PulseJack™ 1X1 Tab-Down 10GBase-T RJ45

Designed to Support 10GBASE-T Transceivers





Features and Benefits:

Compliant with IEEE 802.3 standard

Qualified with top 10Gig PHY Manufacturers

RoHS peak wave solder temperature rating 260°C

- 💶 Low profile package for PCI Express
- Fine-tune magnetics to specific PHY vendors

Electrical Specifications @ 25°C – Operating Temperature 0°C to 70°C											
RoHS Compliant			Insertion Loss (dB or better)		Return Loss (dB or better)		Common to Differential Mode Rejection (dB or better)		Cross Talk (dB or better)		Hipot
Part	Channel										(Vrms MIN)
Number	Option	(L/R)	100 KHz	1-400 MHz	1-40 MHz	40-500 MHz	1-250 MHz	250-500 MHz	1-100 MHz	100-500 MHz	
JT4-1108HL	5	G-Y/G	3.0	-2.0dB MAX (-1.4 dB TYP)	-22	-22 +18.27*LOG(f/100)	-30	-22	-30	-20	1500
JT4-1109HL	5	G-A/G	3.0	-2.0dB MAX (-1.4 dB TYP)	-22	-22 +18.27*LOG(f/100)	-30	-22	-30	-20	1500
JT4-1120HL	4	G-Y/G	3.0	-2.0dB MAX (-1.4 dB TYP)	-22	-17 +18.27*LOG(f/100)	-30	-22	-30	-20	1500

Notes:

1. LEDs: (Left/Right) G = green, Y = yellow, A = amber

RJ45 Durability Testing Rating							
Part Number	Mating Force (MAX)	Unmating Force (MAX)	Durability	Plug to Jack Retention (MIN)			
JT4 Series	5 lbs./2.268 kgs.	5 lbs./2.268 kgs.	750 Insertions	20lbs./9.072 kgs.			

RJ45 Material Specification								
		Shield		Contac	Housing			
Part					-			MSL ²
Number	Material	Finish	Material	Plating Area	Solder Area ³	Material	Specification	Rating
JT4 Series		50-200 μ inches thick nickel	Phosphor	50 μ inches gold over	200-500 μ inches tin			
714 201102	Brass	over brass	Bronze	30-50 μ inches nickel	over 50-100 μ inches nickel	Thermoplastic	UL 94 V-0	1

Notes:

1. Connector dimensions comply with FCC dimension requirements.

2. MSL - Moisture Sensitivity Level

3. All parts are tin matte finish over nickel.

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

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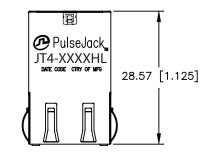
PulseJack™ 1X1 Tab-Down 10GBase-T RJ45

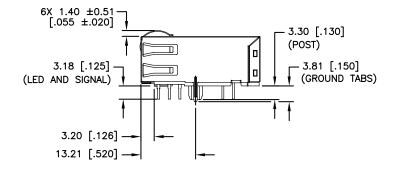
Designed to Support 10GBASE-T Transceivers

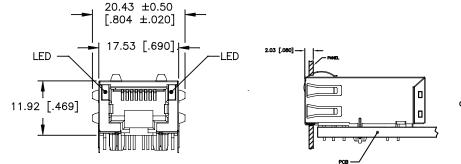


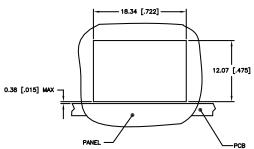
Mechanicals

JT4-1108HL, JT4-1109HL, JT4-1120HL









SUGGESTED PANEL CUTOUT

6X 1.02 [.040] 9X 2.03 [.060]

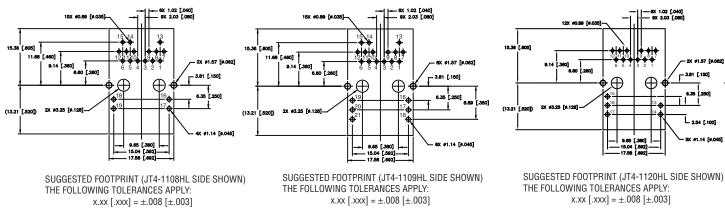
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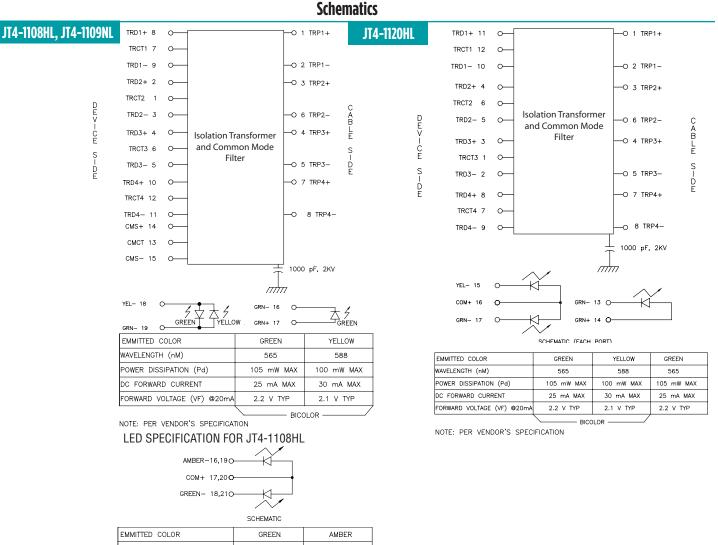
JT4-1109HL

JT4-1120HL

JT4-1108HL

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EMMITTED COLOR	GREEN	AMBER			
WAVELENGTH (nM)	570	607			
POWER DISSIPATION (Pd)	105 mW MAX	105 mW MAX			
DC FORWARD CURRENT	25 mA MAX	30 mA MAX			
FORWARD VOLTAGE (VF) @20mA	2.2 V TYP	2.1 V TYP			
	BICOLOR				

NOTE: PER VENDOR'S SPECIFICATION

LED SPECIFICATION FOR JT4-1109HL

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