



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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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.
	

- 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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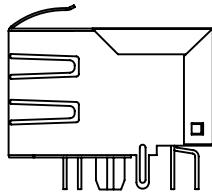
B

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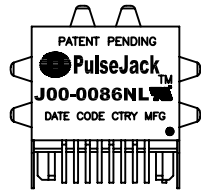
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SIDE VIEW

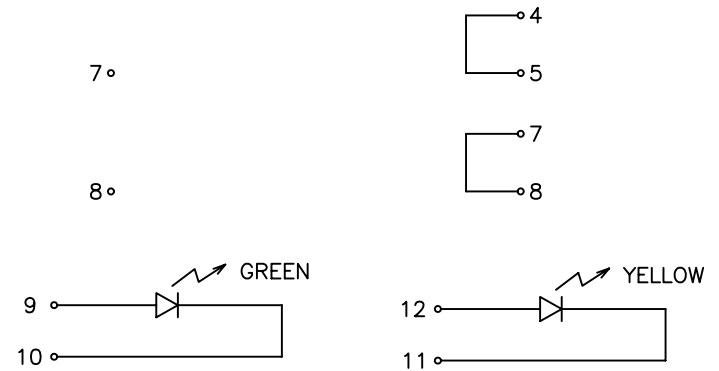
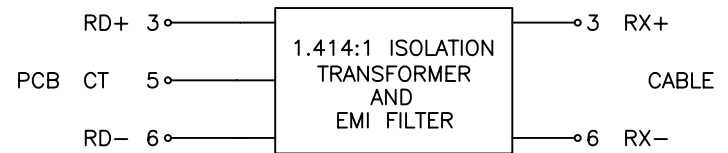
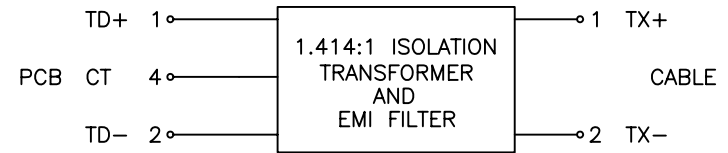


BACK VIEW

Electrical @ 25°C

PARAMETER	SPECIFICATIONS		
INSERTION LOSS	100 KHz	1-125 MHz	
	-1.2 dB MAX	-0.2-0.002*f <sup>1.4</sup> dB MAX	
RETURN LOSS (Z OUT = 100 OHM±15%)	.1-30 MHz	30-60 MHz	60-80 MHz
	-16 dB MIN	-10+20*LOG <sub>10</sub> (f/60 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	-50+17*LOG <sub>10</sub> (f/10) dB MIN	
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz	
	-50 dB MIN	-15+20*LOG <sub>10</sub> (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		

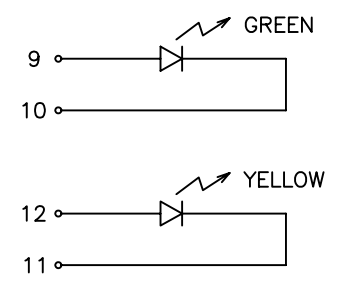
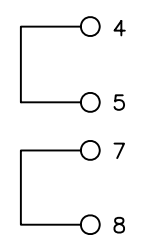
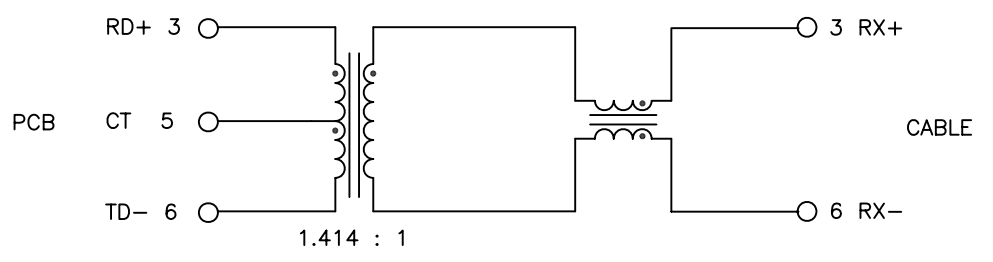
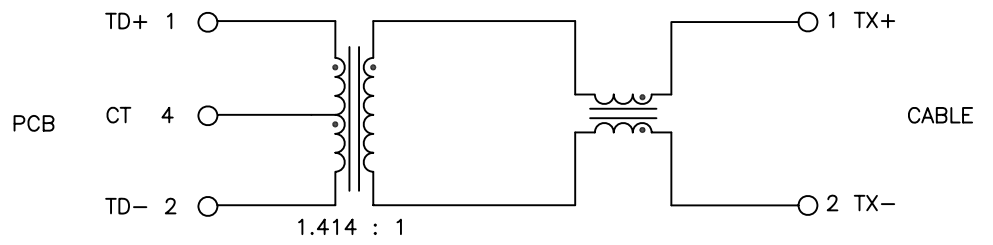
NOTE: f IS FREQUENCY IN MHz.



