


J00-0086NL 4


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.
RoHS 	

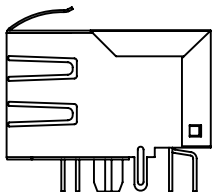
3. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
4. CONTACT BASE MATERIAL: PHOSPHOR BRONZE.
5. CONTACTS UNDERPLATE: 50 MICROINCHES DUCTILE NICKEL.
6. CONTACTS PLATING: 15 MICRO-INCH GOLD PLATING.
7. SOLDER TAIL PLATING MATERIAL: 120 MICROINCHES 100% TIN, MATTE FINISH.
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.

PULSE CONFIDENTIAL AND PROPRIETARY			
		PRODUCT SPECIFICATION	
TITLE CONN,RJ45,1X1,100D,1.414:1,TU			
SIZE B101961	CAGE CODE	DWG. NO. J00-0086NL	REV. M11
SCALE NONE	CADD FILE	M-J00-0086NL-1	SHEET 1 OF 5

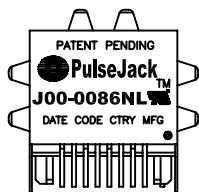
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SIDE VIEW

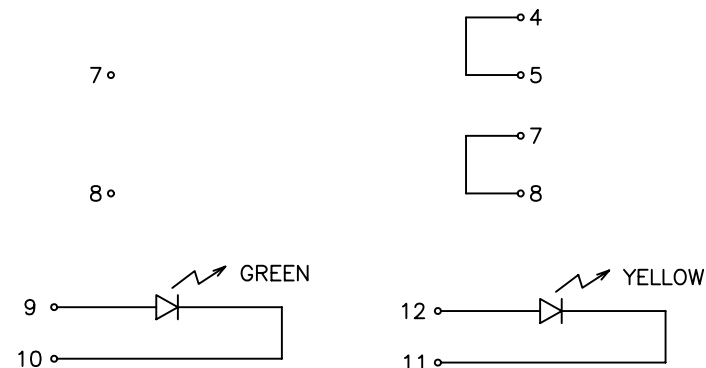
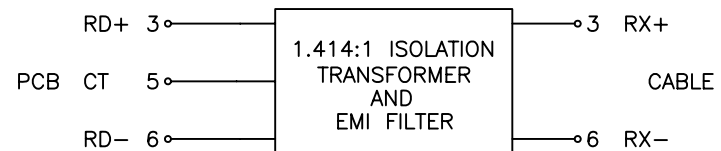
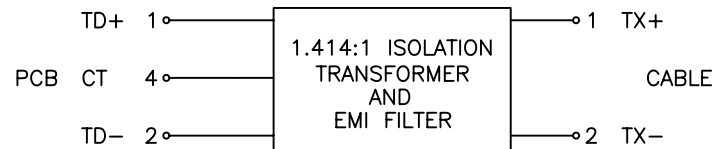


BACK VIEW

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

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

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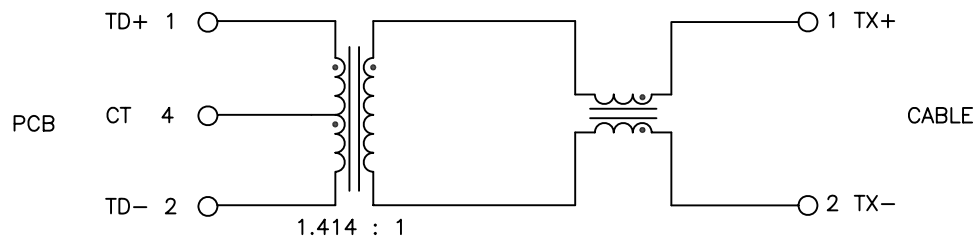
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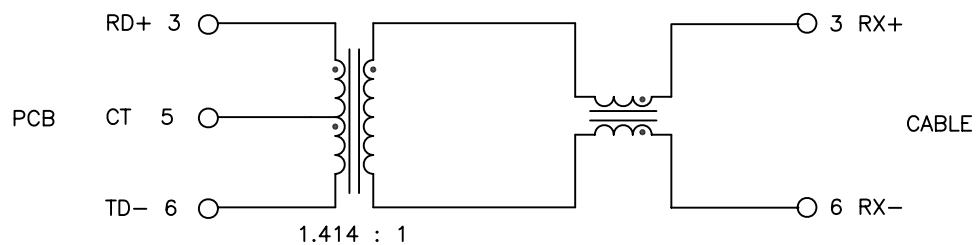
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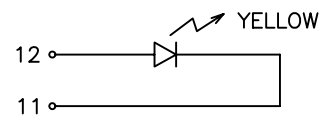
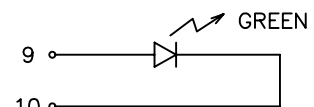
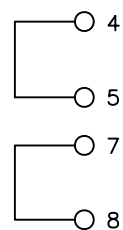


