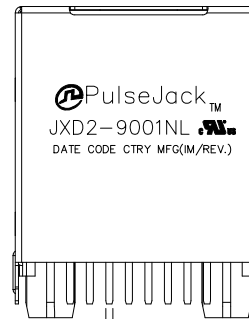
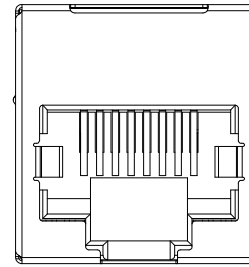
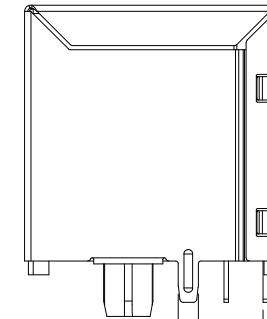


NOTES:

1. CONNECTOR MATERIAL:  
HOUSING: LCP BLACK UL94 V-0  
INSERTER: 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  
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.

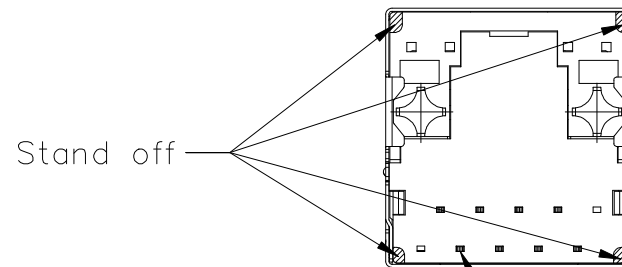


0.45 [.018]



0.35 [.014]

1.30 [.051]  
THICKNESS 0.20 [.008]

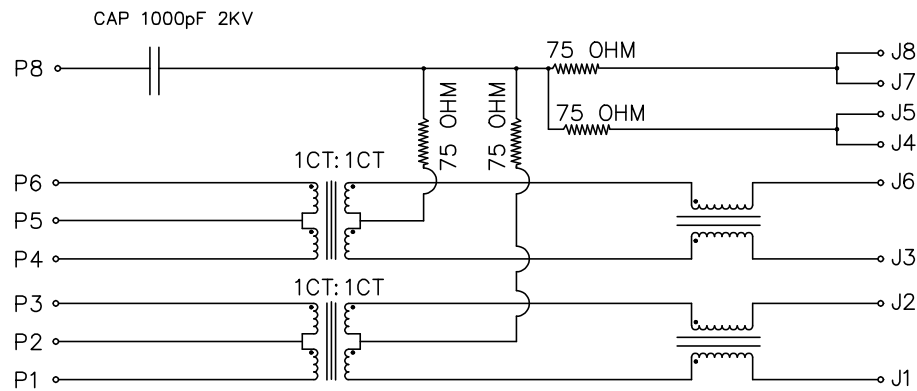


SIGNAL PIN  
0.35 [.014]\*0.45 [.018]

FINAL OUTLINE

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| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100D,1:1,TU | JXD2-9001NL-P1 | -          | 1 OF 6 | JXD2-9001NL | C              |



