



THE DATASHEET OF J1V-U5000NL



SERIAL WITH FLAMMABILITY

OLD PLATING:
BRONZE

EL

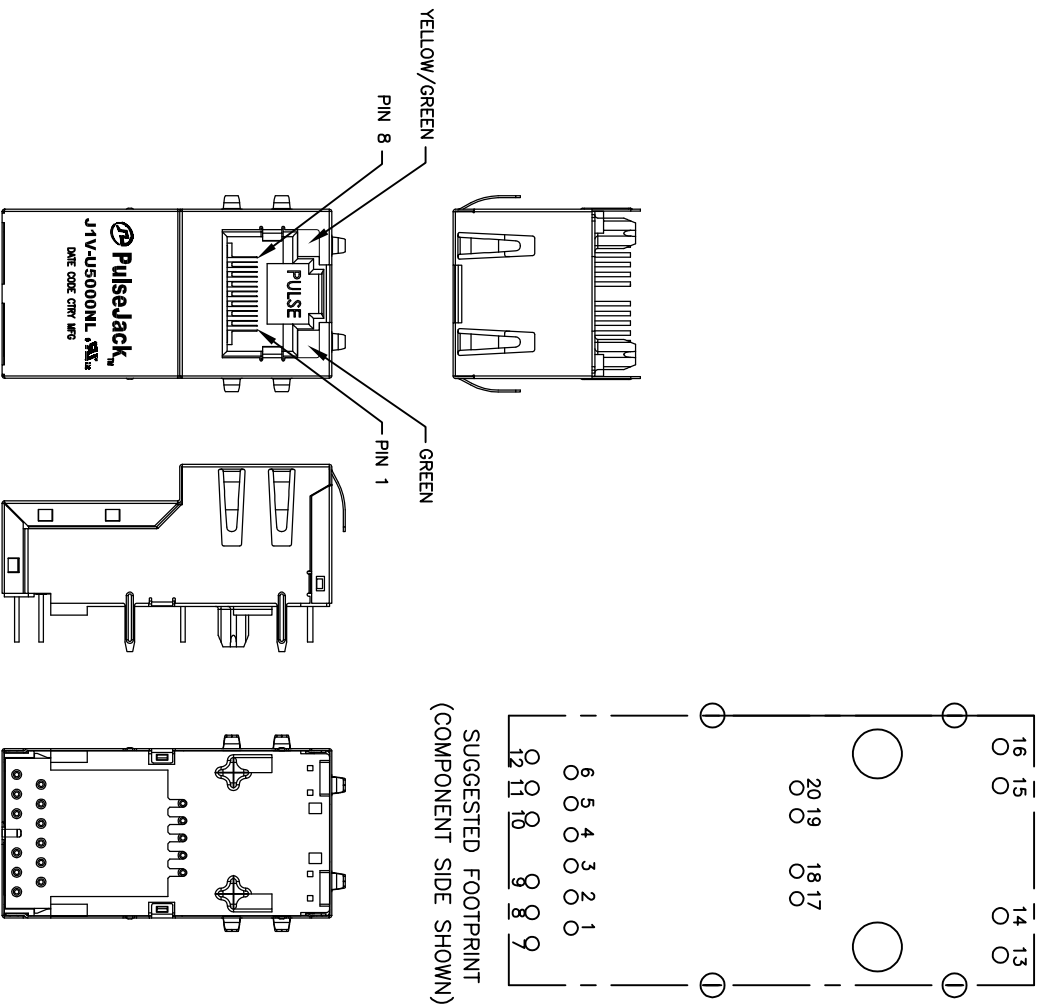
RES 100% TIN, MATTE FINISH.

PPER ALLOY.

68 SUBPART.

5°C

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



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ITLA DRAWING J1V-U5000NL-12	PS DRAWING PS-2880.002-B	SHEET 1 OF 5	PART NO. J1V-U5000NL	DATASHEET REV. B
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ELECTRONICS.COM(Asia) PHONE:USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768

