

CZT

SPECIFICATION FOR APPROVAL

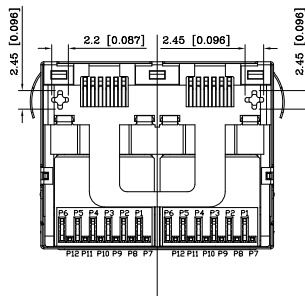
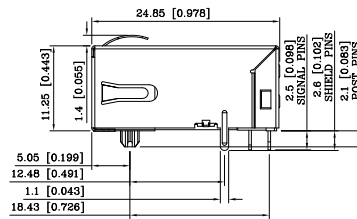
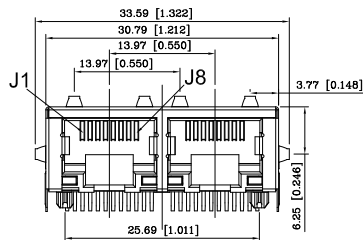
Customer Part No.:
CZT Part No.: JDGD23950000
Part Name: RJ45 ICM(1000Base-T 2Port)

Rev.: A



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch

Unless otherwise specified,all dimensions tolerances
is ± 0.254 / 0.010.

4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING:THERMOPLASTIC BLACK UL94 V-0
SHIELD:Brass
SHIELD PLATING:NICKEL
CONTACT:PHOSPHOR BRONZE
CONTACT PLATING:SELECTIVE GOLD , 30 MICRO-INCHS MIN IN CONTACT AREA
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX
- OPERATING TEMPERATURE $T=0^{\circ}\text{C}$ TO $+70^{\circ}\text{C}$.
- STORAGE TEMPERATURE $T=-40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.

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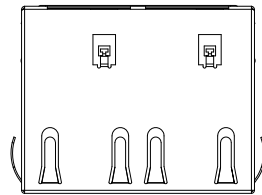
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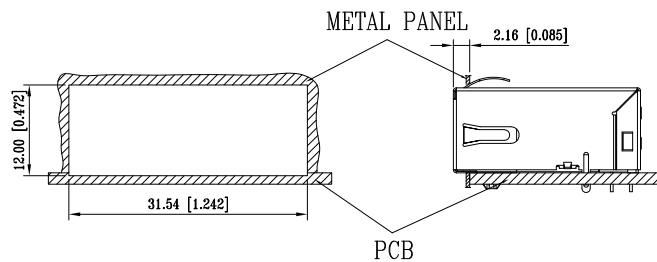


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:



Plug In Side

- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

CZT

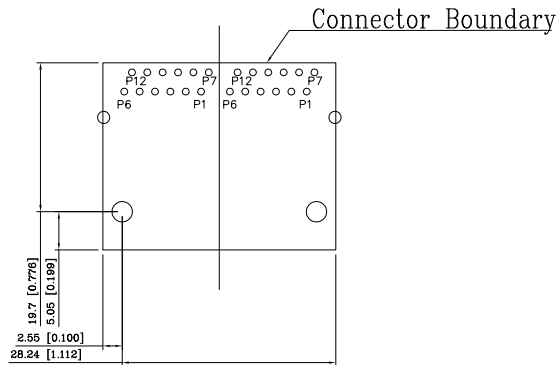
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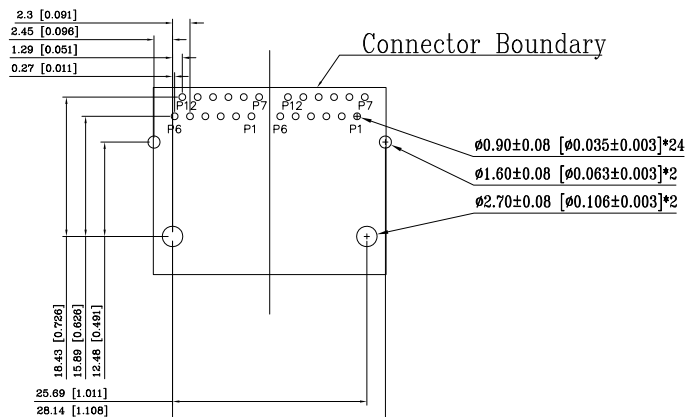
5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

