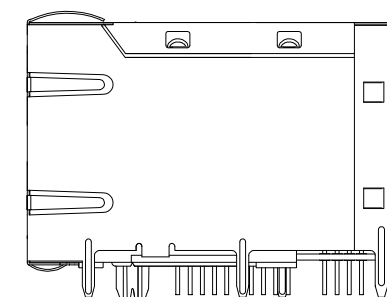
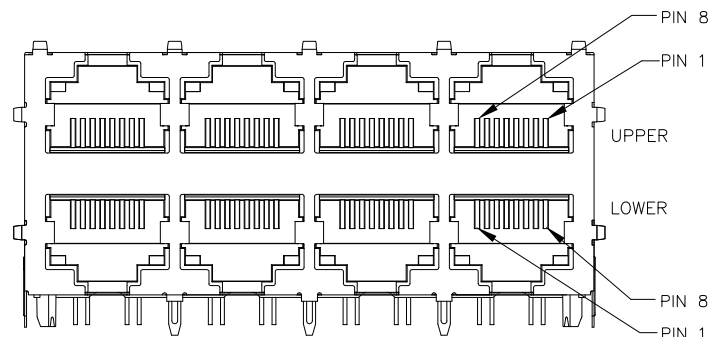
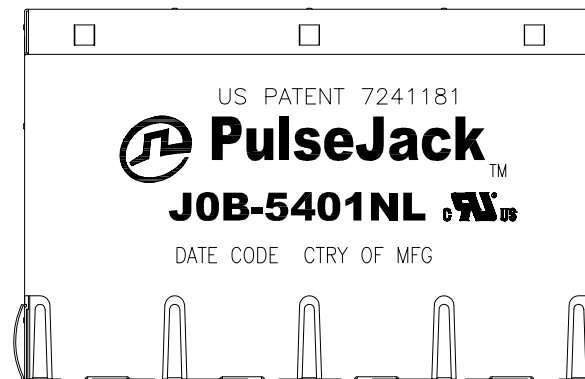


NOTES:

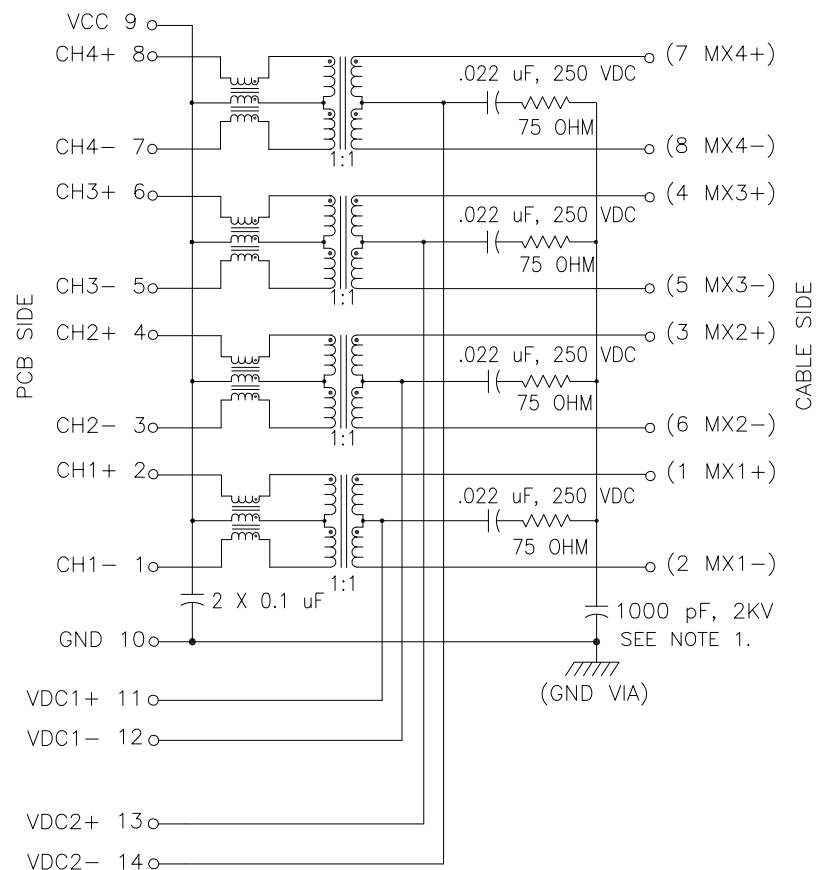
1. ROHS COMPLIANT
2. PLASTIC HOUSING: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. CONTACTS PLATING: 50 μ INCHES GOLD PLATING.
4. CONTACTS BASE MATERIAL: PHOSPHOR BRONZE
5. UNDER PLATING: 50 μ INCHES NICKEL MIN
6. SOLDER TAIL PLATING : 200-500 μ INCHES 100% TIN, MATTE FINISH.
7. METAL SHIELD: STAINLESS STEEL. (FRONT SHIELD)
NICKEL PLATING ON COPPER ALLOY. (REAR SHIELD)
8. JACK CAVITY CONFORMS TO FCC PART 68 SUBPART.
9. PCB PLATING: HASL (TOP PCB), ENIG (BOTTOM PCB)
10. STORAGE TEMPERATURE: -20°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 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: W2, 270°C MAXIMUM THROUGH WAVE SOLDER