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SIZE	CAGE CODE	DWG. NO.	REV.
B	01961	J00-0086NL	M11
SCALE	NONE	CADD FILE	SHEET
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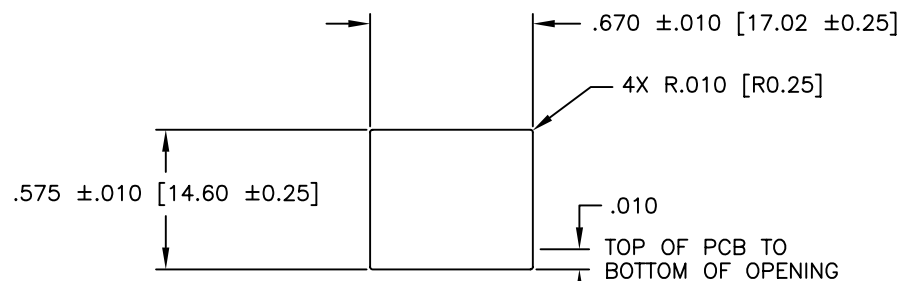
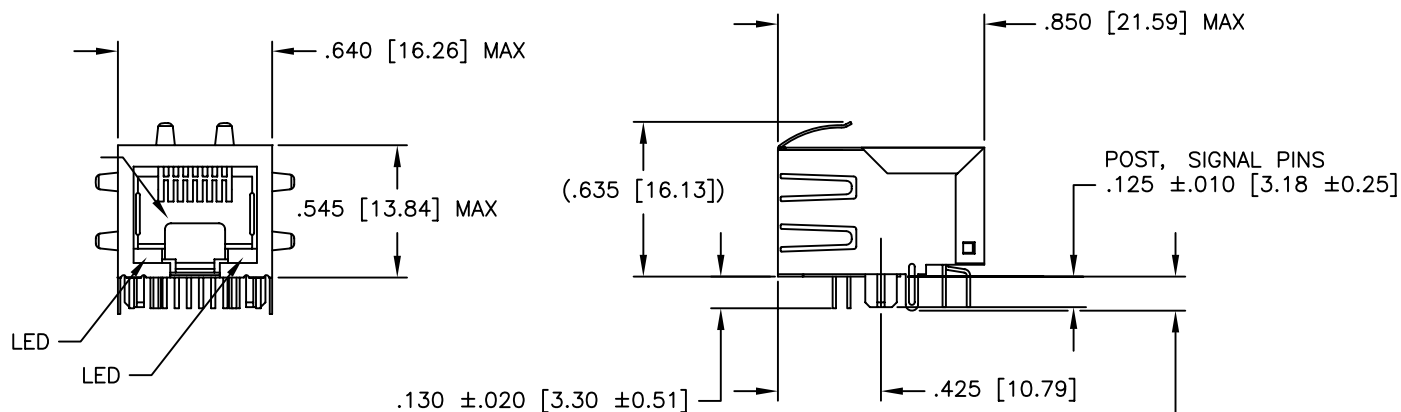
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DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XXX ±.010 [X.XX ±0.25]

UNLESS OTHERWISE SPECIFIED, ALL
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
DECIMALS ANGLES
-XX ±.01 ±
-XXX ±.005 ±
DO NOT SCALE DRAWING

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SIZE	CAGE CODE	DWG. NO.	REV
B	01961	J00-0086NL	M11
SCALE	NONE	CADD FILE	SHEET
		M-J00-0086NL-5	4 OF 5

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