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100Base-TX PulseJack™ Integrated SMD Connector

Rugged latch-up design for industrial and outdoor use

Pulse
a YAGEO company



Features and Benefits:

- *Fully compliant to IEEE802.3.u for 100Base-TX*
- *Compatible with market leading PHYs*
- *Rugged design for outdoor and industrial use*
- *Fully RoHS and lead free compliant*
- *Supplied in tray or tape and reel*
- *Peak reflow solder temperature 245°C*

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

Part Number*	Inductance 100kHz, 0.1mA - across pins shown	LED Configuration (L/R)	EMI Fingers Configuration	IC Design Style	Isolation (Pri:Sec)
JXD6-0001NL	350uH @ 8mA (4-5), (6-7)	Green/Yellow	None	AUTOMDIX	2250VDC / 60sec
JXD6-0002NL	350uH @ 8mA (3-5), (6-8)	Green/Green	Top and Side	AUTOMDIX	2250VDC / 60sec
JXD6-0003NL	350uH @ 8mA (4-5), (6-7)	Green/Yellow	Top and Side	AUTOMDIX	2250VDC / 60sec

* Component marking will not include the "T" as that denotes product to be shipped in Tape and Reel - see page 4 for details

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

Part Number	Insertion Loss (Max)	Return Loss (dB MIN) 100Ω (±15Ω)			Cross Talk (dB TYP)			Common Mode Rejection (dB TYP)	
	1-100 MHz	1-30 MHz	30-60 MHz	60-80 MHz	1 MHz	30-60 MHz	100 MHz	1-30 MHz	30-100 MHz
JXD6-0001NL	-1.2dB	-16dB	-12dB	-10dB	-40dB	-35dB	-30dB	-30dB	-30dB
JXD6-0002NL	-1.2dB	-16dB	-12dB	-10dB	-40dB	-35dB	-30dB	-30dB	-30dB
JXD6-0003NL	-1.2dB	-16dB	-12dB	-1dB	-40dB	-35dB	-30dB	-30dB	-30dB

Notes:

1. ROHS Compliant:
2. Plastic housing: thermoplastic material with flammability rating UL 94V-0 or better
3. Contacts plating: 6 micro-inch gold plating
4. Contacts base material: Phosphor bronze
5. Under plating: 30 micro-inch min nickel
6. Solder Tail Plating: 100 micro-inch (min), inches 100% tin, matte finish
7. Metal shield nickel plating on Copper Alloy
8. Jack cavity conforms to FCC part 68 subpart
9. PCB plating: HASL
10. Storage temperature: -40°C to +85°C
11. Compliance to J-STD:
    - A. J-STD-002: solderabilitiy at 245°C DIP and LOOK test
    - B. J-STD-020: level 1, no moisture sensitive
    - C. J-STD-075: R7, 245°C maximum through Reflow Solder
12. Parts are shipped in either trays of 50 pcs or full reels - see page 4 for details

