

PulseJack™

1xN Tab-Down

Description:

100 Base-TX (Fast Ethernet) RJ45 1xN Tab-DOWN with or without LEDs integrated magnetics connector (ICM) designed to support applications such as: SOHO (ADSL modems), LAN-on-Motherboard (LOM), Hub and Switches.



Features and Benefits:

- RoHS peak wave solder temperature rating 260°C
- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP
- Meets IEEE 802.3 specification
- 350µH minimum OCL with 8mA bias current
- High performance for maximum EMI suppression

Electrical Specifications @ 25°C - Operating Temperature 0°C to +70°C

RoHS Compliant Part Number	Turns Ratio		Number of Ports	LEDs ¹ L/D	Insertion Loss TX/RX (dB TYP)	Return Loss (dB TYP) 100Ω (± 15 Ω)				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (VDC MIN)
	TX	RX			1-100 MHz	1-10 MHz	30 MHz	60-80 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-130 MHz	@ 50/60 Hz 1 minute	
J8064D628ANL	1CT:1CT	1CT:1CT	1x2	G/Y	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
JX80-0019NL ²	1CT:1CT	1CT:1CT	1x2	G/G	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
J8064D648ANL	1CT:1CT	1CT:1CT	1x4	G/Y	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
JX80-0022NL ²	1CT:1CT	1CT:1CT	1x4	G/G	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
J8064D668ANL	1CT:1CT	1CT:1CT	1x6	G/Y	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
JX8064D668ANL ²	1CT:1CT	1CT:1CT	1x6	G/Y	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
J8064D688ANL	1CT:1CT	1CT:1CT	1x8	G/Y	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
JX8064D688ANL ²	1CT:1CT	1CT:1CT	1x8	G/Y	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
J8064E62NL	1CT:1CT	1CT:1CT	1x2	None	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
J8064E64NL	1CT:1CT	1CT:1CT	1x4	None	-1.0	-20	-16	-12	-40	-35	-30	-30w	-20	2250	
J8064E66NL	1CT:1CT	1CT:1CT	1x6	None	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	2250	
J8064E68NL	1CT:1CT	1CT:1CT	1x8	None	-1.0	-20	-16	-12	-40	-35	-30	-30	-30	2250	

Notes: 1. LEDs Left/Right: G = green; Y = yellow 2. Operating temperature: -40°C to +85°C

RJ45 Durability Test Rating

Part Number	Mating Force (MAX)	Unmating Force (MAX)	Durability	Plug to Jack Retention (MIN)
J80 Series	5 lbs./2.268 kgs.	5 lbs./2.268 kgs.	750 Insertions	20 lbs./9.072 kgs.