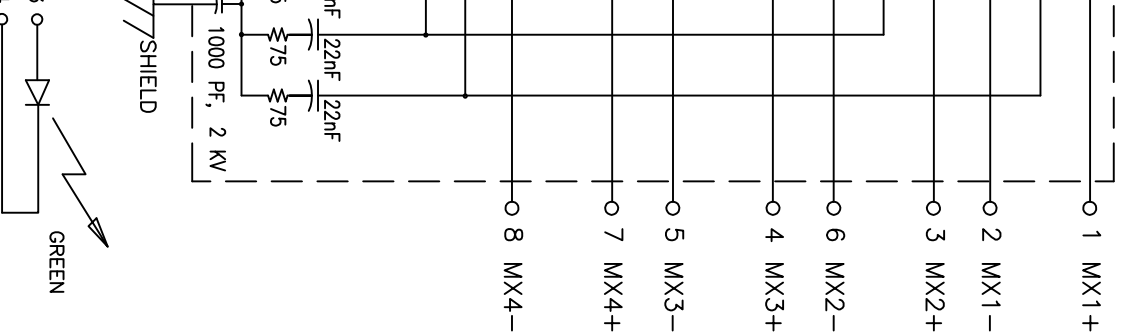
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
	PER SCHEMATIC		
OPERATING TEMPERATURE	0°C TO +70°C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (SDD21&SDD12)	1-50 MHz	50-125 MHz	125-250 MHz
	-0.5 dB MAX	-1.0 dB MAX	-1.5 dB MAX
PHY-SIDE RETURN LOSS (SDD11 - Zref = 100 OHMS ± 1%)	1 MHz-40 MHz	40 MHz-250 MHz	
	-20 dB MIN	-20+12.5*LOG ₁₀ (f/40) dB MIN	
LINE-SIDE RETURN LOSS (SDD22 - Zref = 100 OHMS ± 1%)	1 MHz-40 MHz	40 MHz-250 MHz	
	-20 dB MIN	-20+12.5*LOG ₁₀ (f/40) dB MIN	
INDUCTANCE (OCL)	180 uH MIN WITH 0 mA DC BIAS		
	150 uH MIN WITH 10.8 mA DC BIAS		
CROSSTALK, ADJACENT CHANNELS (SDD21 - ADJ.)	1-150 MHz	150-250 MHz	
	-30 dB MIN	-20 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	30 MHz-400 MHz		
	-30 dB MIN		
COMM. TO DIFF. REJECTION RATIO (SDC12)	10 MHz-250 MHz		
	-45+ <i>f</i> /35 dB MIN		
DC CURRENT CARRYING CAPABILITY	720 mA MAX AT 70°C		
	2250 VDC FOR 60 SECONDS		
INPUT - OUTPUT ISOLATION			

NOTE: *f* IS FREQUENCY IN MHZ.

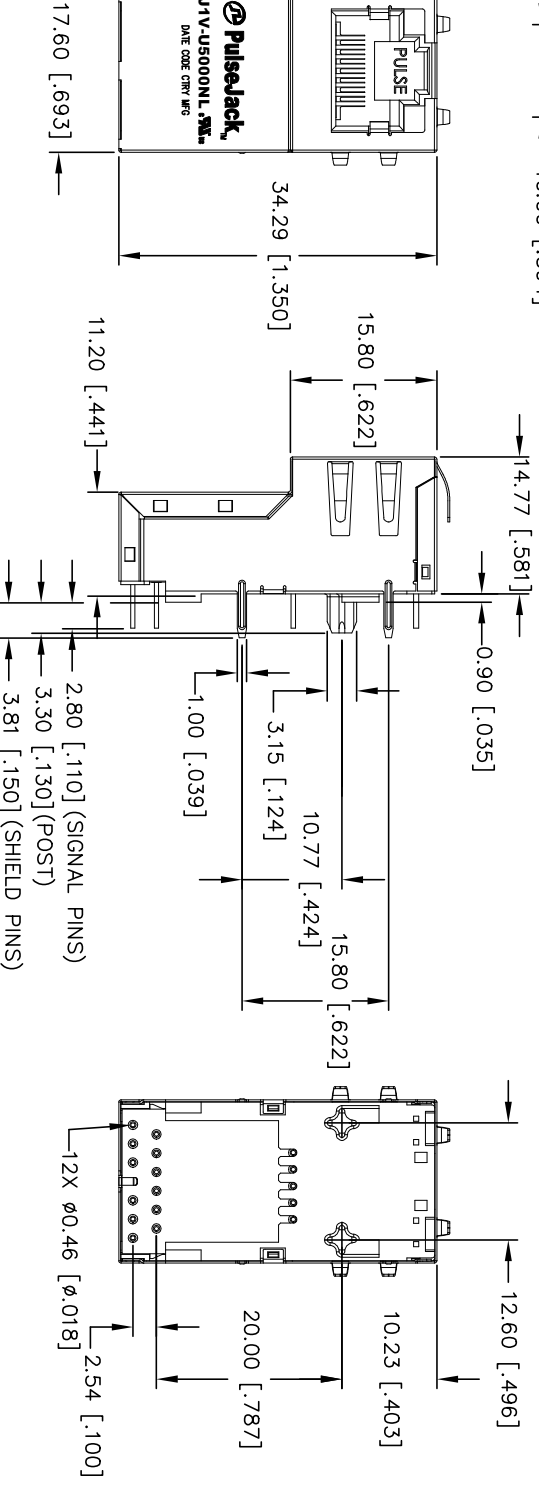
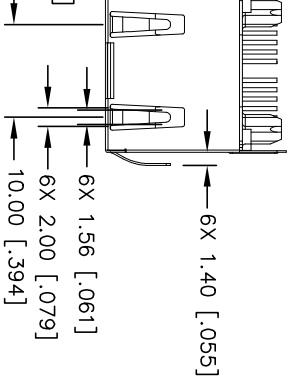
EMITTED COLOR	GREEN	YELLOW
WAVELENGTH (nm)	568 nm	585 nm
BRIGHTNESS (mCD)	8.5 TYP. @ 20mA	6.0 TYP. @ 20mA
VIEWING ANGLE	85°-100°	85°-100°
POWER DISSIPATION (Pd)	100 mW MAX	100 mW MAX
DC FORWARD CURRENT	150 mA MAX	150 mA MAX
FORWARD VOLTAGE (Vf)	2.2 TO 2.6 VOLTS	2.1 TO 2.6 VOLTS
REVERSE VOLTAGE (Vr)	5.0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

