

J00-0086NL

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NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF PULSE WHO RESERVES ALL RIGHTS THERETO.

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: THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
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- 3. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
- 4. CONTACT BASE MATERIAL: PHOSPHOR BRONZE.
- 5. CONTACTS UNDERPLATE: 50 MICROINCHES DUCTILE NICKEL.
- 6. CONTACTS PLATING: 15 MICRO-INCH GOLD PLATING.
- 7. SOLDER TAIL PLATING MATERIAL: 120 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. REVISION: MX1, MX2, ARE PRELIMINARY.

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PRODUCT SPECIFICATION

TITLE

CONN,RJ45,1X1,100D,1.414:1,TU

SIZE	CAGE CODE	DWG. NO.	REV.
B01961		J00-0086NL	M11
SCALE	CADD FILE	SHEET	
NONE	M-J00-0086NL-1	1 OF 5	

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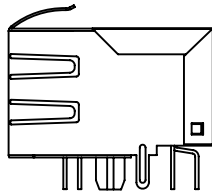
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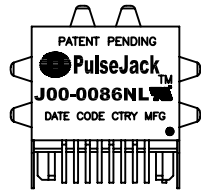
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J00-0086NL 4
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SIDE VIEW

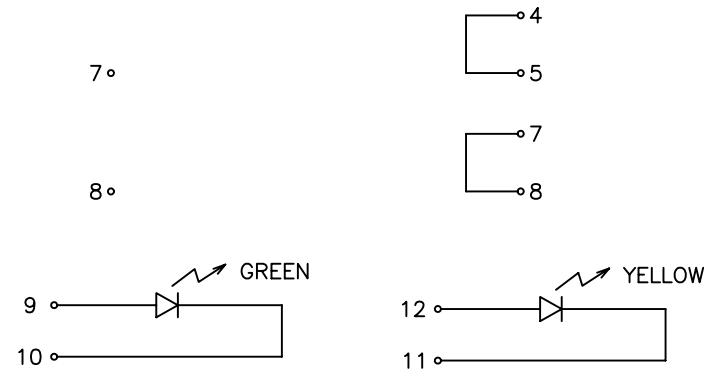
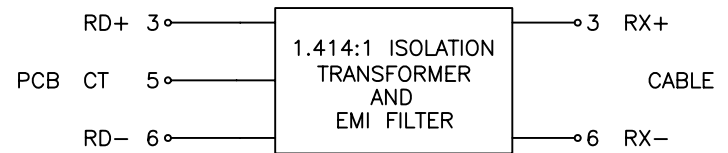
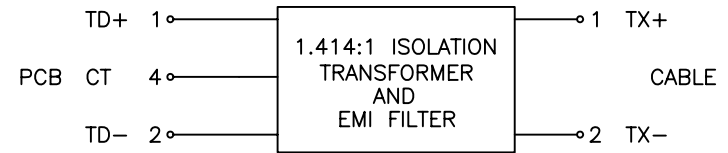


BACK VIEW

Electrical @ 25°C

PARAMETER	SPECIFICATIONS		
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 MHz) dB MIN	
		-10 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	-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	1500 VRMS MIN @ 60 SECONDS		

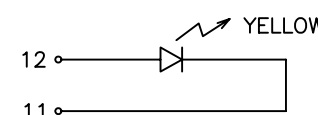
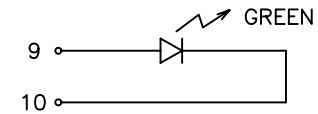
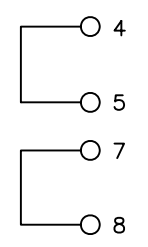
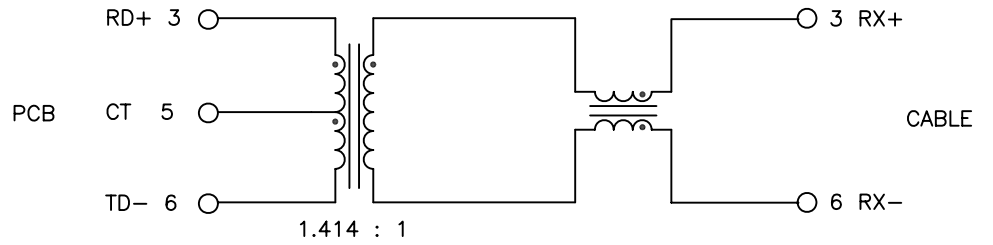
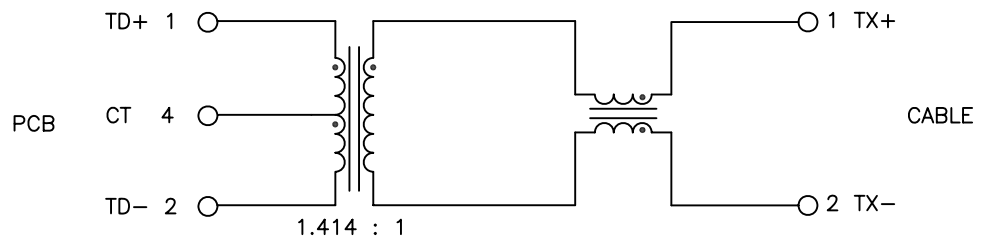
NOTE: f IS FREQUENCY IN MHz.



