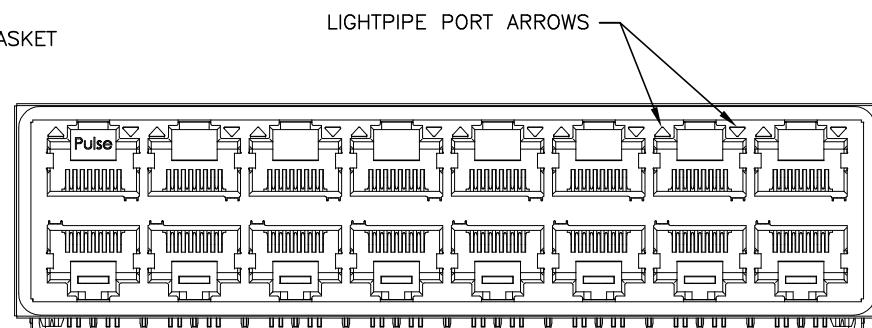
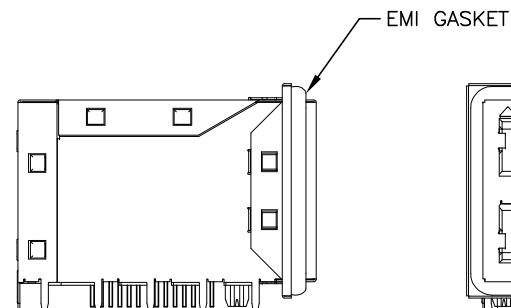
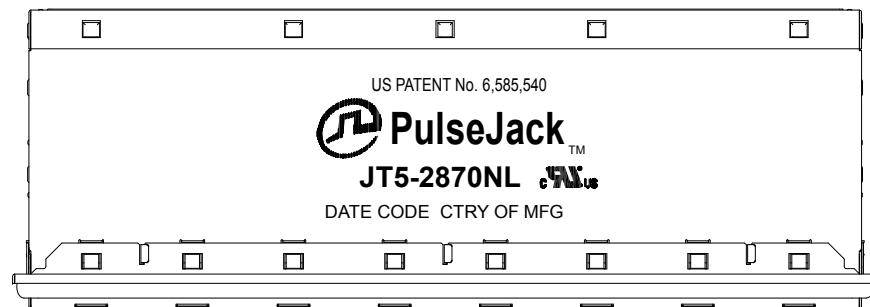




NOTES:

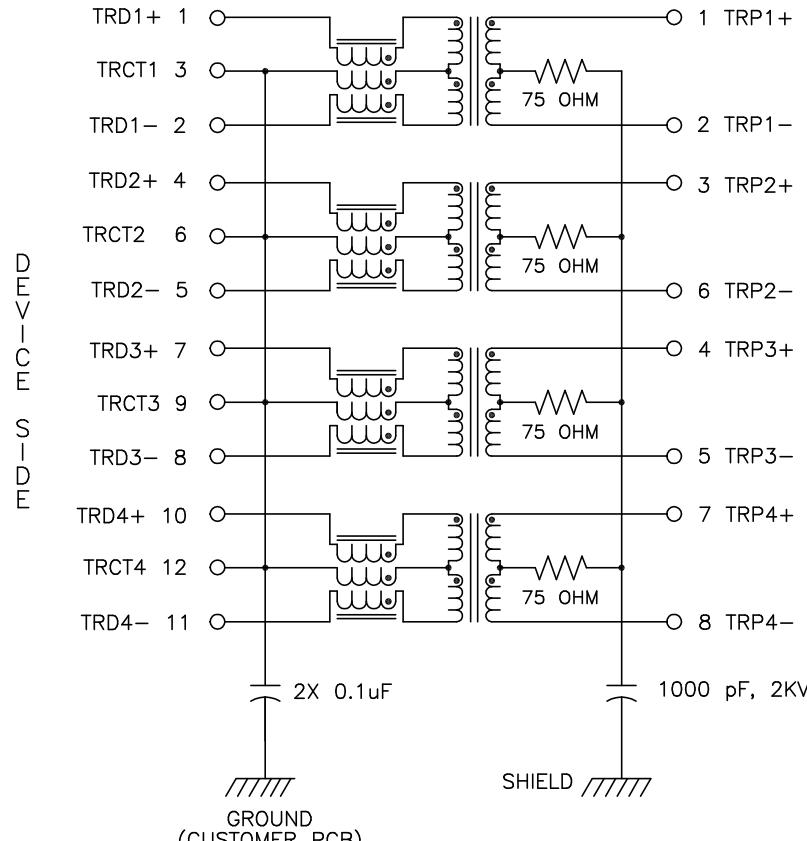
1. ROHS COMPLIANT.
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 50 MICRO-INCH GOLD PLATING.
4. SIGNAL SOLDER PINS: TIN PLATED.
5. METAL SHIELD: NICKEL PLATED COPPER.
6. JACK CAVITY CONFORMS TO FCC PART 68 SUBPART F.
7. STORAGE TEMPERATURE: -20°C TO +125°C
8. COMPLIANT TO J-STD:
  - A. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
  - B. J-STD-075: W7, 270°C MAXIMUM THROUGH WAVE SOLDER
9. MAXIMUM SMT LED HEIGHT SHOULD NOT EXCEED 1.1mm.



