

PULSEJACK™

1XN GangjackL



Description:

10/100 Base-TX 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:

- ➊ RJ45 1xN, Tab-DOWN 8-pin with internal magnetics
- ➋ Options: 1x2, 1x4, 1x6, and 1x8 for 10/100 Base-TX
- ➌ Available with and without LEDs
- ➍ Suitable for CAT 5 and 6 Fast Ethernet cable or better UTP
- ➎ Internal magnetics are 100% electrically tested for HI-POT and functionality

Electrical Performance Summary:

- ➊ Internal magnetics options available
- ➋ Meets or exceeds IEEE 802.3ab standards for 1000Base-T
- ➌ 350 μ H minimum OCL with 8 mA bias current
- ➍ High performance for maximum EMI suppression
- ➎ Minimum 1500 Vrms isolation per IEEE 802.3 requirement



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

Part Number* (Number of Ports)	Turns ^{1,2} Ratios		Tab Option	LEDs ³ L/R	Insertion Loss TX/RX (dB TYP)	Return Loss (dB TYP) 100 Ω ($\pm 15 \Omega$)				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (MIN)
	TX	RX				1-100 MHz	1-10 MHz	30 MHz	60-80 MHz	1-10 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-130 MHz	
J8064D628A (1X2)	1CT:1CT	1CT:1CT	DOWN	G/Y	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms
J8064D648A (1X4)	1CT:1CT	1CT:1CT	DOWN	G/Y	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms
J8064D668A (1X6)	1CT:1CT	1CT:1CT	DOWN	G/Y	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms
J8064D688A (1X8)	1CT:1CT	1CT:1CT	DOWN	G/Y	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms
J8064E62 (1X2)	1CT:1CT	1CT:1CT	DOWN	—	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms
J8064E64 (1X4)	1CT:1CT	1CT:1CT	DOWN	—	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms
J8064E66 (1X6)	1CT:1CT	1CT:1CT	DOWN	—	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms
J8064E68 (1X8)	1CT:1CT	1CT:1CT	DOWN	—	-1.0	-1.0	-20	-16	-12	-40	-35	-30	-30	-20	1500 Vrms

NOTES:

- Both transmit and receive channels meet IEEE 802.3 specifications.
- Different electrical and mechanical specifications can be accommodated. Contact Pulse Applications Engineering.
- LEDs Left/Right: G = green; Y = yellow; "—" = none. Other LED options by request.

RJ45 Durability Testing Rating

Part Number	Mating Force (MAX)	Unmating Force (MAX)	Durability	Plug to Jack Retention (MIN)
J8 Series	5 lbs./2.268 kgs.	5 lbs./2.268 kgs.	750 Insertions	20 lbs./9.072 kgs.

RJ45 Material Specification

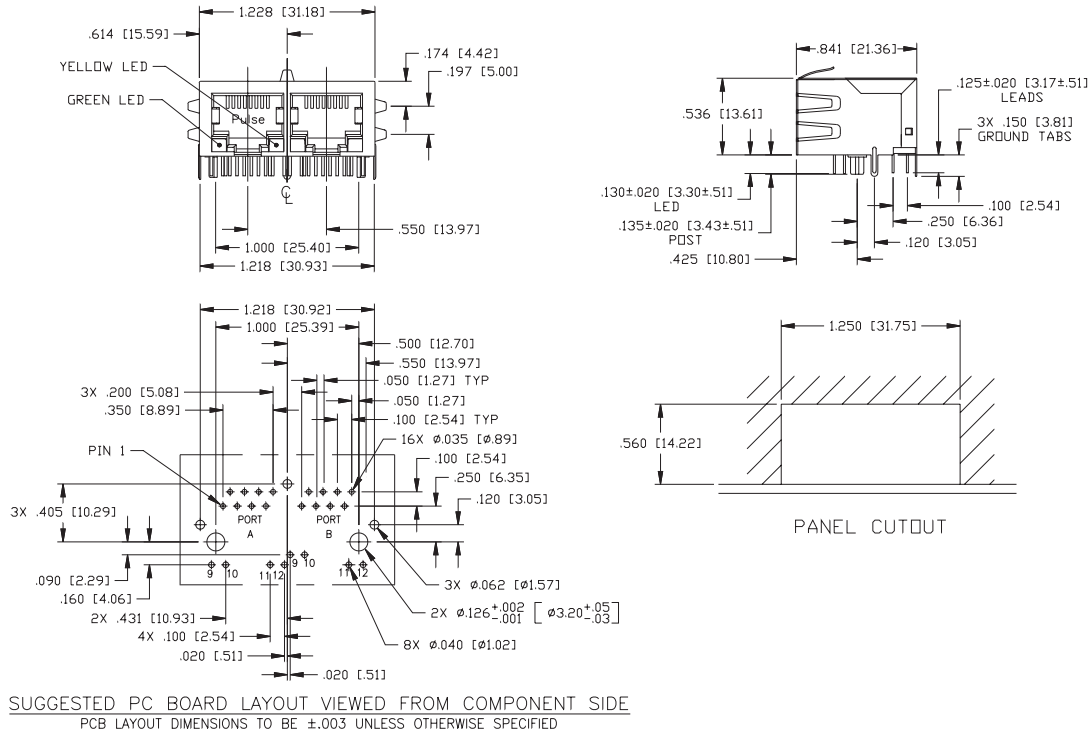
Part Number	Shield		Contact			Housing	
	Material	Finish	Material	Plating Area	Solder Area	Material	Specification
J8 Series	Brass	10-20 μ inches thick nickel over 10-20 μ inches thick nickel	Phosphor Bronze	30 μ inches gold over 30-80 μ inches nickel	75-300 μ inches tin-lead over 30-80 μ inches bright nickel	Thermoplastic	UL 94 V-0

