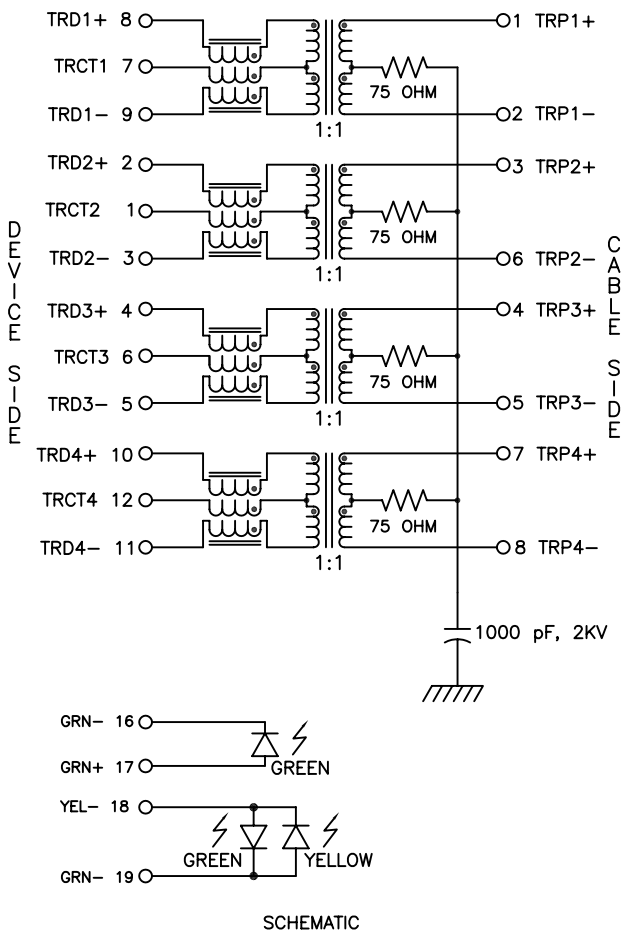
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IEEE802.3 COMPLIANT

NOTES: UNLESS OTHERWISE SPECIFIED

1. | NOTICE: | THIS IS A RoHS AND HALOGEN FREE COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
   | --- | --- |
   | RoHS+HF ✓ | |

2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACT BASE MATERIAL: PHOSPHOR BRONZE.
4. CONTACTS UNDERPLATE: 50 MICROINCHES DUCTILE NICKEL.
5. CONTACTS PLATING: 50 MICROINCHES GOLD PLATING.
6. SOLDER TAIL PLATING MATERIAL: 200-500 MICROINCHES 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: EG
10. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.
11. OPERATING TEMPERATURE: 0°C TO +70°C
12. STORAGE TEMPERATURE: -20°C TO +125°C
13. JEDEC MOISTURE: LEVEL 1.
14. DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.
    X.X = ±0.5 [±.02]
    X.XX= ±0.25 [±.010]
15. REVISION: MX1,MX2, ... ARE PRELIMINARY.



SCHEMATIC

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

PARAMETER	SPECIFICATION	
OPERATING TEMP	0°C – 70°C	
TURNS RATIO	1 : 1 ± 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%)	.1–40 MHz	40–100 MHz
	–16 dB MIN	$-10+20*\log_{10}(f/80\ \text{MHz})$ 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	$-20+20*\log_{10}(f/200)$ dB MIN
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX	
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT – OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS	

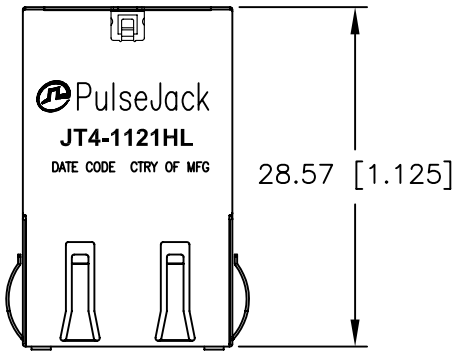
NOTE: f IS FREQUENCY IN MHz.

