

PulseJack™ Single-Port Gigabit PoE+



Description:

1000 Base-T RJ45 single port with integrated magnetics - Designed for most leading PHY manufacturers with the addition of Power over Ethernet, according to IEEE 802.3at



Features and Benefits:

- RoHS peak wave solder temperature rating 260°C
- Single port Connector for PoE applications
- High performance for maximum EMI suppression

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

RoHS Compliant Part No.	Tab Option	LEDs ¹ L/R	Insertion Loss TX/RX (dB TYP)	Return Loss (dB TYP) 100Ω (± 15 Ω)			Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (Vrms MIN) @ 60Hz 1 MIN
				1-100 MHz	30 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	1-50 MHz	
JKO-0177NL	UP	Y-G/G	-1.0	-16	-12	-10	-44	-37	-33	-27	-20	1500
JXKO-0190NL ²	UP	Y-G/G	-1.0	-16	-12	-10	-44	-37	-33	-27	-20	1500

Notes:

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

RJ45 Durability Testing Rating

Part Number	Mating Force (MAX)	Unmating Force (MAX)	Durability	Plug to Jack Retention (MIN)
JKO/JXKO Series	5 lbs./2.268 kgs.	5 lbs./2.268 kgs.	500 Insertions	20 lbs./9.072 kgs.

RJ45 Material Specification

Part Number	Shield		Contact			Housing		MSL ² Rating
	Material	Finish	Material	Plating Area	Solder Area	Material	Specification	
JKO/JXKO Series	Brass	20-40μ inches thick Nickel over brass	Phosphor Bronze	30μ 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.
2. MSL = Moisture Sensitivity Level class limits = 1 to 5 (Highest: 1; Lowest: 5)

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

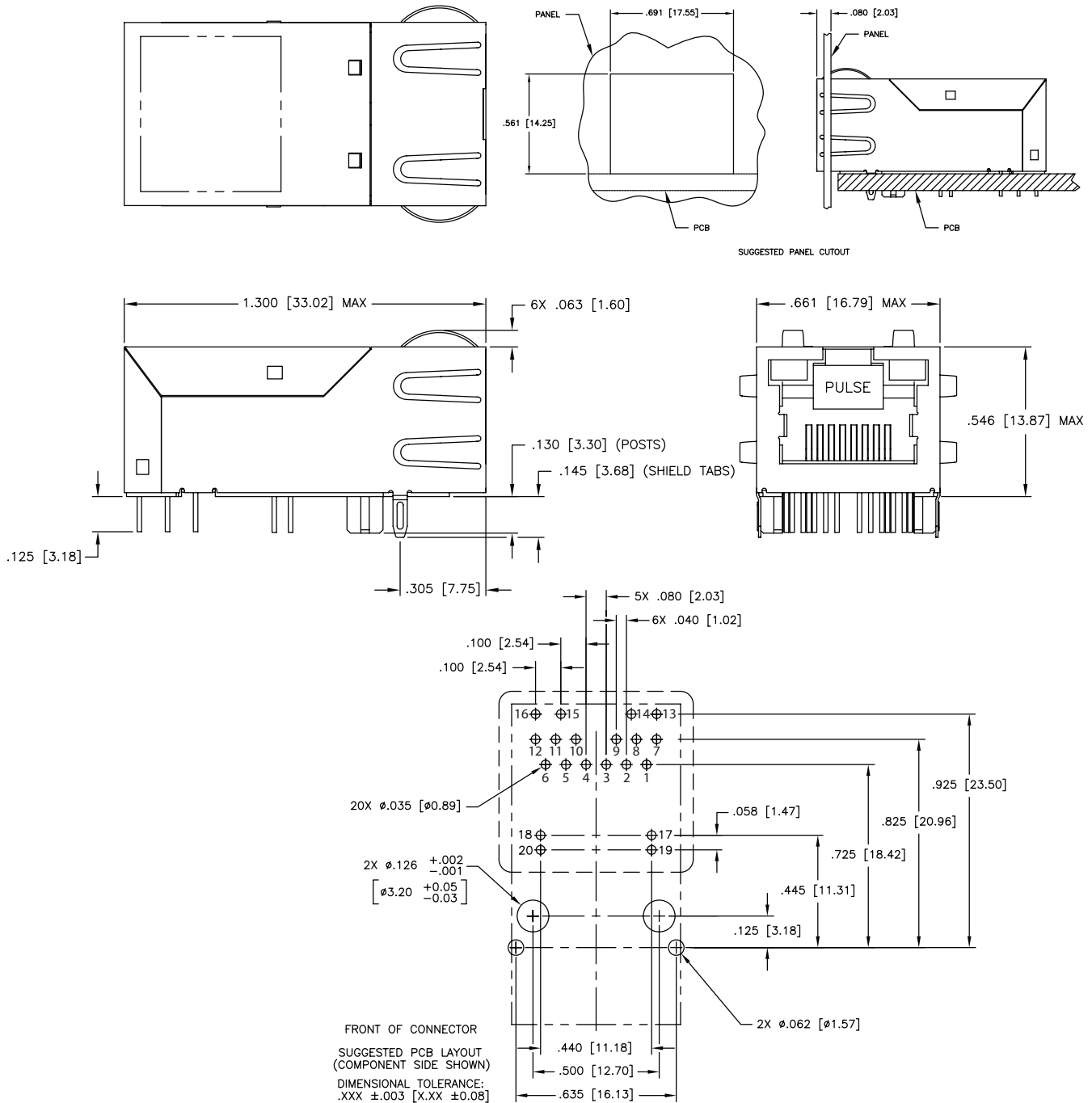
Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

