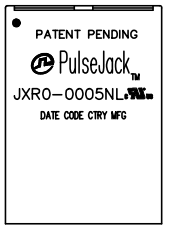
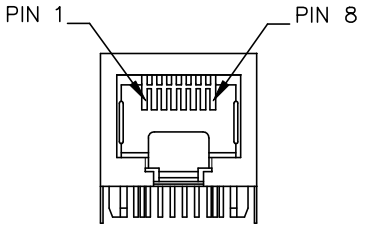
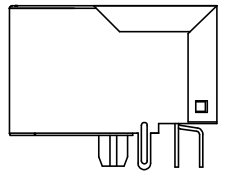
NOTES:

1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 15 MICRO-INCH GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 50u INCHES NICKEL
6. SOLDER TAIL PLATING : 120 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: ENIG
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 3, MOISTURE SENSITIVE
    - C. REFLOW PROFILE PEAK TEMPERATURE 245°C MAX/8 SECONDS



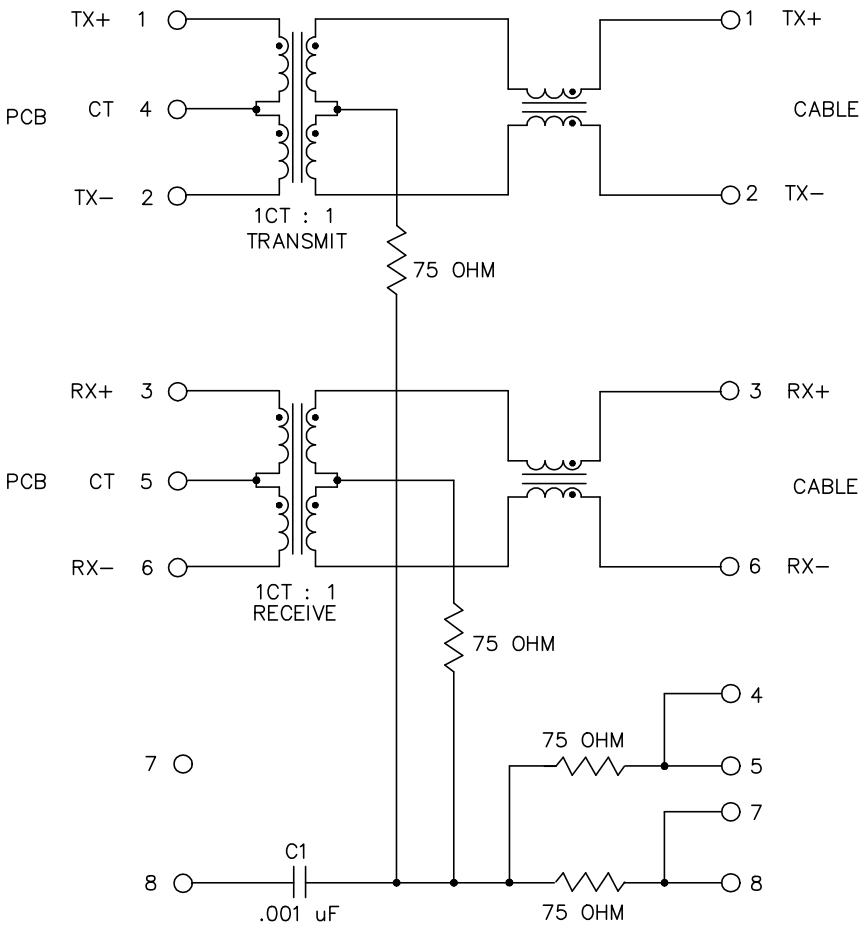




FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TM	JXR0-0005NL-11	PS-2160.004-A	1 OF 4	JXR0-0005NL	B



