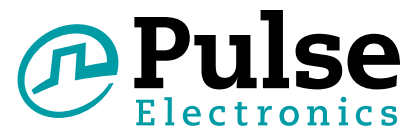


PulseJack™

1X1 Tab-Down RJ45

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 Specifications @ 25°C - Operating Temperature -40°C to +85°C

Part Number ¹	EMI Fingers	LED (L/R)	Insertion Loss 1 - 65MHz (dB TYP)	Return Loss (dB TYP)			CCMR (dB TYP)		Crosstalk (dB TYP)			Hipot (Vrms)
				1 - 10 MHz	30 MHz	60 - 80 MHz	1 - 50 MHz	50 - 130 MHz	1 - 10 MHz	30 - 60 MHz	60 - 100 MHz	
JXRO-0001NL	YES	-	-1.0	-20	-16	-10	-30	-20	-40	-35	-30	1500
JXRO-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
JXRO-0015NL	NO	G/Y	-1.0	-20	-16	-10	-30	-20	-40	-35	-30	1500

Notes:

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

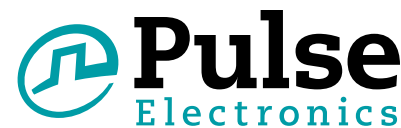
Part Number	Shield		Contact			Housing		MSL ² Rating
	Material	Finish	Material	Plating Area	Solder Area	Material	Specification	
JXRO - Series	Brass	10-20m inches Nickel over 10-20m inches Brass	Phosphor Bronze	Nickel underplating and selective gold plating 30µ inches	Matte Tin finish over Nickel	Thermoplastic	UL 94 V-0	1

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).

PulseJack™

1X1 Tab-Down RJ45

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

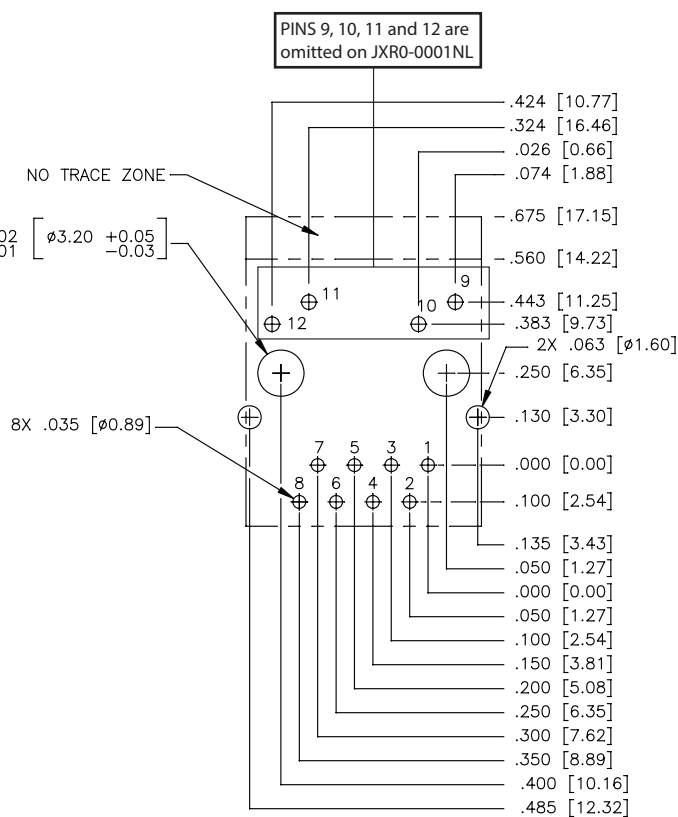
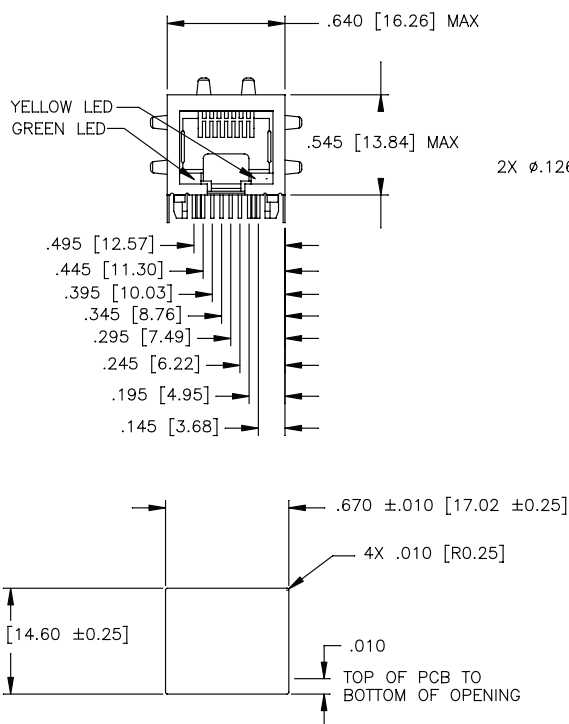
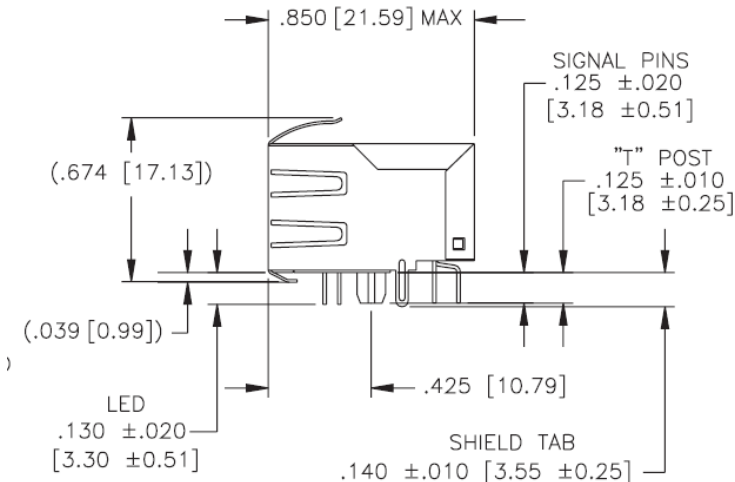