Plug In Side

5-4. Recommended PWB Layout (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

Plug In Side

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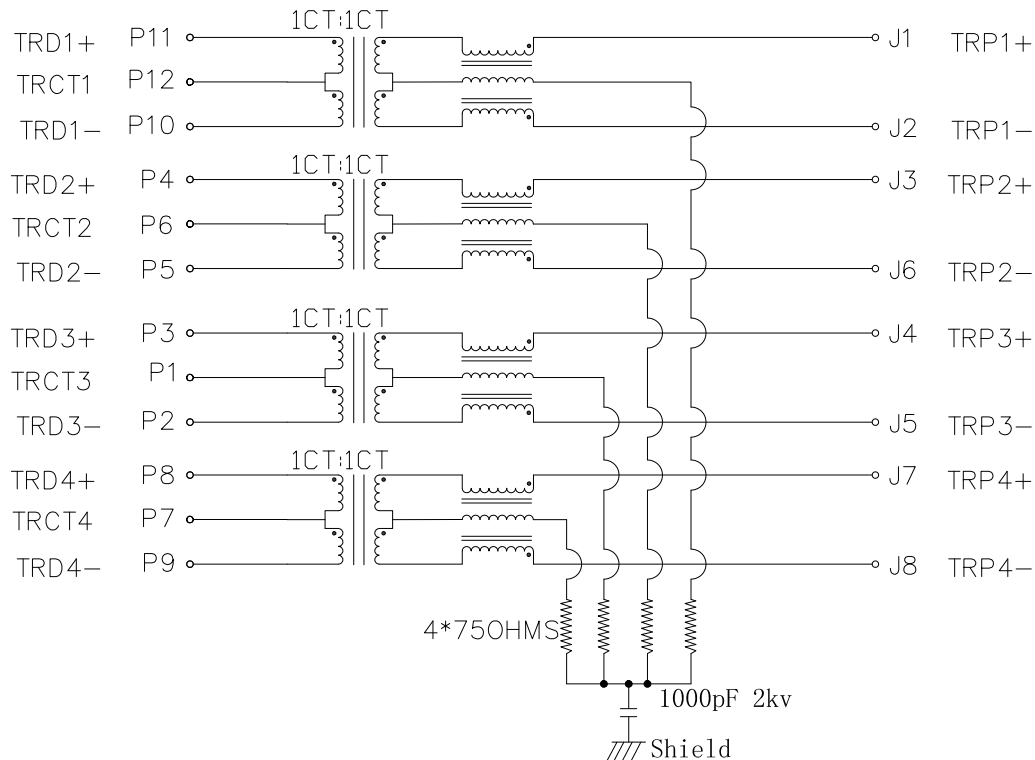
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6. Circuit Schematic and Electronical Specifications:

6-1. Port A Circuit Schematic:



6-2. Electronical Specifications:

- 1.0 Turn Ratio @100KHz: (P11~P10):(J1~J2) = 1:1±5%
(P4~P5):(J3~J6) = 1:1±5%
(P3~P2):(J4~J5) = 1:1±5%
(P8~P9):(J7~J8) = 1:1±5%
- 2.0 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- 3.0 DC Resistance: 1.5 OHMS MAX
- 4.0 Insertion Loss(dB MAX): 0.3-100MHz -1.0dB MAX.
- 5.0 Return Loss: @1-30MHz -18dB MIN.load 100 OHMS
@40MHz -18dB MIN.load 100 OHMS
@50MHz -16dB MIN.load 100 OHMS
@60-80MHz -12dB MIN.load 100 OHMS
@100MHz -10dB MIN.load 100 OHMS
- 6.0 CROSS TALK: @30MHz -45dB MIN
@60MHz -40dB MIN
@100MHz -35dB MIN
- 7.0 COMMON TO COMMON MODE ATTENUATION: @30MHz -43dB MIN
@60MHz -37dB MIN
@100MHz -33dB MIN
- 8.0 Isolation: PHY Side to Line Side: 2250VDC,60SEC