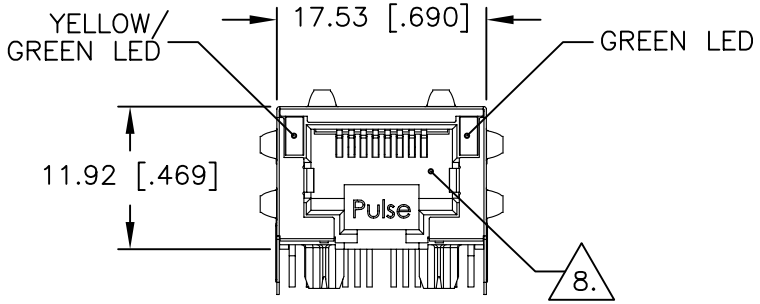
EMMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nM)	565	588
POWER DISSIPATION (Pd)	105 mW MAX	100 mW MAX
DC FORWARD CURRENT	25 mA MAX	30 mA MAX
FORWARD VOLTAGE (VF) @20mA	2.2 V TYP	2.1 V TYP
	BICOLOR	

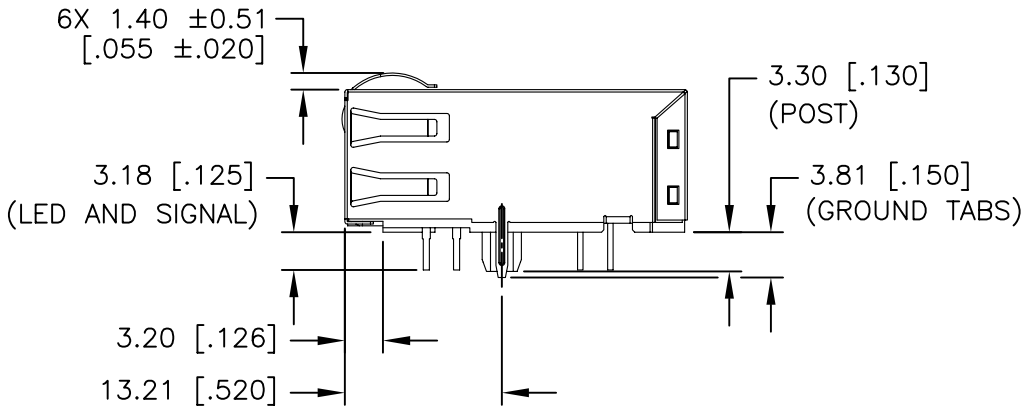
NOTE: PER VENDOR'S SPECIFICATION

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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,1X1,1GD,1:1,TY	PS-2615.001-A	1	JT4-1121HL	MP1





