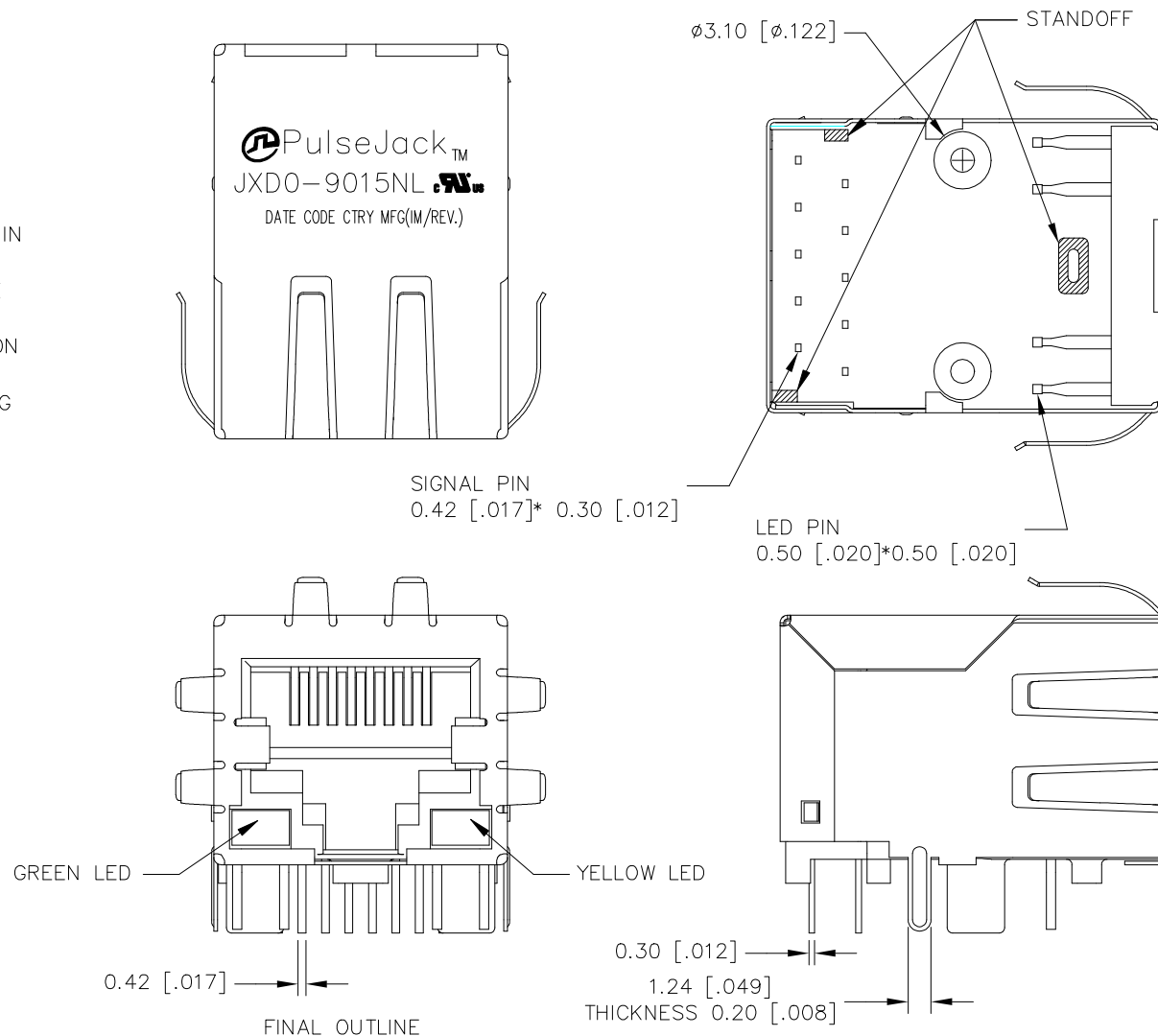


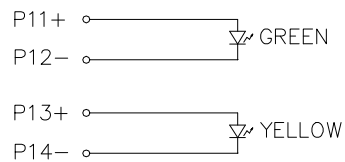
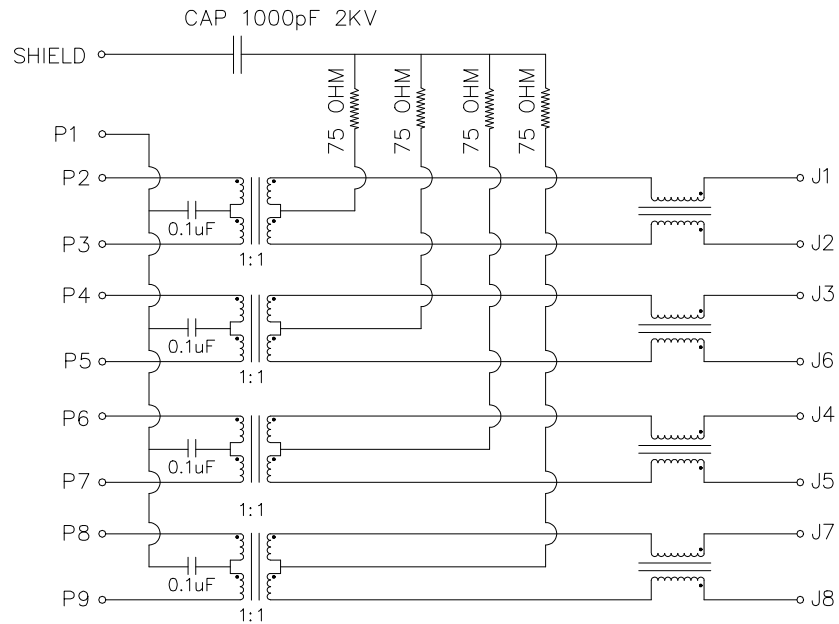
# NOTES:

1. CONNECTOR MATERIAL:  
HOUSING: LCP BLACK UL94 V-0  
SHIELD: BRASS  
SHIELD PLATING: NICKEL  
CONTACT: COOPER ALLOY  
CONTACT PLATING: SELECTIVE GOLD, 30 MICRO-INCHS MIN  
IN CONTACT AREA
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE  
ELECTRICAL DRAWING FOR OMITTED PINS
3. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION  
PART 68.
4. THE PART IS RECOMMENDED FOR IR REFLOW SOLDERING  
PROCESS PEAK SOLDERING TEMPERATURE IS  
245°C MAX, 10 SECS MAX
5. OPERATING TEMPERATURE T=-40°C TO +85°C.
6. STORAGE TEMPERATURE T=-40°C TO +85°C.



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| PRODUCT DESCRIPTION      | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|--------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,1GD,1:1,TY | JXD0-9015NL-X1 | -          | 1 OF 6 | JXD0-9015NL | A              |



