

NOTES: UNLESS OTHERWISE SPECIFIED

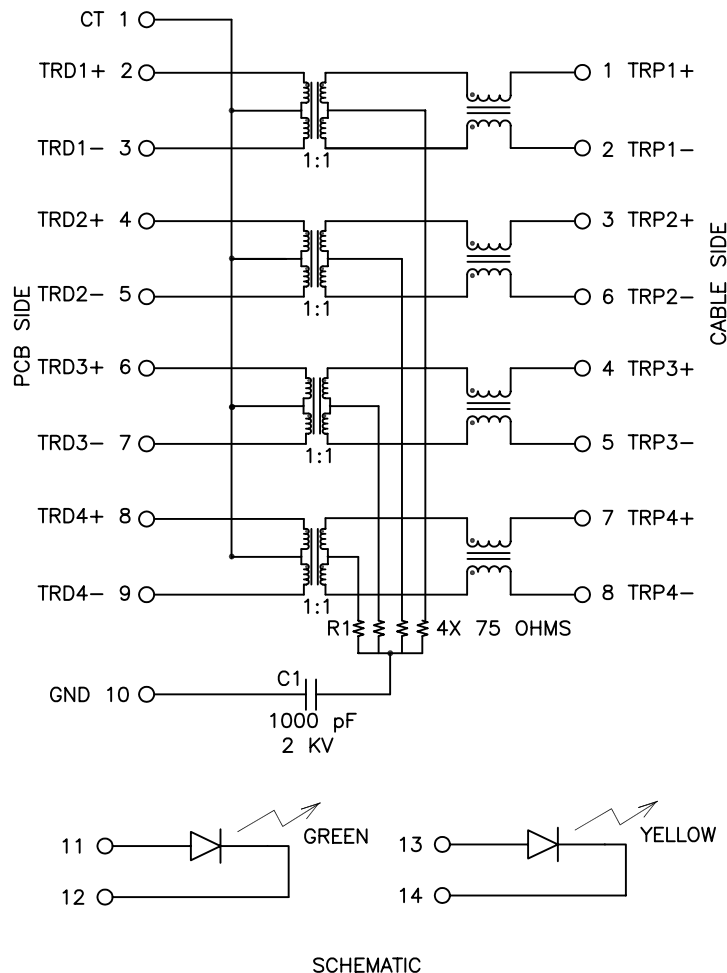
1. **WARNING:** THIS COMPONENT IS RECOGNIZED BY ONE OR MORE SAFETY AGENCIES SUCH AS UL, VDE, CSA AND/OR TUV. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER QUALITY DEPARTMENT FOR SAFETY AGENCY COMPLIANCE.

EDN APPROVAL: \_\_\_\_\_  
 QA APPROVAL: \_\_\_\_\_  
 DATE: \_\_\_\_\_

2. **NOTICE:** THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.

RoHS 

3. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
4. CONTACT BASE MATERIAL: PHOSPHOR BRONZE.
5. CONTACTS UNDERPLATE: 50 MICROINCHES DUCTILE NICKEL.
6. CONTACTS PLATING: 15 MICROINCHES GOLD PLATING.
7. SOLDER TAIL PLATING MATERIAL: 200-500 MICROINCHES 100% TIN, MATTE FINISH.
8. METAL SHIELD: NICKEL PLATING ON COPPER ALLOY.
9. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F.
10. PCB PLATING: EG.
11. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.
12. OPERATING TEMPERATURE: 0°C TO +70°C
13. STORAGE TEMPERATURE: -20°C TO +125°C
14. JEDEC MOISTURE: LEVEL 1.
15. DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
 .XX= ±.02 [±0.5]  
 .XXX= ±.010 [±0.25]



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

| PARAMETER                                  | SPECIFICATION                                                     |                                            |
|--------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|
| OPERATING TEMP                             | 0°C - 70°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 MAX         |
| RETURN LOSS<br>(Z OUT=100 OHM ±15%)        | .1-40 MHz                                                         | 40-100 MHz                                 |
|                                            | -16 dB MIN                                                        | -10+20*LOG <sub>10</sub> (f/80 MHz) dB MIN |
| INDUCTANCE (OCL)<br>(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 <sub>10</sub> (f/10) dB MIN     |
| COMMON MODE REJECTION RATIO                | 2 MHz                                                             | 30-200 MHz                                 |
|                                            | -50 dB MIN                                                        | -20+20*LOG <sub>10</sub> (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                                           |                                            |