FINAL OUTLINE

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| PRODUCT DESCRIPTION     | TLA DRAWING   | PS DRAWING    | SHEET  | PART NO.   | DATASHEET REV. |
|-------------------------|---------------|---------------|--------|------------|----------------|
| CONN,RJ45,2X8,10G,4C,SP | JT5-2870NL-11 | PS-2629.007-F | 1 OF 5 | JT5-2870NL | B              |



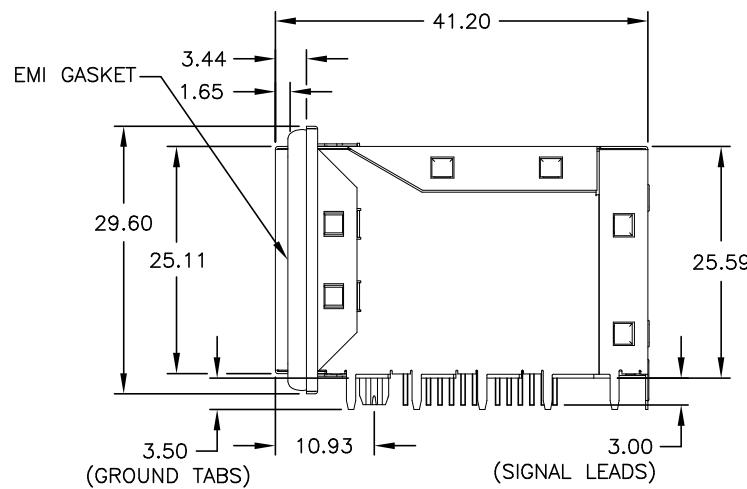
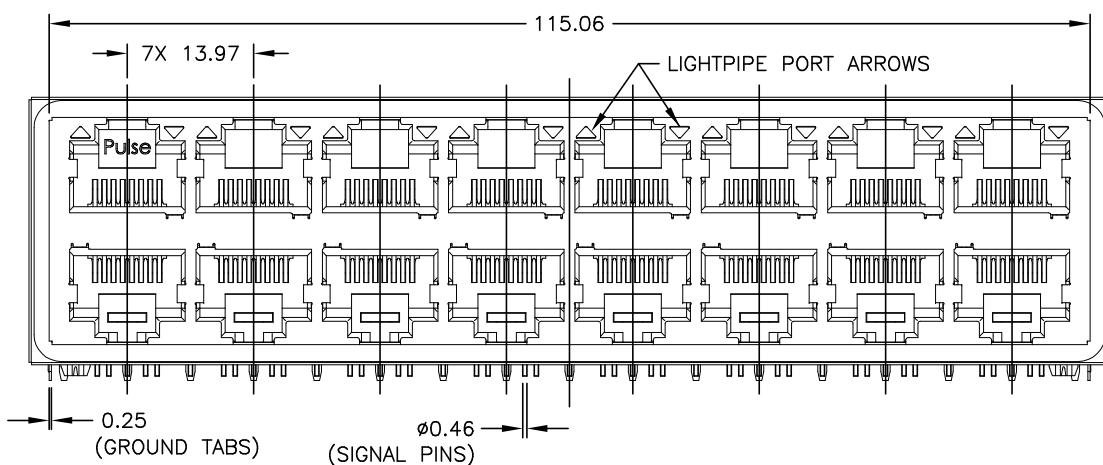
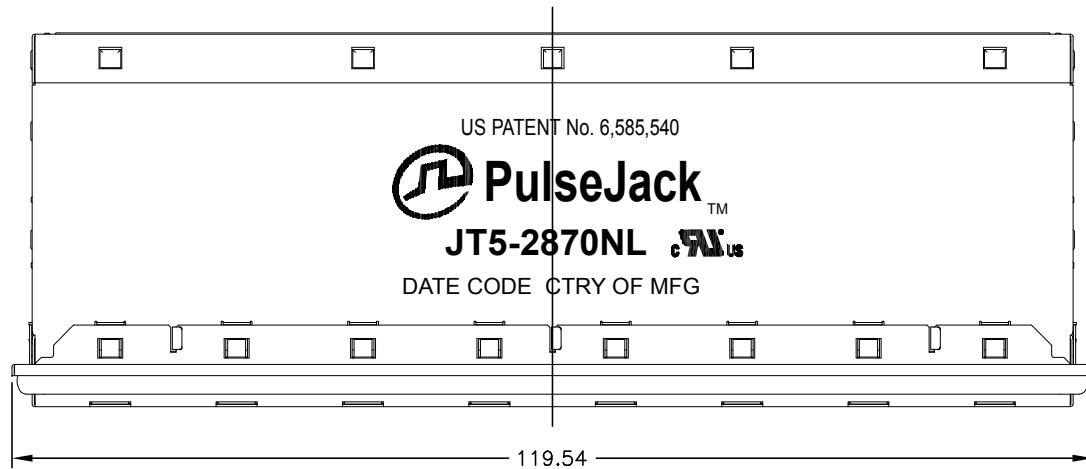
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