Notes:

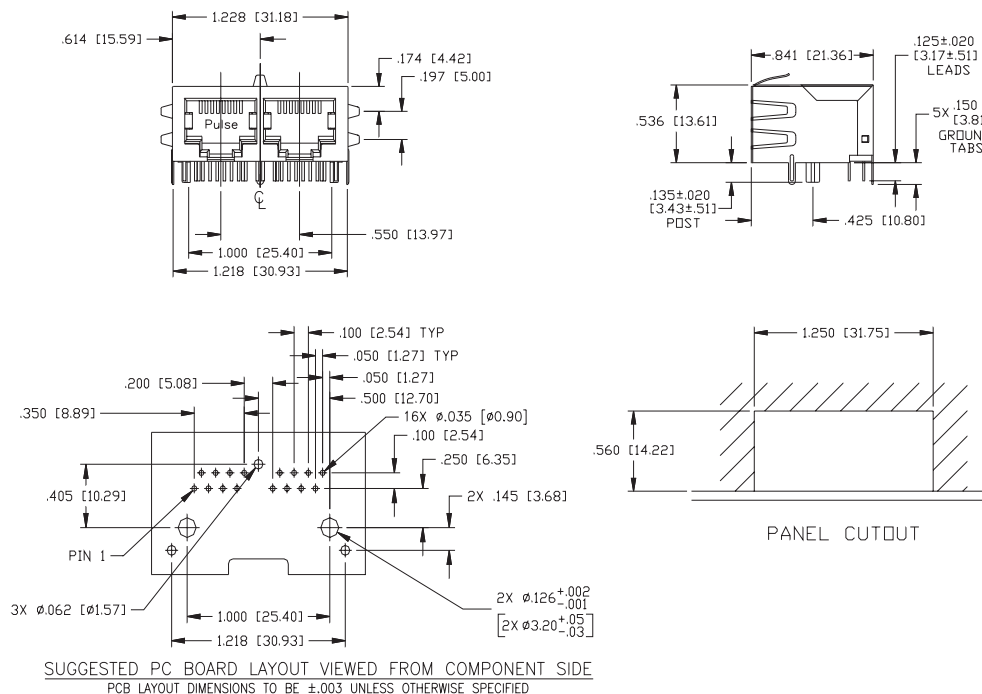
- All connector part numbers starting with the series prefix J8 comply to the above limits.
- Connector dimensions comply with FCC dimension requirements.