SCHEMATIC

PULSE CONFIDENTIAL AND PROPRIETARY			
SIZE	CAGE CODE	DWG. NO.	REV.
B01961		J00-0086NL	M11
SCALE	CADD FILE		SHEET
NONE		M-J00-0086NL-2	2 OF 5

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SIZE	CAGE CODE	DWG. NO.	REV.
B	01961	J00-0086NL	M11
SCALE	CADD FILE	SHEET	
NONE	M-J00-0086NL-3	3 OF 5	

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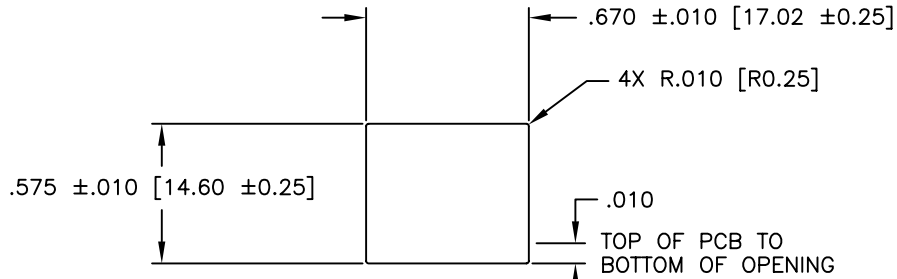
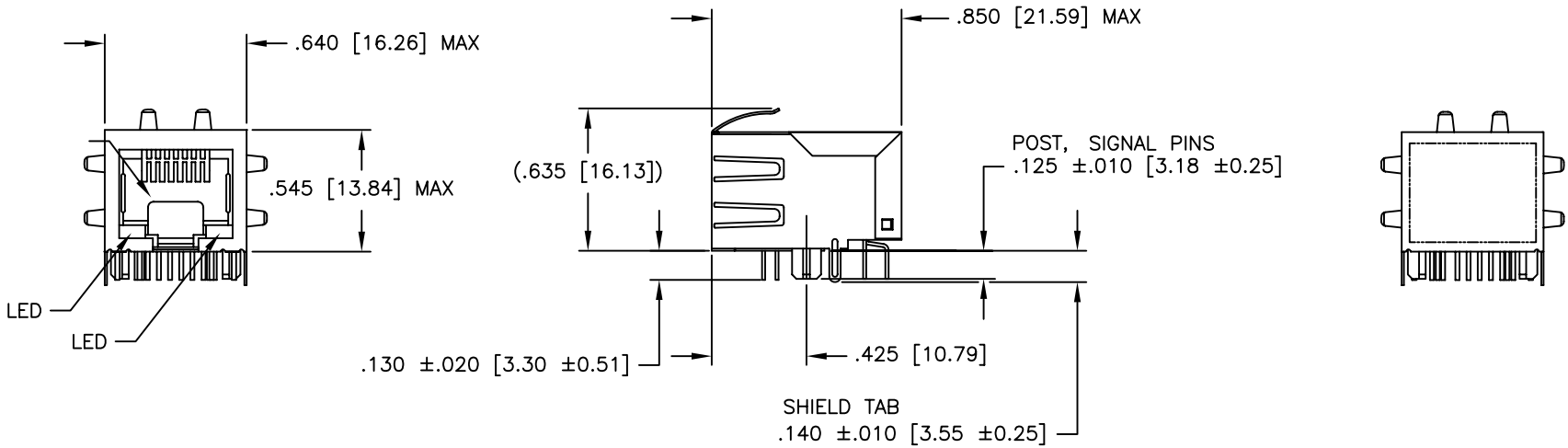
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RECOMMENDED PANEL CUTOUT