| PARAMETER                                    | SPECIFICATIONS               |                           |  |
|--|------------------------------|---------------------------|--|
| OPERATING TEMP                               | 0°C TO +70°C                 |                           |  |
| TURNS RATIO                                  | 1.00 ± 2%                    |                           |  |
| POLARITY                                     | PER SCHEMATIC                |                           |  |
| 100 KHz                                      | 1-400 MHz                    |                           |  |
| INSERTION LOSS                               | -3.0 dB MAX                  | -2.0 dB MAX (-1.4 dB TYP) |  |
| 1-100 MHz                                    | 100 MHz-500 MHz              |                           |  |
| RETURN LOSS<br>(Z OUT = 100 OHM ± 1%)        | -22 dB MIN                   | -22 + 20.75*LOG (f/100)   |  |
| INDUCTANCE (OCL)                             | 180 uH MIN @ 100 kHz, 100 mV |                           |  |
| 1-100 MHz                                    | 100-500 MHz                  |                           |  |
| CROSSTALK, ADJACENT CHANNELS                 | -28 dB MIN                   | -19 dB MIN                |  |
| 1-40 MHz                                     | 40-100 MHz                   | 100-500 MHz               |  |
| -30 dB MIN                                   | -28 dB MIN                   | -26 dB MIN                |  |
| COMMON MODE REJECTION RATIO                  |                              |                           |  |
| 1-250 MHz                                    | 250-500 MHz                  |                           |  |
| -30 dB MIN                                   | -22 dB MIN                   |                           |  |
| COMMON TO DIFFERENTIAL MODE REJECTION (CDMR) |                              |                           |  |
| CURRENT CARRYING CAPABILITY, RJ45 PINS 1-8   | 500 mA MAX                   |                           |  |
| INPUT - OUTPUT ISOLATION                     | 2250 VDC MIN @ 60 SECONDS    |                           |  |

NOTE: f IS FREQUENCY IN MHz.