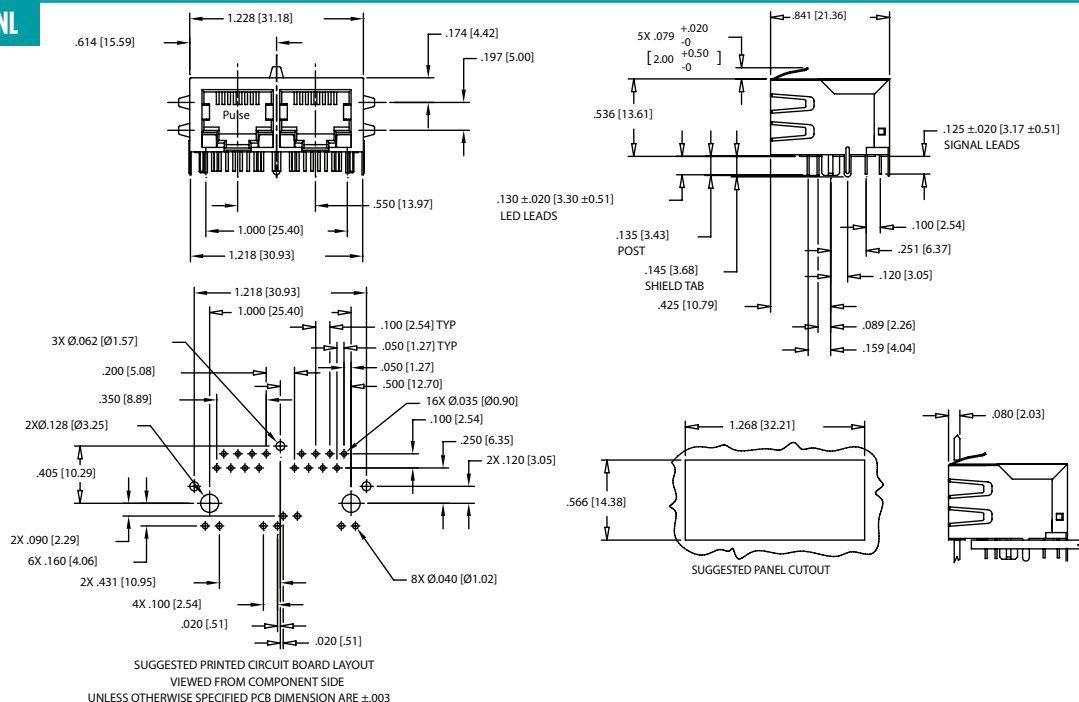
PulseJack™ 1xN Tab-Down

RJ45 Material Specification								
Part Number	Shield		Contact			Housing		
	Material	Finish	Material	Plating Area	Solder Area	Material	Specification	MSL ²
J80 Series	Brass	10-20μ inches thick Nickel over 10-20μ inches thick nickel	Phosphor Bronze	Nickel underplating and selective gold plating 30μ inches	Tin matte finish	Thermoplastic	UL 94 V-0	1

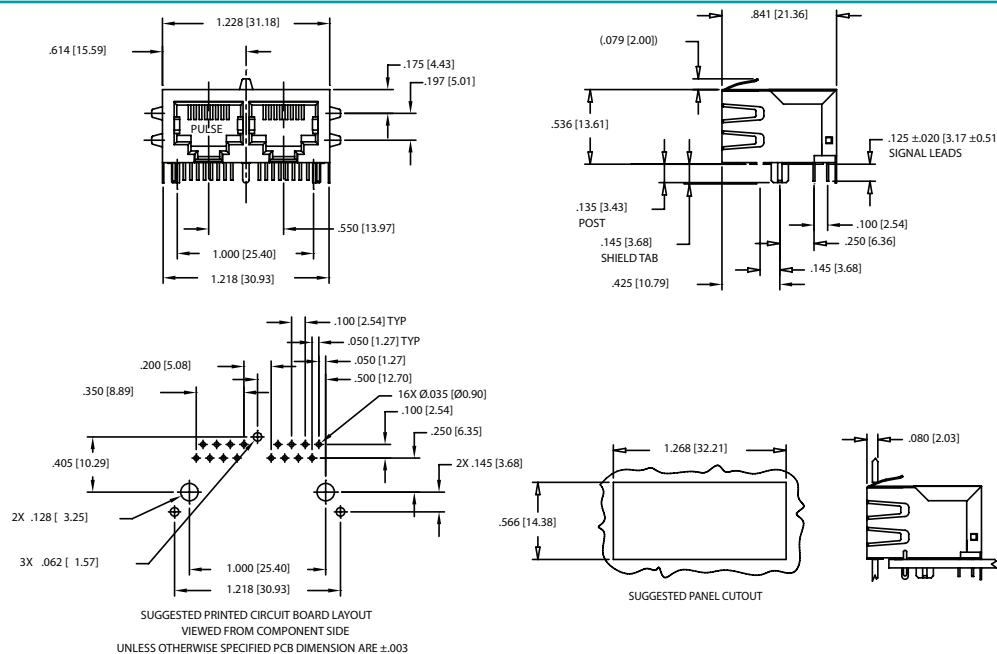
Notes: 1. **Connector** dimensions comply with FCC dimension requirements 2. **MSL** = Moisture Sensitivity Level rating from 1 to 5 (highest rating = 1, lowest rating = 5).