Mechanicals

JXR0-0001/JXR0-0011NL

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$



RECOMMENDED PANEL CUTOUT

RECOMMENDED PCB LAYOUT VIEWED FROM COMPONENT SIDE

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

PulseJack™

1X1 Tab-Down RJ45

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

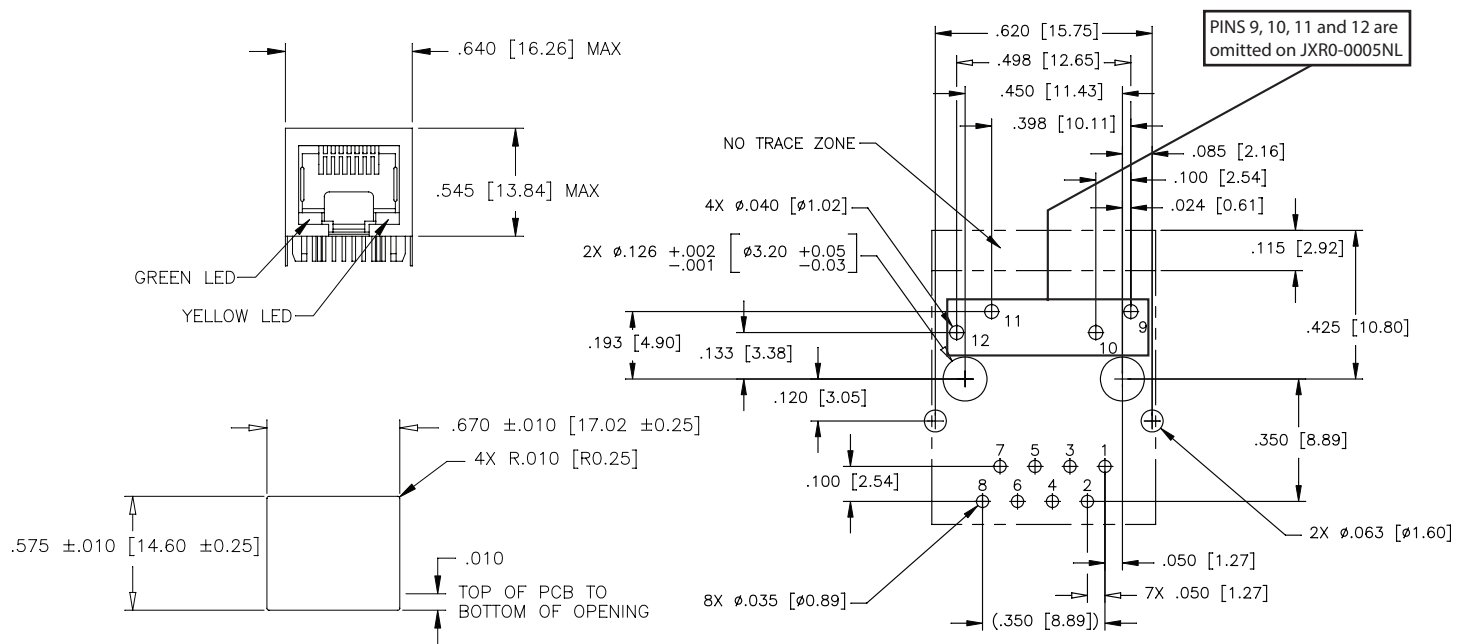
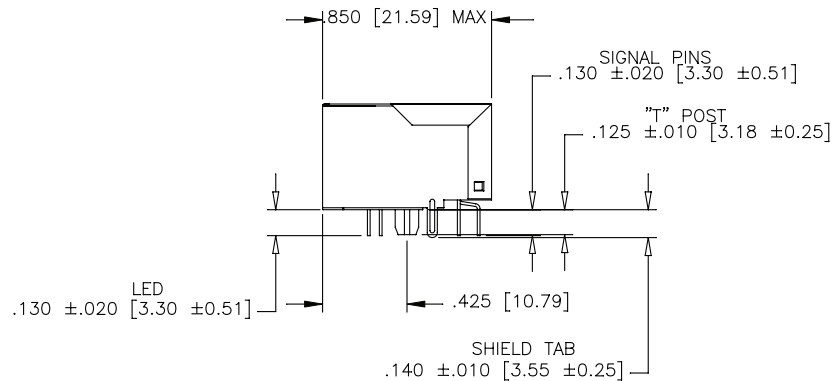