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|-------------------------|---------------|---------------|--------|------------|----------------|
| CONN,RJ45,2X8,10G,4C,SP | JT5-2870NL-11 | PS-2629.007-F | 2 OF 5 | JT5-2870NL | B              |



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

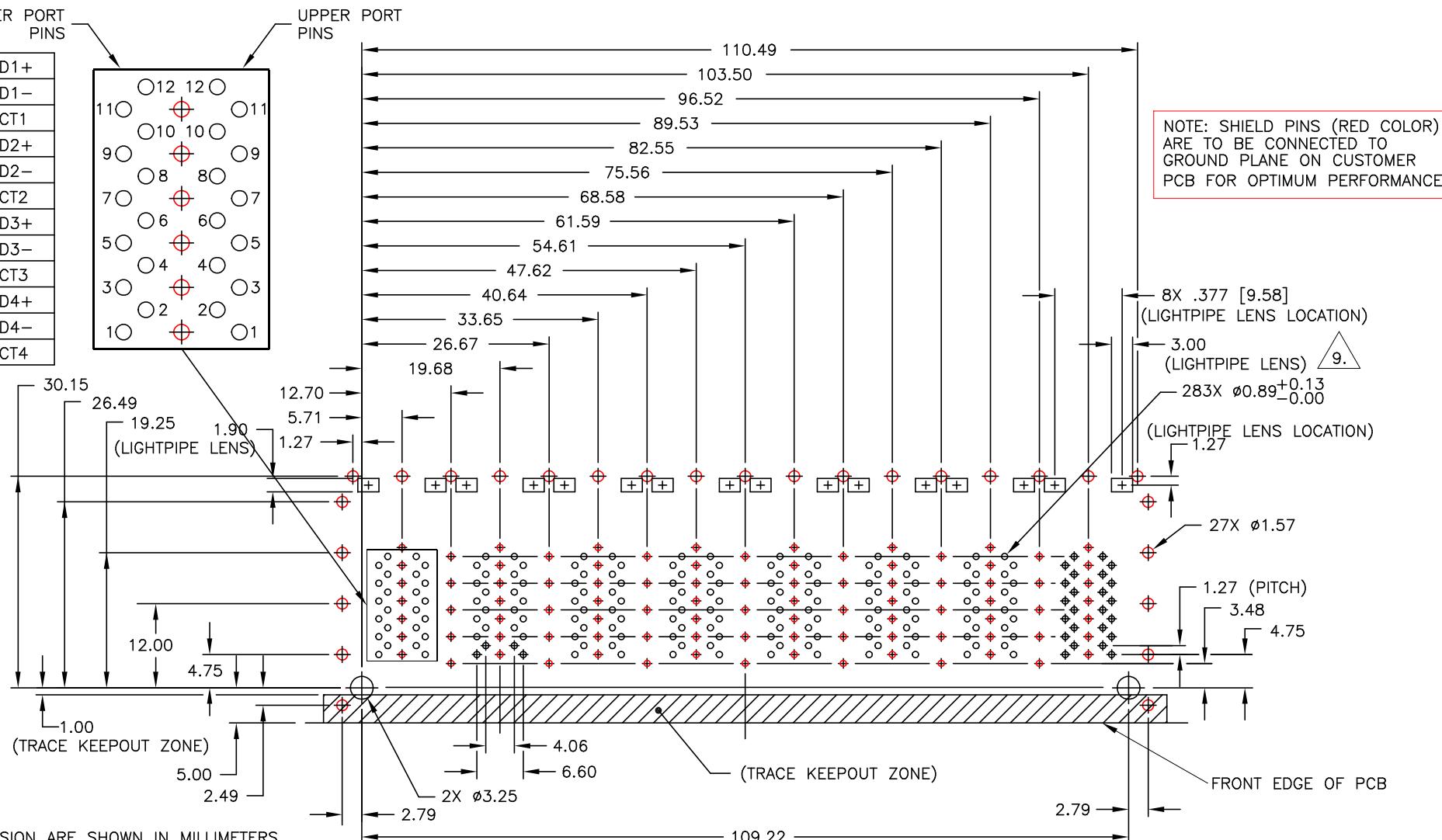
X.XX =  $\pm 0.25$

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|-------------------------|---------------|---------------|--------|------------|----------------|
| CONN,RJ45,2X8,10G,4C,SP | JT5-2870NL-11 | PS-2629.007-F | 3 OF 5 | JT5-2870NL | B              |



