



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: 30-50 MICROINCHES DUCTILE NICKEL.
 6. CONTACTS PLATING: 30 MICROINCHES GOLD PLATING.
 7. SOLDER TAIL PLATING MATERIAL: 200-500 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.

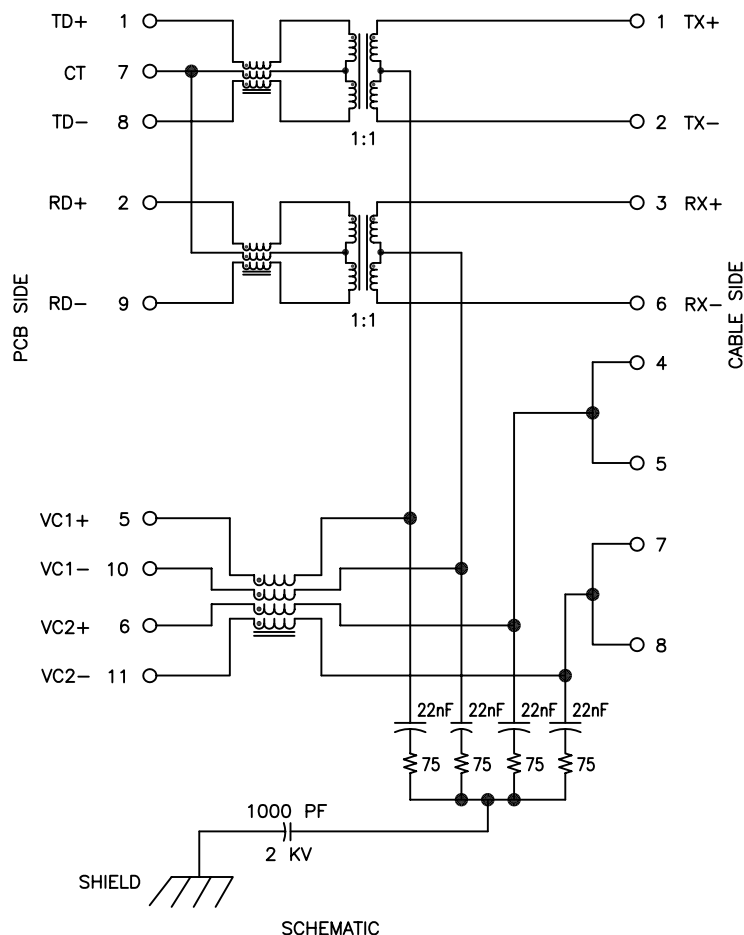
11. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002, IPC/EIA J-STD-003A.