SCHEMATIC

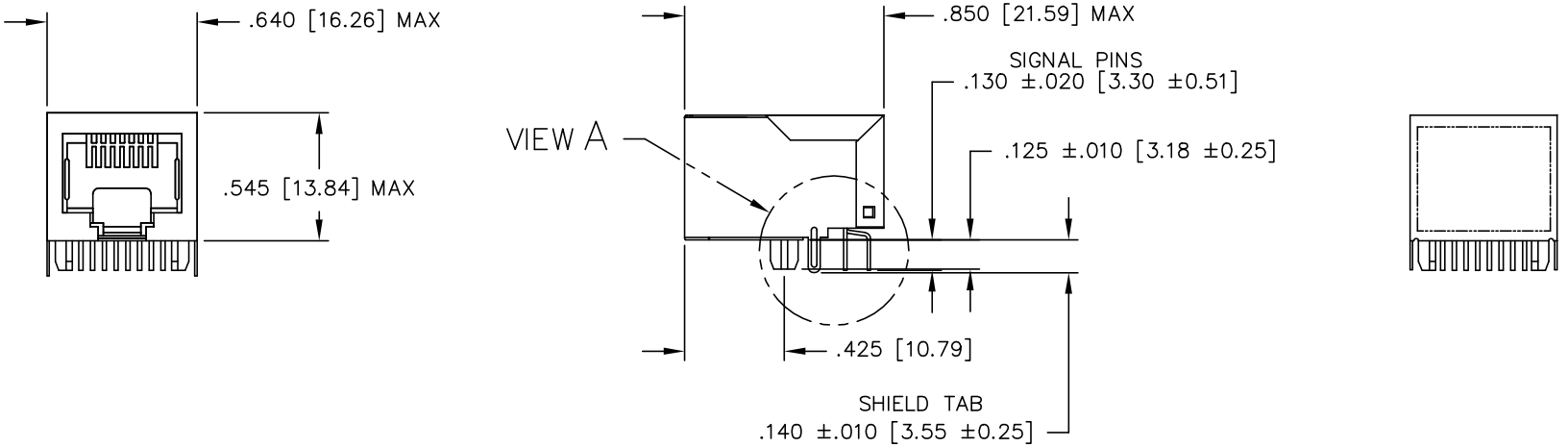
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

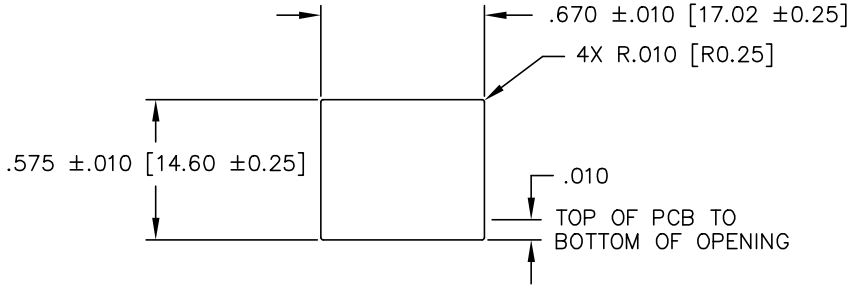
PARAMETER	SPECIFICATIONS		
OPERATING TEMP	−40°C TO +85°C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1−125 MHz	
	−1.2 dB MAX	$-0.2-0.002*f^{1.4}$ dB MAX	
RETURN LOSS (Z OUT = 100 OHM±15%)	.1−30 MHz	30−60 MHz	60−80 MHz
	−16 dB MIN	$-10+20*\log_{10}(f/60\ \text{MHz})$ dB MIN	−10 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	$-50+17*\log_{10}(f/10)$ 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	.60 OHMS MAX		
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)		
INPUT − OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHz.

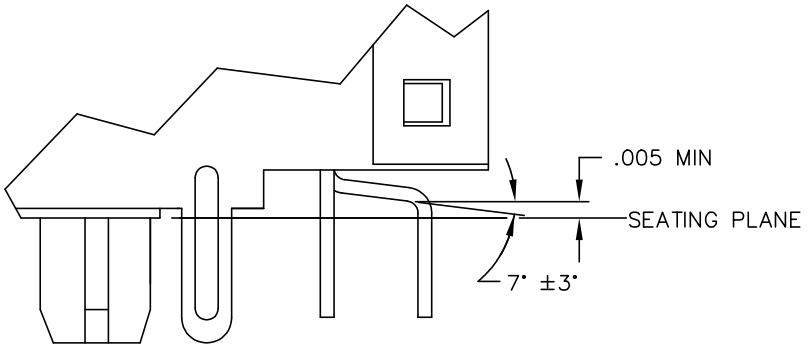
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RECOMMENDED PANEL CUTOUT

