

PulseJack® 2xN Gigabit PoE Plus

U.S. Patent#7241181

Description:

10/100/1000Base-T RJ45 2xN PoE Plus Integrated Connector with Magnetics, with the addition of power feeding over signal pairs.



Features and Benefits:

- ⚙️ RoHS peak wave solder temperature rating 260°C
- ⚙️ Suitable for CAT 5 & 6 UTP cable or better
- ⚙️ Power over Ethernet Plus (PoE+) enabled
- compatible to IEEE 802.3at standard
- ⚙️ 350μH minimum OCL with 18.3mA DC bias current
- ⚙️ High performance for maximum EMI suppression

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

RoHS Compliant Part Number (Number of Ports)	PoE Enabled	Turns Ratio (±2%)	Insertion Loss TX/RX (dB TYP)	Return Loss (dB TYP) 100Ω (±15Ω)			Crosstalk (dB TYP)			Common Mode Rejection		Hipot (Vdc MIN) (dB TYP)
			1-100 MHz	1-40 MHz	60 MHz	100 MHz	1-10 MHz	30-60 MHz	60-100 MHz	1-10 MHz	10-150 MHz	1 MIN
JOB-0384NL (2X4)	YES	1:1	-1.4	-18	-14	-10	-50	-41	-31	-50	-30	2250
JOB-0386NL (2X6)	YES	1:1	-1.4	-18	-14	-10	-50	-41	-31	-50	-30	2250
JOB-0388NL (2X8)	YES	1:1	-1.4	-18	-14	-10	-50	-41	-31	-50	-30	2250

Notes: Contact Pulse for LED options

RJ45 Durability Test Rating

Part Number	Mating Force (MAX)	Unmating Force (MAX)	Durability
JOB Series	5 lbs./2.268 kgs.	5 lbs./2.268 kgs.	750 Insertions

RJ45 Material Specification

Part Number	Shield		Contact			Housing		MSL ² Rating
	Material	Finish	Material	Plating Area	Solder Area	Material	Specification	
JOB Series	Brass	20-40μ inches thick nickel over brass	Phosphor Bronze	50μ inches gold over 30-50μ inches nickel	Tin matte finish over nickel	Thermoplastic	UL 94 V-0	1

Notes:

1. Connector dimensions comply with FCC dimension requirements.

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

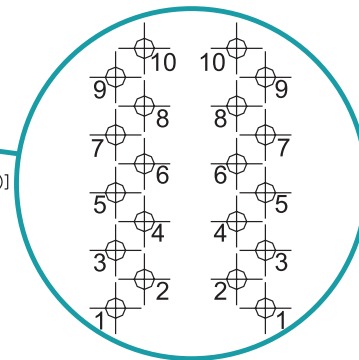
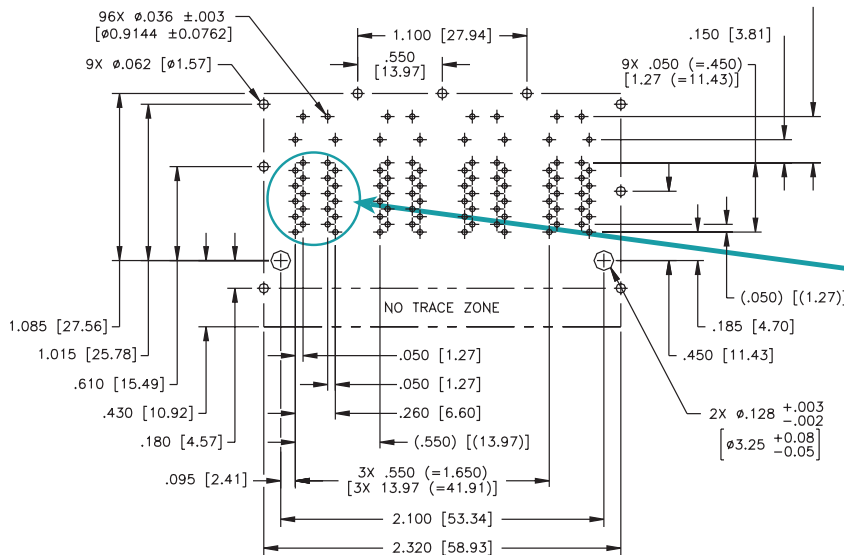
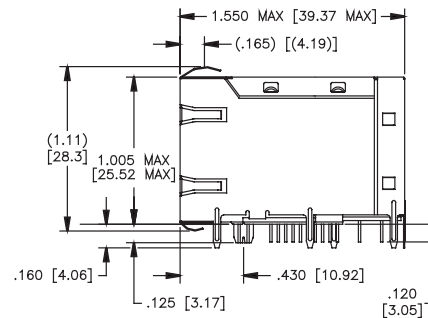
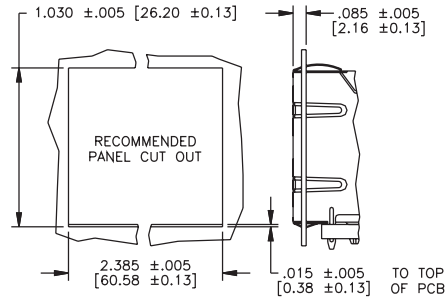
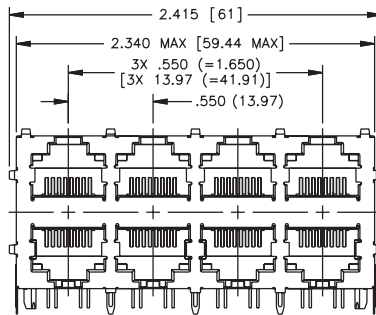
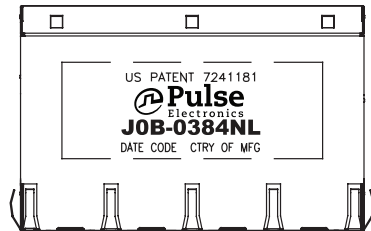
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China 86 755 33966678