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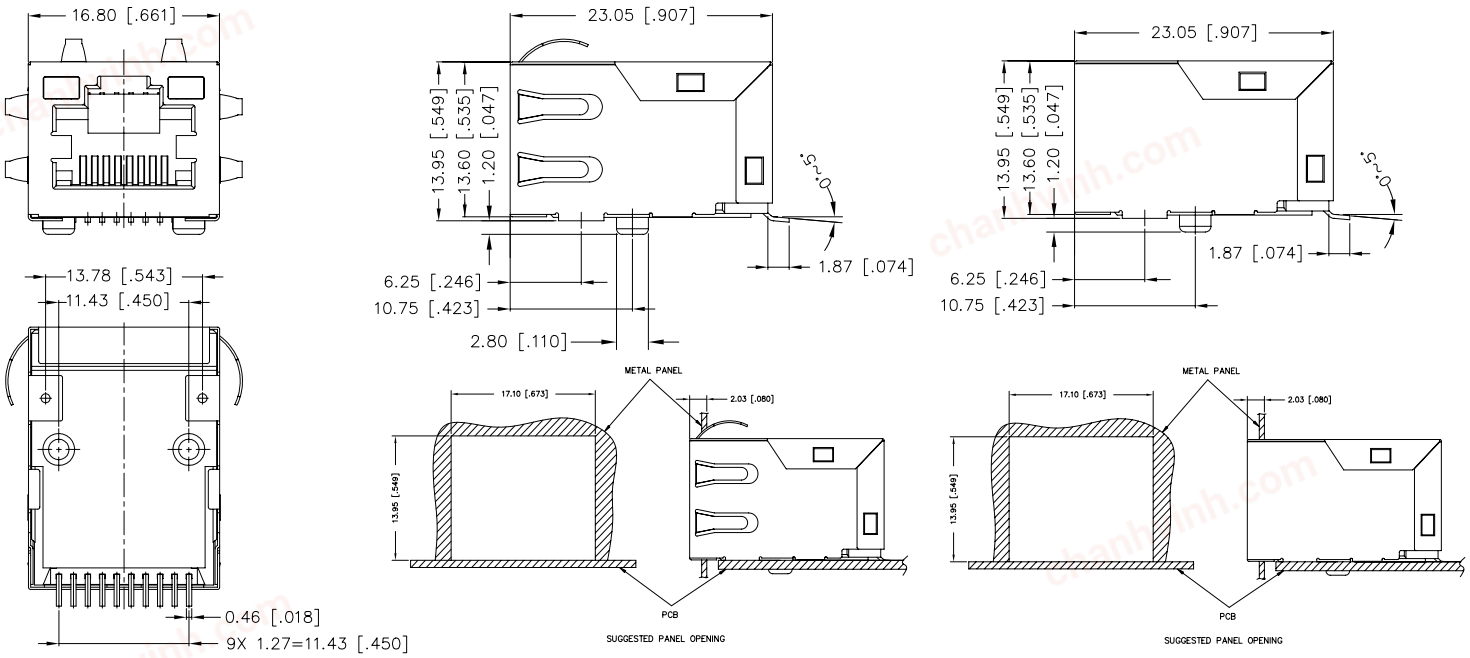
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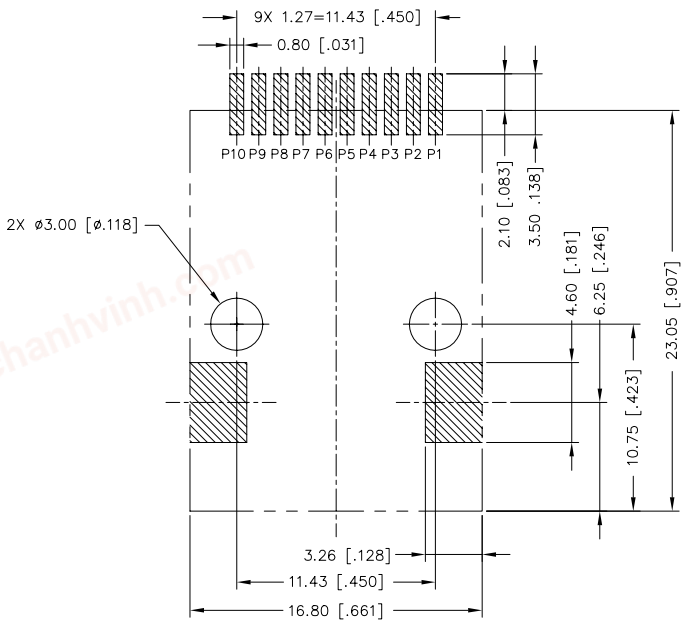
MECHANICALS

JXD6-000XNL



Dimensions:
Unless otherwise specified, all tolerances are ± 0,25

RECOMMENDED FOOTPRINT



SUGGESTED FOOTPRINT (COMPONENT SIDE SHOWN)

