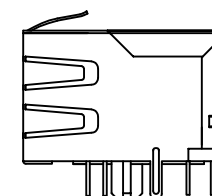
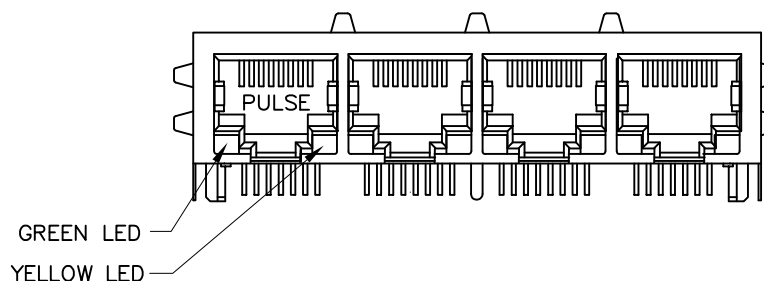
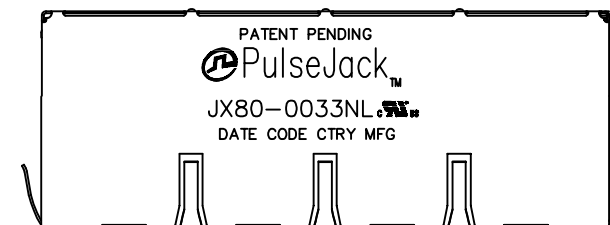




NOTES:

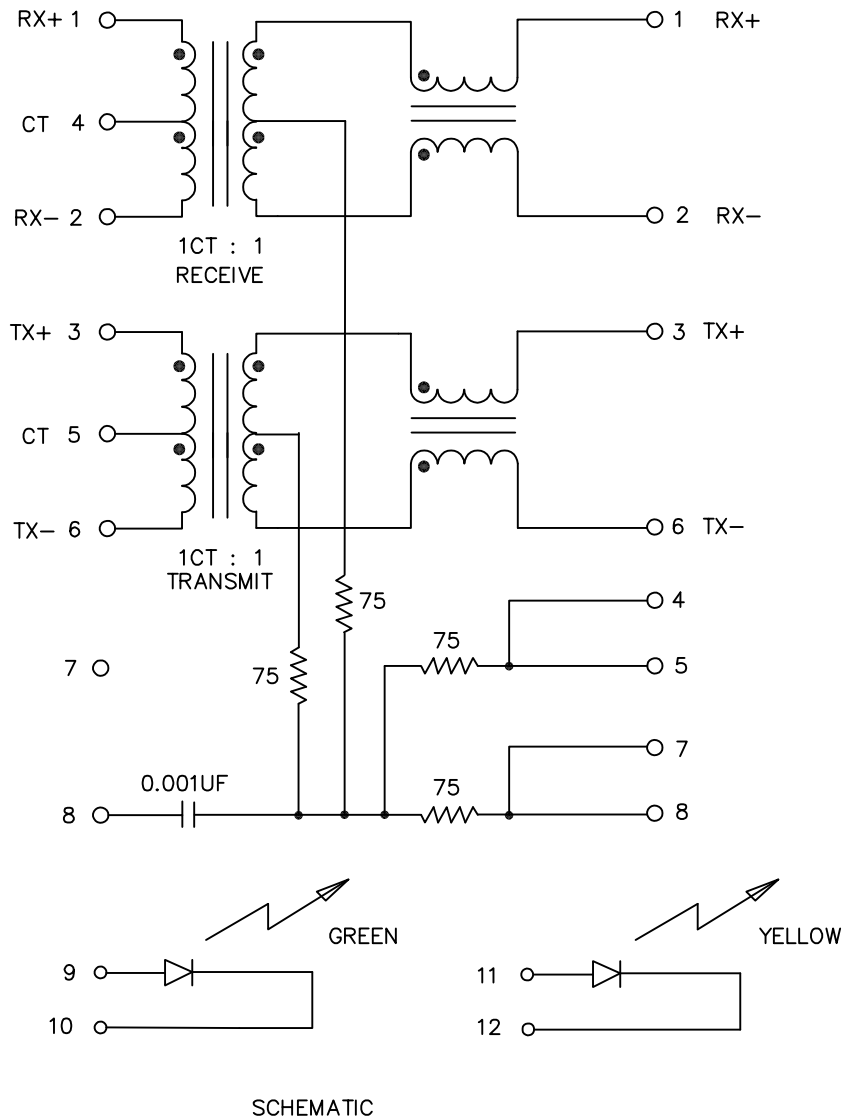
1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 30 MICRO-INCH GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 50-100 INCHES NICKEL
6. SOLDER TAIL PLATING : 100-300 uINCHES 100% TIN, MATTE FINISH.
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