Taiwan 886 3 4356768

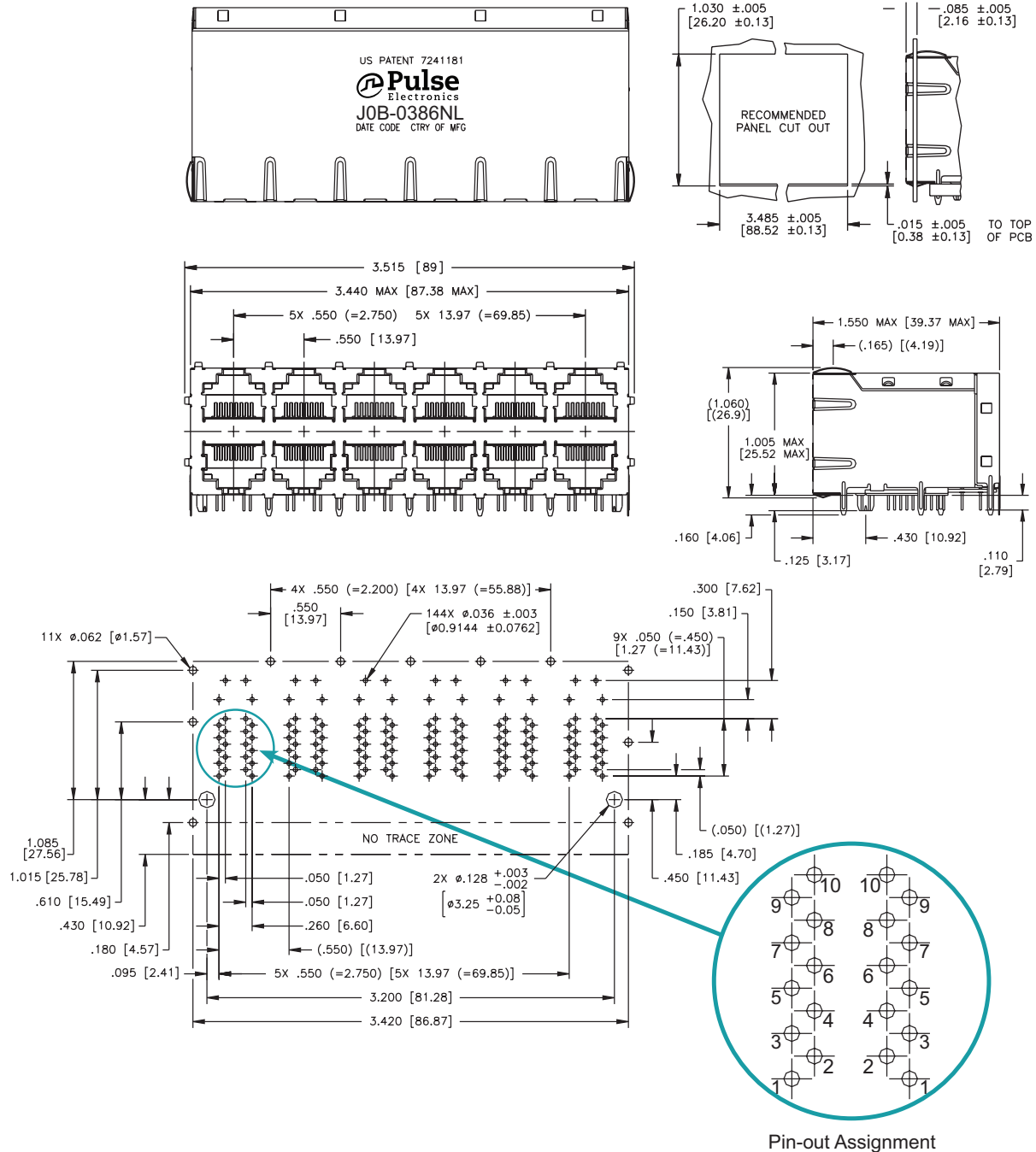
2X4 Mechanicals (No LEDs)

