



THE DATASHEET OF J1V-U2500NL



SERIAL WITH FLAMMABILITY

OLD PLATING:
BRONZE

EL

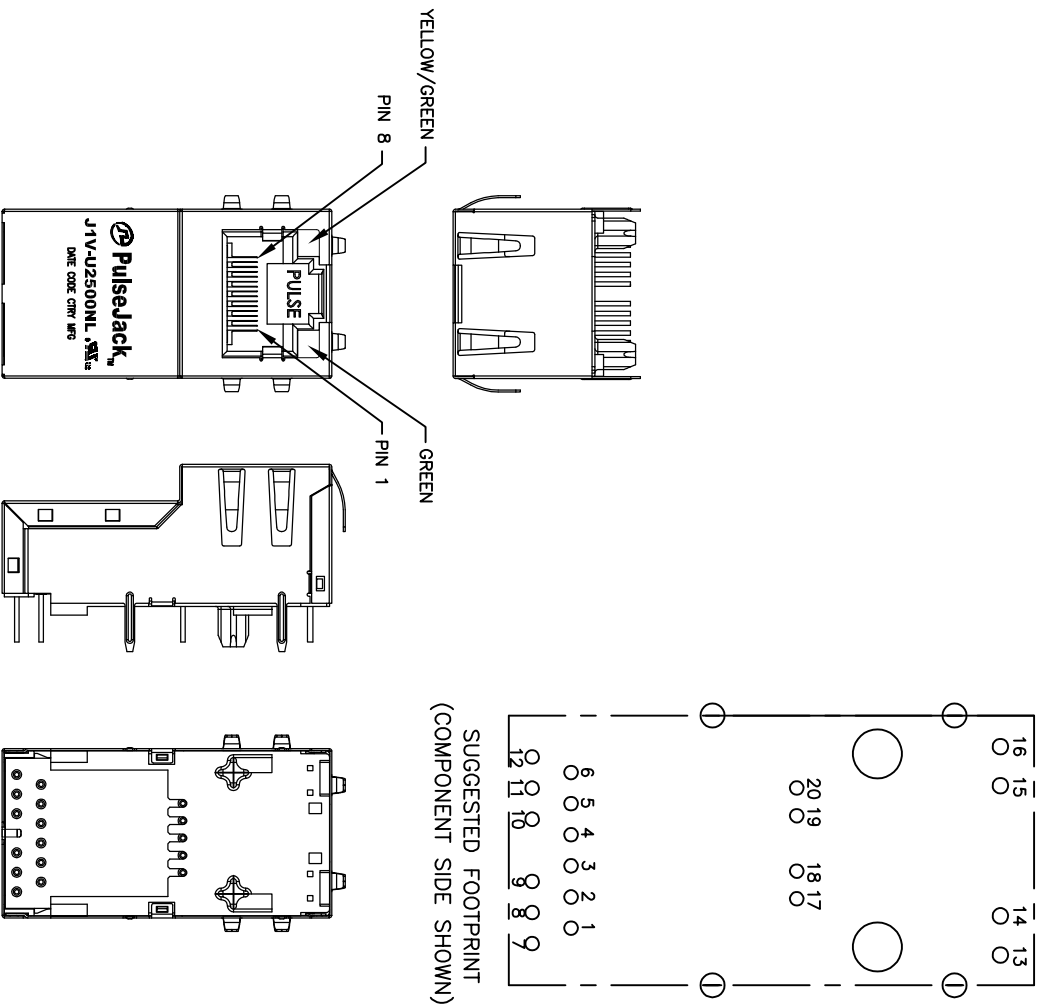
RES 100% TIN, MATTE FINISH.

PPER ALLOY.

68 SUBPART.

5°C

45°C DIP AND LOOK TEST
URE SENSITIVE
N THROUGH WAVE SOLDER
1 REFLOW SOLDER



FINAL OUTLINE

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| | | | | |
|------------------------------|-----------------------------|-----------------|-------------------------|---------------------|
| TLA DRAWING 1V-U2500NL-12 | PS DRAWING PS-2880.002-B | SHEET 1 OF 5 | PART NO. J1V-U2500NL | DATASHEET REV. D |
|------------------------------|-----------------------------|-----------------|-------------------------|---------------------|

ELECTRONICS.COM(Asia) PHONE:USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768

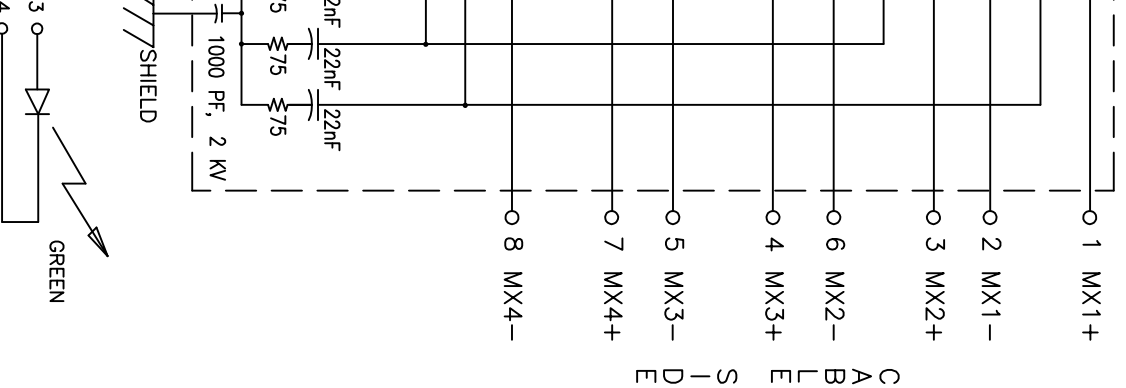
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

