Pulse Electronics
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NOTES: UNLESS OTHERWISE SPECIFIED

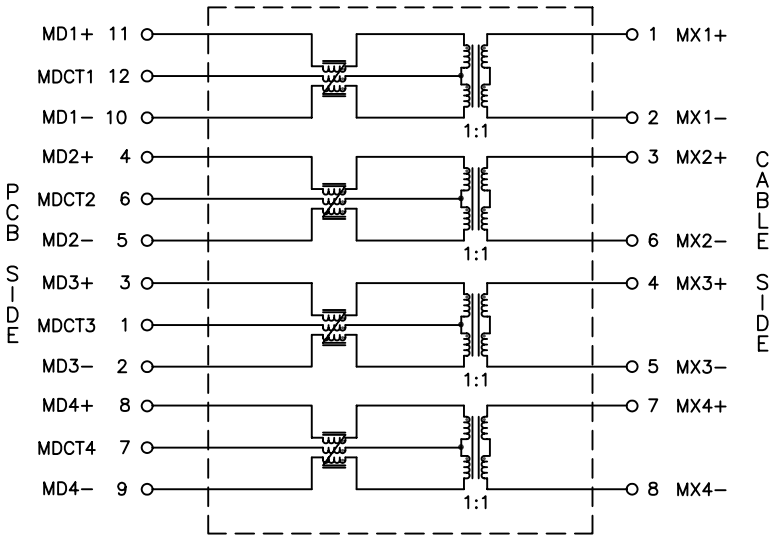
1. THIS COMPONENT CONFORMS TO UL60950. UL FILE NO. IS: E216117.

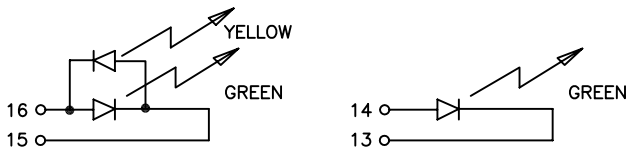
WARNING:	THIS COMPONENT IS RECOGNIZED BY ONE OR MORE SAFETY AGENCIES SUCH AS UL, VDE, CSA AND/OR TUV. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER QUALITY DEPARTMENT FOR SAFETY AGENCY COMPLIANCE.	ECN APPROVAL: QA APPROVAL: DATE:

2.

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

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: 30 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]





SCHEMATIC

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

PARAMETER	SPECIFICATION	
OPERATING TEMP	0°C-70°C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	$-0.2-0.002*f^{1.4}$ dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHz	40-100 MHz
	-18 dB MIN	$-12+20*\log_{10}(f/80\ \text{MHz})$ dB MIN
INDUCTANCE (OCL) (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	$-55+22*\log_{10}(f/10)$ dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz
	-50 dB MIN	$-15+20*\log_{10}(f/200)$ dB MIN
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

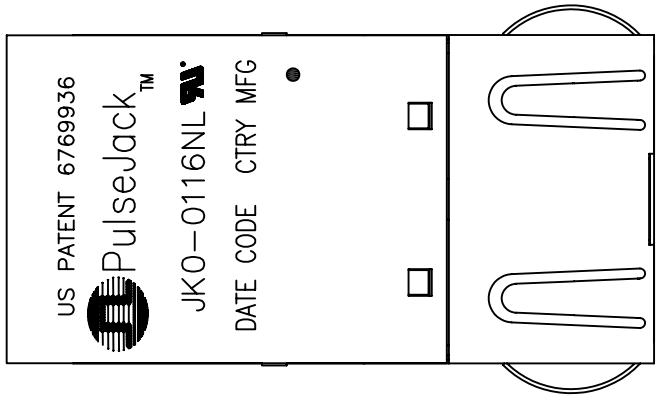
NOTE: f IS FREQUENCY IN MHz.