SCHEMATIC

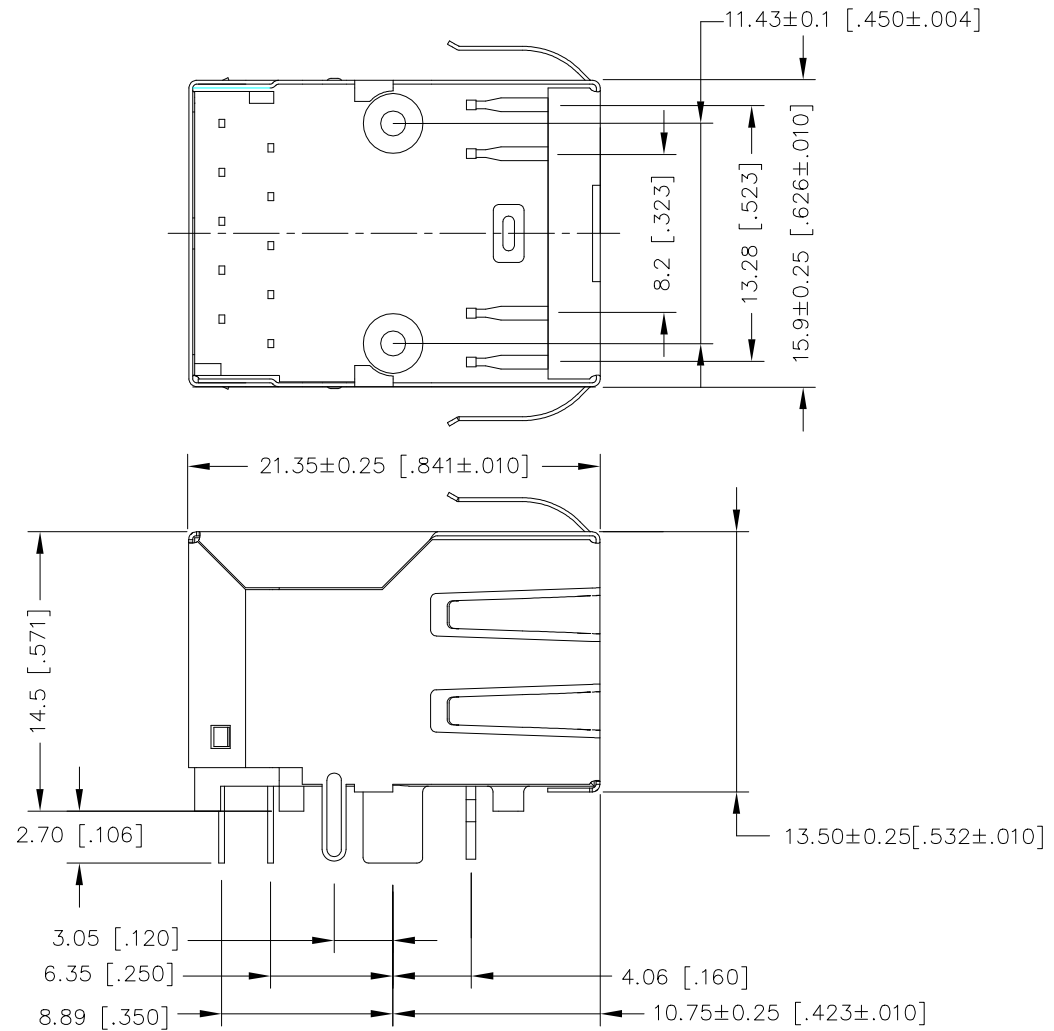
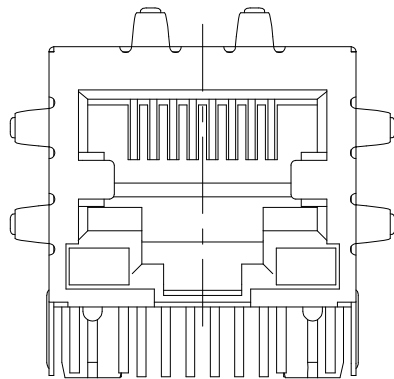
#### ELECTRONICAL SPECIFICATIONS:

- TURN RATIO @100KHz: (P2~P3):(J1~J2) = 1:1±5%  
(P4~P5):(J3~J6) = 1:1±5%  
(P6~P7):(J4~J5) = 1:1±5%  
(P8~P9):(J7~J8) = 1:1±5%
- PRIMARY INDUCTANCE: 350uH MIN @100KHZ, 0.1V 8mA DC BIAS
- DC RESISTANCE: 1.2 OHMS MAX
- INSERTION LOSS: 1-100MHz -1.0dB MAX  
100-125MHz -1.2dB MAX
- RETURN LOSS: 1-40MHz -16dB MIN  
40-60MHz -12dB MIN  
60-80MHz -10dB MIN  
80-100MHz -8dB MIN
- CROSS TALK: 1-100MHz -30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC

