

NOTES: UNLESS OTHERWISE SPECIFIED

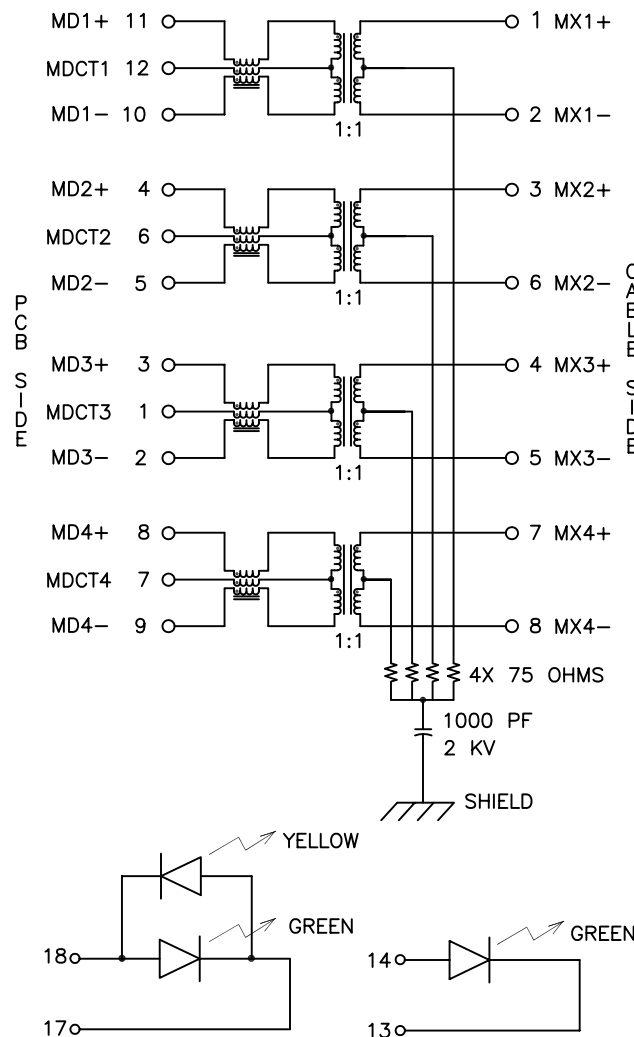
1. THIS COMPONENT CONFORMS TO UL60950, UL FILE NO. IS: E216117.

|                                                                                   |                                                                                                                                                                                                                                            |               |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|  | <b>WARNING:</b> 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 PRODUCT SAFETY DEPARTMENT FOR SAFETY AGENCY COMPLIANCE. | EDN APPROVAL: |
|                                                                                   |                                                                                                                                                                                                                                            | QA APPROVAL:  |
|                                                                                   |                                                                                                                                                                                                                                            | DATE:         |

- 2.

|                                                                                   |                                                                                                                                   |               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------|
|  | <b>NOTICE:</b> THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. | EDN APPROVAL: |
|                                                                                   |                                                                                                                                   | QA APPROVAL:  |
|                                                                                   |                                                                                                                                   | DATE:         |

3. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
4. CONTACT BASE MATERIAL: PHOSPHOR BRONZE.
5. CONTACTS UNDERPLATE: 30-50 MICROINCHES DUCTILE NICKEL.
6. CONTACTS PLATING: 50 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: -40°C TO +85°C
13. STORAGE TEMPERATURE: -50°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]



SCHEMATIC

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

| PARAMETER                                    | SPECIFICATIONS                  |                                                             |
|----------------------------------------------|---------------------------------|-------------------------------------------------------------|
| OPERATING TEMP                               | -40°C ~ +85°C                   |                                                             |
| URNS RATIO                                   | 1 : 1 ± 2%                      |                                                             |
| POLARITY                                     | PER SCHEMATCH                   |                                                             |
| 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, -40°C~85°C) | 350 uH MIN                      | (MEASURED AT 100 KHz, 100 mVRMS)<br>(AND WITH 8 mA DC BIAS) |
| CROSSTALK, ADJACENT<br>CHANNELS              | 1 MHz                           | 10-100 MHz                                                  |
|                                              | -50 dB MIN                      | -55+22*LOG <sub>10</sub> (f/10) dB MIN                      |
| COMMON MODE<br>REJECTION RATIO               | 2 MHz                           | 30-200 MHz                                                  |
|                                              | -50 dB MIN                      | -15+20*LOG <sub>10</sub> (f/200) dB MIN                     |
| INPUT - OUTPUT<br>ISOLATION                  | 2250 VDC MINIMUM FOR 60 SECONDS |                                                             |