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,2X4,5GPP,1:1,TY	J0B-5401NL-P1	PS-2434.261	1 OF 4	J0B-5401NL	C



NOTE 1. HIGH-VOLTAGE CAPACITOR IS COMMON FOR UPPER AND LOWER PORTS.

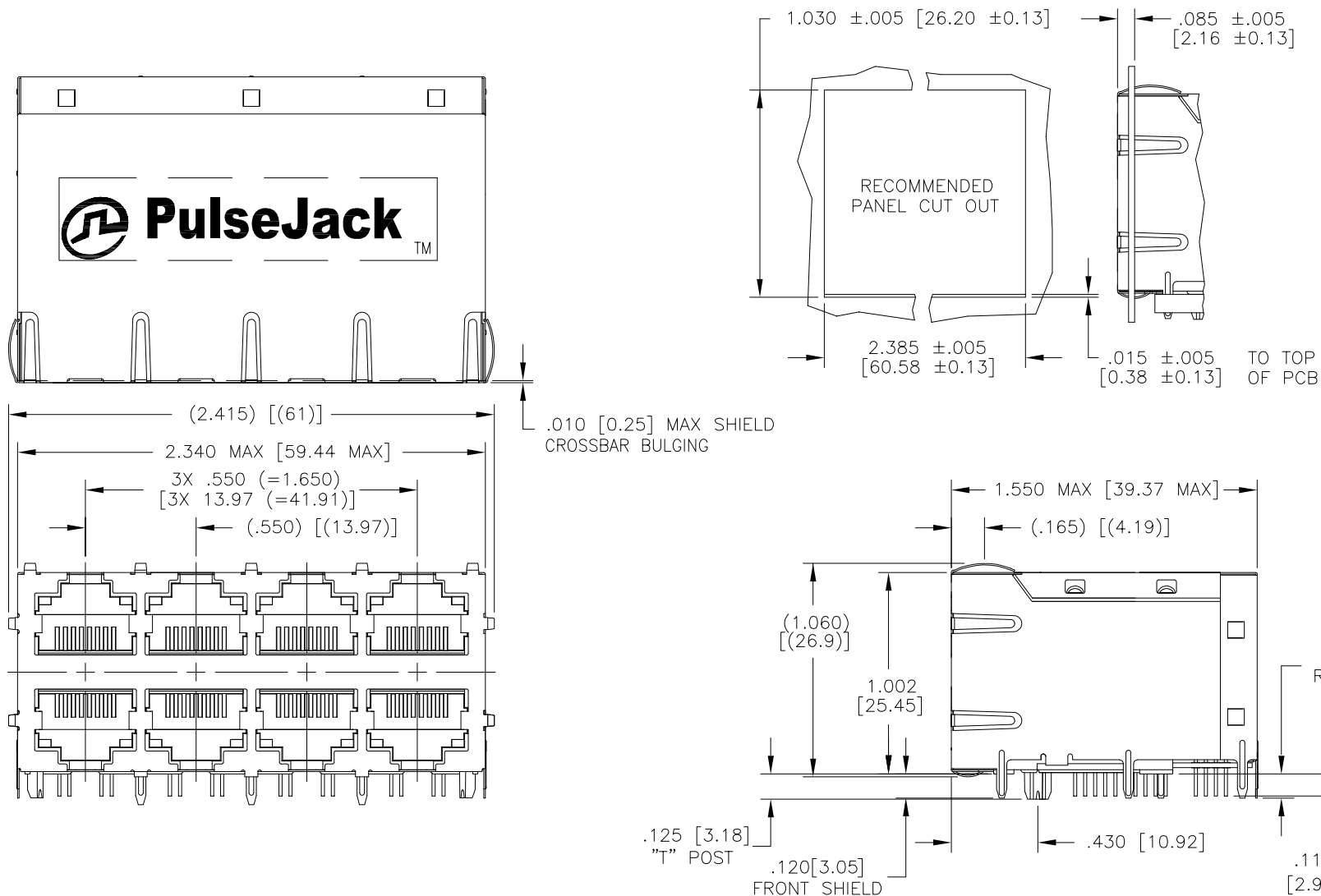
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	0°C TO +70°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (SDD21&SDD12)	1–50 MHz	50–125 MHz	125–250 MHz
	–0.5 dB MAX	–1.0 dB MAX	–1.5 dB MAX
PHY–SIDE RETURN LOSS (SDD11 – Zref = 100 OHMS ± 1%)	1 MHz–40 MHz	40 MHz–250 MHz	
	–20 dB MIN	–20+12.5*LOG ₁₀ (f/40) dB MIN	
LINE–SIDE RETURN LOSS (SDD22 – Zref = 100 OHMS ± 1%)	1 MHz–40 MHz	40 MHz–250 MHz	
	–20 dB MIN	–20+12.5*LOG ₁₀ (f/40) dB MIN	
INDUCTANCE (OCL)	180 uH MIN WITH 0 mA DC BIAS		
	150 uH MIN WITH 10.8 mA DC BIAS		
CROSSTALK, ADJACENT CHANNELS (SDD21 – ADJ.)	1–150 MHz	150–250 MHz	
	–30 dB MIN	–20 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	30 MHz–400 MHz		
	–30 dB MIN		
COMM. TO DIFF. REJECTION RATIO (SDC12)	10 MHz–250 MHz		
	–45+f/35 dB MIN		
DC CURRENT VOLTAGE RATING – PSE PINS	720mA MAX @ 57V (CONTINUOUS)		
PoE RATING	72 Watt		
INPUT – OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.