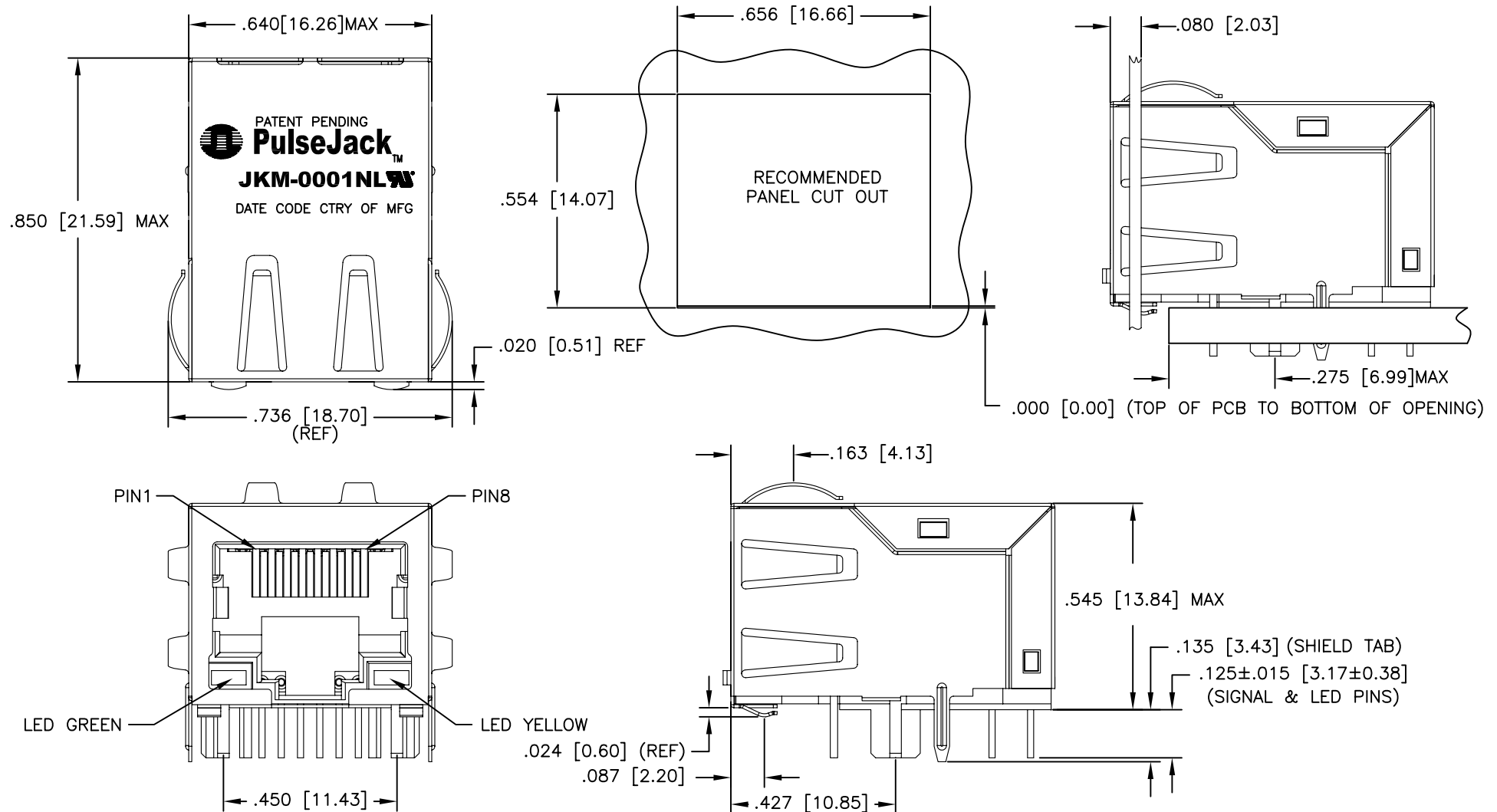
NOTE: f IS FREQUENCY IN MHZ.