Mechanicals

J8064D628ANL, JX80-0019NL



J8064E62NL

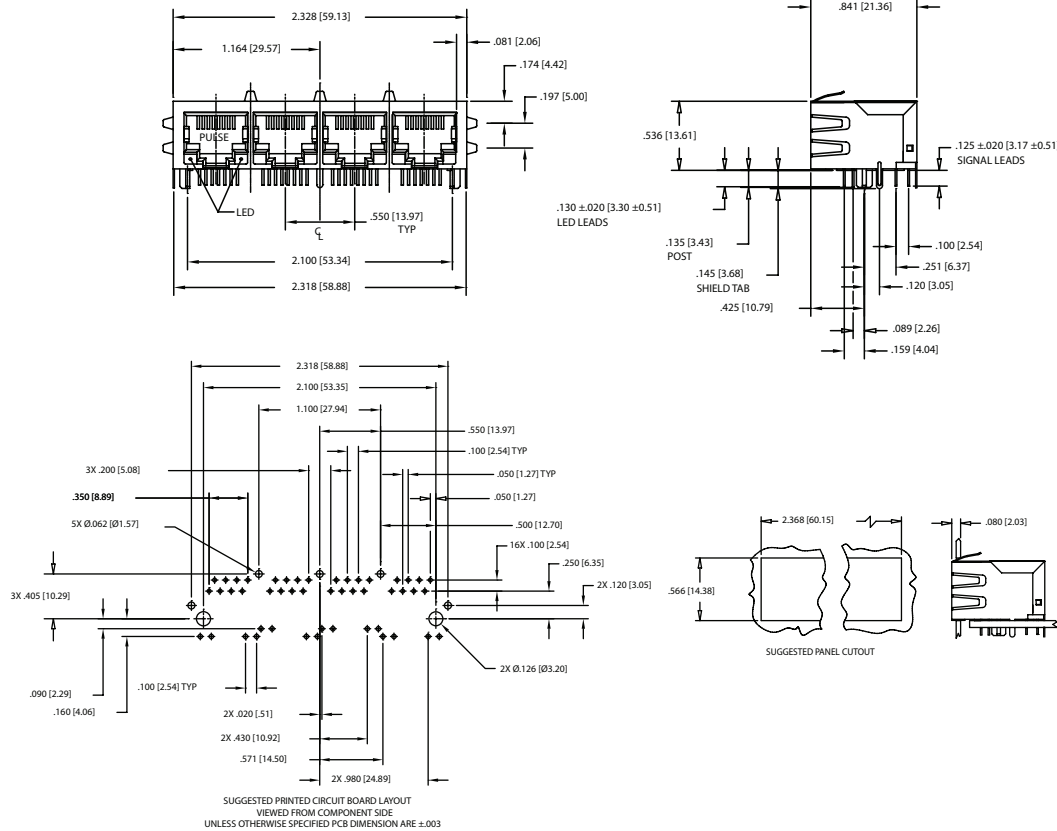


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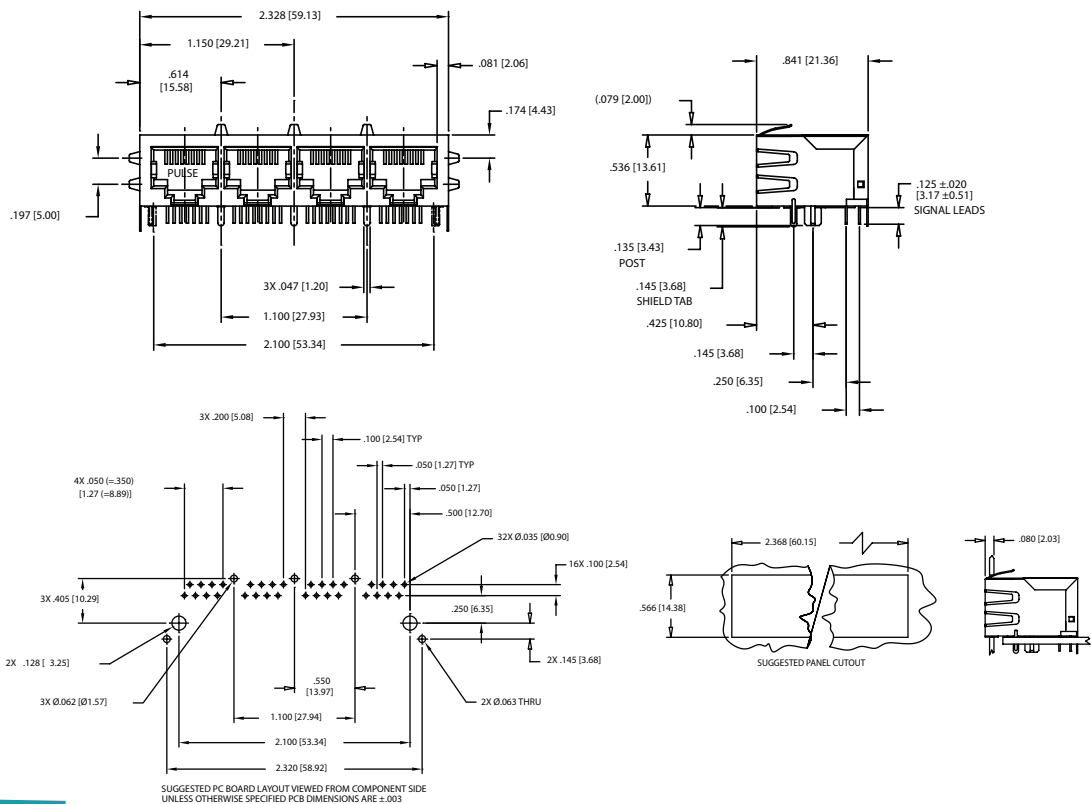
1xN Tab-Down