12. OPERATING TEMPERATURE: 0°C TO +70°C

13. STORAGE TEMPERATURE: -20°C TO +125°C

14. JEDEC MOISTURE: LEVEL 1.

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



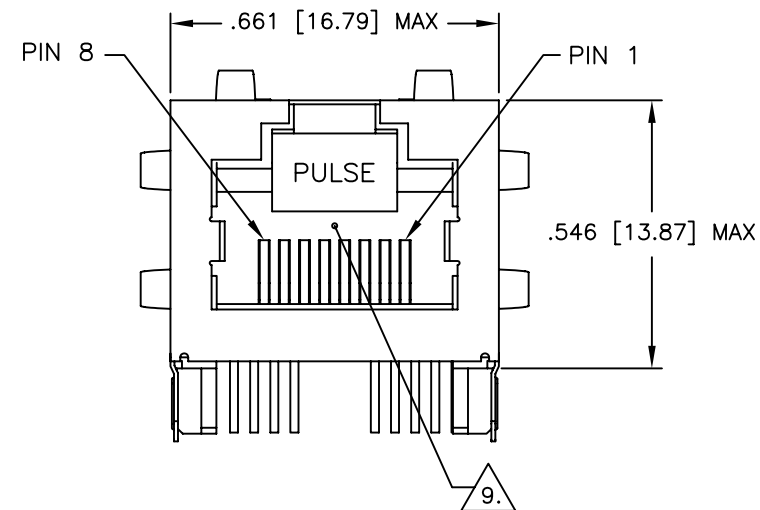
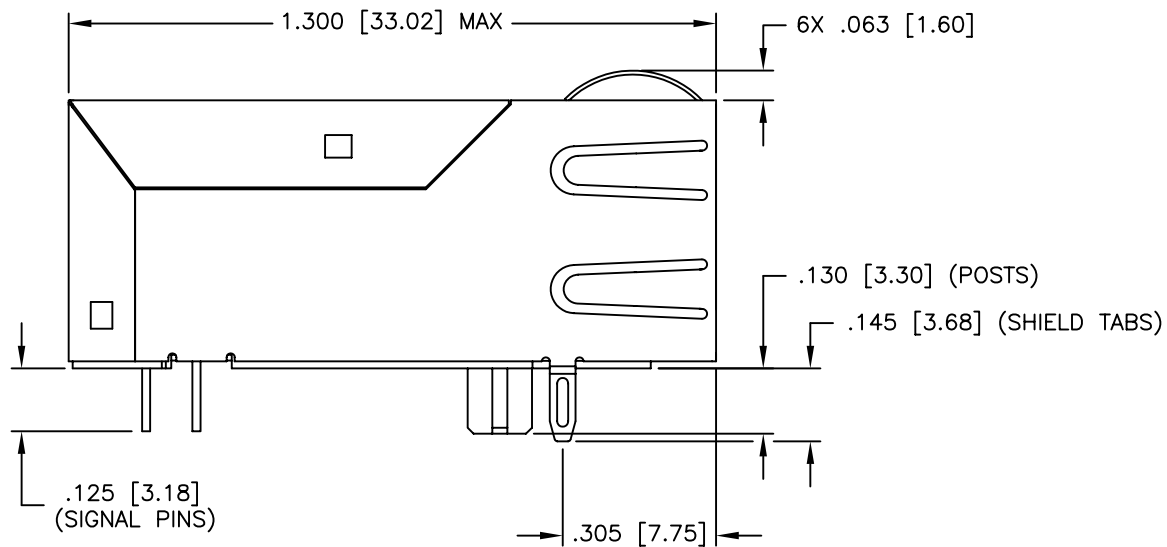
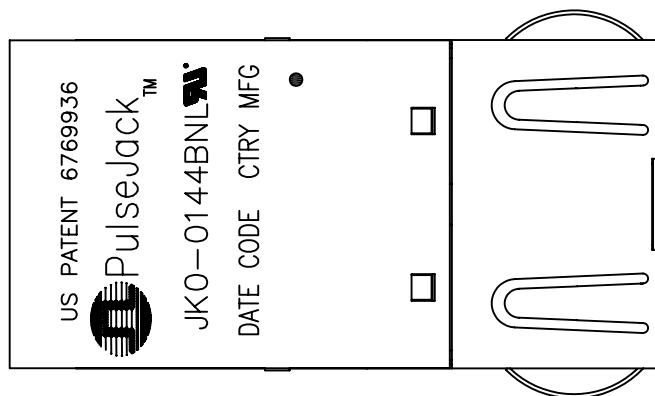
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED
 (FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATION		
OPERATING TEMP	0°C–70°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%)	.1–30 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	–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 MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHz.

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PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	CONN,RJ45,1X1,100P,1:1,TY	PS-2390.012-A	1	JK0-0144BNL	M10



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 PROPRIETARY

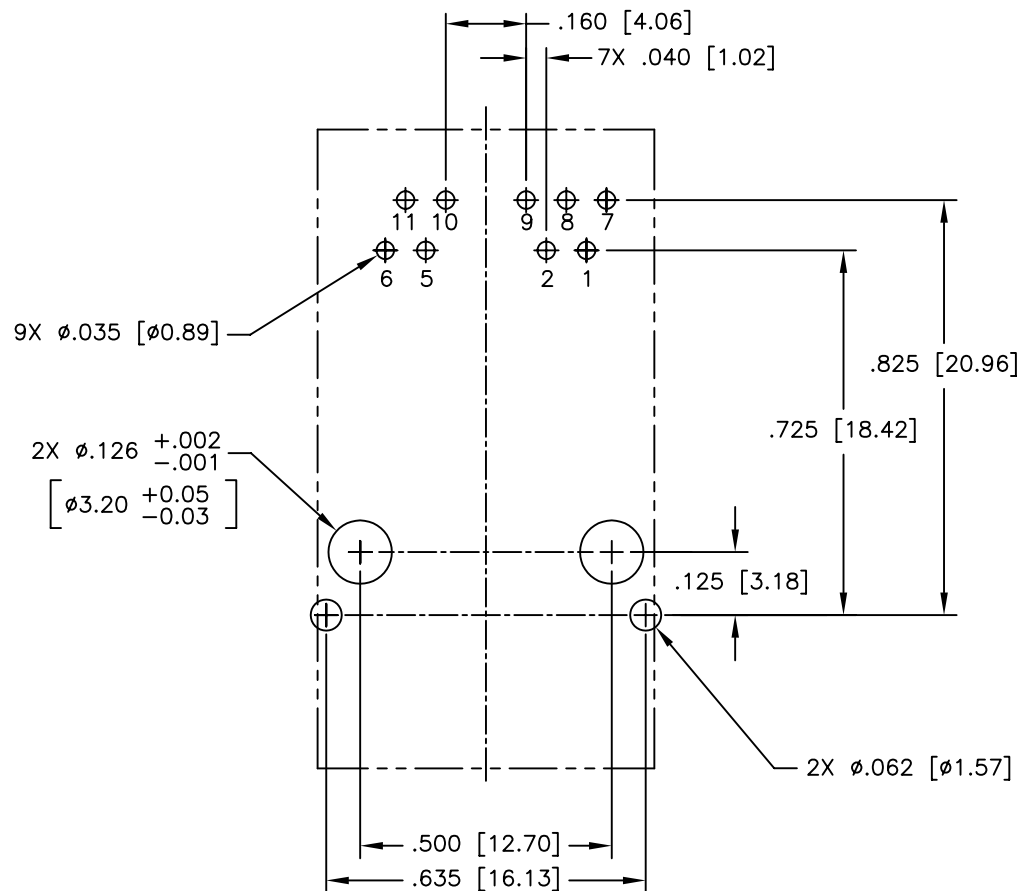
PRODUCT DESCRIPTION
 CONN,RJ45,1X1,100P,1:1,TY

