

100 Base-TX RJ45 1X1 Tab-Down 8 pin Integrated Magnetics Connector, designed for industrial rated applications and is suitable for reflow solder mounting.





Features and Benefits:

- High Temperature rated parts designed for use in Pin-in-Paste processing with 260°C max reflow temperature
- Meets IEEE802.3 specification
- 350µH minimum OCL with 8mA DC bias current
- Extended Temperature range from -40°C to 85°C

				Electrical S	pecifications @	25°C - Operatin	g Temperature -	-40°C to +85°C				
			Insertion Loss	Return Loss (dB TYP)		CCMR (dB TYP)		Crosstalk (db TYP)			Hipot	
Part Number ¹	EMI Fingers	LED (L/R)	1 - 65MHz (dB TYP)	1 - 10 MHz	30 MHz	60 - 80 MHz	1 - 50 MHz	50 - 130 MHz	1 - 10 MHz	30 - 60 MHz	60 - 100 MHz	(Vrms)
JXR0-0001NL	YES	-	-1.0	-20	-16	-10	-30	-20	-40	-35	-30	1500
JXR0-0005NL	NO	-	-1.0	-20	-16	-10	-30	-20	-40	-35	-30	1500
JXRO-0011NL	YES	G/Y	-1.0	-20	-16	-10	-30	-20	-40	-35	-30	1500
JXR0-0015NL	NO	G/Y	-1.0	-20	-16	-10	-30	-20	-40	-35	-30	1500

Notes:

1. When ordering JXR0-0011NL supplied in Tape and Reel, please add a "T" on the end of the part code - e.g. JXR0-0011NL becomes JXR0-0011NLT.

2. Maximum Reflow Solder Temperature: 2x SRP 260°C for 5 seconds with LEDs and 2x SRP 260°C for 10 seconds

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

RJ45 Material Specification								
		Shield		Contact	Housing		MSL ²	
Part Number	Material	Finish	Material	Plating Area	Solder Area	Material	Specification	Rating
		10-20m inches Nickel over	Phosphor	Nickel underplating and	Matte Tin finish			
JXRO - Series	Brass	10-20m inches Brass	Bronze	selective gold plating 30 μ inches	oyer Nickel	Thermoplastic	UL 94 V-0	3

Notes: 1. Connector dimensions comply with FCC dimension requirements. 2. MSL = Moisture Sensitivity Level rating from 1 to 5 (highest rating = 1, lowest rating = 5).



Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

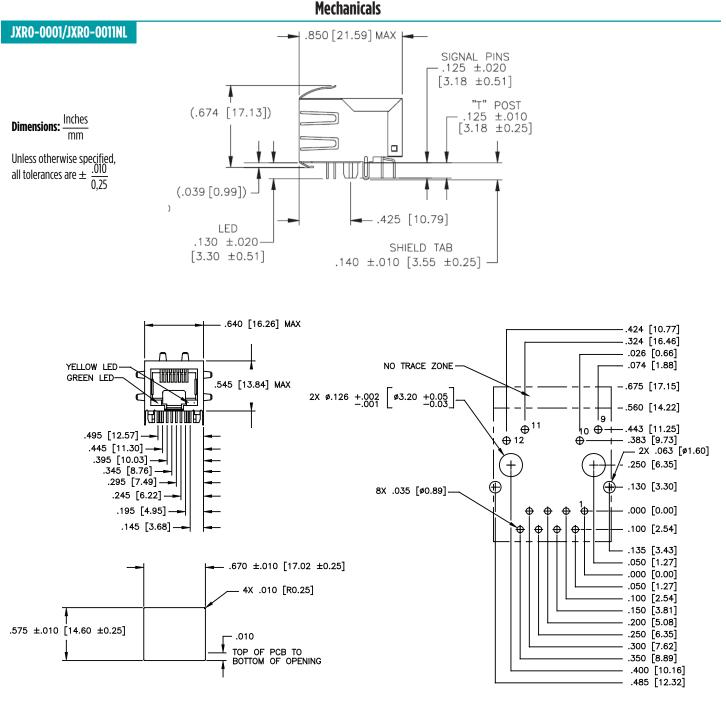
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J436.B (04/12)