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

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:

DECIMALS .XX ±.01 .XXX ±.005 ANGLES ±

DO NOT SCALE DRAWING

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SIZE	CAGE CODE	DWG. NO.	REV
B01961		J00-0086NL	M11
SCALE	CADD FILE	M-J00-0086NL-5	SHEET 4 OF 5

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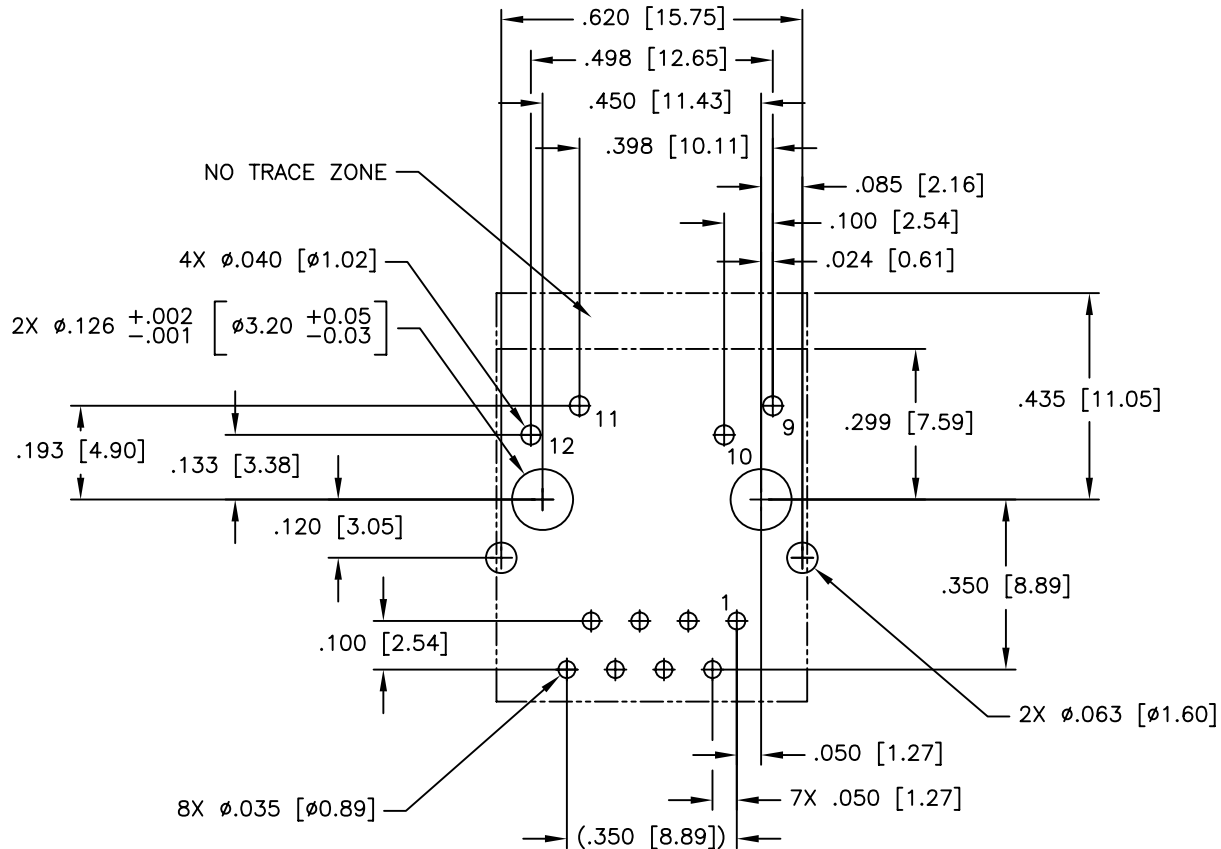
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SUGGESTED PC BOARD LAYOUT VIEWED FROM COMPONENT SIDE
PCB LAYOUT DIMENSIONS TO BE ±.002 UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:

DECIMALS: .XX ±.01, .XXX ±.005
ANGLES: ±, ±±

PS-2204.004-A

DO NOT SCALE DRAWING

PULSE CONFIDENTIAL AND PROPRIETARY

SIZE	CAGE CODE	DWG. NO.	REV
B01961		J00-0086NL	M11
SCALE	CADD FILE	M-J00-0086NL-6	SHEET 5 OF 5
NONE			

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