Mechanicals

J8064D648ANL
JX80-0022NL



J8064E64NL

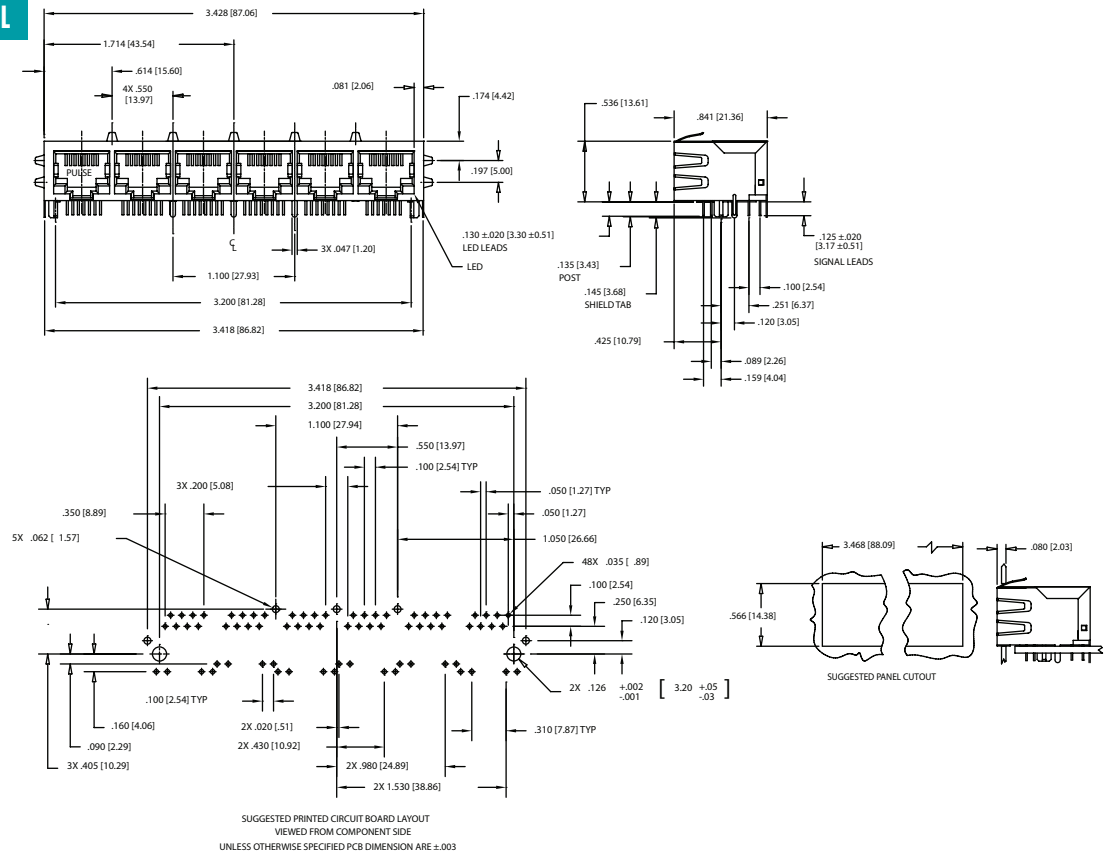