SCHEMATIC

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

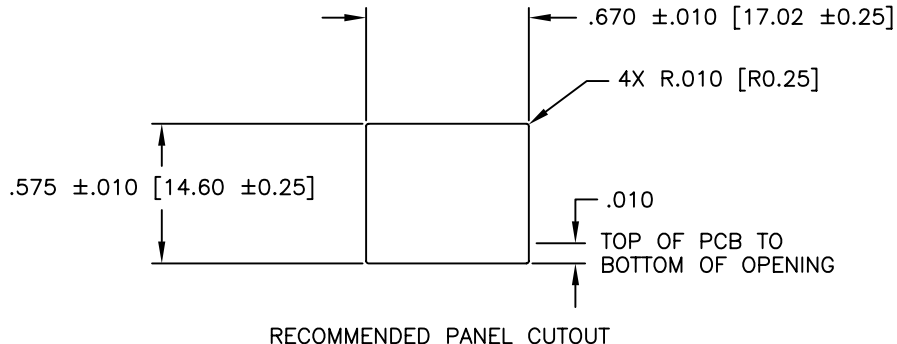
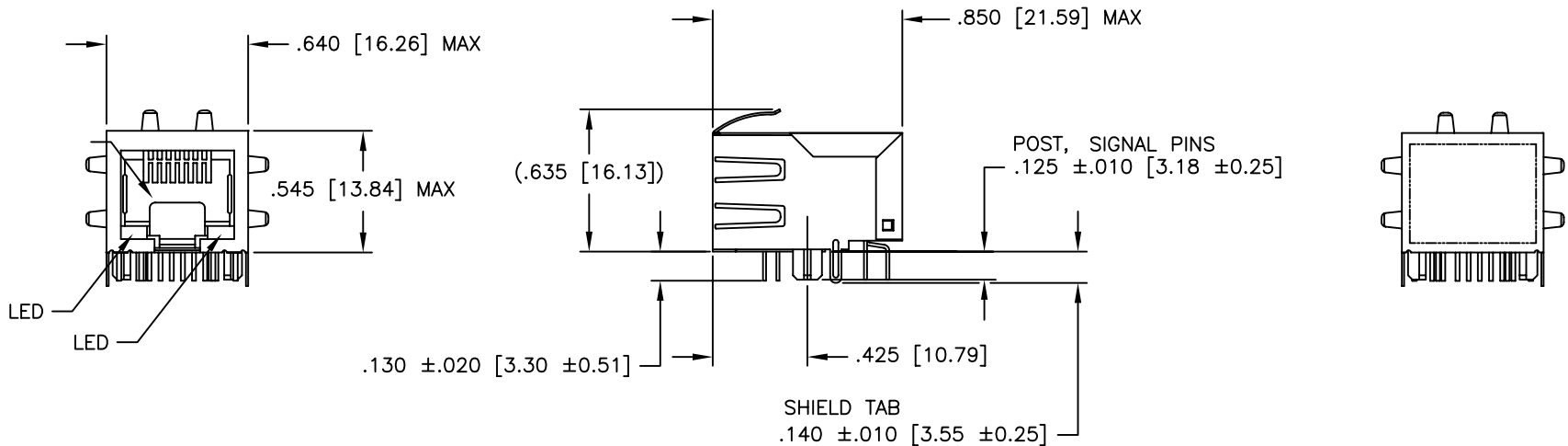
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PULSE CONFIDENTIAL AND PROPRIETARY			
SIZE	CAGE CODE	DWG. NO.	REV.
B	01961	J00-0086NL	M11
SCALE	CADD FILE	SHEET	
NONE	M-J00-0086NL-3	3 OF 5	