| PARAMETER | SPECIFICATIONS | |
|---|-----------------------------------|--|
| OPERATING TEMPERATURE | 0°C TO +70°C | |
| TURNS RATIO | 1.00 ± 2% | |
| POLARITY | PER SCHEMATIC | |
| INSERTION LOSS (SDD21&SDD12) | 1-50 MHz -0.5 dB MAX | 50-125 MHz -1.0 dB MAX |
| PHY-SIDE RETURN LOSS (SDD11 - Zref = 100 OHMS ± 1%) | 1 MHz-40 MHz -20 dB MIN | 40 MHz-200 MHz -20+15*LOG ₁₀ (f/40) DB MIN |
| LINE-SIDE RETURN LOSS (SDD22 - Zref = 100 OHMS ± 1%) | 1 MHz-40 MHz -20 dB MIN | 40 MHz-200 MHz -20+15*LOG ₁₀ (f/40) DB MIN |
| INDUCTANCE (OCL) | 150 uH MIN WITH 15 mA DC BIAS | |
| CROSSTALK, ADJACENT CHANNELS (SDD21 - ADJ.) | 1-125 MHz -30 dB MIN | |
| COMMON MODE REJECTION RATIO (SCC21) | 30 MHz-200 MHz -30 dB MIN | |
| COMM. TO DIFF. REJECTION RATIO (SDC12) | 10 MHz-125 MHz -45+f/35 dB MIN | |
| DC CURRENT CARRYING CAPABILITY | 1000 mA MAX AT 70°C | |
| INPUT - OUTPUT ISOLATION | 2250 VDC FOR 60 SECONDS | |

NOTE: f IS FREQUENCY IN MHZ.

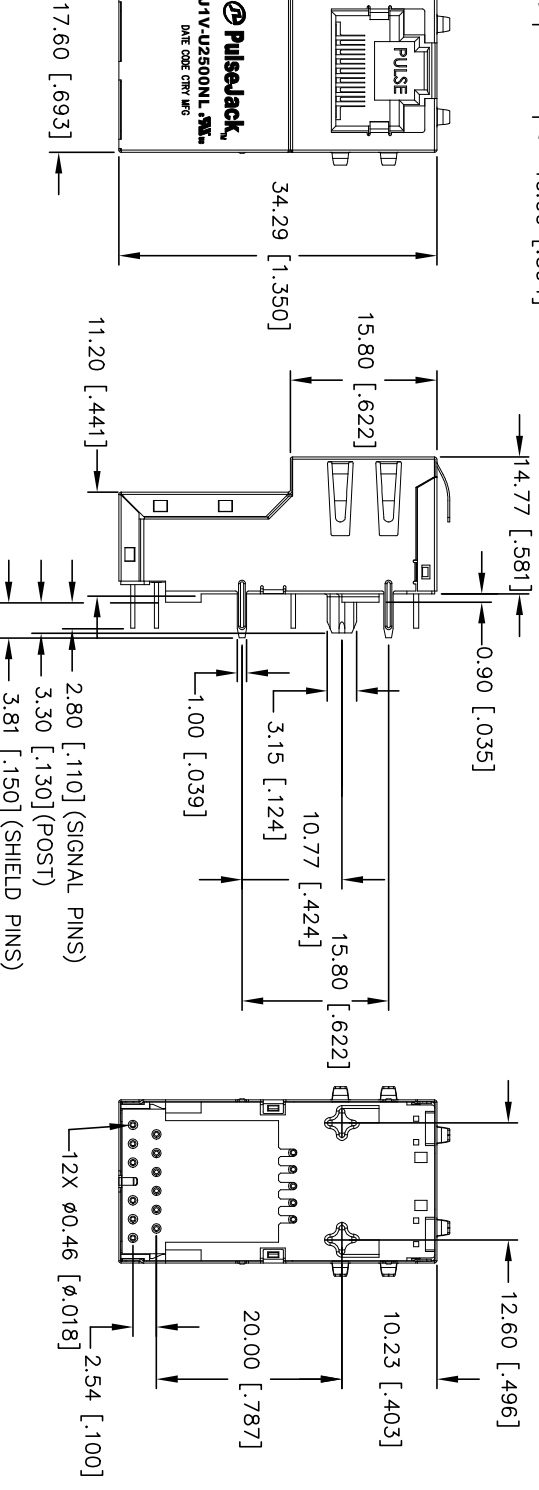
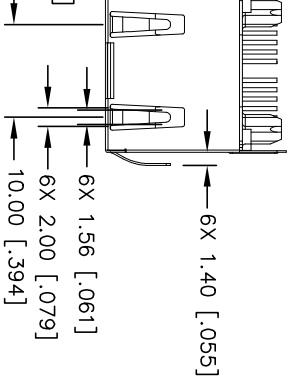
| | | |
|------------------------|--------------------|--------------------|
| EMMITTED COLOR | GREEN | YELLOW |
| WAVELENGTH (nm) | 568 nm | 585 nm |
| BRIGHTNESS (mcd) | 8.5 TYP. @ 20mA | 6.0 TYP. @ 20mA |
| VIEWING ANGLE | 85°-100° | 85°-100° |
| POWER DISSIPATION (Pd) | 100 mW MAX | 100 mW MAX |
| DC FORWARD CURRENT | 150 mA MAX | 150 mA MAX |
| FORWARD VOLTAGE (Vf) | 2.2 TO 2.6 VOLTS | 2.1 TO 2.6 VOLTS |
| REVERSE VOLTAGE (Vr) | 5.0 V MAX | 5.0 V MAX |