Mechanical

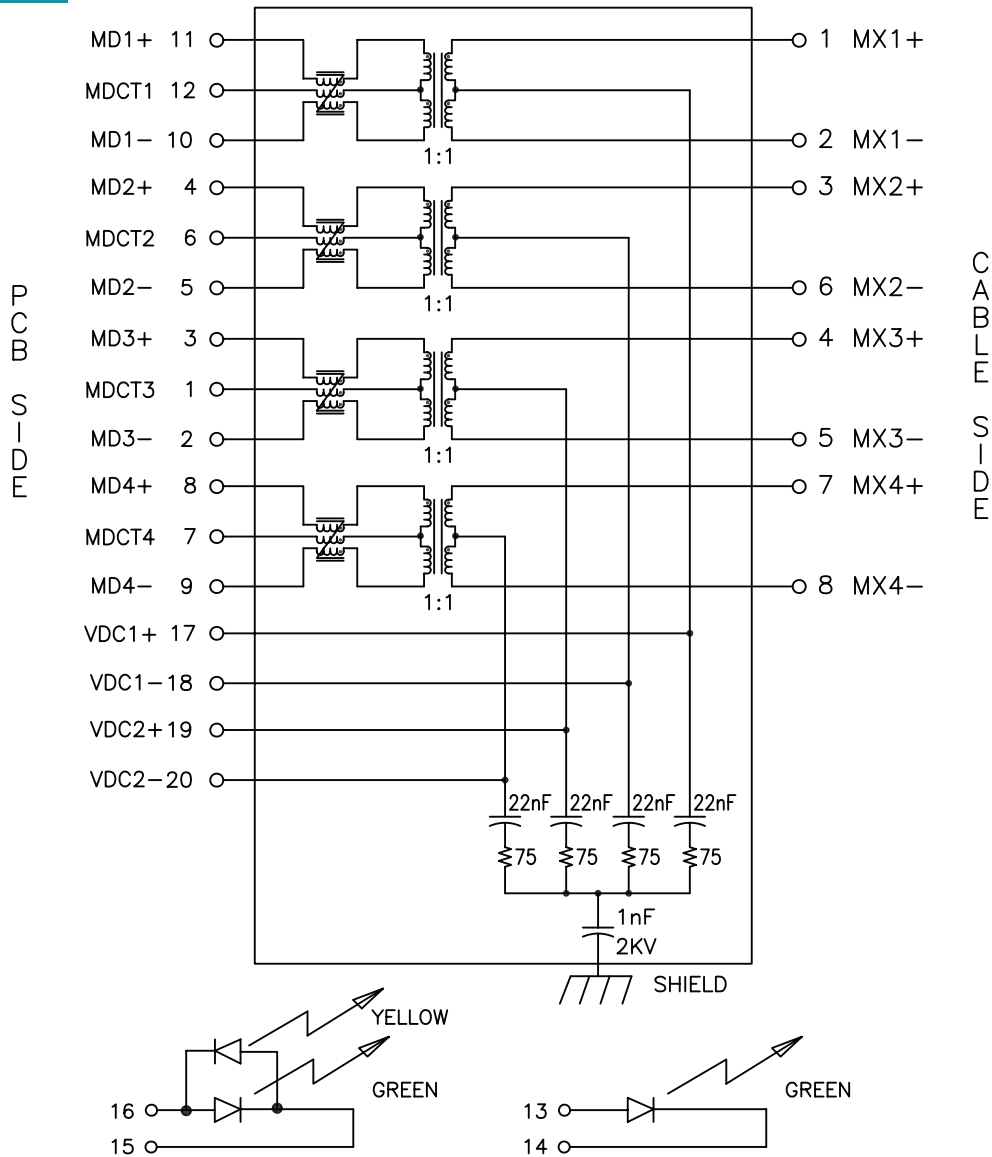
JKO-0177NL, JXKO-0190NL



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Schematic

JKO-0177NL, JXKO-0190NL



For More Information

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA
92128
U.S.A.

Tel: 858 674 8100

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technol-
ogy Bldg.
10th Kejian Road
High-Tech Zone
Nanshan District
Shenzhen, PR China
518057

Pulse North China
Room 2704/2705
Super Ocean Finance
Ctr.
2067 Yan An Road
West
Shanghai 200336
China

Pulse South Asia
135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823
(Pulse)

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