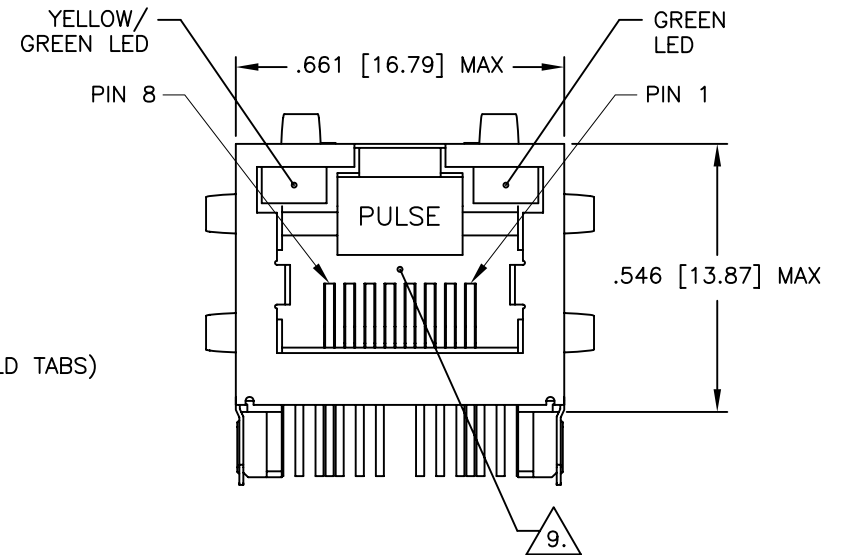
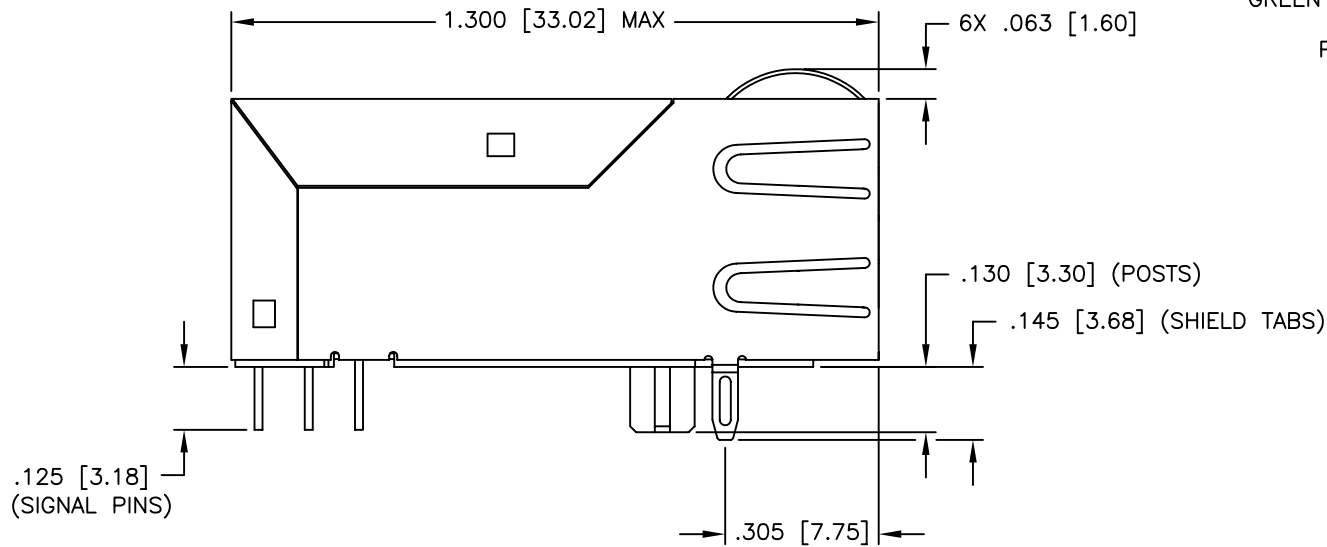
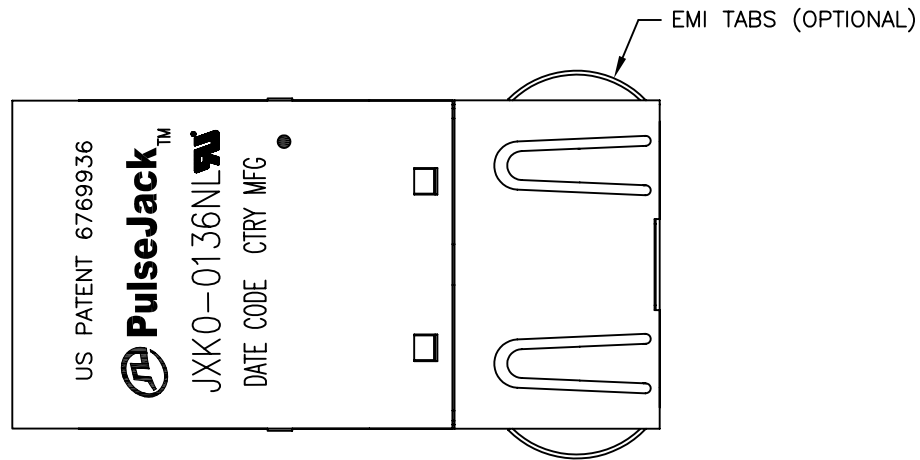
NOTE: f IS FREQUENCY IN MHZ.