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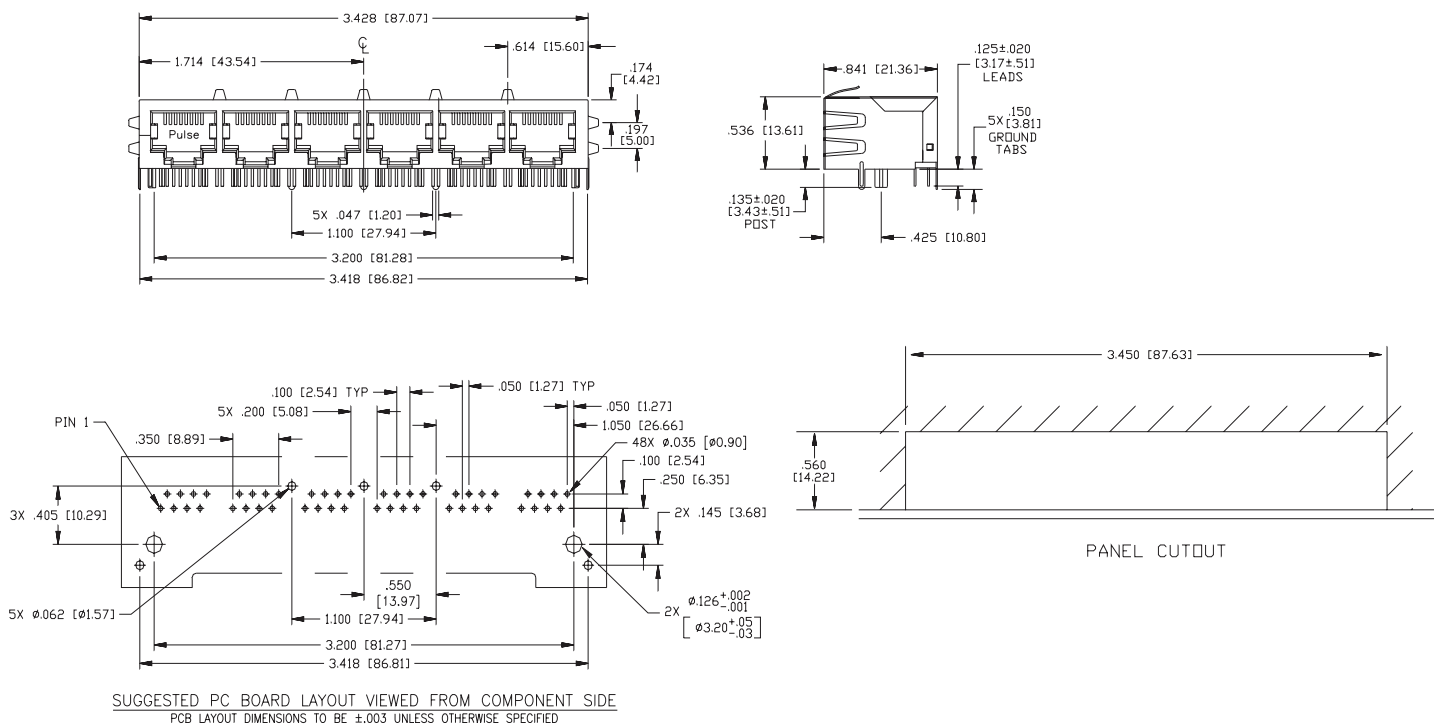
1xN Tab-Down

