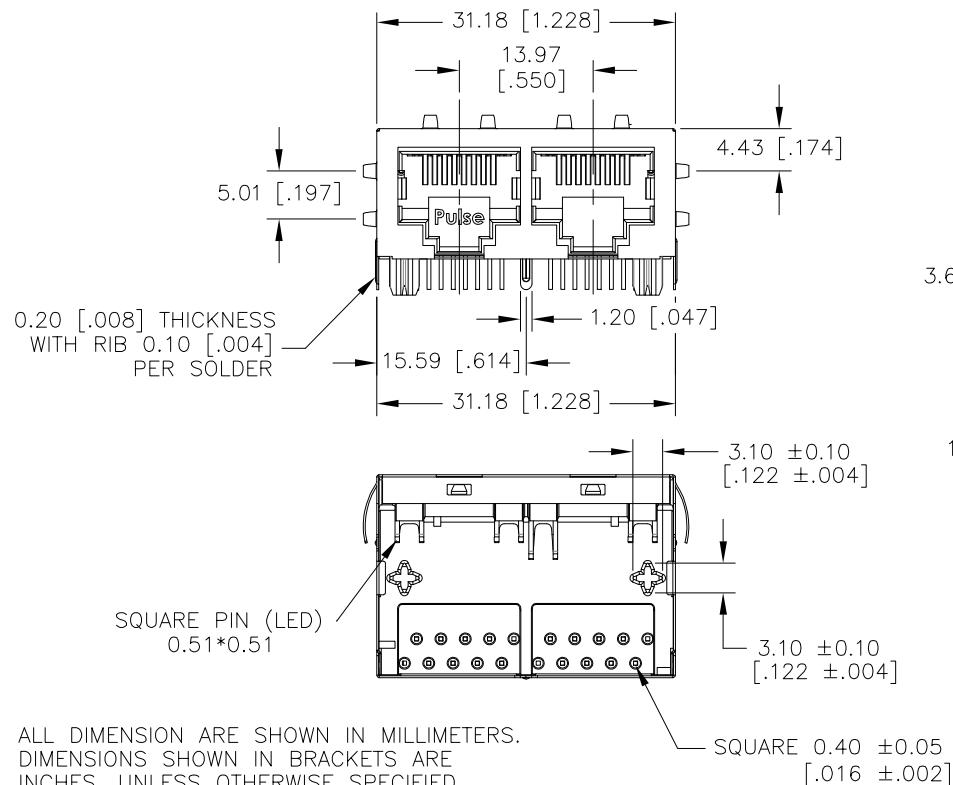
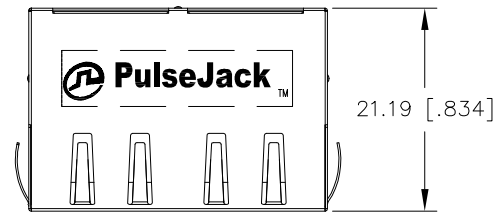
NOTE: f IS FREQUENCY IN MHz.

EMMITED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	568 nM	585 nM
BRIGHTNESS (mCD)	8 TO 12 TYP. ⊙ 20mA	8 TO 12 TYP. ⊙ 20mA
VIEWING ANGLE	100°	100°
POWER DISSIPATION (Pd)	100 mW MAX	100 mW MAX
DC FORWARD CURRENT	150 mA MAX	150 mA MAX
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,RJ45,1X2,100D,1:1,TY	JXR8-1001NL-X1	PS-01590.001-01	2 OF 5	JXR8-1001NL	A