| POWER PORT PINS |       |
|-----------------|-------|
| 1               | TRD1+ |
| 2               | TRD1- |
| 3               | TRCT1 |
| 4               | TRD2+ |
| 5               | TRD2- |
| 6               | TRCT2 |
| 7               | TRD3+ |
| 8               | TRD3- |
| 9               | TRCT3 |
| 10              | TRD4+ |
| 11              | TRD4- |
| 12              | TRCT4 |



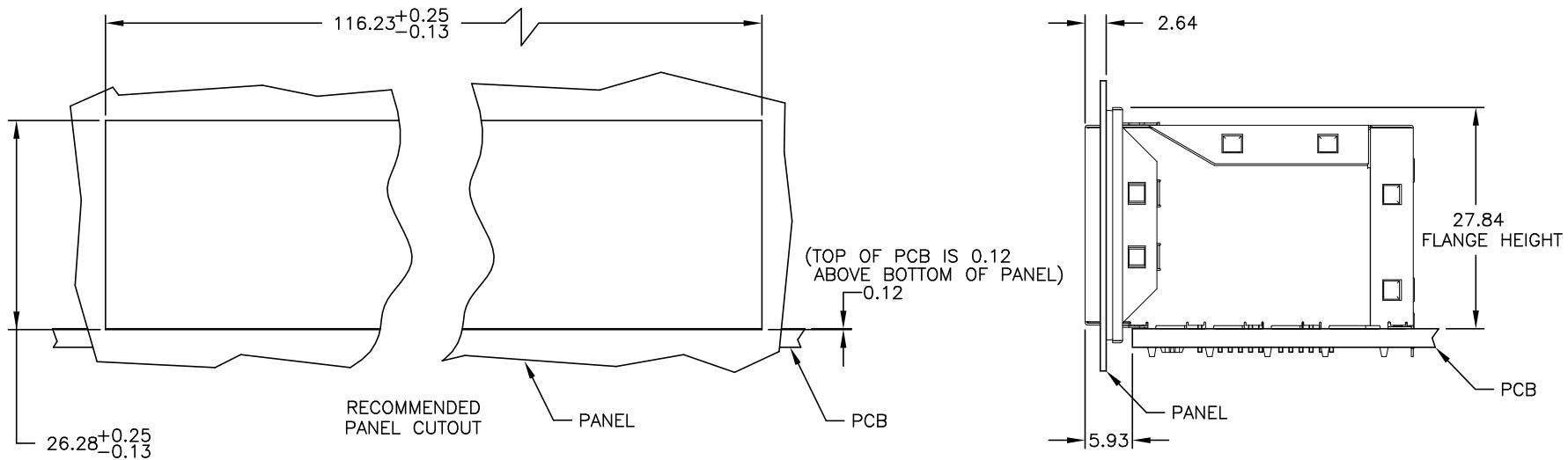
ALL DIMENSION ARE SHOWN IN MILLIMETERS.  
UNLESS OTHERWISE SPECIFIED,  
THE FOLLOWING TOLERANCES APPLY:  
X XX =  $\pm 0.05$

SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)

X.XX = ±0.05

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|-------------------------|---------------|---------------|--------|------------|----------------|
| CONN,RJ45,2X8,10G,4C,SP | JT5-2870NL-11 | PS-2629.007-F | 4 OF 5 | JT5-2870NL | B              |



ALL DIMENSION ARE SHOWN IN MILLIMETERS.  
UNLESS OTHERWISE SPECIFIED,  
THE FOLLOWING TOLERANCES APPLY:  
 $X.XX = \pm 0.25$

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| PRODUCT DESCRIPTION     | TLA DRAWING   | PS DRAWING    | SHEET  | PART NO.   | DATASHEET REV. |
|-------------------------|---------------|---------------|--------|------------|----------------|
| CONN,RJ45,2X8,10G,4C,SP | JT5-2870NL-11 | PS-2629.007-F | 5 OF 5 | JT5-2870NL | B              |