JOB-0384NL



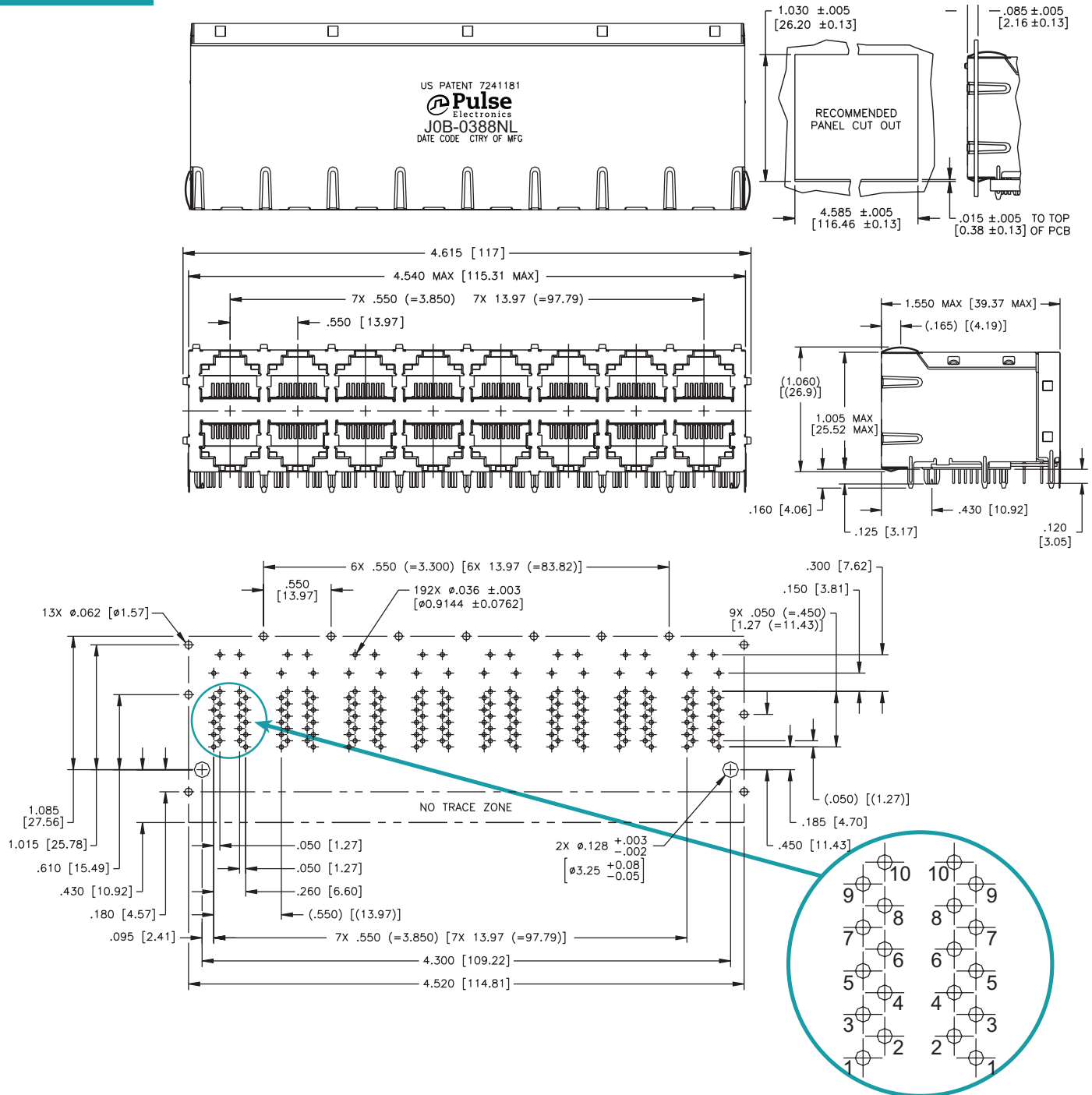
2X6 Mechanicals (No LEDs)

