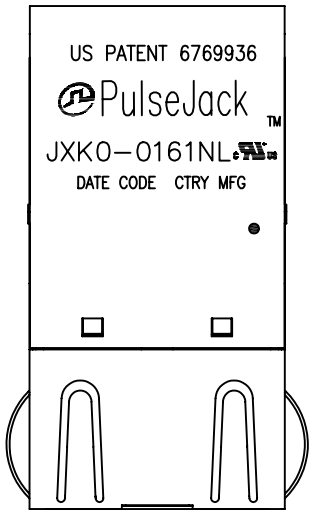
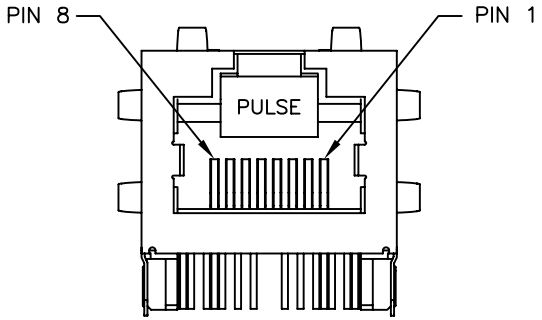
RoHS COMPLIANT

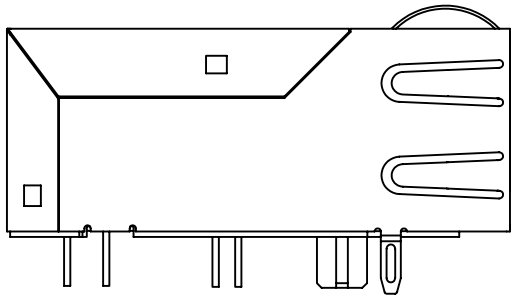
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NOTES:

1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 30 MICRO-INCH GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 30-50u INCHES NICKEL
6. SOLDER TAIL PLATING : 200-500 uINCHES 100% TIN, MATTE FINISH.
7. METAL SHIELD: NICKEL PLATING ON COPPER ALLOY.
8. JACK CAVITY CONFORMS TO FCC PART 68 SUBPART.
9. PCB PLATING: HASL
10. STORAGE TEMPERATURE: -50°C TO +125°C
11. COMPLIANCE TO J-STD:
    - A. J-STD-002: SOLDERABILITY AT 245°C DIP AND LOOK TEST
    - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
    - C. J-STD-075: W2, 270°C MAXIMUM THROUGH WAVE SOLDER