Mechanicals

J8064D668ANL, JX8064D668ANL



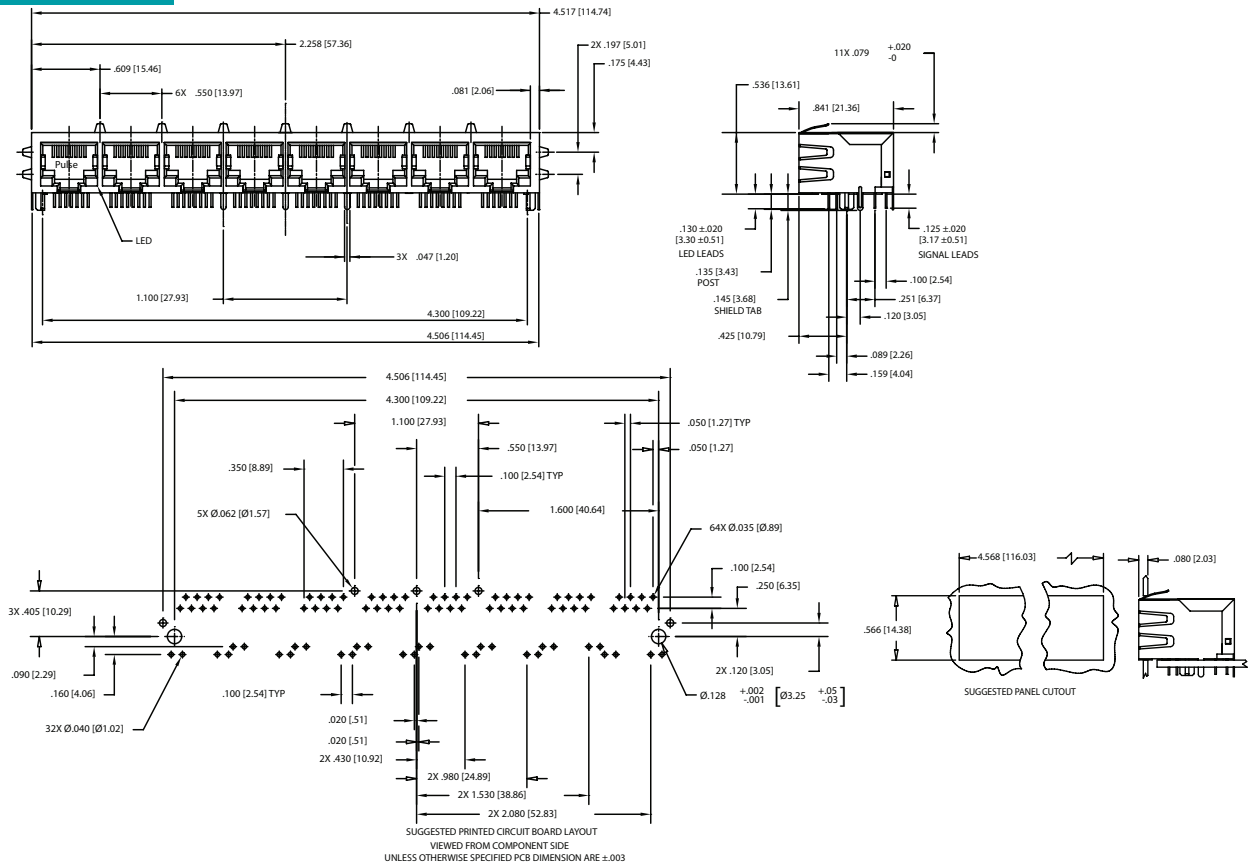
J8064E66NL