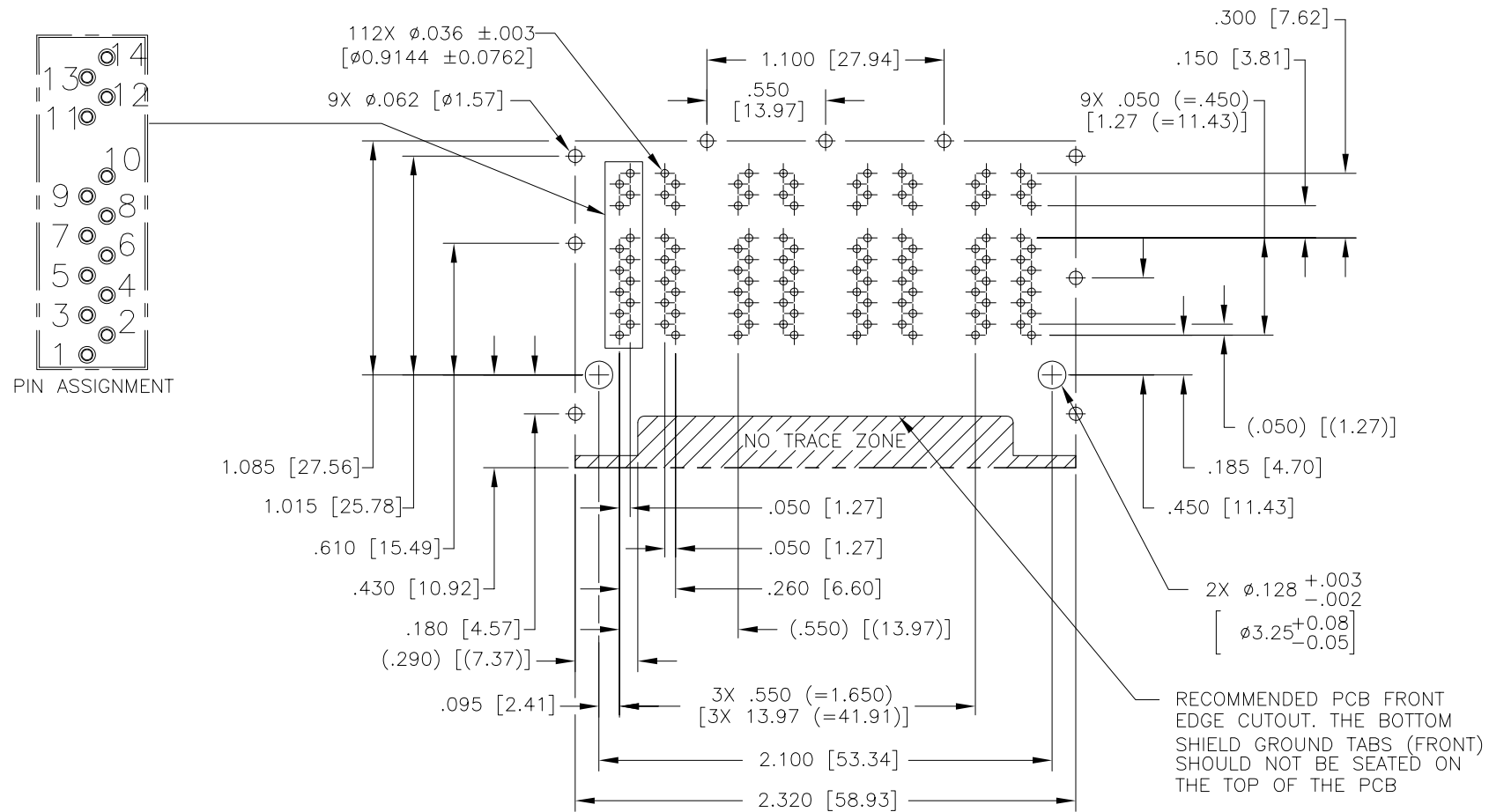
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CONN,RJ45,2X4,5GPP,1:1,TY	JOB-5401NL-P1	PS-2434.261	2 OF 4	JOB-5401NL	C



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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,2X4,5GPP,1:1,TY	J0B-5401NL-P1	PS-2434.261	3 OF 4	J0B-5401NL	C



SUGGESTED PC BOARD LAYOUT VIEWED FROM COMPONENT SIDE
UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCE IS ± 0.002

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.

.XX= ± 0.02 [± 0.5]
.XXX= ± 0.010 [± 0.25]

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CONN,RJ45,2X4,5GPP,1:1,TY	JOB-5401NL-P1	PS-2434.261	4 OF 4	JOB-5401NL	C

Mouser Electronics

Authorized Distributor

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