Dimensions:
Unless otherwise specified, all tolerances are ± 0,25

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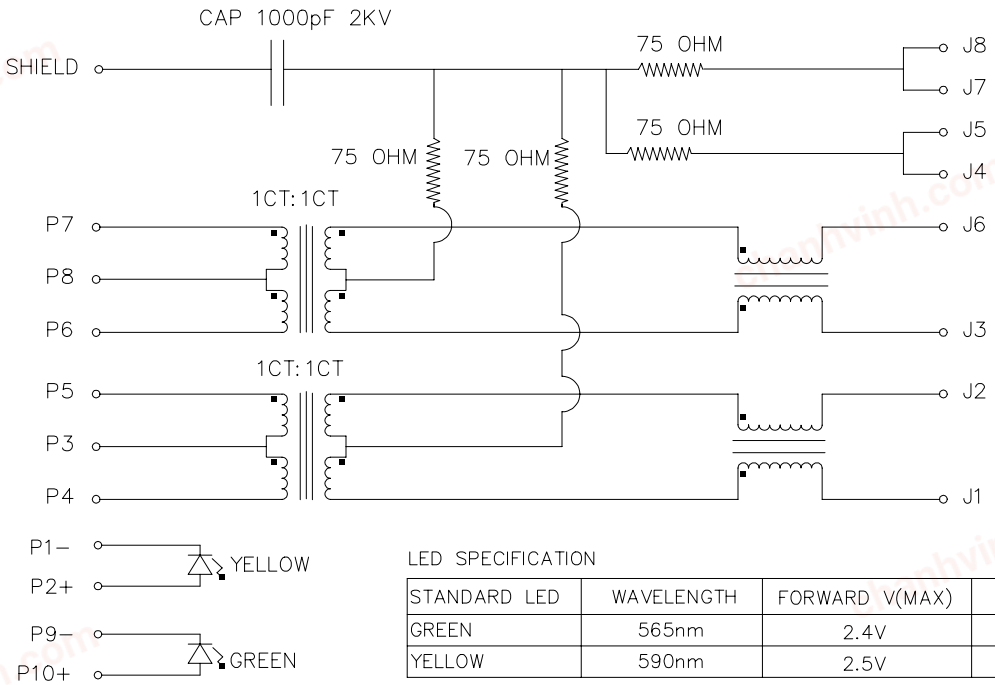
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SCHEMATICS

JXD6-0001NL, JXD6-0003NL

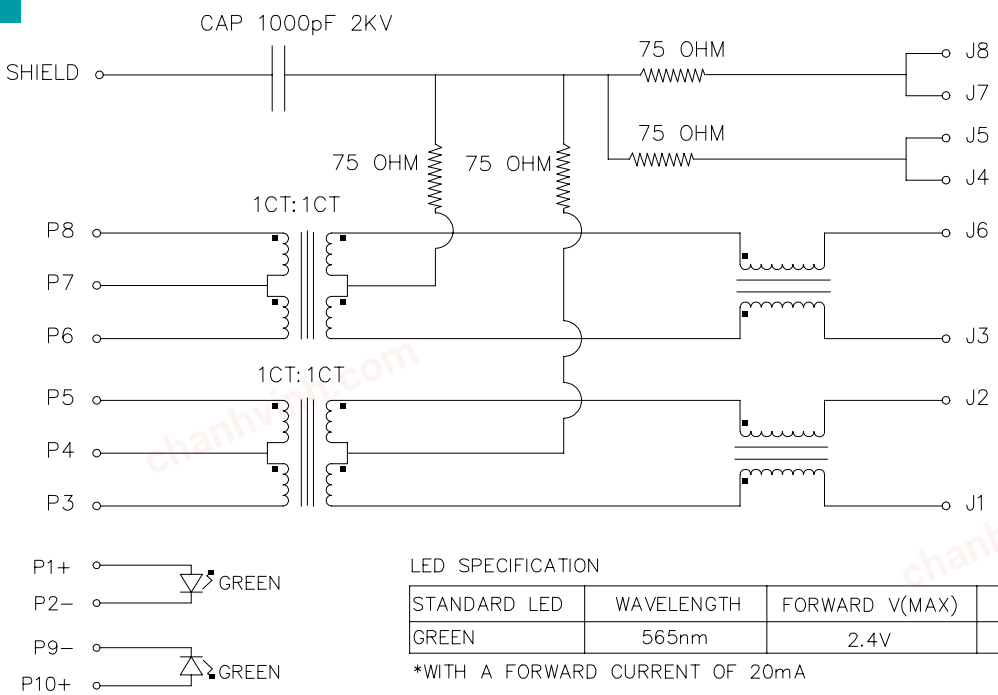


LED SPECIFICATION

STANDARD LED	WAVELENGTH	FORWARD V(MAX)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