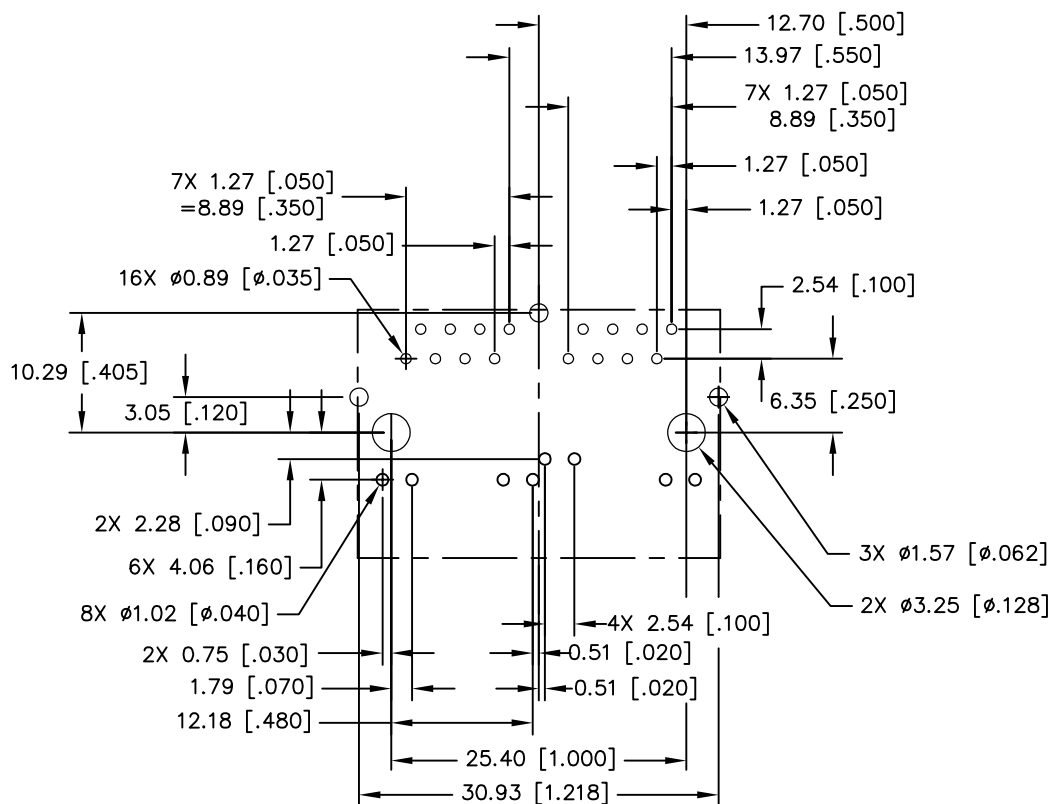


ALL DIMENSION ARE SHOWN IN MILLIMETERS.
DIMENSIONS SHOWN IN BRACKETS ARE
INCHES. UNLESS OTHERWISE SPECIFIED,
THE FOLLOWING TOLERANCES APPLY:

X.XX [.XXX] = ±0.25 [±.010]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X2,100D,1:1,TY	JXR8-1001NL-X1	PS-01590.001-01	3 OF 5	JXR8-1001NL	A



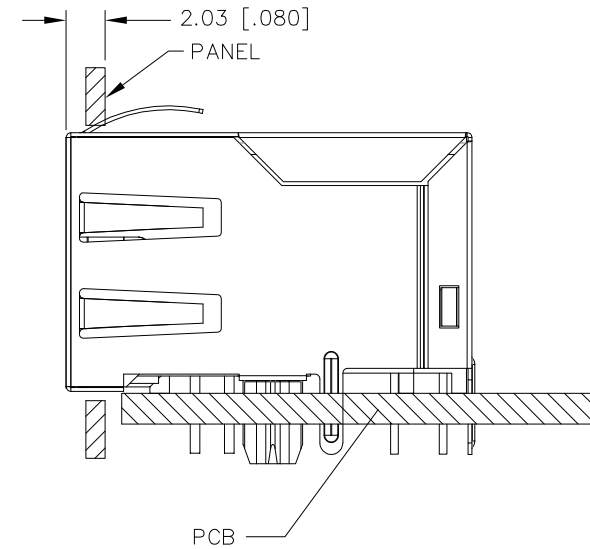
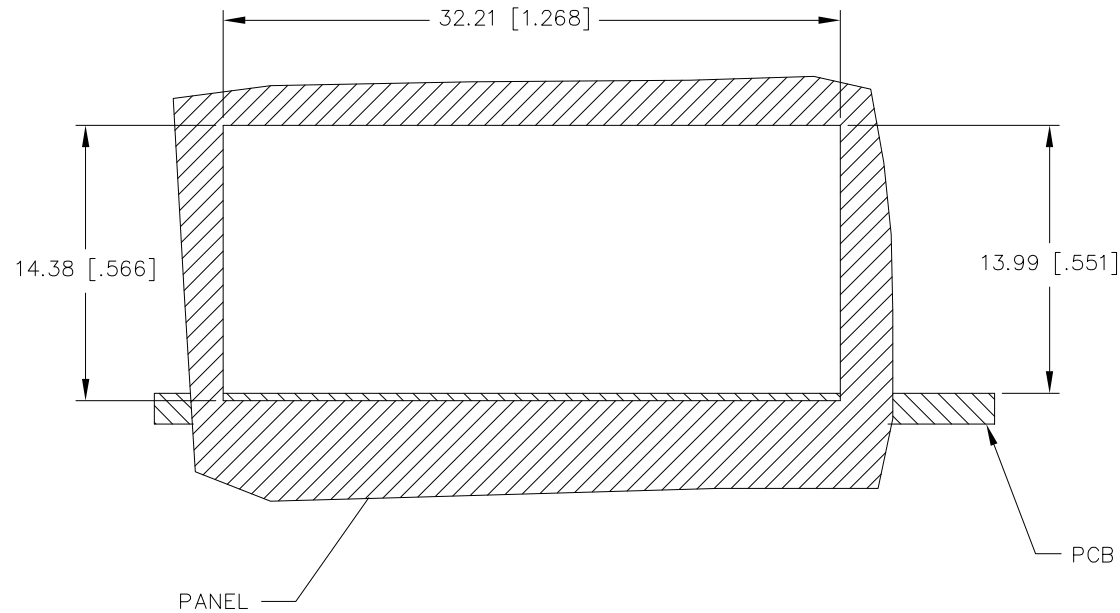
ALL DIMENSION ARE SHOWN IN MILLIMETERS.
DIMENSIONS SHOWN IN BRACKETS ARE
INCHES. UNLESS OTHERWISE SPECIFIED,
THE FOLLOWING TOLERANCES APPLY:

X.XX [.XXX] = ± 0.08 [± 0.003]

SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X2,100D,1:1,TY	JXR8-1001NL-X1	PS-01590.001-01	4 OF 5	JXR8-1001NL	A



SUGGESTED PANEL CUTOUT

ALL DIMENSION ARE SHOWN IN MILLIMETERS.
 DIMENSIONS SHOWN IN BRACKETS ARE
 INCHES. UNLESS OTHERWISE SPECIFIED,
 THE FOLLOWING TOLERANCES APPLY:
 X.XX [.XXX] = ± 0.10 [± 0.004]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X2,100D,1:1,TY	JXR8-1001NL-X1	PS-01590.001-01	5 OF 5	JXR8-1001NL	A