NOTE: PER VENDOR'S SPECIFICATIONS



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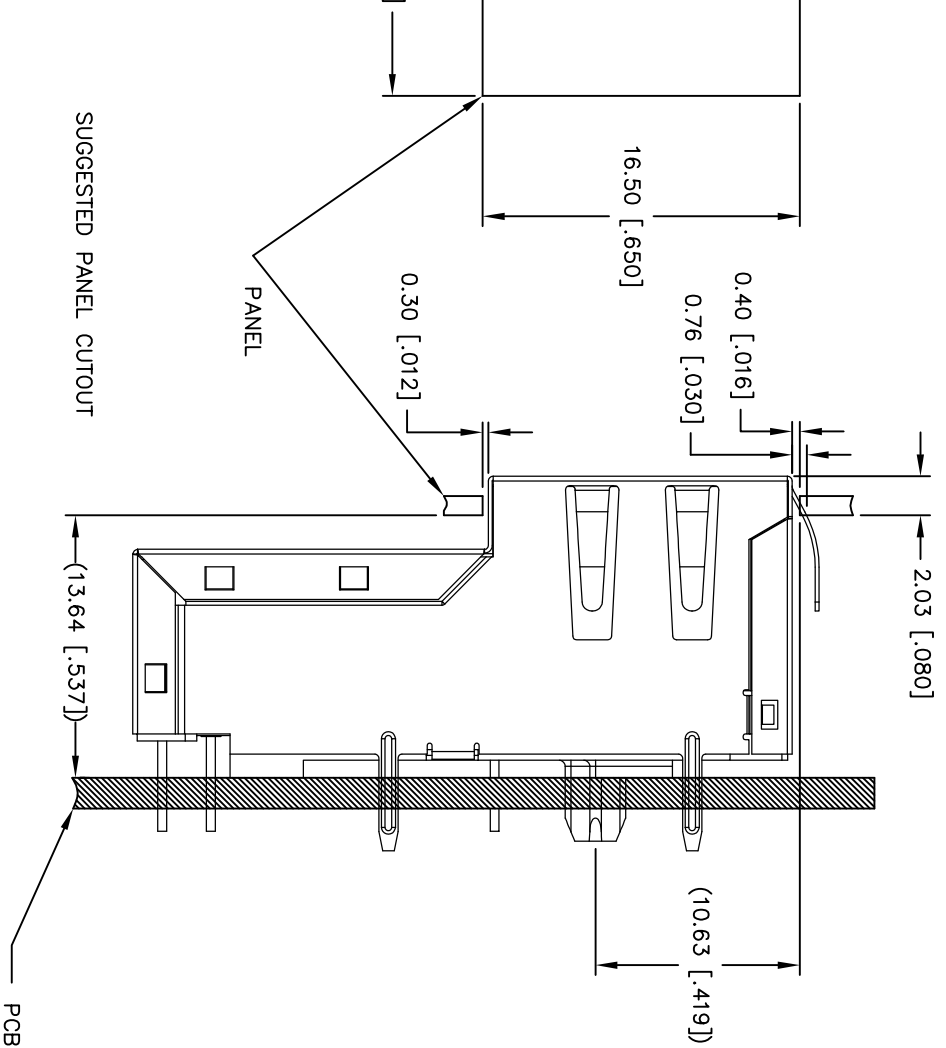
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| TLTA DRAWING 1V-U2500NL-12 | PS DRAWING PS-2880.002-B | SHEET 2 OF 5 | PART NO. J1V-U2500NL | DATASHEET REV. D |
|-------------------------------|-----------------------------|-----------------|-------------------------|---------------------|



[INCHES] WITH THE FOLLOWING
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| TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
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| J1V-U2500NL-12 | PS-2880.002-B | 3 OF 5 | J1V-U2500NL | D |



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| J1V-U2500NL-12 | PS-2880.002-B | 5 OF 5 | J1V-U2500NL | D |

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