*WITH A FORWARD CURRENT OF 20mA

JXD6-0002NL



LED SPECIFICATION

STANDARD LED	WAVELENGTH	FORWARD V(MAX)	TYP
GREEN	565nm	2.4V	2.2V

*WITH A FORWARD CURRENT OF 20mA

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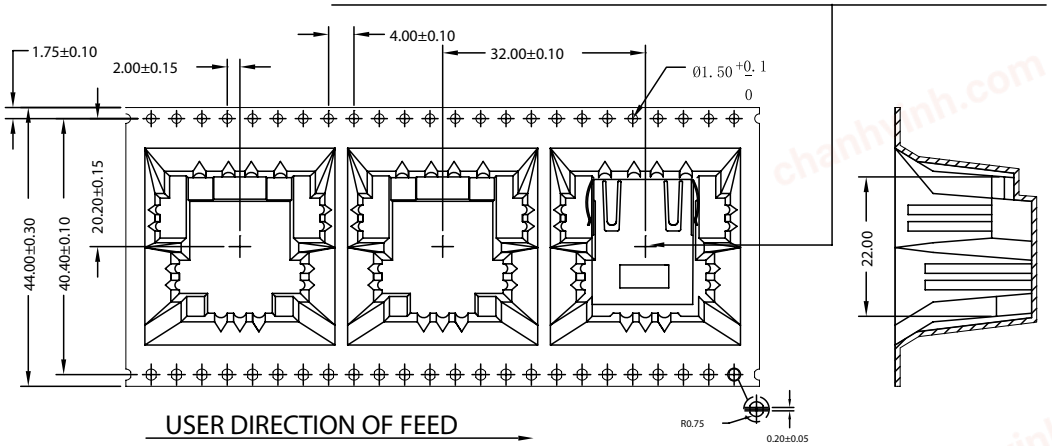
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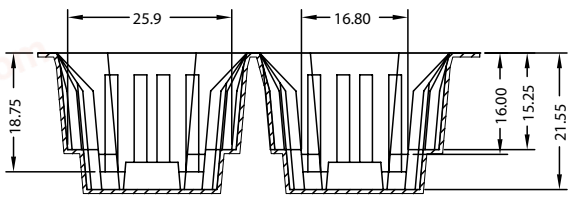
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PACKING SPECS - TAPE and REEL

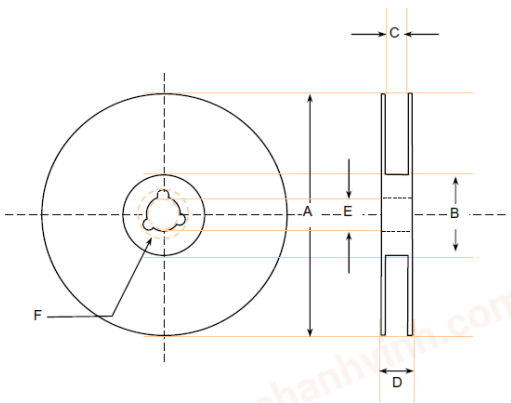
JXD6-000xNLT

Part placed in compartment marking side uppermost.





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



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

PACKING SPECIFICATION:

JXD6-0001NLT = TAPE and REEL .....110 parts/reel
JXD6-0002NLT = TAPE and REEL .....86 parts/reel
JXD6-0003NLT = TAPE and REEL 86parts/reel

5x Reels = 550/430 Parts in an Export Carton

For More Information:
Americas - prodinfo_network_americas@yageo.com | **Europe -** prodinfo_network_emea@yageo.com | **Asia -** prodinfo_network_asia@yageo.com

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