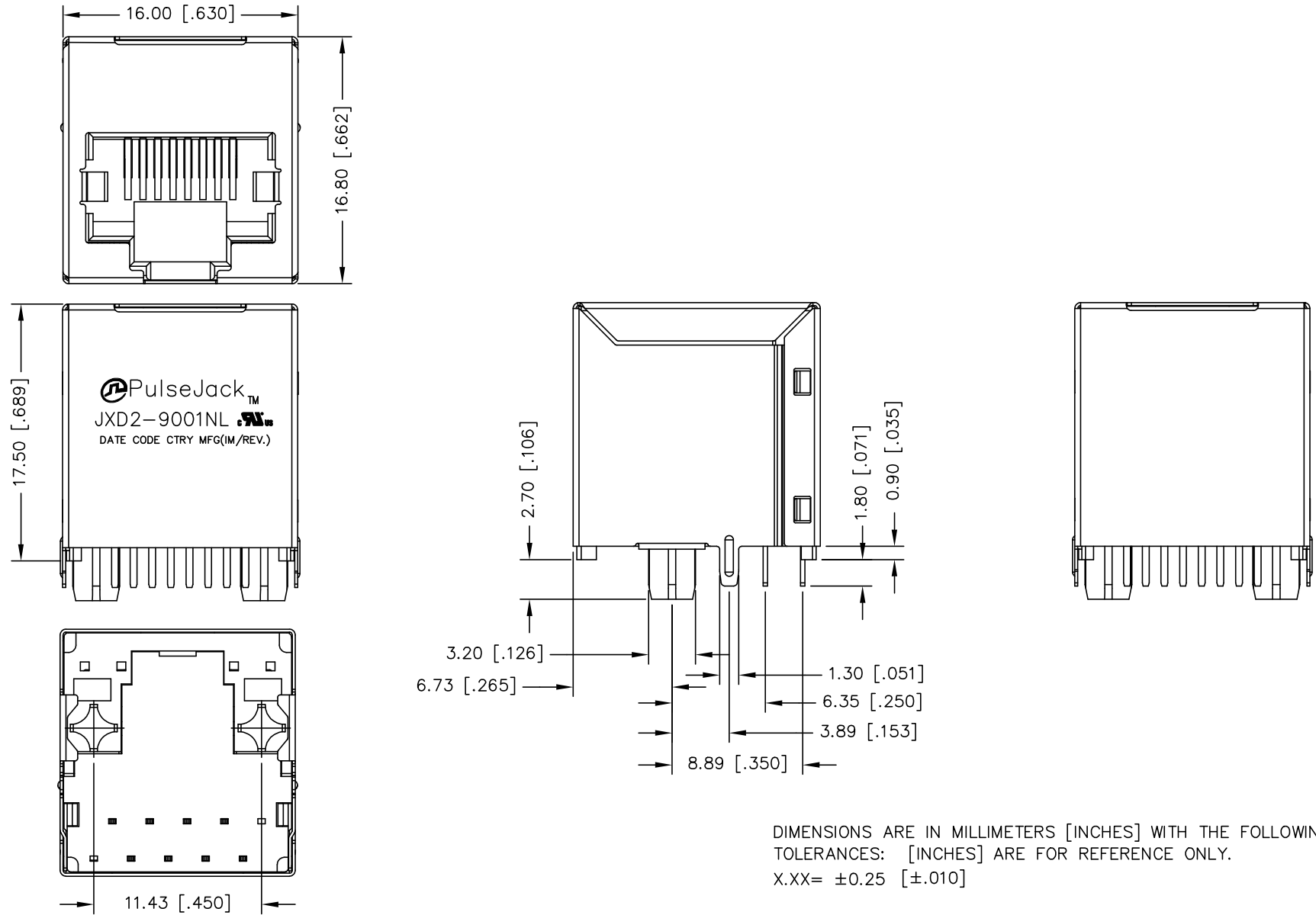
SCHEMATIC

ELECTRONICAL SPECIFICATIONS:

1. TURN RATIO @100KHz: (P1~P3):(J1~J2) = 1:1±5%  
(P4~P6):(J3~J6) = 1:1±5%
2. PRIMARY INDUCTANCE: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
3. DC RESISTANCE:(J1~J2):(J3~J6) 1.2 OHMS MAX
4. INSERTION LOSS: 1-100MHz -1.2dB MAX
5. RETURN LOSS: 1-30MHz -16dB MIN  
30-60MHz -12dB MIN  
60-80MHz -10dB MIN
6. CROSS TALK: 1-100MHz -30dB MIN
7. COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
8. ISOLATION: PHY SIDE TO LINE SIDE: 1500VAC OR 2250VDC

