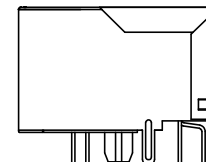
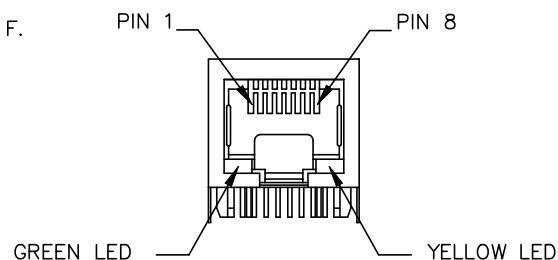
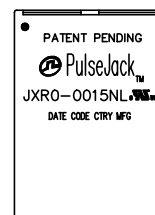




NOTES:

1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 15 MICRO-INCH GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 50u INCHES NICKEL
6. SOLDER TAIL PLATING : 120 uINCHES 100% TIN, MATTE FINISH.
7. METAL SHIELD: NICKEL PLATING ON COPPER ALLOY.
8. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F.
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. REFLOW PROFILE PEAK TEMPERATURE 245°C MAX/8 SECONDS



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JXR0-0015NL-11	PS-2160.001-C	1 OF 4	JXR0-0015NL	A



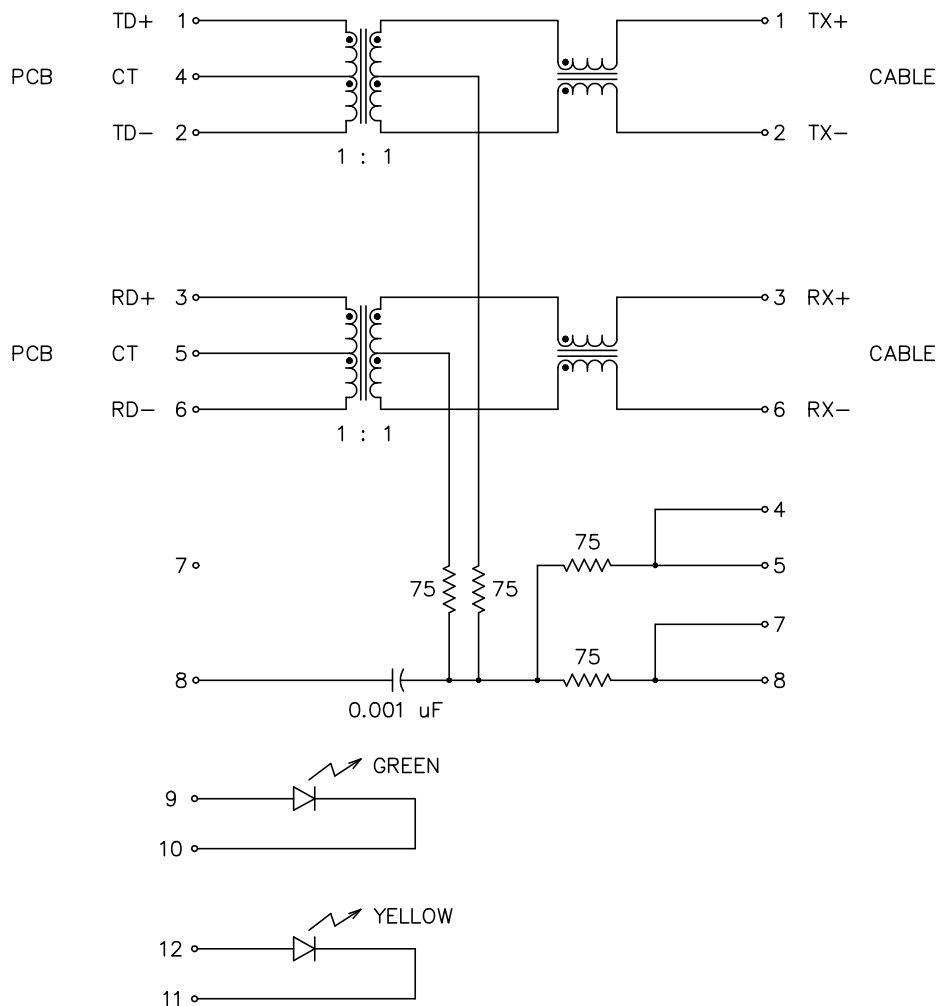
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

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	60-80 MHz
	-16 dB MIN	-10+20*LOG ₁₀ (f/60 MHz) dB MIN	-10 dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40°C-85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS ² AND WITH 8 mA DC BIAS)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz	
	-50 dB MIN	-50+17*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	.60 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.

EMMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	565 nM	590 nM
BRIGHTNESS (mCD)	1.8 TO 6 TYP. @ 10mA	1.8 TO 4 TYP. @ 10 mA
VIEWING ANGLE	110°	110°
POWER DISSIPATION (Pd)	105 mW MAX	105 mW MAX
PEAK FORWARD CURRENT (10 us PULSE)	140 mA MAX	140 mA MAX
FORWARD VOLTAGE (Vf)	2.2 TO 2.5 V	2.15 V TYP

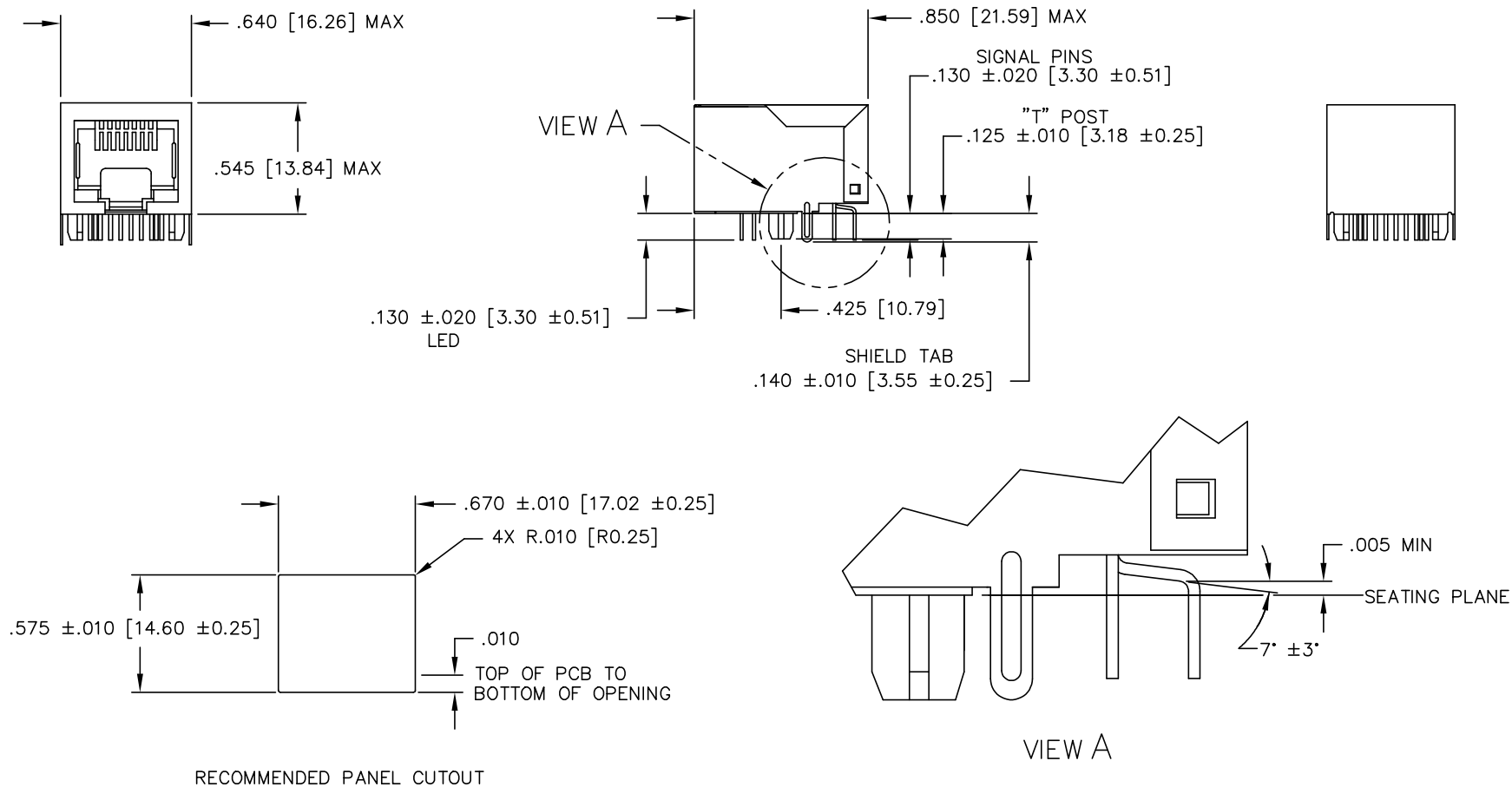
NOTE: PER VENDOR'S SPECIFICATIONS



SCHEMATIC

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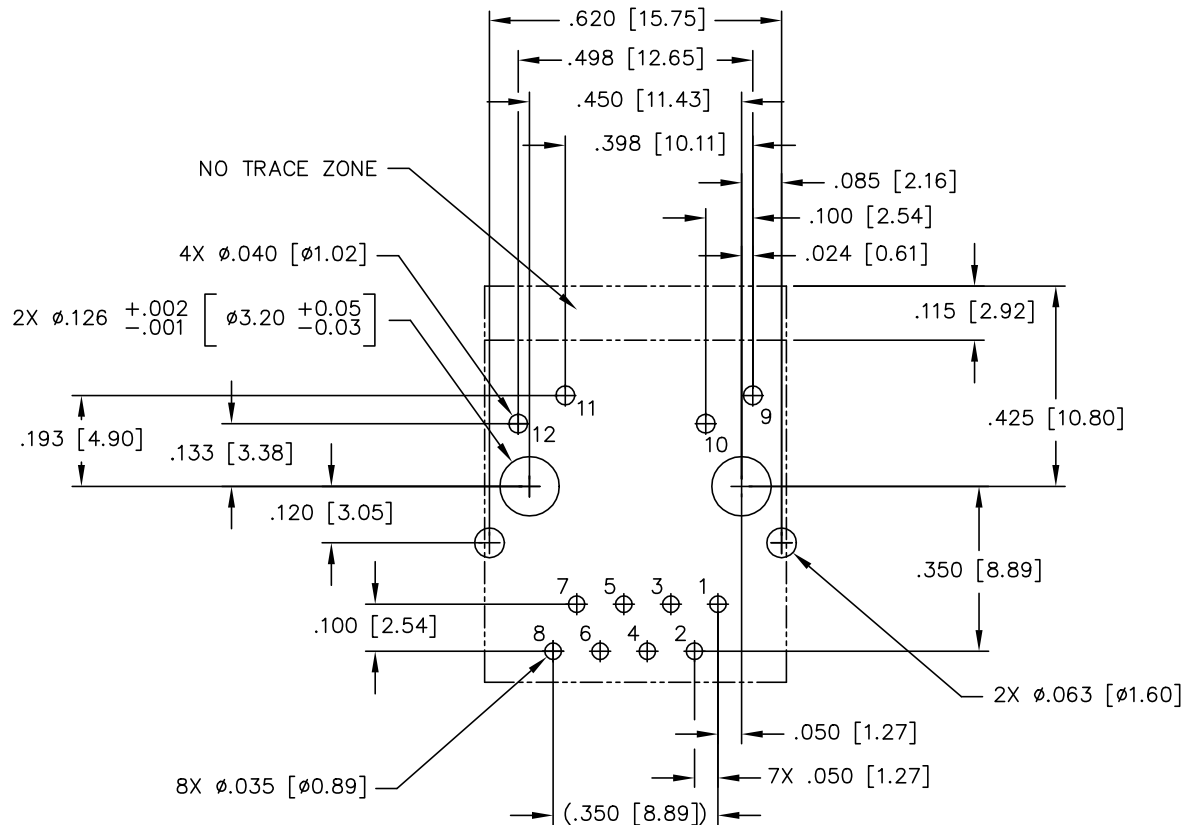
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JXR0-0015NL-11	PS-2160.001-C	2 OF 4	JXR0-0015NL	A



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ± 0.02 [± 0.50]
.XXX= ± 0.010 [± 0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JXR0-0015NL-11	PS-2160.001-C	3 OF 4	JXR0-0015NL	A



SUGGESTED PC BOARD LAYOUT VIEWED FROM COMPONENT SIDE

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XXX= ± 0.002 [± 0.05]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TU	JXR0-0015NL-11	PS-2160.001-C	4 OF 4	JXR0-0015NL	A

Mouser Electronics

Authorized Distributor

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[JXR0-0015NL](#) [JXR0-0015NLT](#)