#### LED SPECIFICATIONS:

| STANDARDLED | WAVELENGTH | FORWARD V (MAX) | TYP  |
|-------------|------------|-----------------|------|
| GREEN       | 565nm      | 2.4V            | 2.2V |
| YELLOW      | 590nm      | 2.5V            | 2.1V |

\*WITH A FORWARD CURRENT OF 20mA



DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
X.XX=  $\pm 0.25$  [ $\pm$ .010]

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PRODUCT DESCRIPTION  
CONN,RJ45,1X1,1GD,1:1,TY

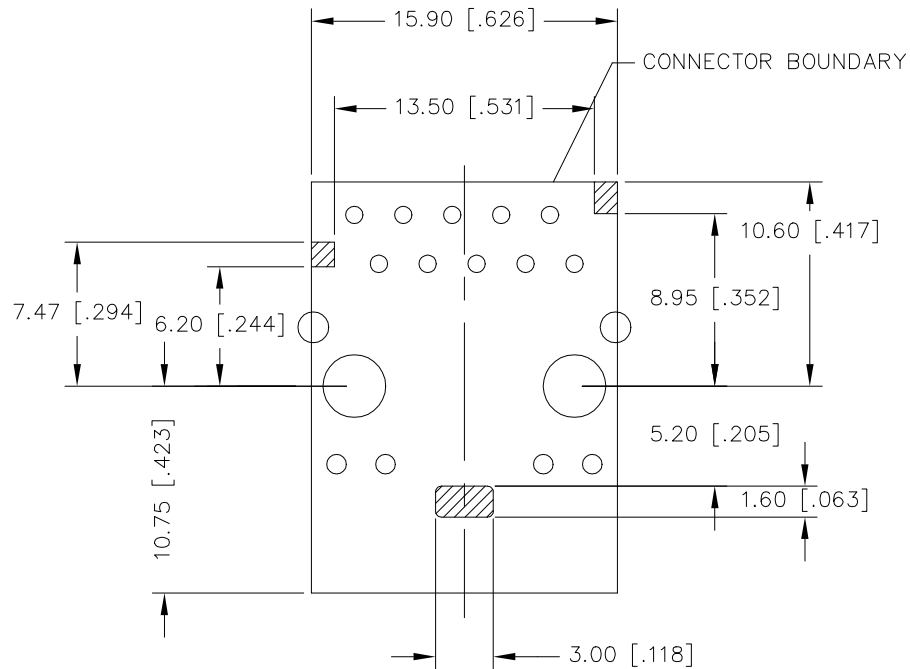
TLA DRAWING  
JXD0-9015NL-X1

PS DRAWING  
-

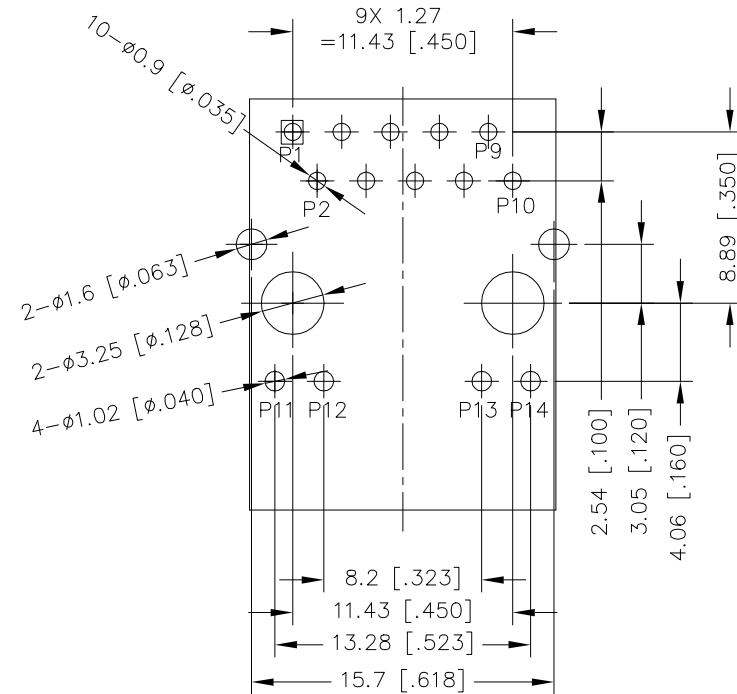
SHEET  
3 OF 6

PART NO.  
JXD0-9015NL

DATASHEET REV.  
A



STANDOFF AREA (COMPONENT SIDE SHOWN)

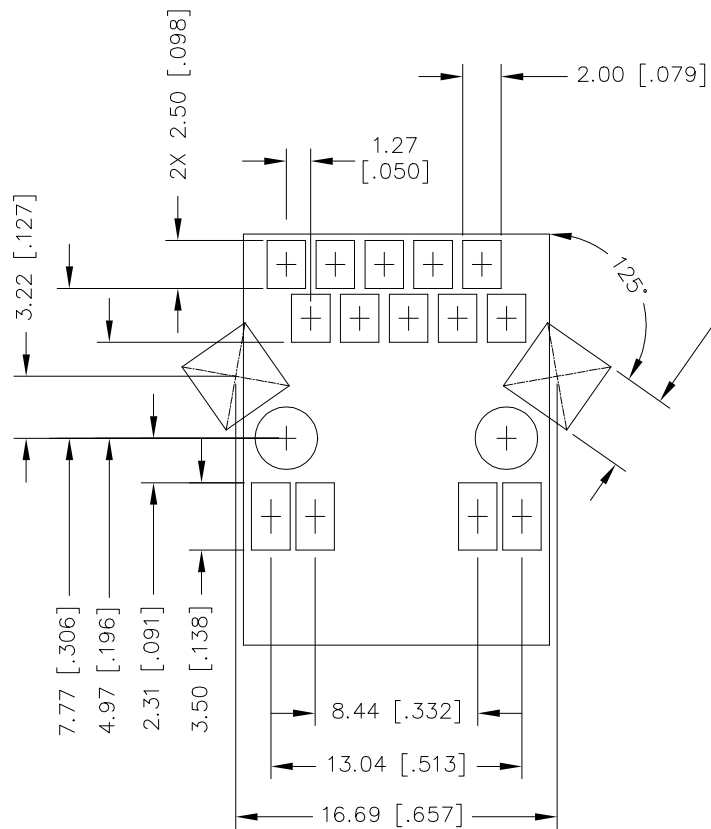


RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE SHOWN)