PS DRAWING
 PS-2390.012-A

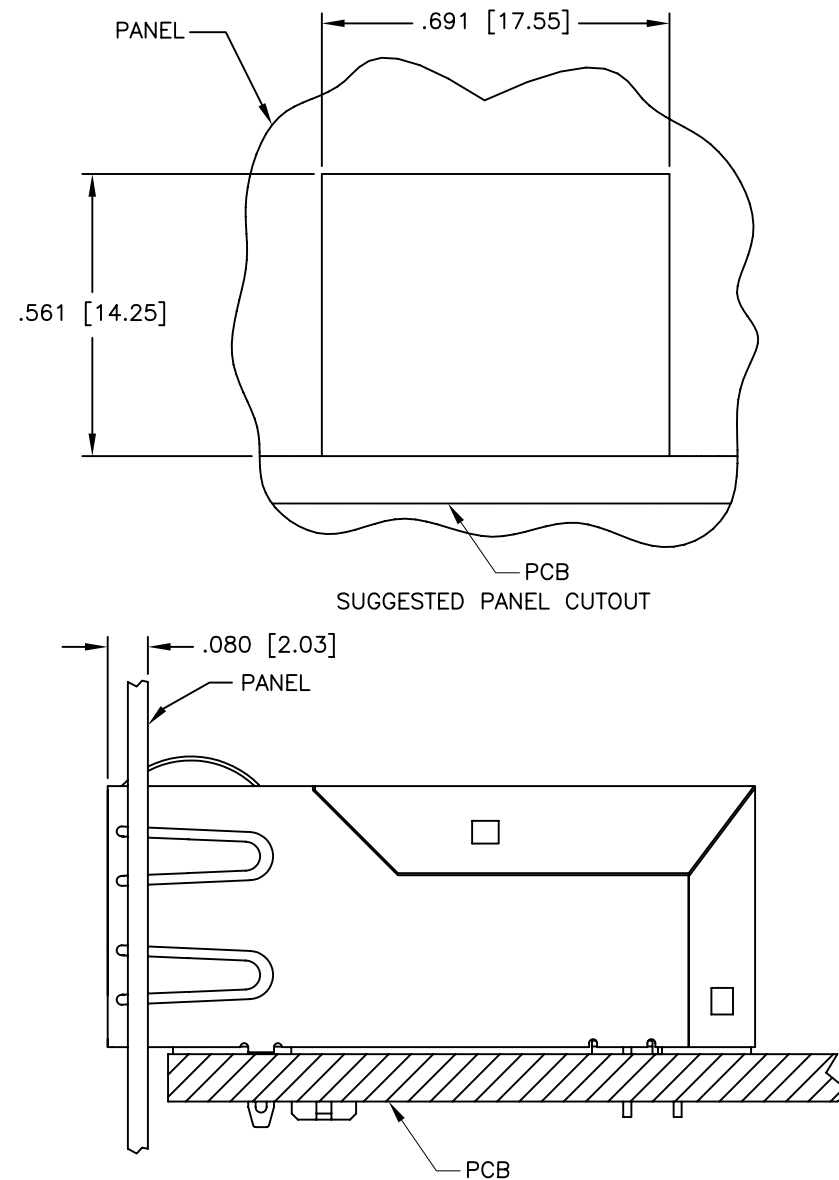
SHEET:
 2

DWG. NO./ PART NO.
 JK0-0144BNL

REV.
 M10



FRONT OF CONNECTOR
 SUGGESTED PCB LAYOUT
 (COMPONENT SIDE SHOWN)
 DIMENSIONAL TOLERANCE:
 .XXX ± 0.003 [X.XX ± 0.08]



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	CONN,RJ45,1X1,100P,1:1,TY	PS-2390.012-A	3	JK0-0144BNL	M10

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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