Mechanicals

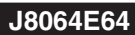
J8064D628A



J8064E62

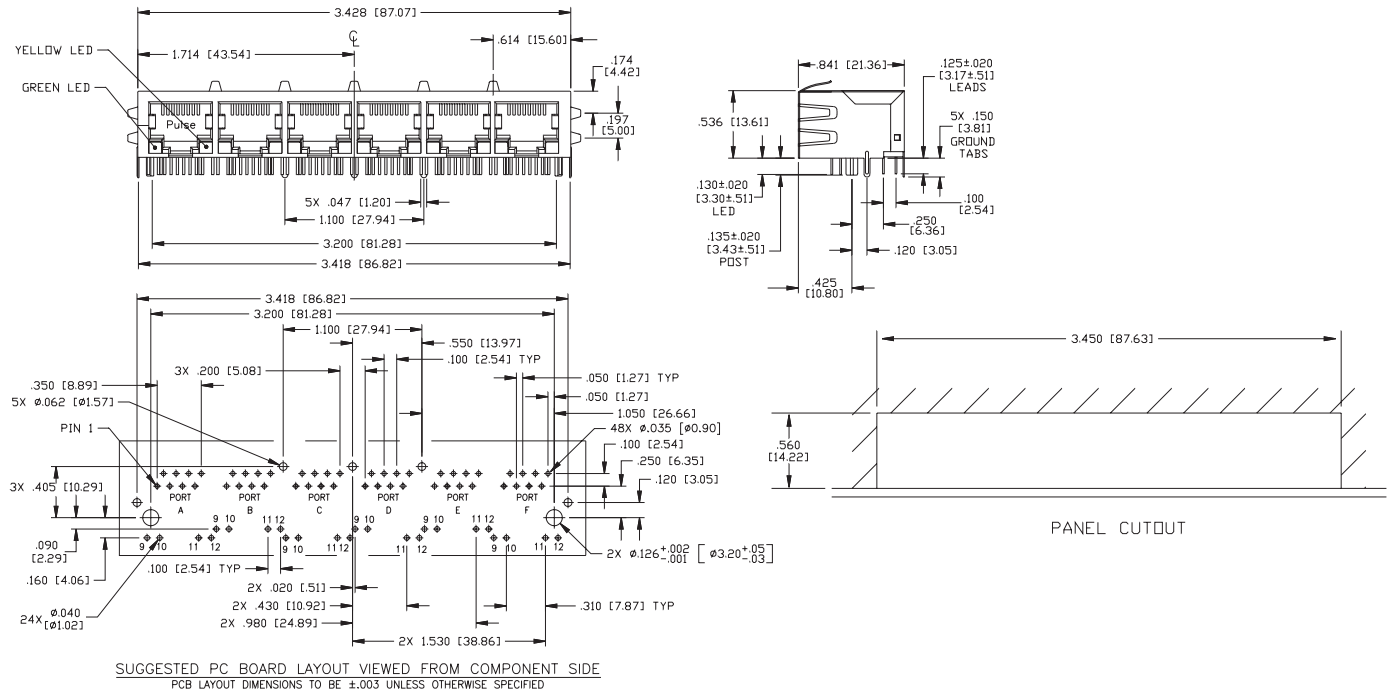


J8064D648A

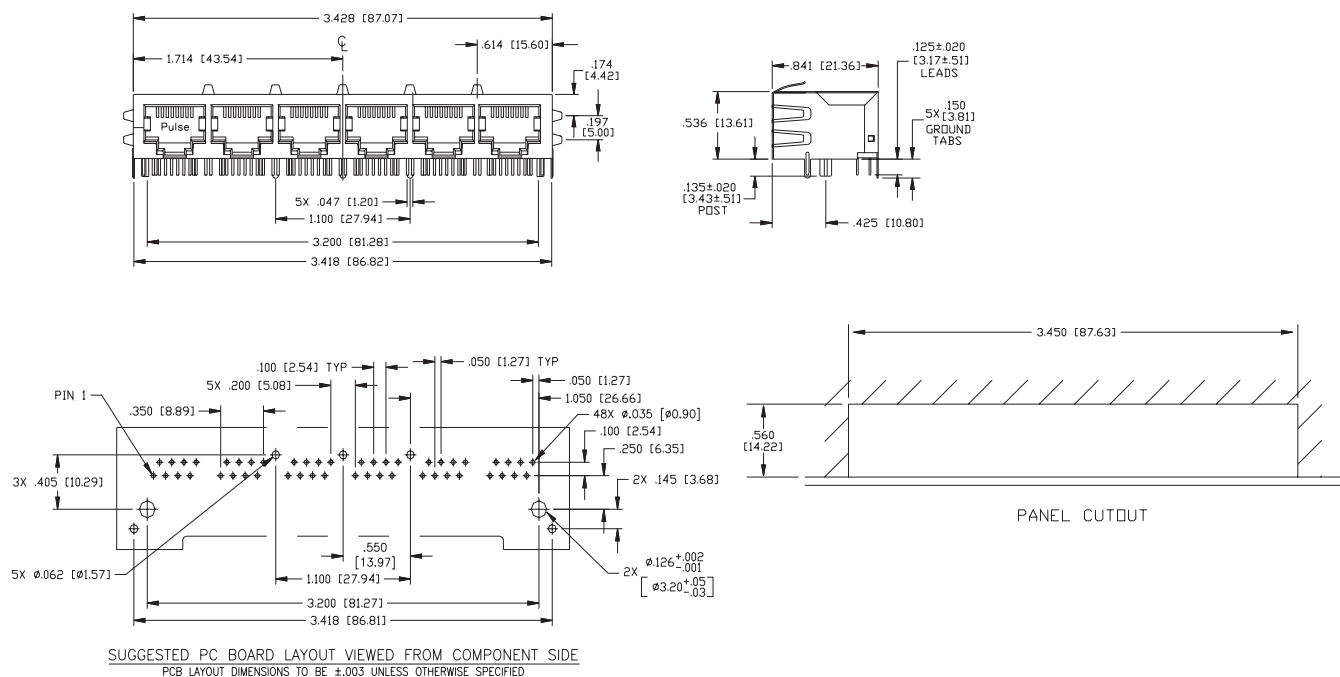


Mechanicals

J8064D668A



J8064E66

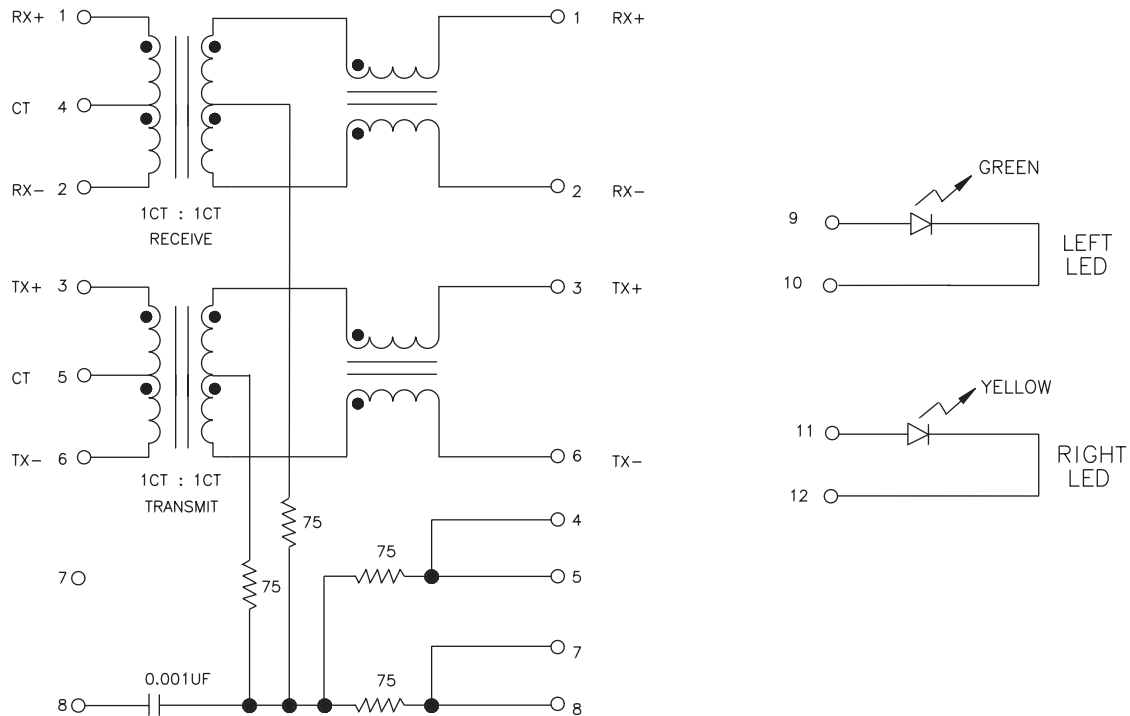


J8064D688A



Schematic for J8 Series

J8064D6X8A/J8064E6X (where X = 2, 4, 6 or 8)



	1X2	1X4	1X6	1X8
	J8064D628A	J8064D648A	J8064D668A	J8064D688A
	J8064E62	J8064E64	J8064E66	J8064E68
Weight	10.9 grams	21.8 grams	32.7 grams	43.6 grams
Tray	10 /tray	10 /tray	10 /tray	10 /tray

For More Information :

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