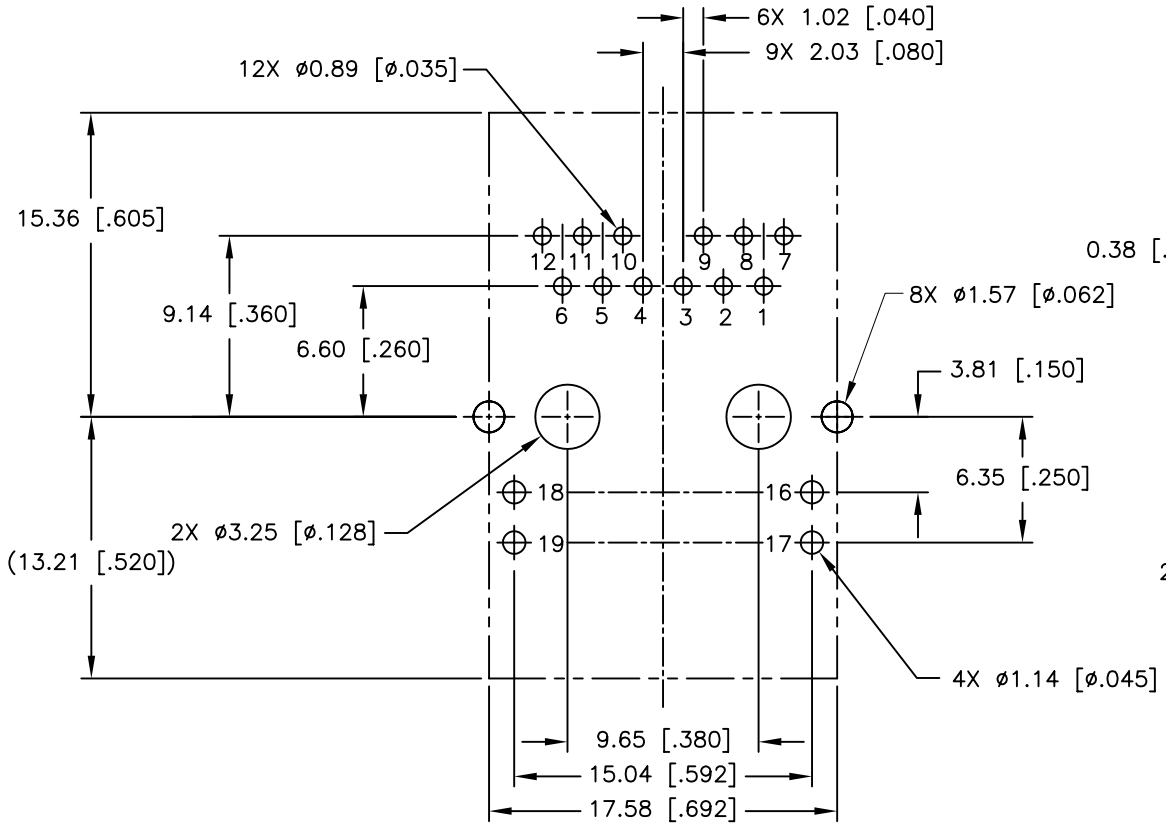


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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,1X1,1GD,1:1,TY	PS-2615.001-A	2	JT4-1121HL	MP1

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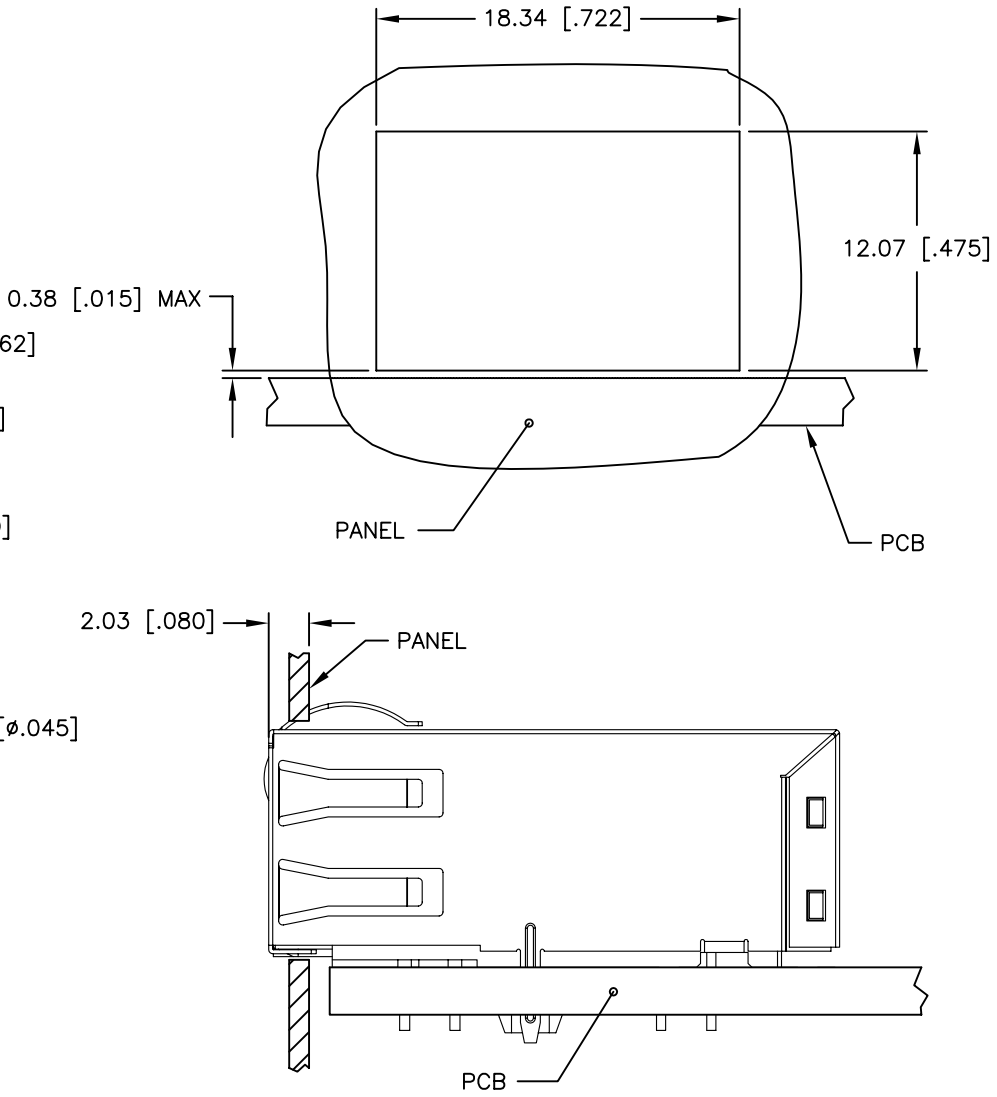
IEEE802.3 COMPLIANT



SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)

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

X.XX [.XXX] = ±0.08 [±.003]



SUGGESTED PANEL CUTOUT

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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,1X1,1GD,1:1,TY	PS-2615.001-A	3	JT4-1121HL	MP1