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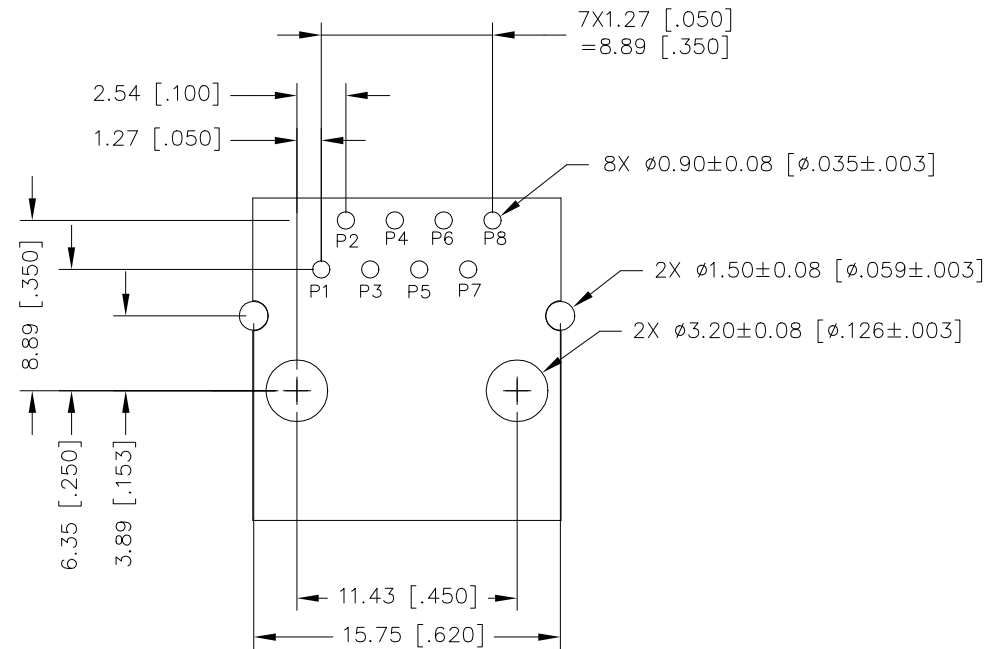
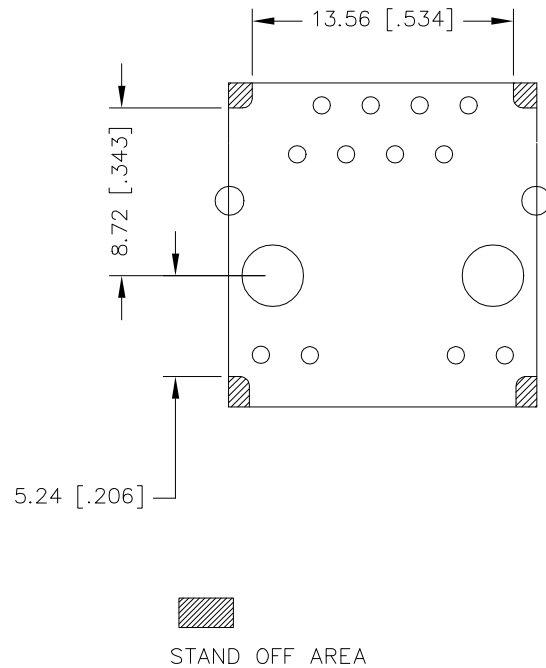
| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100D,1:1,TU | JXD2-9001NL-P1 | -          | 2 OF 6 | JXD2-9001NL | C              |



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

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| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100D,1:1,TU | JXD2-9001NL-P1 | -          | 3 OF 6 | JXD2-9001NL | C              |