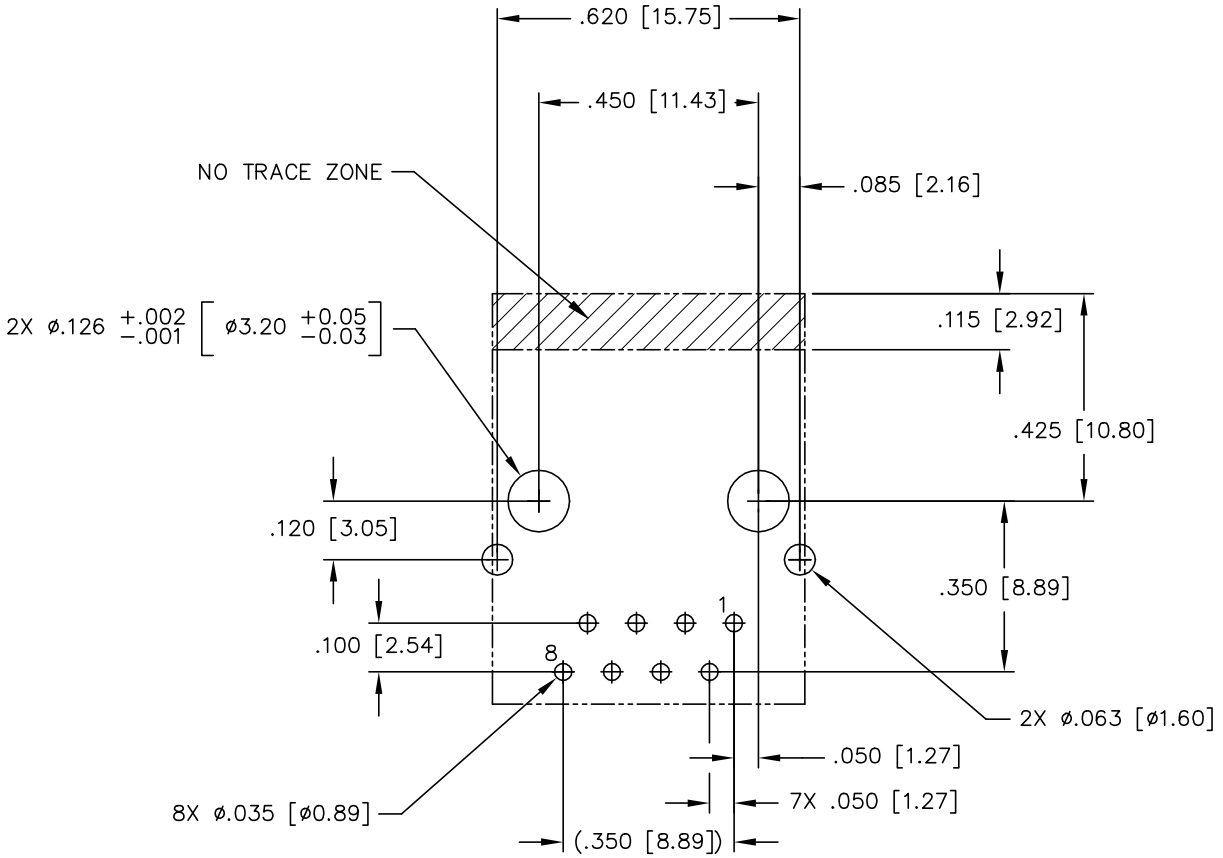


VIEW A

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.02 [±0.5]
.XXX= ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TM	JXR0-0005NL-11	PS-2160.004-A	3 OF 4	JXR0-0005NL	B



SUGGESTED PC BOARD LAYOUT VIEWED FROM COMPONENT SIDE
PCB LAYOUT DIMENSIONS TO BE ±.002 UNLESS OTHERWISE SPECIFIED
SCALE: 4/1

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±.02 [±0.5]
.XXX= ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TM	JXR0-0005NL-11	PS-2160.004-A	4 OF 4	JXR0-0005NL	B

Unikeyic Electronics

Global Electronic Components Distributor

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Pulse Electronics:

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