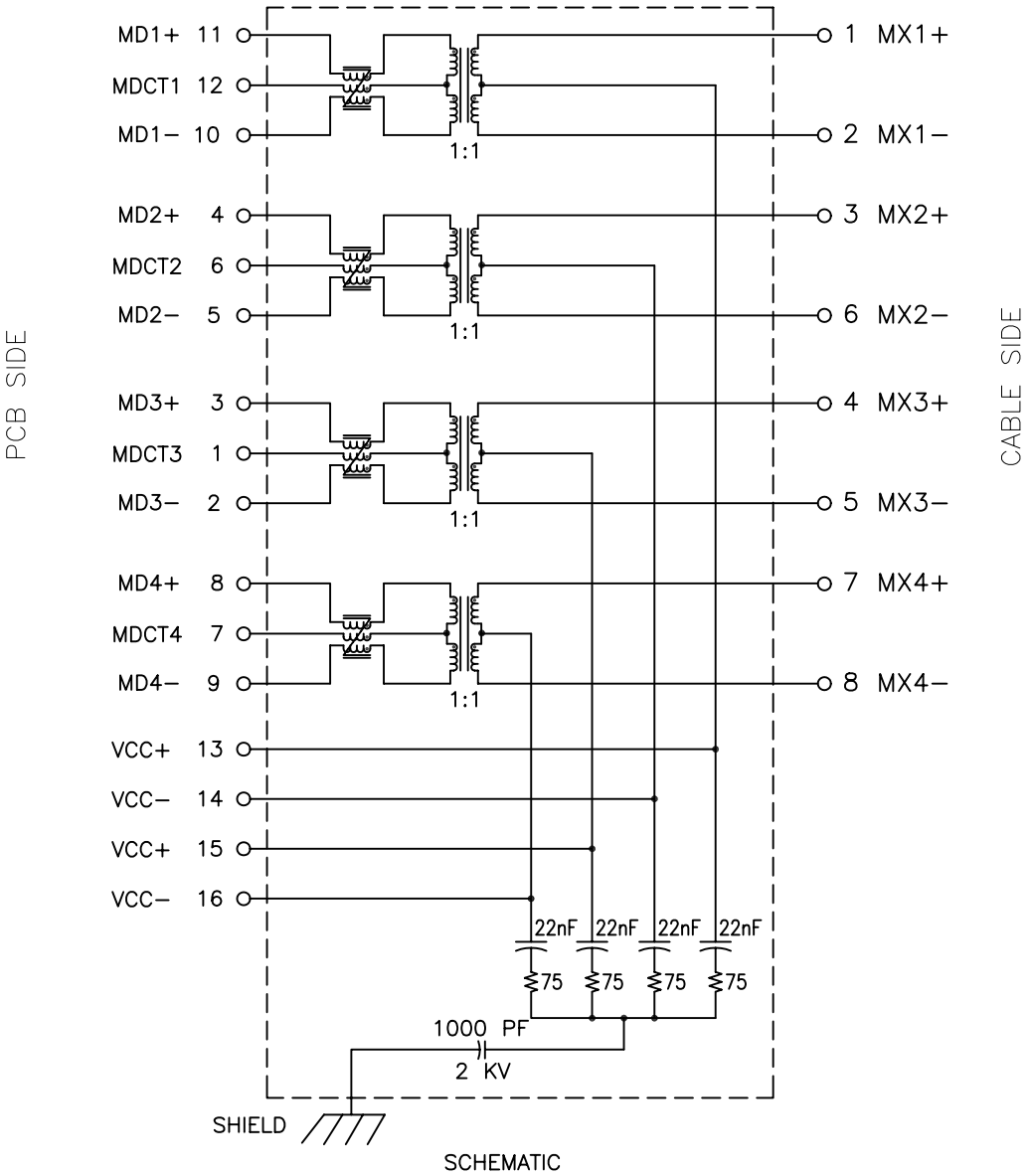


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,1GP,1:1,TY	JXK0-0161NL-10	PS-2390.007-B	1 OF 5	JXK0-0161NL	A

E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US), ASIA@PULSEELECTRONICS.COM(Asia)
PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768



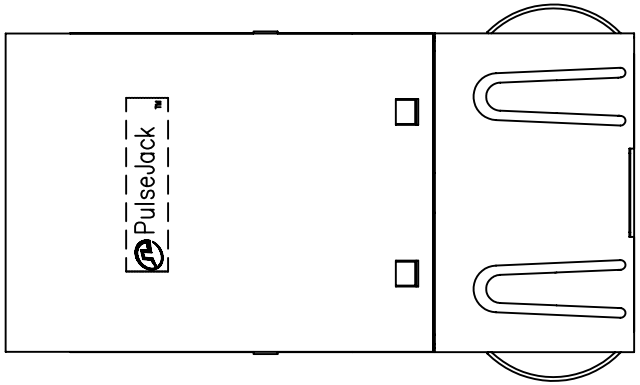
SCHEMATIC

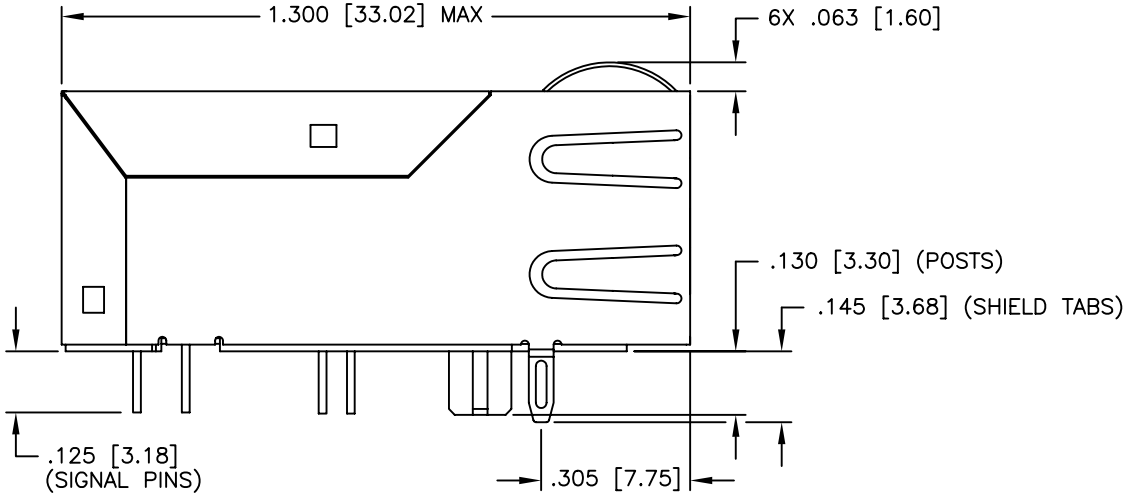
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