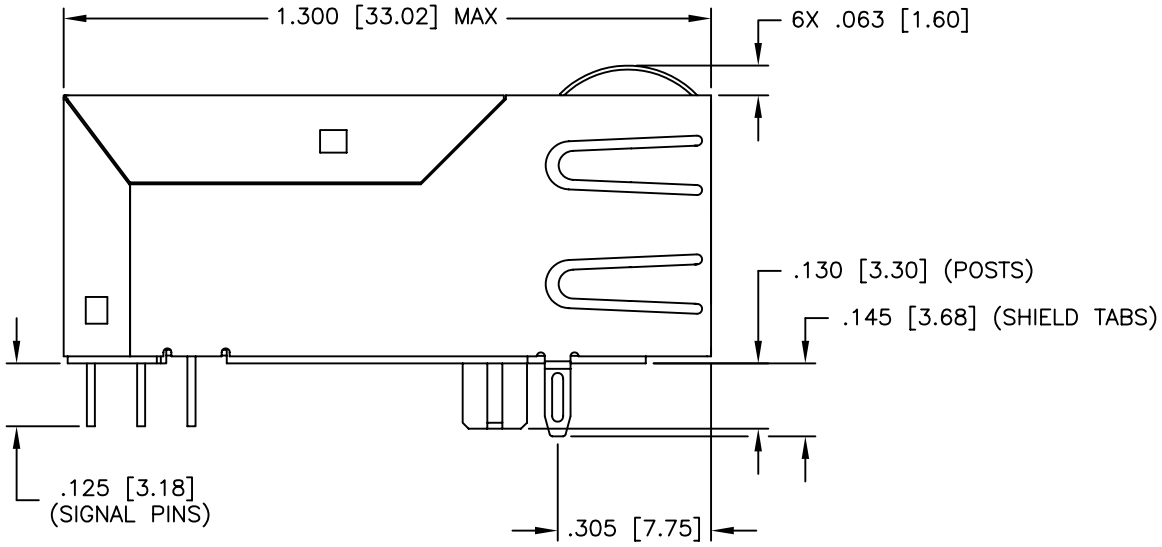
EMMITTED COLOR	GREEN	GREEN	YELLOW
WAVELENGTH (nm)	568 nM	568 nM	585 nM
BRIGTHNESS (mCD)	12 TYP. @ 20mA	8.5 TYP. @ 20 mA	6.0 TYP. @ 20 mA
VIEWING ANGLE	100°	100°	100°
POWER DISSIPATION (Pd)	68 mW MAX	100 mW MAX	100 mW MAX
DC FORWARD CURRENT	150 mA MAX	150 mA MAX	150 mA MAX
FORWARD VOLTAGE (Vf)	2.2 TO 2.7 VOLTS	2.2 TO 2.6 VOLTS	2.1 TO 2.6 VOLTS
REVERSE VOLTAGE (Vr)	5.0 V MAX	5.0 V MAX	5.0 V MAX

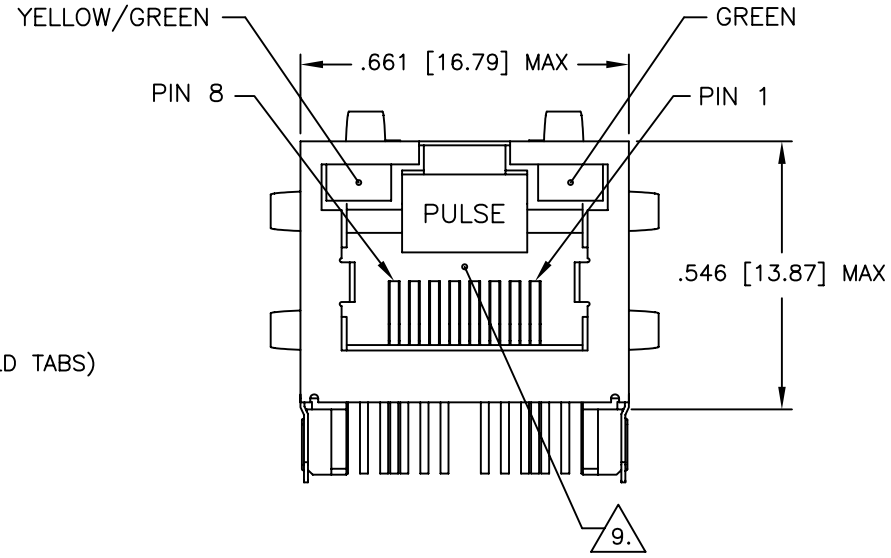
NOTE: PER VENDOR'S SPECIFICATIONS — BI-COLOR

