imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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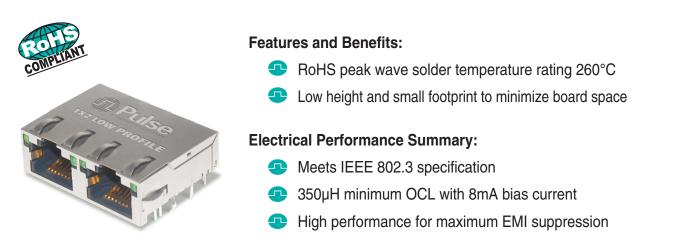


PULSEJACKTM Low Profile 1x2 Gigabit Tab-Up



Description:

Gigabit (10/100/1000Base-T) dual port RJ45 (1x2) Tab-UP integrated magnetics connector, designed to support applications, such as Servers, PCI-Express, and Switches.



Electrical Specifications @ 25°C — Operating Temperature 0°C to +70°C													
Part Number	LEDs ¹	Speed	EMI Tabs	Insertion Loss TX/RX (dB)	ss (dB TYP) RX 1000 (+150)		Crosstalk (dB TYP)		Common Mode Rejection (dB TYP)	Hipot (MIN)			
				1-100 MHz	1-10 MHz	30 MHz	60-80 MHz	80-100 MHz	1-10 MHz	32-65 MHz	65-100 MHz	1-125 MHz	@60Hz 1 MIN
JGL-0001NL	G/G	10/100/1000BT	Yes	-1.2	-18	-18	-12	-10	-40	-35	-30	-30	1500Vrms
JGL-0004NL	G/G-A	10/100/1000BT	Yes	-1.0	-18	-18	-12	-10	-40	-35	-30	-30	1500Vrms

Notes: 1. LEDs Left/Right: G = green, G-A = green-amber

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

RJ45 Material Specification									
Part		Shield		Contact	Housing		MSL ²		
Number	Material	Finish	Material	Plating Area	Solder Area	Material	Specification	Rating	
JGL Series	Brass	30-50µ inches thick nickel over brass	Phosphor Bronze	50µ inches gold over 50µ inches nickel	Tin matte finish over nickel	Thermoplastic	UL 94 V-0	1	

Notes: 1. Connector dimensions comply with FCC dimension requirements.