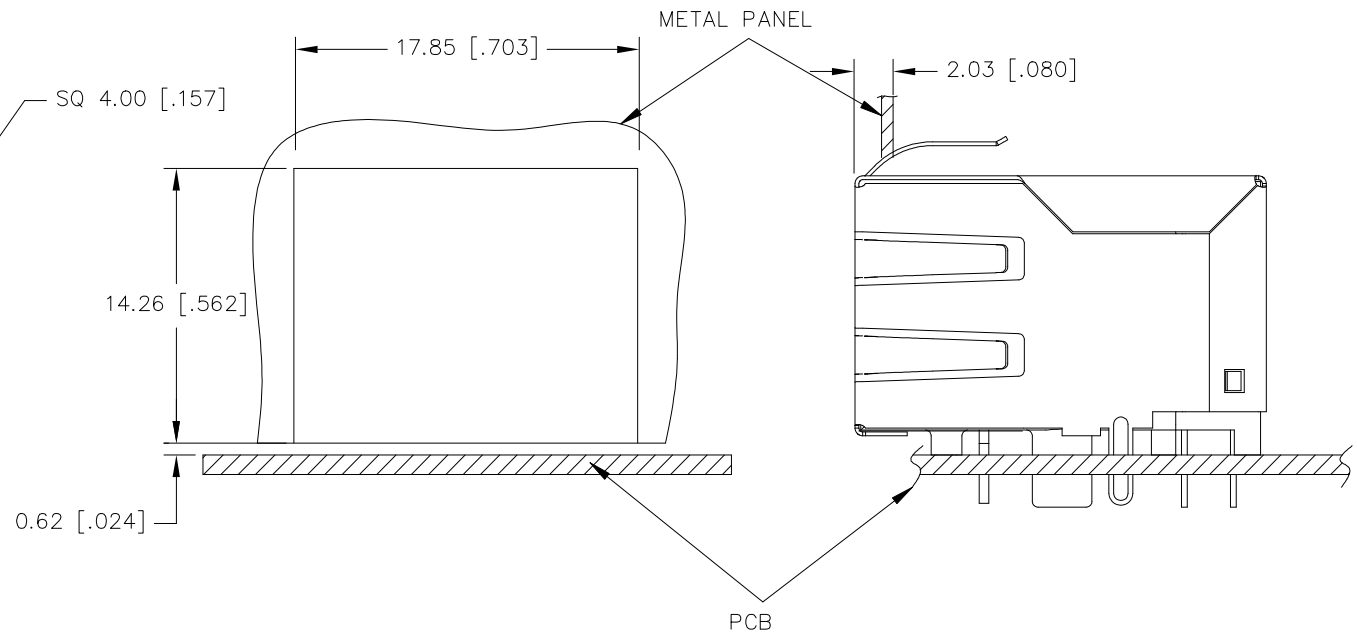
DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
X.XX=  $\pm 0.10$  [ $\pm 0.004$ ]

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| PRODUCT DESCRIPTION      | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|--------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,1GD,1:1,TY | JXD0-9015NL-X1 | -          | 4 OF 6 | JXD0-9015NL | A              |



RECOMMENDED STENCIL DESIGN WITH THICKNESS 0.20MM  
BASE ON 1.60MM THICKNESS PCB  
(COMPONENT SIDE SHOWN)