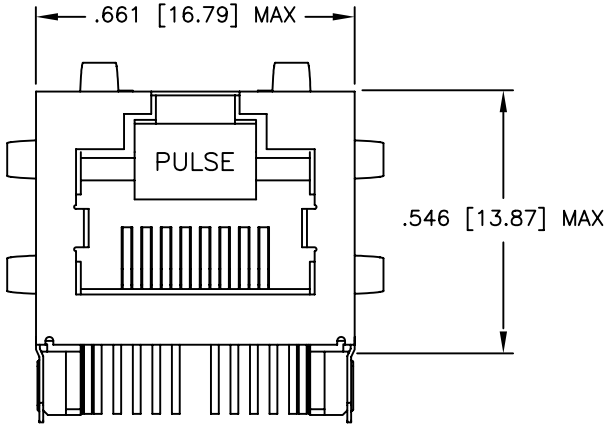
PARAMETER	SPECIFICATIONS	
OPERATING TEMP	−40°C – +85°C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1−125 MHz
	−1.2 dB MAX	$-0.2-0.002*f^{1.4}$ dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1−40 MHz	40−100 MHz
	−16 dB MIN	$-10+20*\log_{10}(f/80\ \text{MHz})$ dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, −40°C~85°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
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX	
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
DC CURRENT/VOLTAGE RATING – PSE PINS	350 mA, @ 57 V (CONTINUOUS)	
INPUT – OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.

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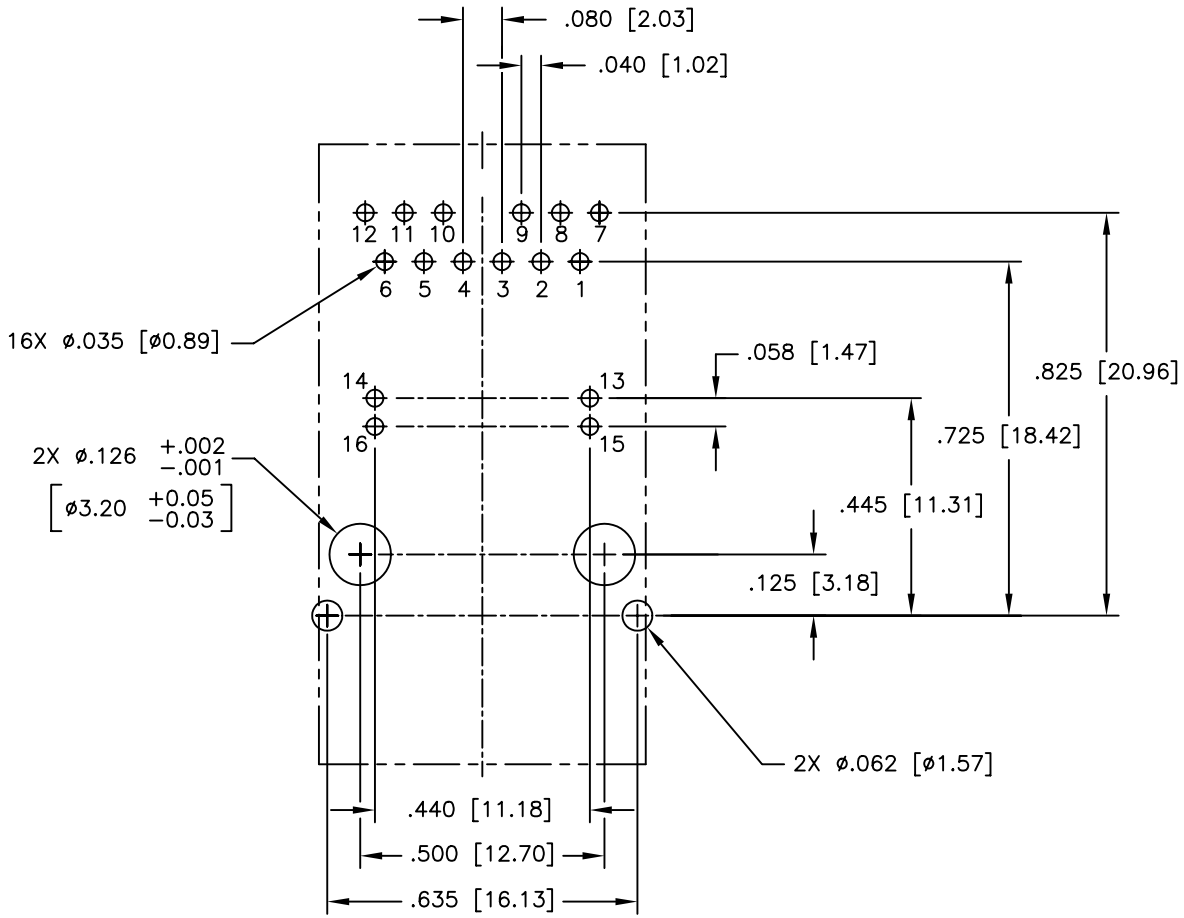




DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.02 [±0.50]
.XXX= ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,1GP,1:1,TY	JXK0-0161NL-10	PS-2390.007-B	3 OF 5	JXK0-0161NL	A

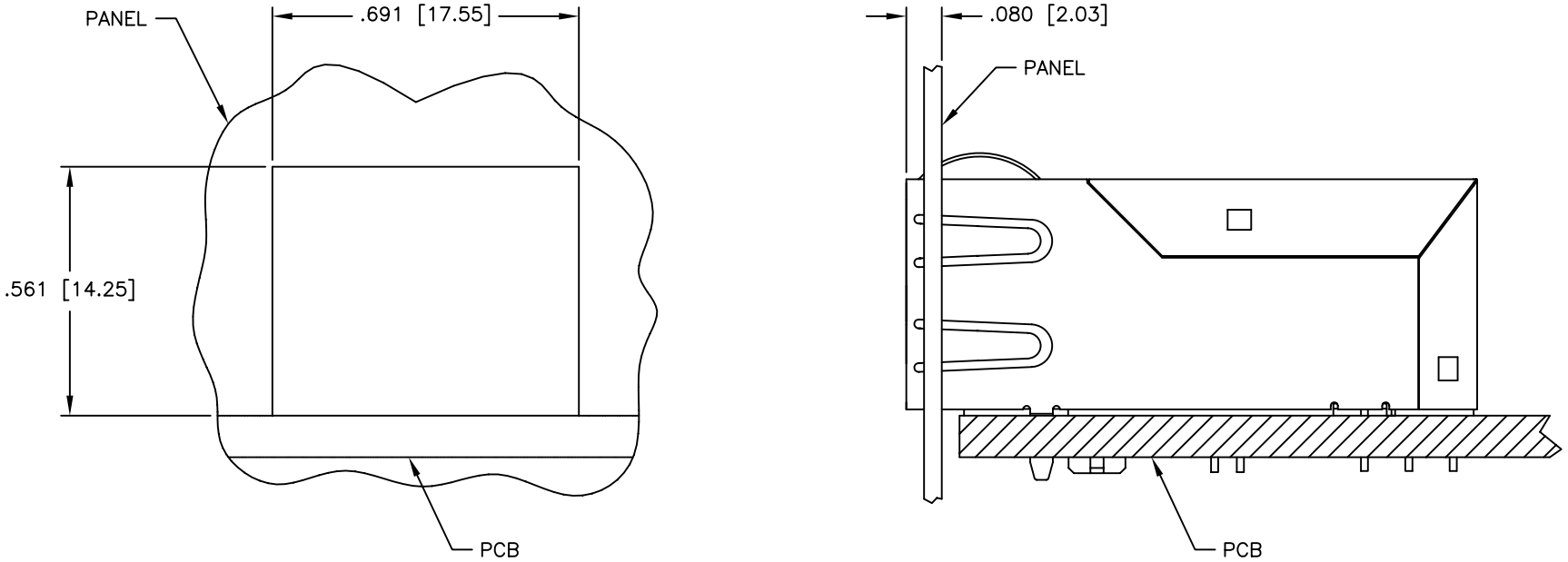


FRONT OF CONNECTOR
SUGGESTED PCB LAYOUT
(COMPONENT SIDE SHOWN)

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XXX= ±.003 [±0.08]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,1GP,1:1,TY	JXK0-0161NL-10	PS-2390.007-B	4 OF 5	JXK0-0161NL	A



SUGGESTED PANEL CUTOUT

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.02 [±0.50]
.XXX= ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100P,1:1,TY	JXK0-0161NL-10	PS-2390.007-B	5 OF 5	JXK0-0161NL	A

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