JOB-0386NL



2X8 Mechanicals (No LEDs)

JOB-0388NL



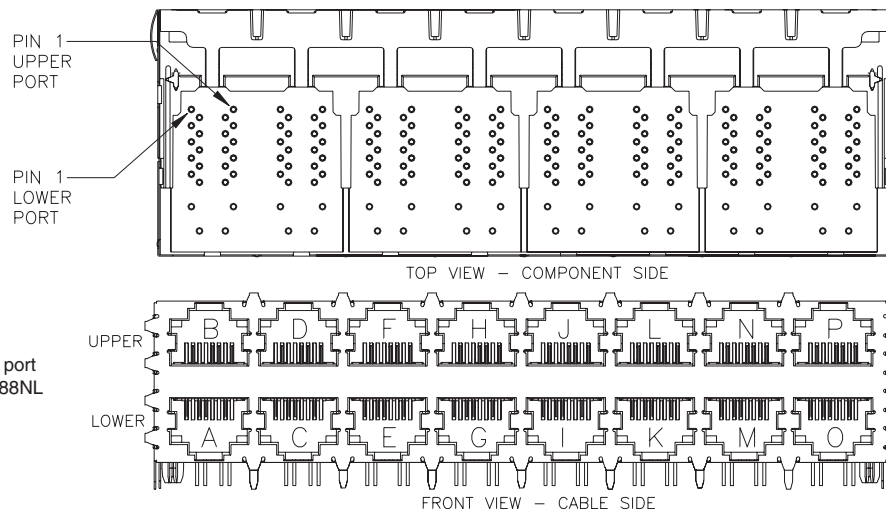
Pin-out Assignment

PulseJack® 2xN Gigabit PoE Plus

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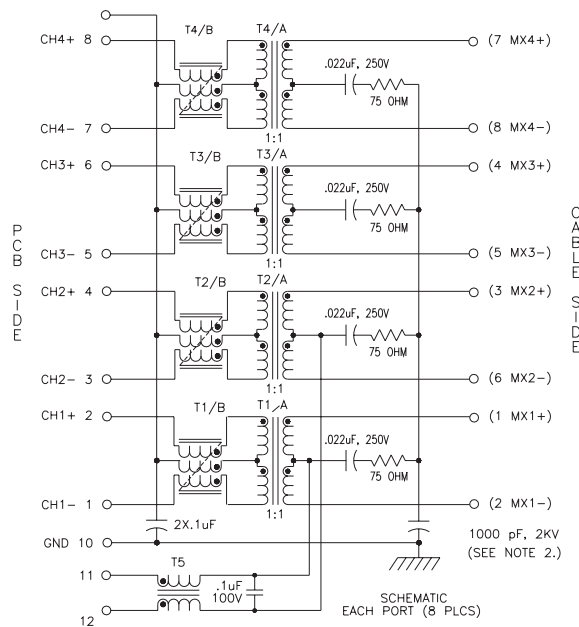
J0B-0384NL/86NL/88NL

Pin-out Assignment



NOTE: All parts use the same port identification system. J0B-0388NL (2x8) shown here.

Schematic



For More Information

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