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X4,100D,1:1,TY	JX80-0033NL-12	PS-2064.001-H	1 OF 4	JX80-0033NL	C



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED  
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	-40°C TO +85°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1-125 MHz	
	-1.2 dB MAX	-0.2-0.002*f <sup>1.4</sup> dB MAXIMUM	
RETURN LOSS (Z OUT=100 OHM ±15%)	.1-30 MHz	30-60 MHz	60-80 MHz
	-16 dB MIN	-10+20*LOG <sub>10</sub> (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) (AND WITH 8 mA DC BIAS)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz	
	-50 dB MIN	-50+17*LOG <sub>10</sub> (f/10) dB MINIMUM	
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz	
	-50 dB MIN	-15+20*LOG <sub>10</sub> (f/200) dB MINIMUM	
DC RESISTANCE 1/2 WINDING	.60 OHMS MAXIMUM		
DC RESISTANCE IMBALANCE	±.065 OHMS MAXIMUM (CENTER TAP SYMMETRY)		
INPUT - OUTPUT ISOLATION	2250 VDC MINIMUM AT 60 SECONDS		

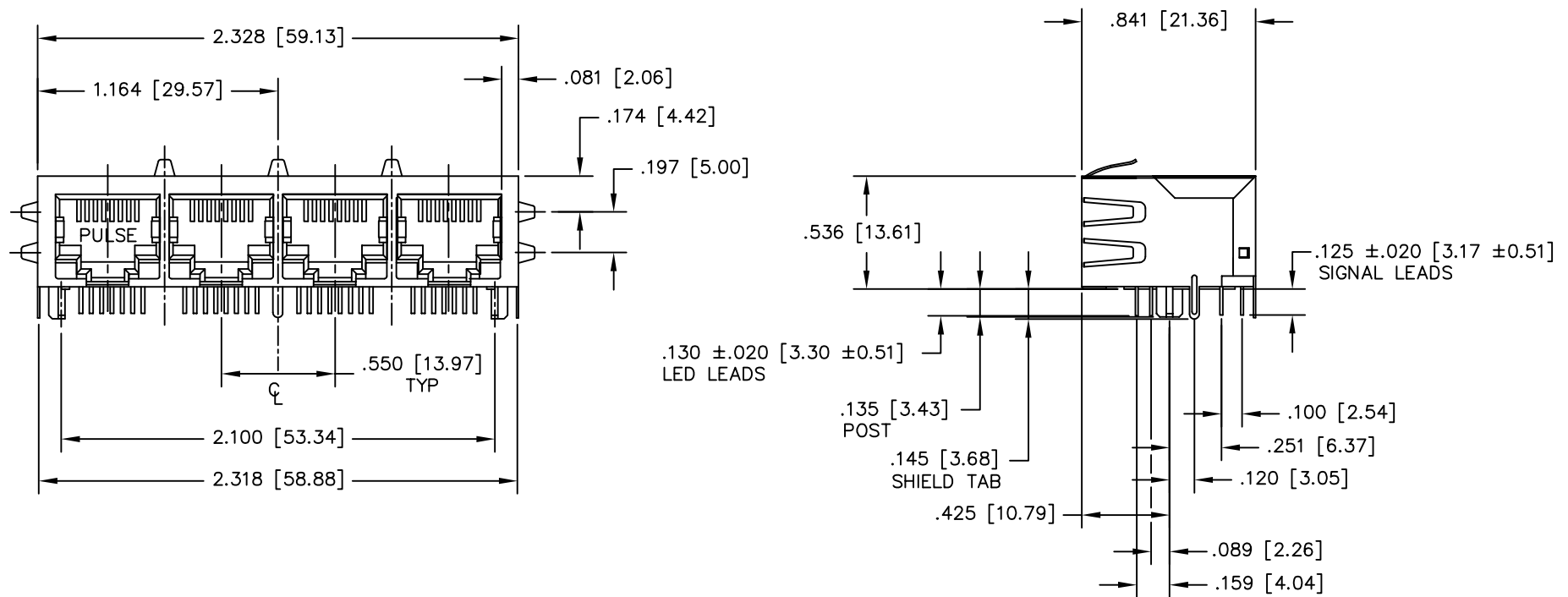
NOTE: f IS FREQUENCY IN MHz.

EMMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	570 nm	590 nm
BRIGHNESS (mCD)	6 TYP. @ 10mA	8 TYP. @ 10mA
VIEWING ANGLE	120°	120°
POWER DISSIPATION (Pd)	85 mW MAX	85 mW MAX
DC FORWARD CURRENT	160 mA MAX	160 mA MAX
REVERSE VOLTAGE (Vr)	5.0 V	5.0 V

NOTE: PER VENDOR'S SPECIFICATIONS

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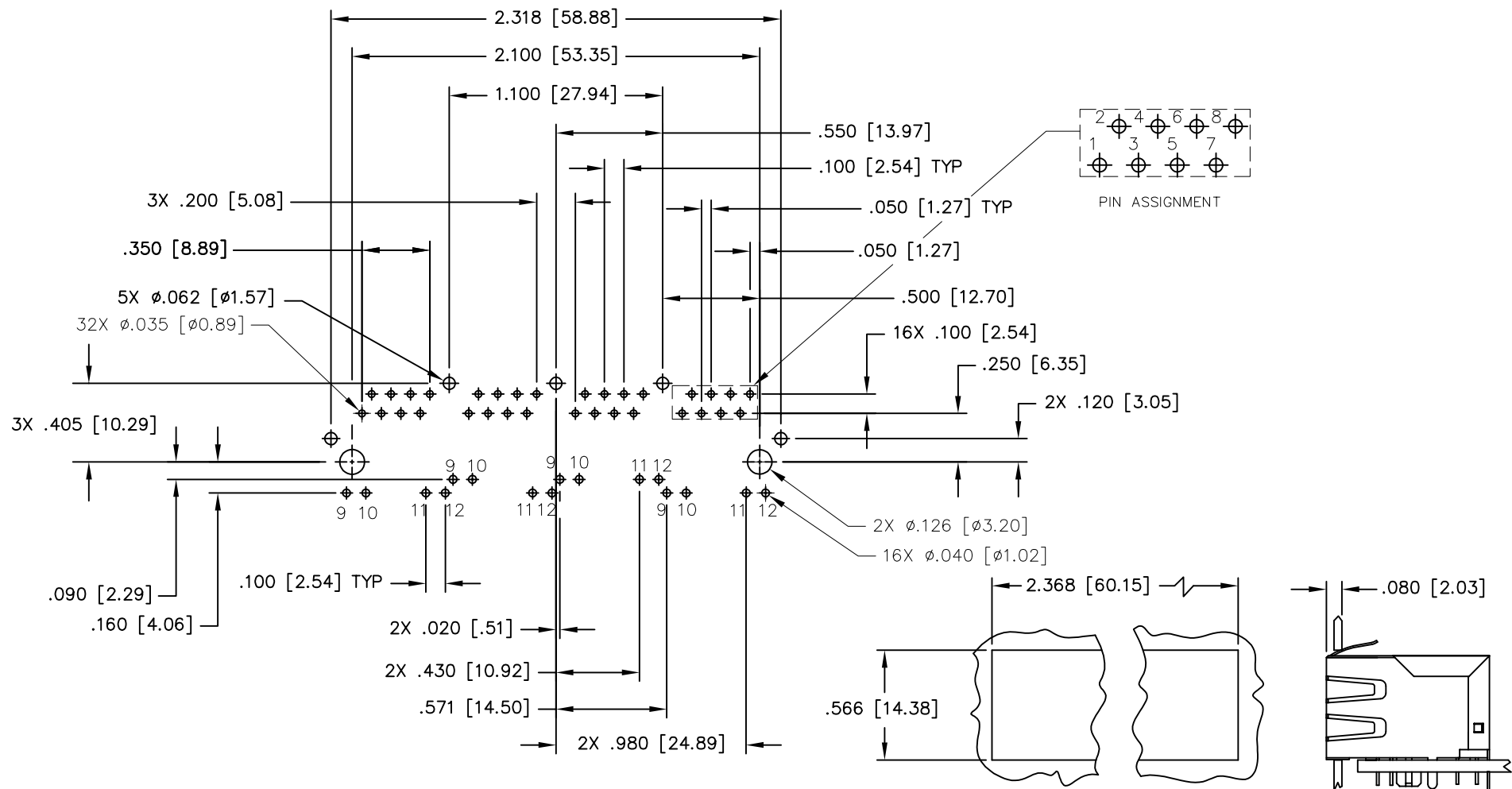
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X4,100D,1:1,TY	JX80-0033NL-12	PS-2064.001-H	2 OF 4	JX80-0033NL	C



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING  
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
.XXX= ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X4,100D,1:1,TY	JX80-0033NL-12	PS-2064.001-H	3 OF 4	JX80-0033NL	C



SUGGESTED PANEL CUTOUT

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
 .XXX=  $\pm$ .003 [ $\pm$ 0.08]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X4,100D,1:1,TY	JX80-0033NL-12	PS-2064.001-H	4 OF 4	JX80-0033NL	C

# Mouser Electronics

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