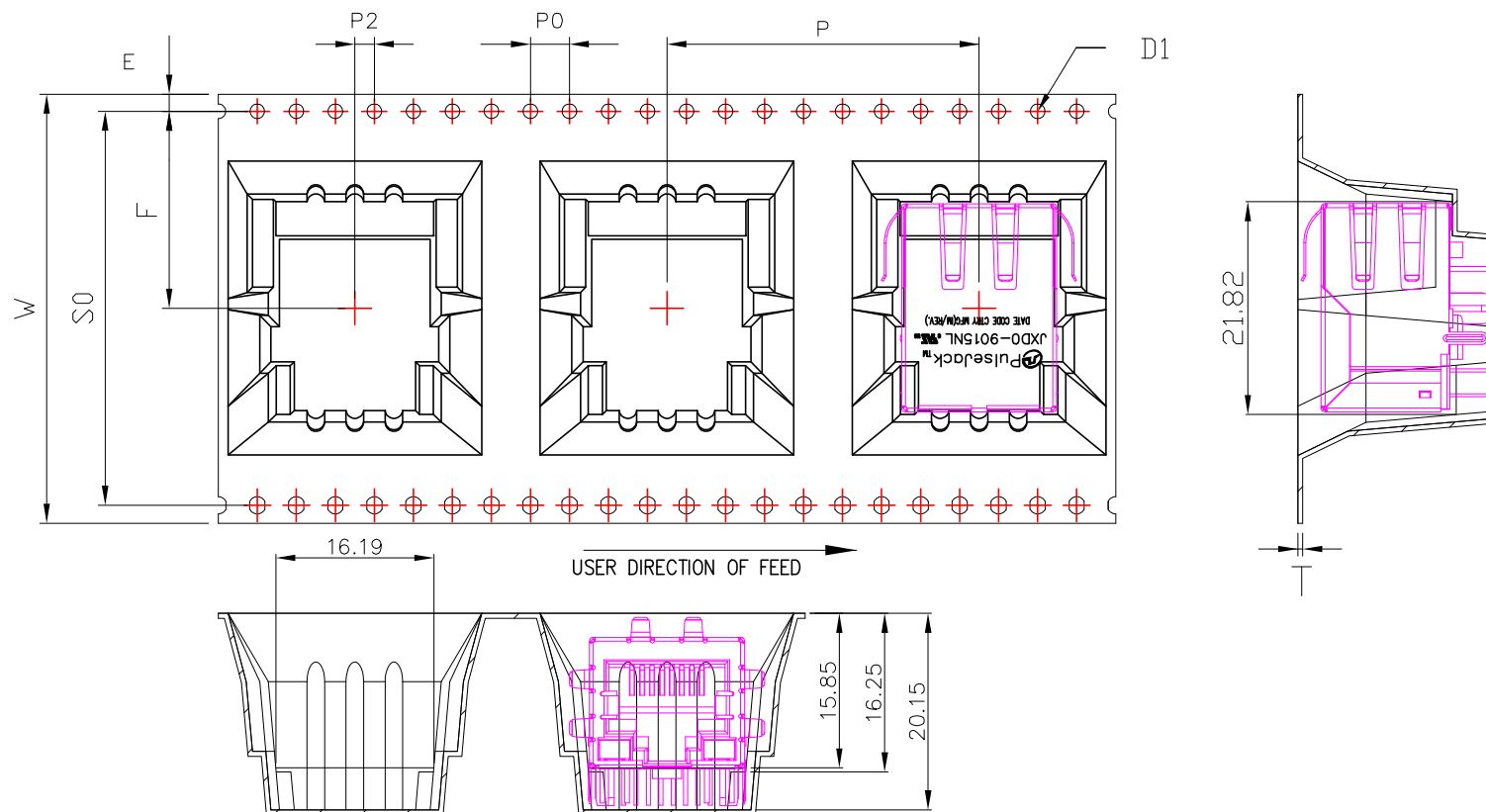


SUGGESTED PANEL CUTOUT

DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING  
TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
X.XX=  $\pm 0.10$  [ $\pm 0.004$ ]

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| PRODUCT DESCRIPTION      | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|--------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,1GD,1:1,TY | JXD0-9015NL-X1 | -          | 5 OF 6 | JXD0-9015NL | A              |



|    |            |    |                     |        |            |    |            |
|----|------------|----|---------------------|--------|------------|----|------------|
| W  | 44.00±0.30 | P  | 32.00±0.10          | A0     | 16.19±0.15 | B0 | 21.82±0.15 |
| S0 | 40.40±0.10 | P0 | 4.00 ±0.10          | A1     |            | B1 |            |
| E  | 1.75 ±0.10 | P2 | 2.00 ±0.15          | A2     |            | B2 |            |
| F  | 20.20±0.15 | D0 | 1.50 ±0.10<br>-0.00 | K0     | 20.15±0.20 | K1 | 15.85±0.15 |
| T  | 0.50 ±0.05 | D1 |                     | SCALE: | UNIT:      | mm |            |

- 1.Material:Black Conductive Polystyrene Alloy.
- 2.Packing lenght per 13" reel:2.2 Meters.
- 3.Component load per 13"reel:60 pcs.  
5 Reel in one box  
300pcs in one box
- 4.All dimension meet EIA-481-D reuirements.

DIMENSIONS ARE IN MILLIMETERS

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| PRODUCT DESCRIPTION      | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|--------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,1GD,1:1,TY | JXD0-9015NL-X1 | -          | 6 OF 6 | JXD0-9006NL | A              |

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