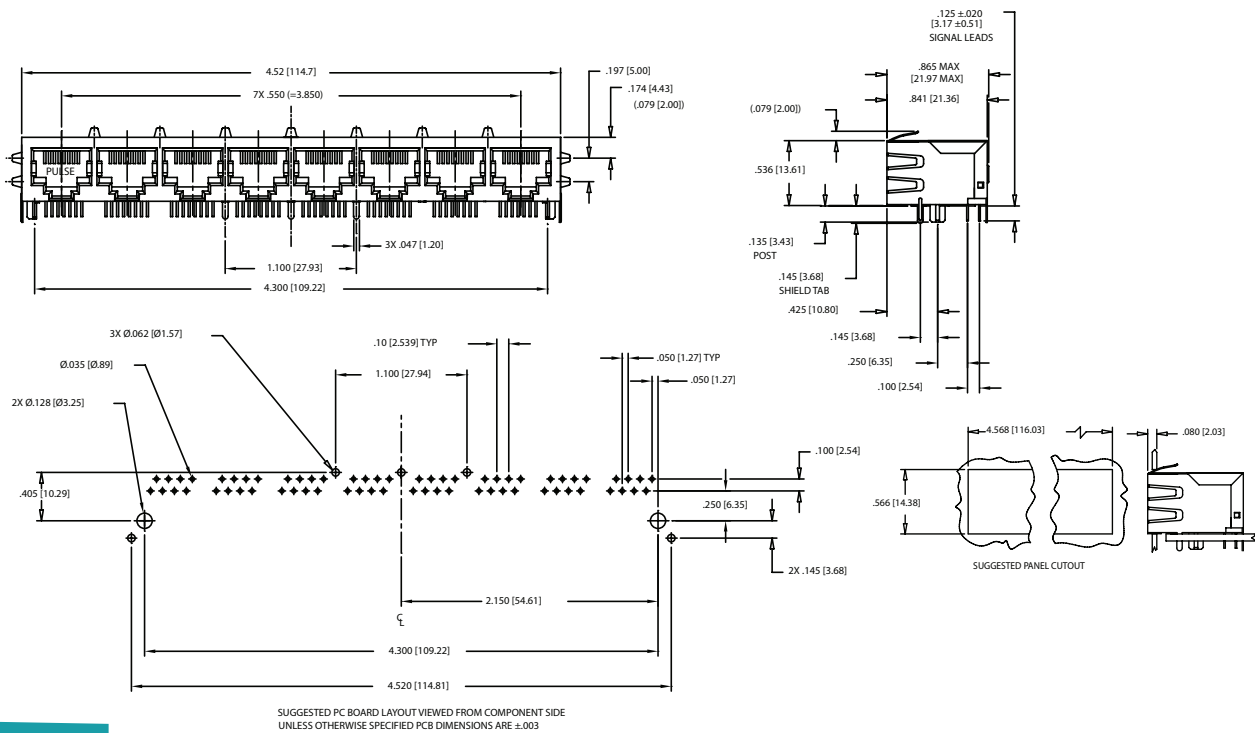
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Mechanicals