| EMMITTED COLOR         | GREEN                  | YELLOW                 |
|------------------------|------------------------|------------------------|
| WAVELENGTH (nm)        | 568 nm                 | 585 nm                 |
| BRIGHTNESS (mCD)       | 8 TO 12 TYP.<br>@ 20mA | 8 TO 12 TYP.<br>@ 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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| PULSE CONFIDENTIAL<br>&<br>PROPRIETARY | PRODUCT DESCRIPTION      | PS DRAWING    | SHEET: | DWG. NO./ PART NO. | REV. |
|----------------------------------------|--------------------------|---------------|--------|--------------------|------|
|                                        | CONN,RJ45,1X1,1GD,1:1,TY | PS-2582.001-B | 1      | JKM-0001NL         | M11  |



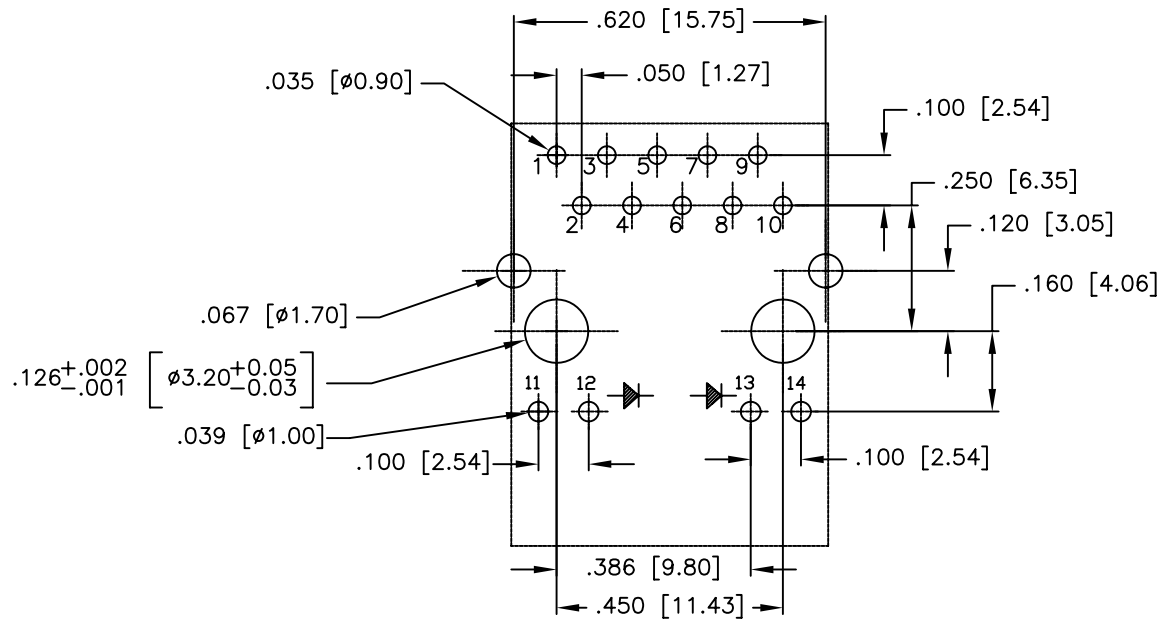
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|----------------------------------------|--------------------------|---------------|--------|--------------------|------|
|                                        | CONN,RJ45,1X1,1GD,1:1,TY | PS-2582.001-B | 2      | JKM-0001NL         | M11  |



# Pulse

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SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)  
DIMENSIONAL TOLERANCE: (UNLESS OTHERWISE SPECIFIED)

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|                                        |                          |               |        |                    |      |
|----------------------------------------|--------------------------|---------------|--------|--------------------|------|
| PULSE CONFIDENTIAL<br>&<br>PROPRIETARY | PRODUCT DESCRIPTION      | PS DRAWING    | SHEET: | DWG. NO./ PART NO. | REV. |
|                                        | CONN,RJ45,1X1,1GD,1:1,TY | PS-2582.001-B | 3      | JKM-0001NL         | M11  |