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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,1X1,1GD,1:1,TY	PS-2390.004-A	1	JK0-0116NL	M10

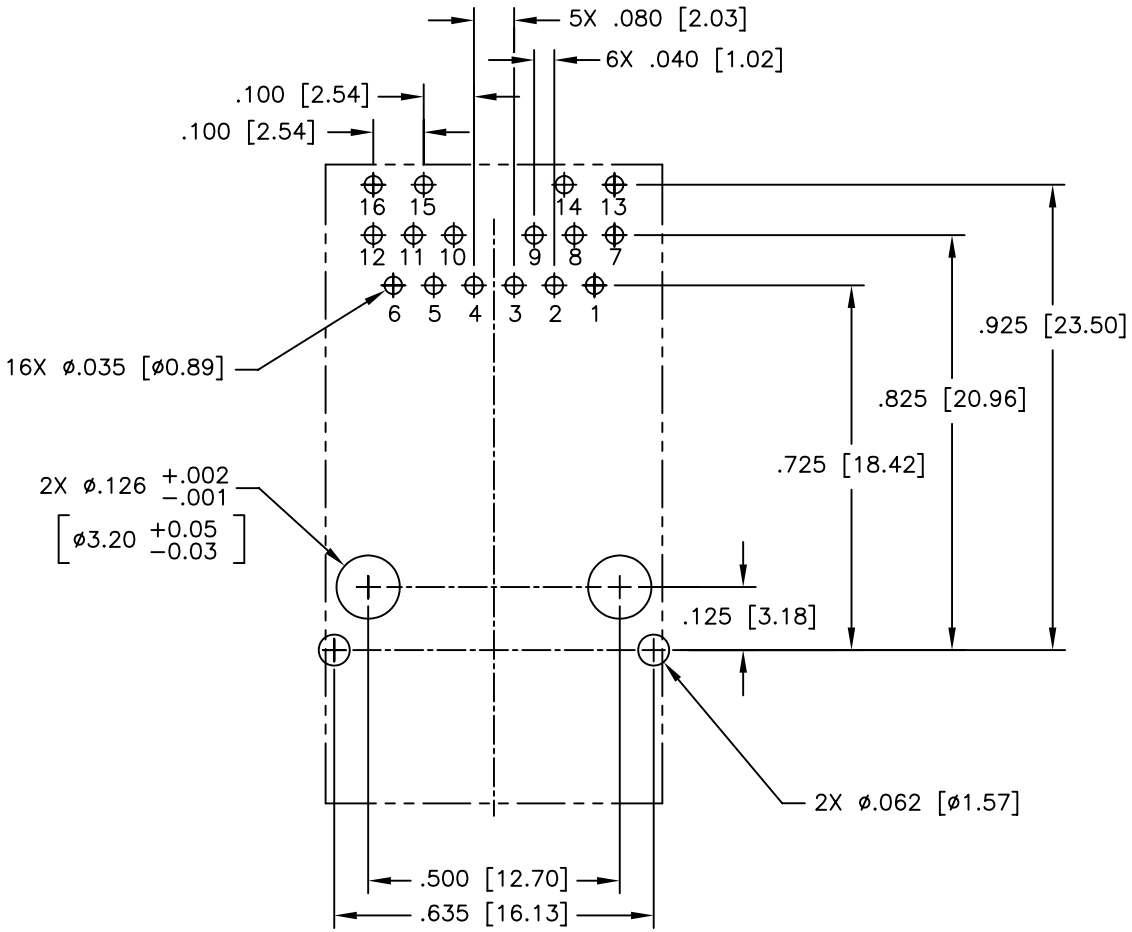




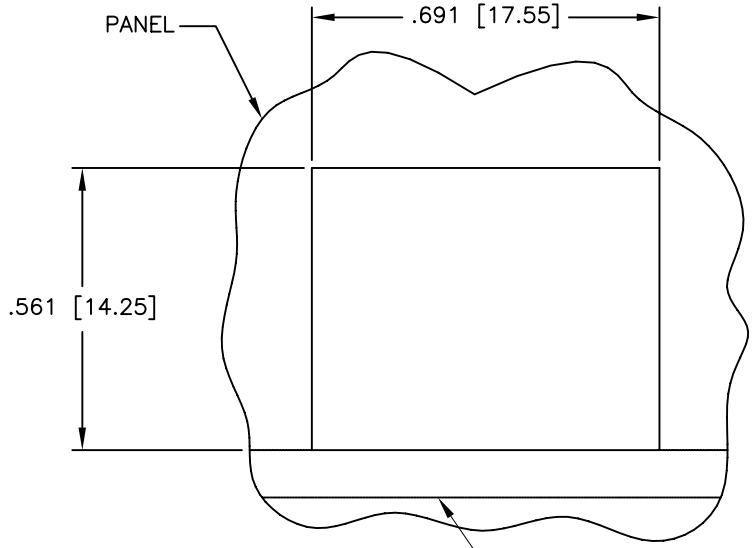


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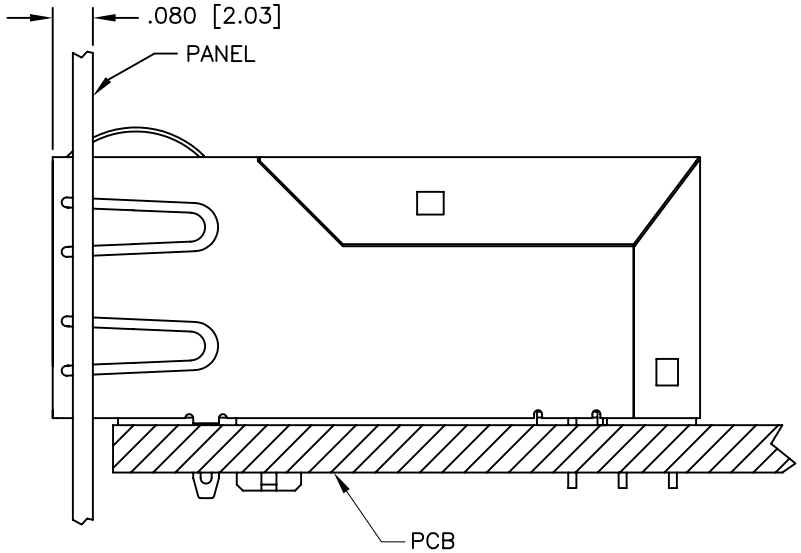
PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,1X1,1GD,1:1,TY	PS-2390.004-A	2	JK0-0116NL	M10



FRONT OF CONNECTOR
SUGGESTED PCB LAYOUT
(COMPONENT SIDE SHOWN)
DIMENSIONAL TOLERANCE:
.XXX ±.003 [X.XX ±0.08]



SUGGESTED PANEL CUTOUT



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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,1X1,1GD,1:1,TY	PS−2390.004−A	3	JK0−0116NL	M10

Unikeyic Electronics

Global Electronic Components Distributor

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Pulse Electronics:

JXD0-2015NL PA4320.334NLT PD380-4000S1NF PE-67100NL PG2290.151HLT W1902 JXD2-0Z10NL PA4343.451NLT PAT6261.003NLT PGL6395.121HLT W1093 ANT1204F007R0870A E5J88-032-02-L P0585NL PA4320.104NLT PA4341.221NLT PA4343.361NLT AWCS0012070736NJ00 BBUP00201209121Y00 DPX1608LKF3R2460A PA0369NL PA4341.301NLT W3078 BSPQ000603041N4B00 BSPQ000603043N0B00 W3334B0150 BDHE002520122R2MQ1 PA2744NL PD617-6000M243 PE-68386NLT