NOTE: PER VENDOR'S SPECIFICATIONS



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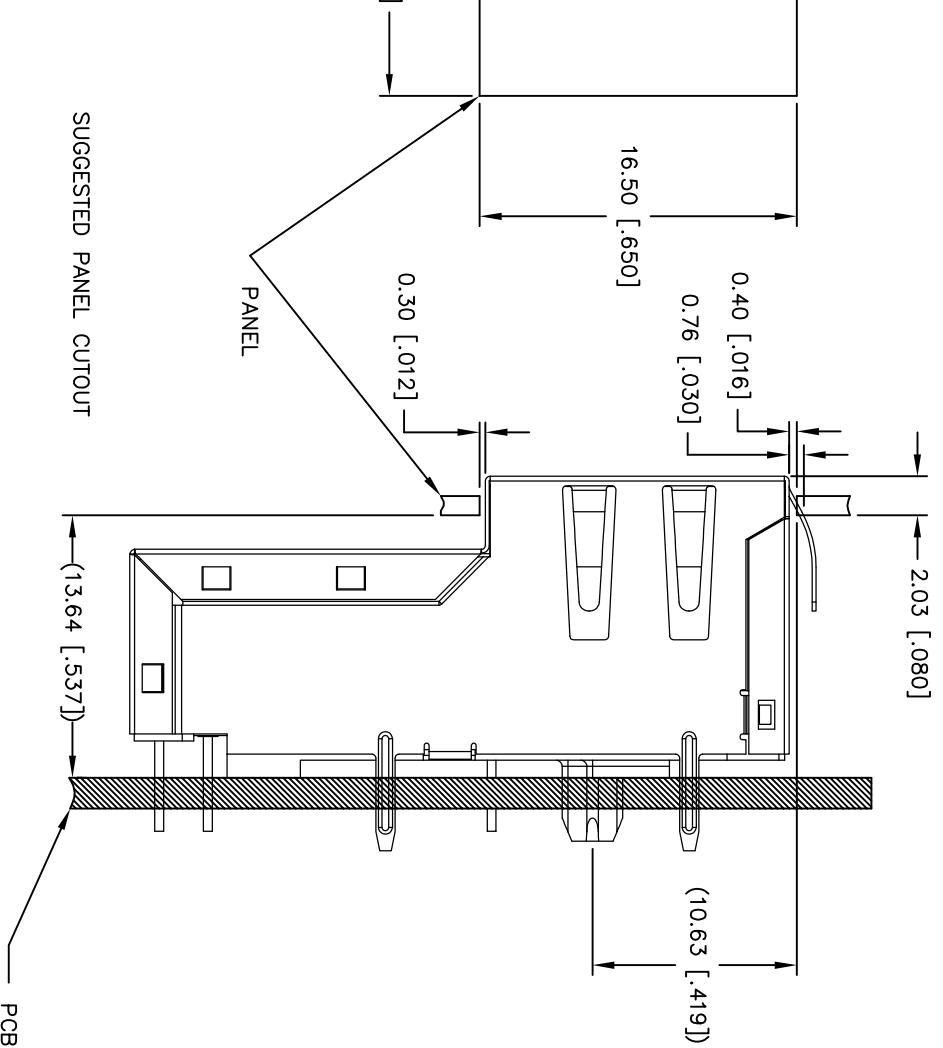
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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
J1V-U5000NL-12	PS-2880.002-B	3 OF 5	J1V-U5000NL	B



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