| EMMITTED COLOR         | GREEN               | YELLOW              |
|------------------------|---------------------|---------------------|
| WAVELENGTH (nm)        | 568 nm              | 585 nm              |
| BRIGHNESS (mCD)        | 8.5 TYP.<br>@ 20 mA | 6.0 TYP.<br>@ 20 mA |
| VIEWING ANGLE          | 85° - 100°          | 85° - 100°          |
| POWER DISSIPATION (Pd) | 100 mA MAX          | 100 mA MAX          |
| DC FORWARD CURRENT     | 150 mA MAX          | 150 mA MAX          |
| REVERSE VOLTAGE (Vr)   | 2.2 TO 2.6 VOLTS    | 2.1 TO 2.6 VOLTS    |

NOTE: PER VENDOR'S SPECIFICATIONS

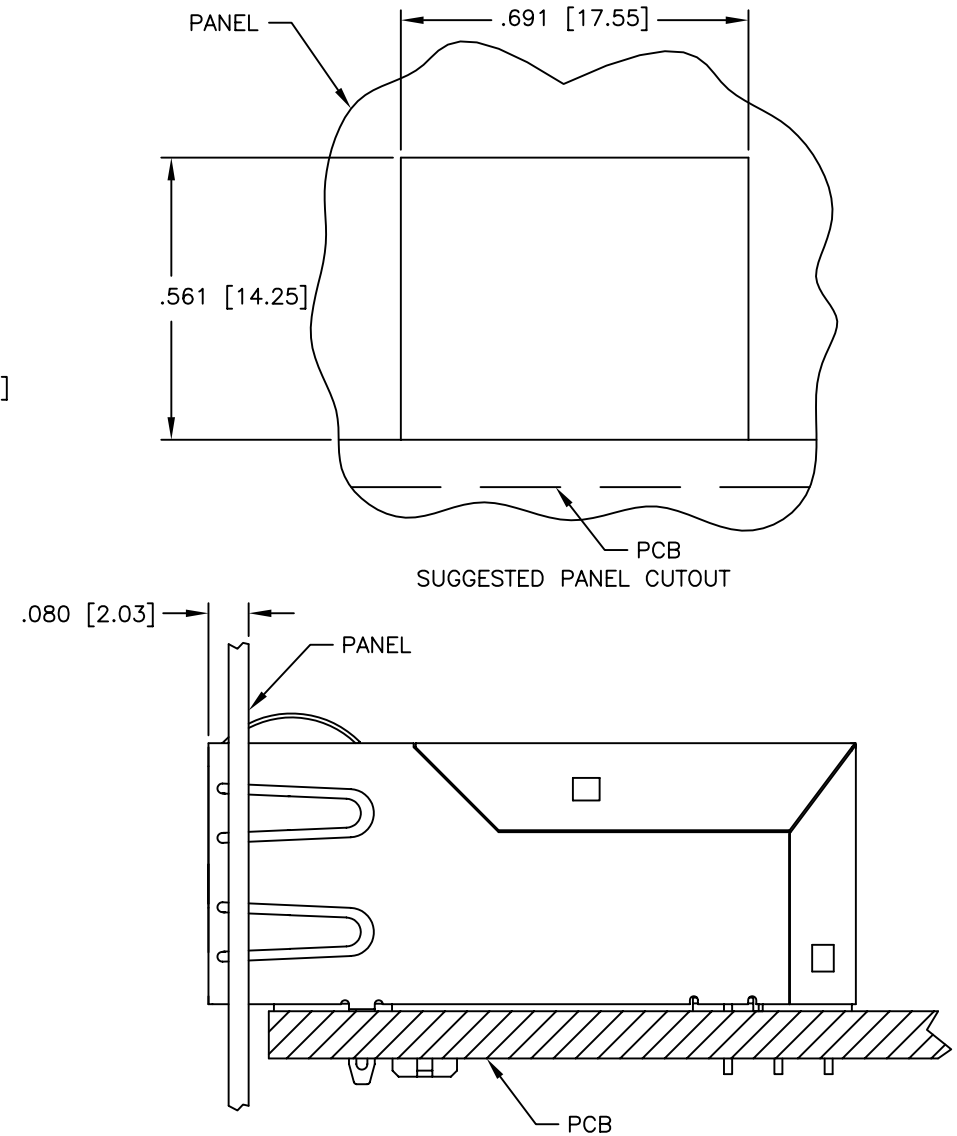
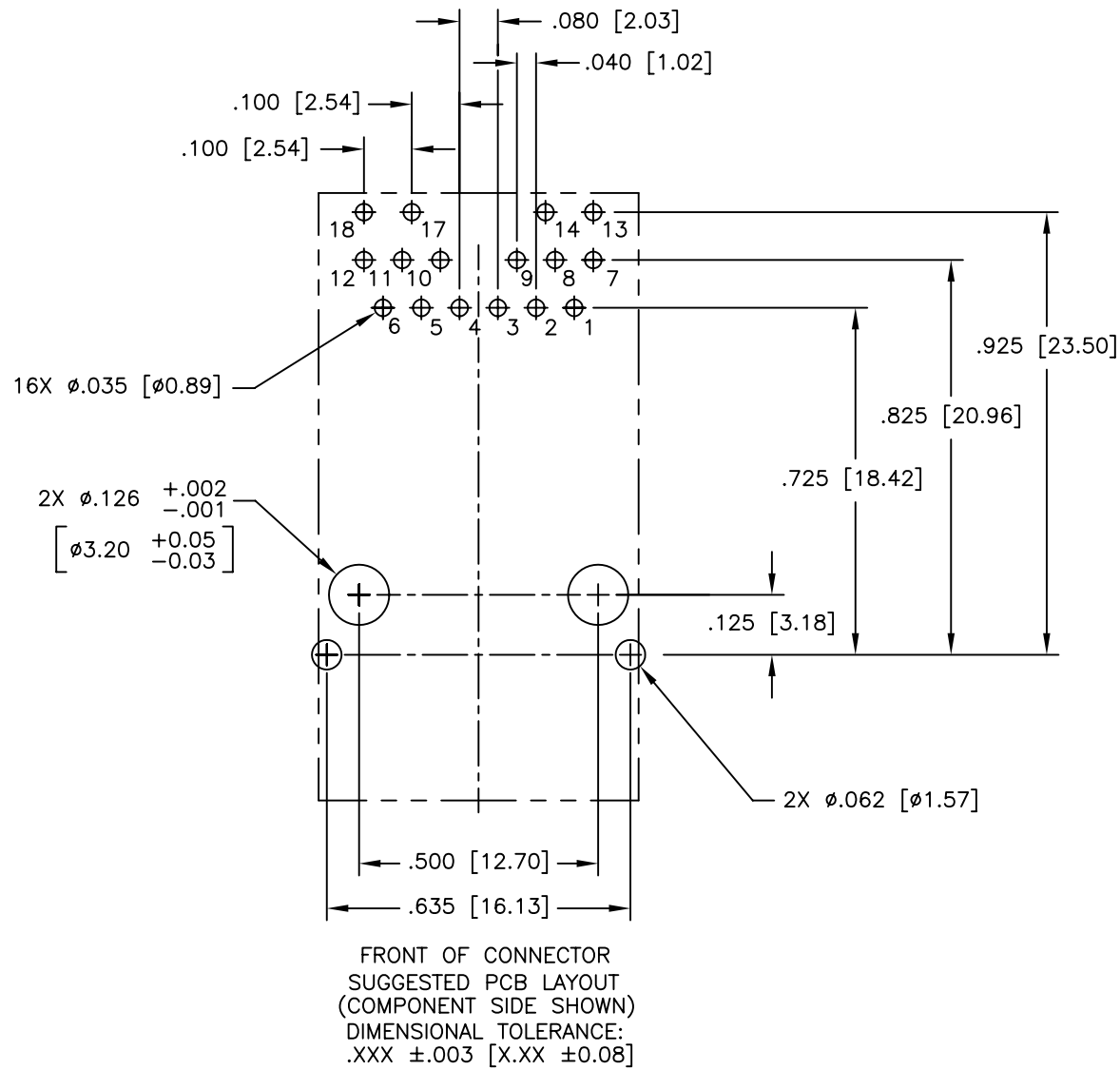
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|                                        |                          |               |        |                    |      |
|----------------------------------------|--------------------------|---------------|--------|--------------------|------|
| PULSE CONFIDENTIAL<br>&<br>PROPRIETARY | PRODUCT DESCRIPTION      | PS DRAWING    | SHEET: | DWG. NO./ PART NO. | REV. |
|                                        | CONN,RJ45,1X1,1GD,1:1,TY | PS-2390.004-A | 1      | JXK0-0136NL        | M11  |



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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-2390.004-A | 2      | JXK0-0136NL        | M11  |



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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-2390.004-A | 3      | JXK0-0136NL        | M11  |