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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

PULSE CONFIDENTIAL AND PROPRIETARY			
SIZE	CAGE CODE	DWG. NO.	REV
B	01961	J00-0086NL	M11
SCALE	CADD FILE	M-J00-0086NL-5	SHEET 4 OF 5

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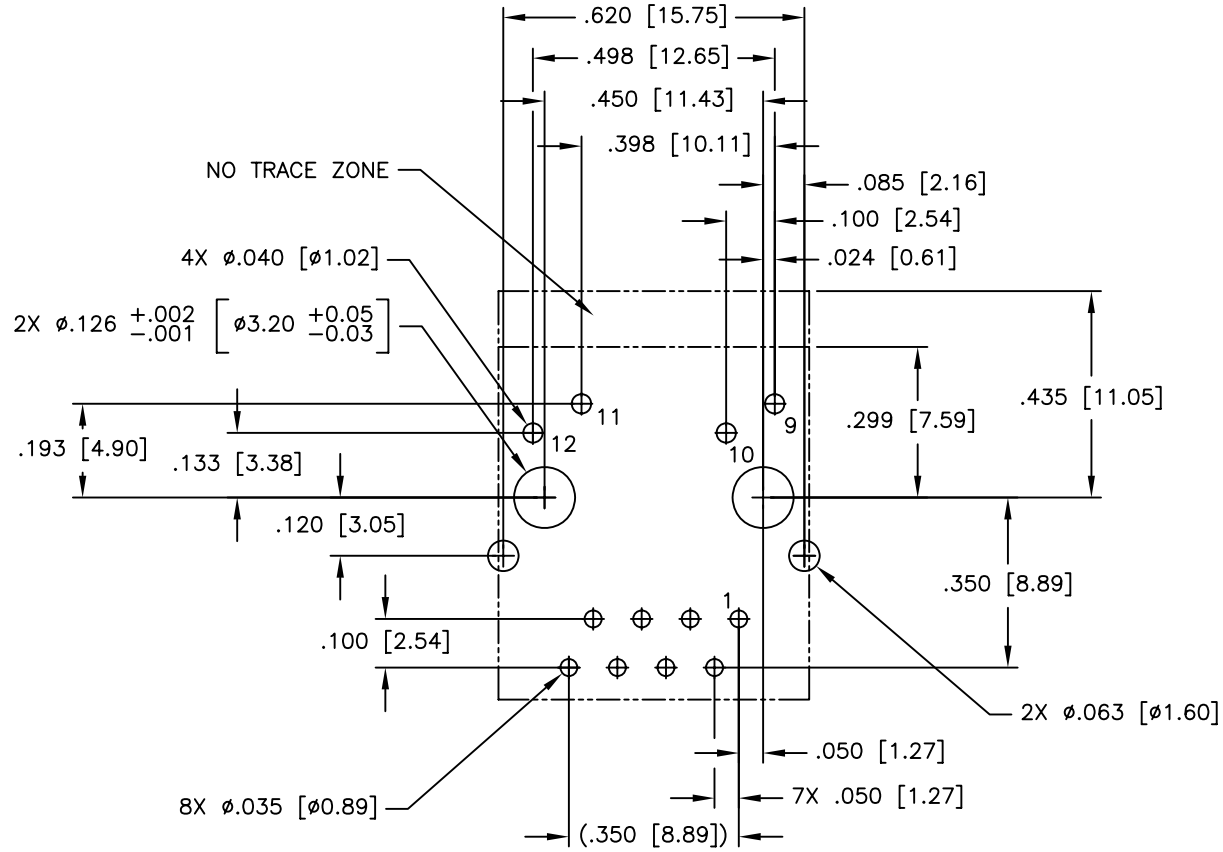
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SUGGESTED PC BOARD LAYOUT VIEWED FROM COMPONENT SIDE  
PCB LAYOUT DIMENSIONS TO BE ±.002 UNLESS OTHERWISE SPECIFIED

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

DECIMALS .XX ±.01 .XXX ±.005 ANGLES ± °

DO NOT SCALE DRAWING

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SIZE	CAGE CODE	DWG. NO.	REV
B	01961	J00-0086NL	M11
SCALE	NONE	CADD FILE	M-J00-0086NL-6
SHEET	5 OF 5		

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