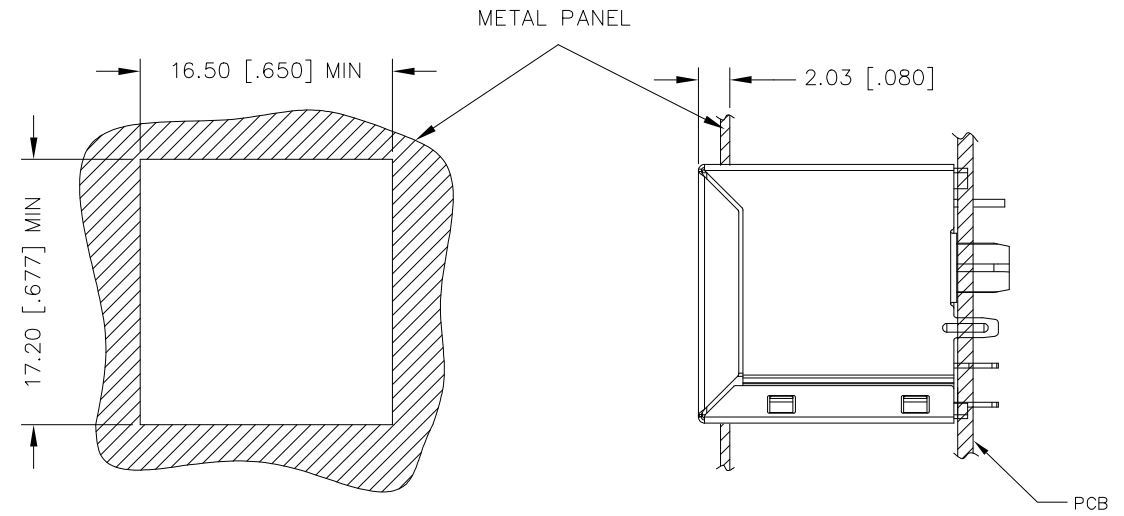
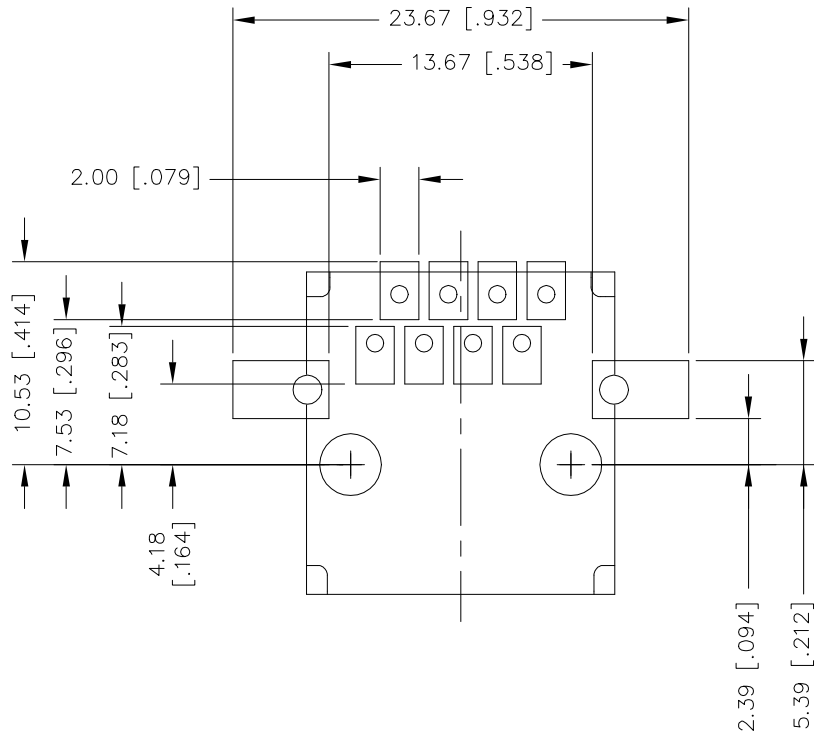


DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
X.XX=  $\pm 0.10$  [ $\pm 0.004$ ]

RECOMMENDED PWB LAYOUT  
(COMPONENT SIDE SHOWN)

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| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100D,1:1,TU | JXD2-9001NL-P1 | -          | 4 OF 6 | JXD2-9001NL | C              |