J8064D688ANL, JX8064D688ANL



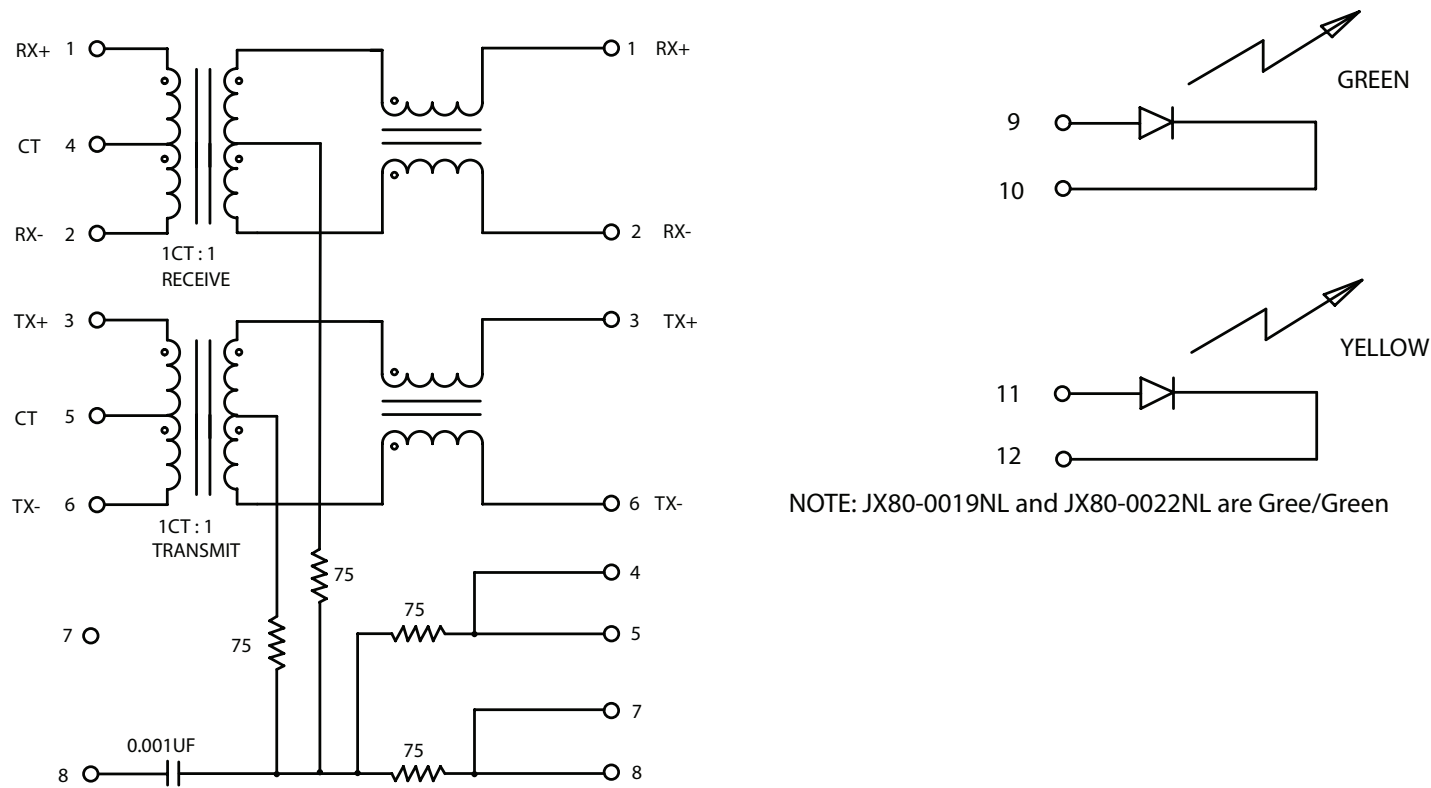
J8064E68NL



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Schematic for J8 and JX8 Series



Configuration	1x2	1X4	1X6	1X8
Part Number	J8064D628ANL J8064E62NL	J8064D648ANL J8064E64NL	J8064D668ANL J8064E66NL	J8064D688ANL J8064E68NL
Weight	10.9 grams	21.8 grams	32.7 grams	43.6 grams
Tray	45/Tray	15/Tray	15/Tray	10/Tray

Mouser Electronics

Authorized Distributor

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Pulse:

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