Pulse Electronics

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RECOMMENDED PANEL CUTOUT

RECOMMENDED PCB LAYOUT VIEWED FROM COMPONENT SIDE

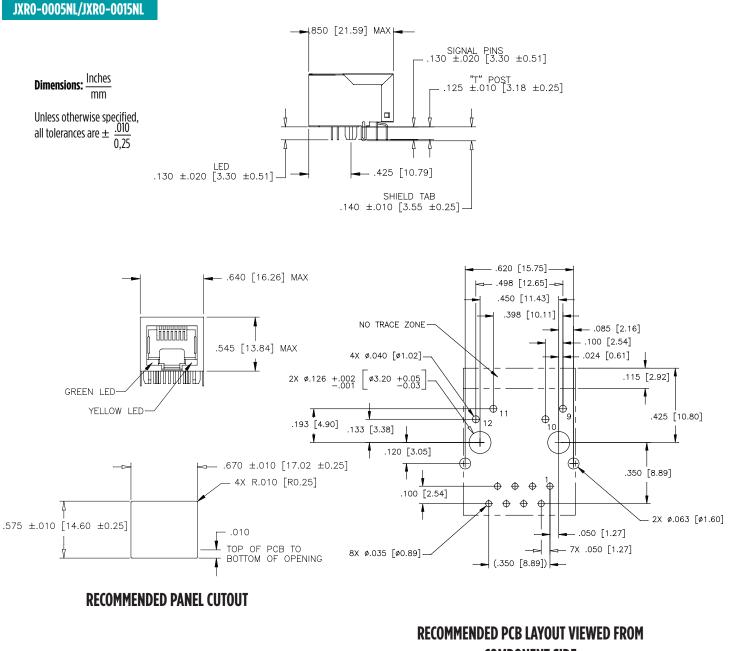
PCB LAYOUT DIMENSIONS REFERENCED TO PIN#1 AND ±.003 UNLESS OTHERWISE SPECIFIED

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Mechanicals (continued)

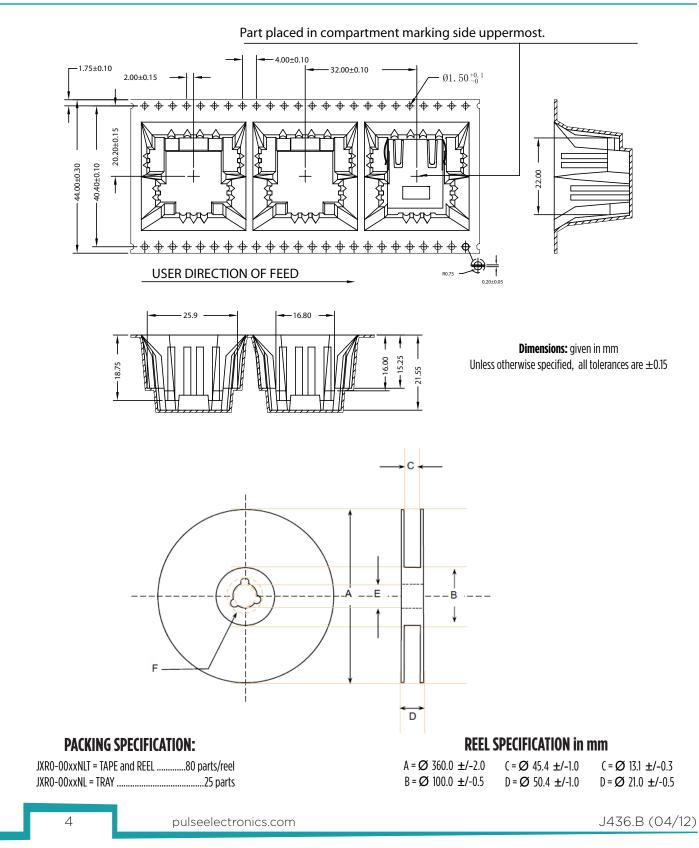


COMPONENT SIDE

PCB LAYOUT DIMENSIONS REFERENCED TO PIN#1 AND ±.003 UNLESS OTHERWISE SPECIFIED

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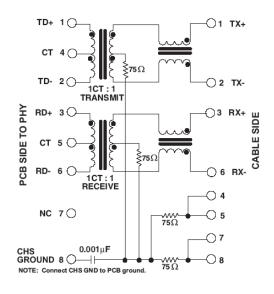
Tape and Reel Specification

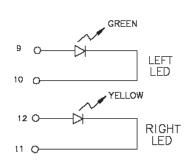




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Electrical Schematic





LED Specification

Standard LED	Wavelength	Forward* V(MAX)	(TYP)
Yellow	585 nm	2.5 V	2.1 V
Green	565 nm	2.5 V	2.2 V

* Assumes bias current = 20mA

Pulse Worldwide	Pulse Europe	Pulse China Headquarters	Pulse North China	Pulse South Asia	Pulse North Asia
Headquarters	Einsteinstrasse 1	B402, Shenzhen Academy of	Room 2704/2705	135 Joo Seng Road	3F, No. 198
2220 World Trade Drive	D-71083 Herren-	Aerospace Technol-	Super Ocean Finance	#03-02	Zhongyuan Road
San Diego, CA	berg	ogy Bldg.	Ctr.	PM Industrial Bldg.	Zhongli City
92128	Germany	10th Kejinan Road	2067 Yan An Road	Singapore 368363	Taoyuan County 320
U.S.A.		High-Tech Zone	West		Taiwan R. O. C.
		Nanshan District	Shanghai 200336		Tel: 886 3 4356768
		Shenzen, PR China	China	Tel: 65 6287 8998	Fax: 886 3 4356823 (Pulse)
Tel: 858 674 8100	Tel: 49 7032 78060	518057		Fax: 65 6287 8998	Fax: 886 3 4356820 (FRE)
Fax: 858 674 8262	Fax: 49 7032 7806 135	Tel: 86 755 33966678	Tel: 86 21 62787060		· · · · · · · · · · · · · · · · · · ·
		Fax: 86 755 33966700	Fax: 86 2162786973		

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