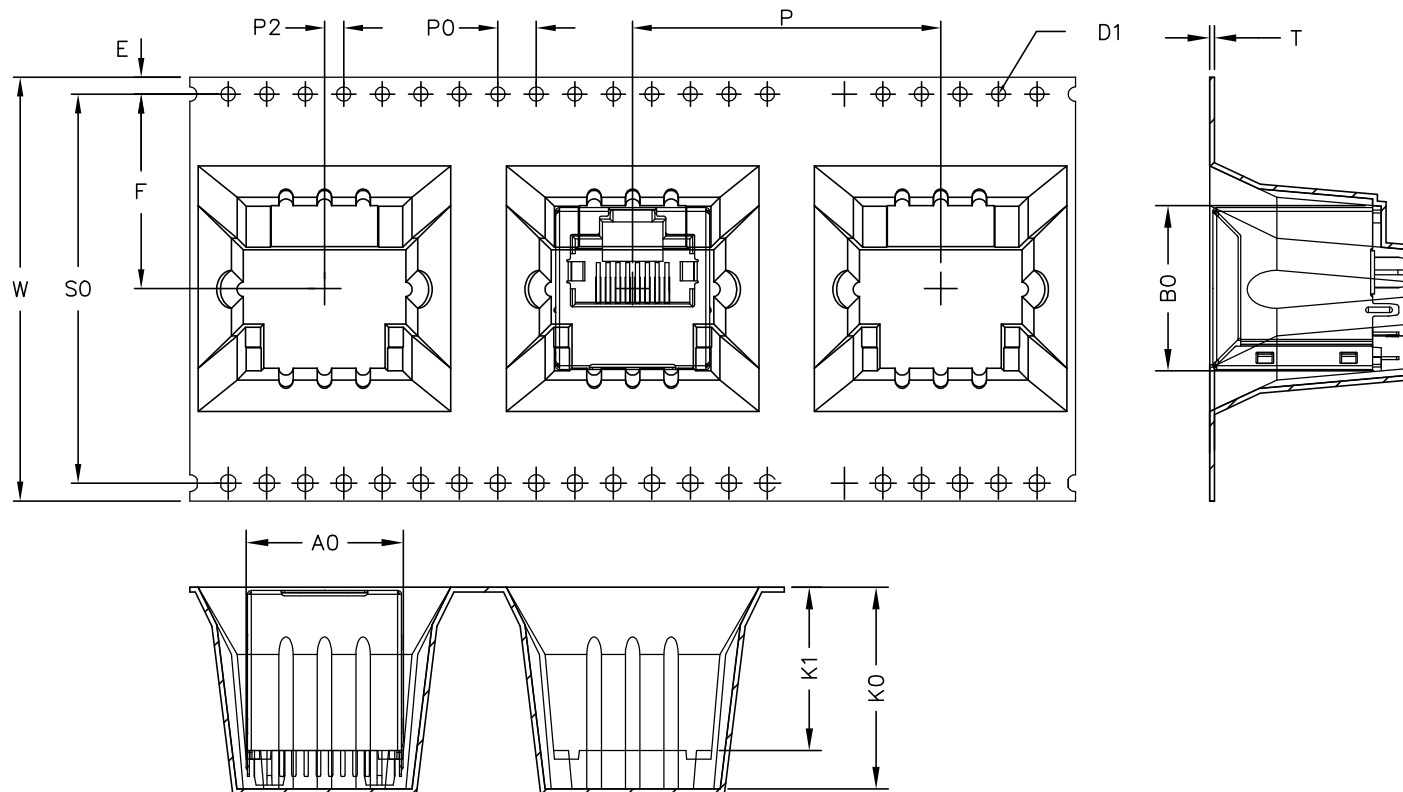


SUGGESTED PANEL CUTOUT

RECOMMENDED STENCIL DESIGN WITH 0.2mm THICKNESS  
BASE ON 1.6mm THICKNESS PCB  
(COMPONENT SIDE SHOWN)

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| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100D,1:1,TU | JXD2-9001NL-P1 | -          | 5 OF 6 | JXD2-9001NL | C              |



|    |             |    |  |        |            |       |            |
|----|-------------|----|--|--------|------------|-------|------------|
| W  | 44.00 ±0.30 | P  | 32.00 ±0.10                            | A0     | 16.40±0.15 | B0    | 17.17±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 <sup>+0.10</sup> <sub>-0.00</sub> | K0     | 20.95±0.20 | K1    | 16.95±0.15 |
| T  | 0.50 ±0.05  | D1 |  | SCALE: | 1:1        | UNIT: | mm         |

1. Material:Black Conductive Polystyrene Alloy.
2. Packing length per 13" reel:3.16 Meters.
- 3.Component load per 13"reel:80 pcs.  
5 Reel in on box  
400pcs in one box
- 4.All dimension meet EIA-481-D repuirements.

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|                           |                |            |        |             |                |
|---------------------------|----------------|------------|--------|-------------|----------------|
| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
| CONN,RJ45,1X1,100D,1:1,TU | JXD2-9001NL-P1 | -          | 6 OF 6 | JXD2-9001NL | C              |

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