Mechanicals (continued)

JXR0-0005NL/JXR0-0015NL

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$



RECOMMENDED PANEL CUTOUT

RECOMMENDED PCB LAYOUT VIEWED FROM COMPONENT SIDE

PCB LAYOUT DIMENSIONS REFERENCED TO PIN#1 AND
 $\pm .003$ UNLESS OTHERWISE SPECIFIED

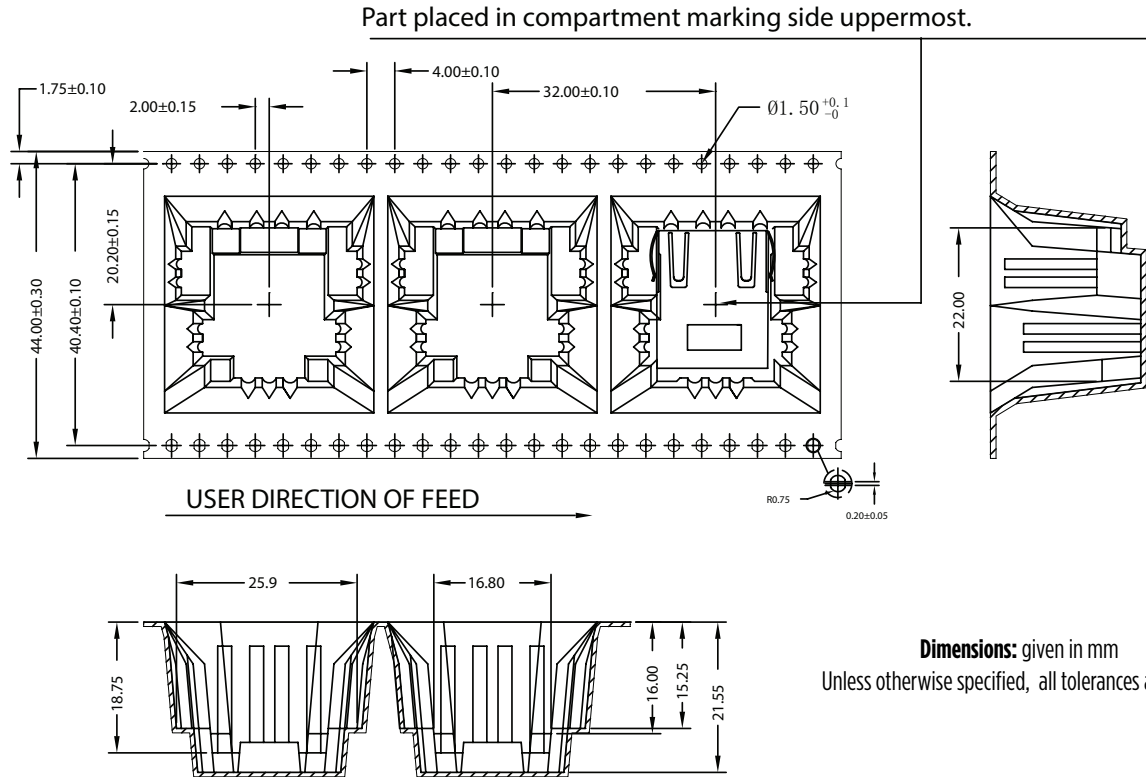
PulseJack™

1X1 Tab-Down RJ45

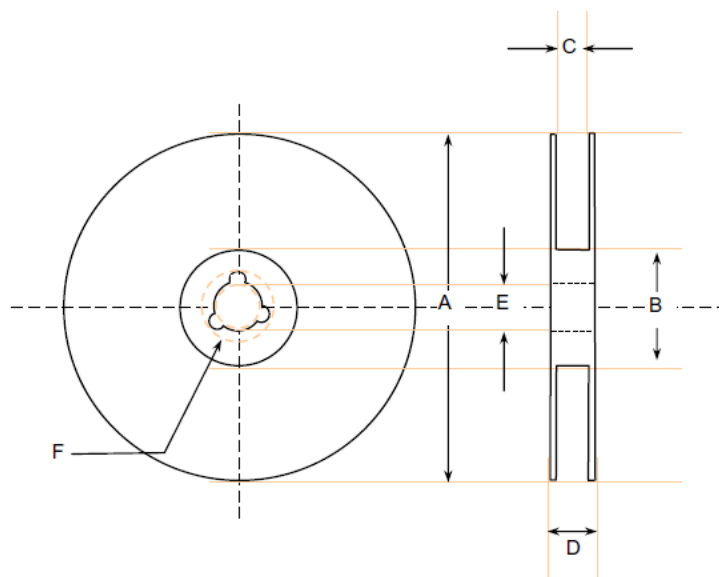
100 Base-TX RJ45 1X1 Tab-Down 8 pin Integrated Magnetics Connector, designed for industrial rated applications and is suitable for reflow solder mounting.



Tape and Reel Specification



Dimensions: given in mm
Unless otherwise specified, all tolerances are ±0.15



PACKING SPECIFICATION:

JXR0-00xxNLT = TAPE and REEL80 parts/reel
JXR0-00xxNL = TUBE25 parts
JXR0-00x5NL = TUBE30 parts

REEL SPECIFICATION in mm

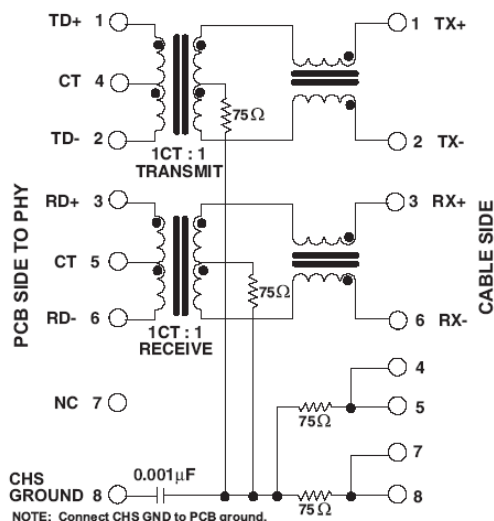
A = Ø 360.0 ±/-2.0 C = Ø 45.4 ±/-1.0 C = Ø 13.1 ±/-0.3
B = Ø 100.0 ±/-0.5 D = Ø 50.4 ±/-1.0 D = Ø 21.0 ±/-0.5

PulseJack™

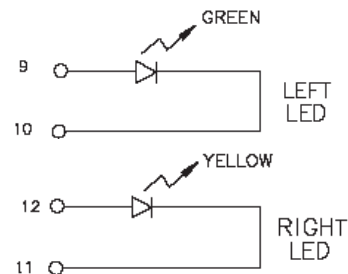
1X1 Tab-Down RJ45

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

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

For More Information

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

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 78060
Fax: 49 7032 7806 135

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China
518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China
Room 2704/2705
Super Ocean Finance
Ctr.
2067 Yan An Road
West
Shanghai 200336
China
Tel: 86 21 62787060
Fax: 86 2162786973

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)
Fax: 886 3 4356820 (FRE)

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2014. Pulse Electronics, Inc. All rights reserved.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9