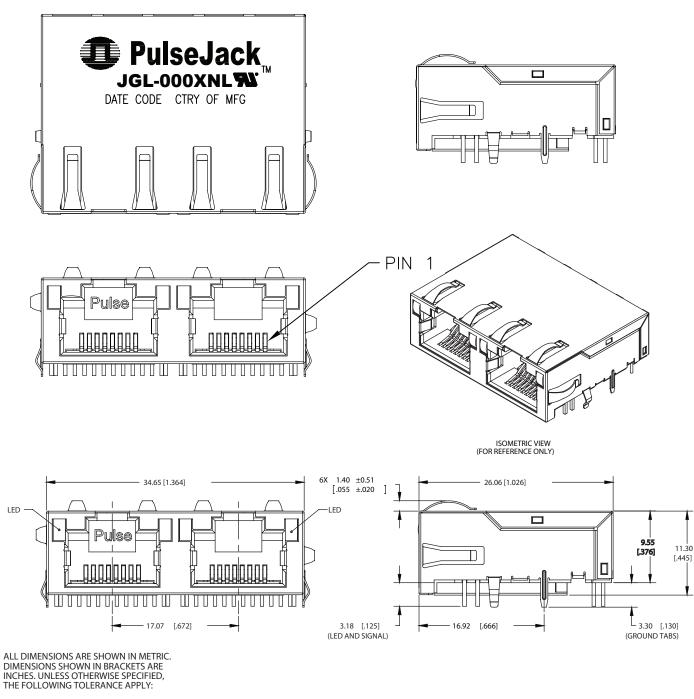
2. MSL - Moisture Sensitivity Level

PULSEJACKTM Low Profile 1x2 Gigabit Tab-Up



Mechanicals

JGL-0001NL/-0004NL

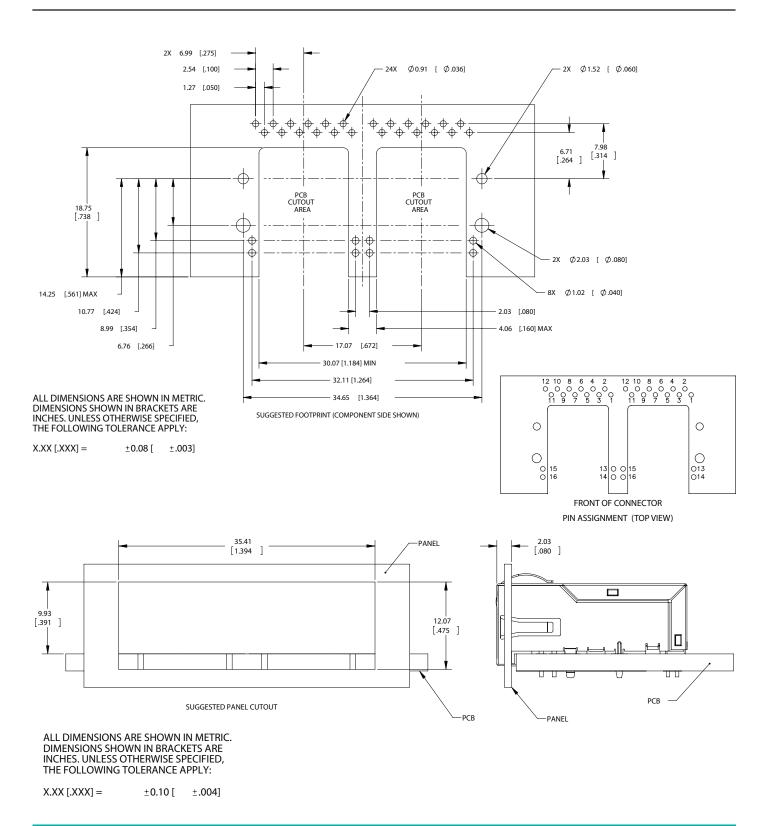


 $X.XX [.XXX] = \pm 0.25 [\pm .010]$

PULSEJACKTM Low Profile 1x2 Gigabit Tab-Up



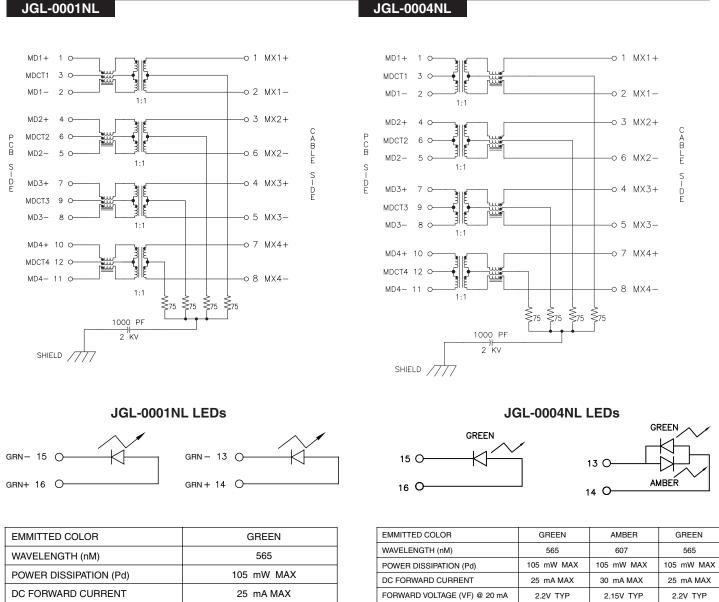
Mechanicals (cont.)



PULSEJACK[™] Low Profile 1x2 Gigabit Tab-Up



Schematics



NOTE: PER VENDOR'S SPECIFICATION

BICOLOR -----

FORWARD VOLTAGE (VF) @ 20 mA NOTE: PER VENDOR'S SPECIFICATION

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