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SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ **REV.** _____

DESCRIPTION **RJ45 ICM (10/100 Base-T 1 Port)**

CZT'S PART NO. _____ **REV.** **A**

CZT OLD P/N _____

ISSUE NO. _____

ISSUE DATE **Jun.26,2014**

☐**APPROVE**D ☐**APPROVED UNDER THE CONDITIONS:**	☐**REJECTED:**

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SPECIFICATION FOR APPROVAL

2. Revision Change Record

Customer Part No.:	Rev.: A
Part Name: RJ45 ICM (10/100 Base-T 1 Port)	ROHS

Rev	Description	Drawn	Designed	Approved	Issue Date
A	New Release	Sunny shi	/	DaVid Chen	Jun,26.2014

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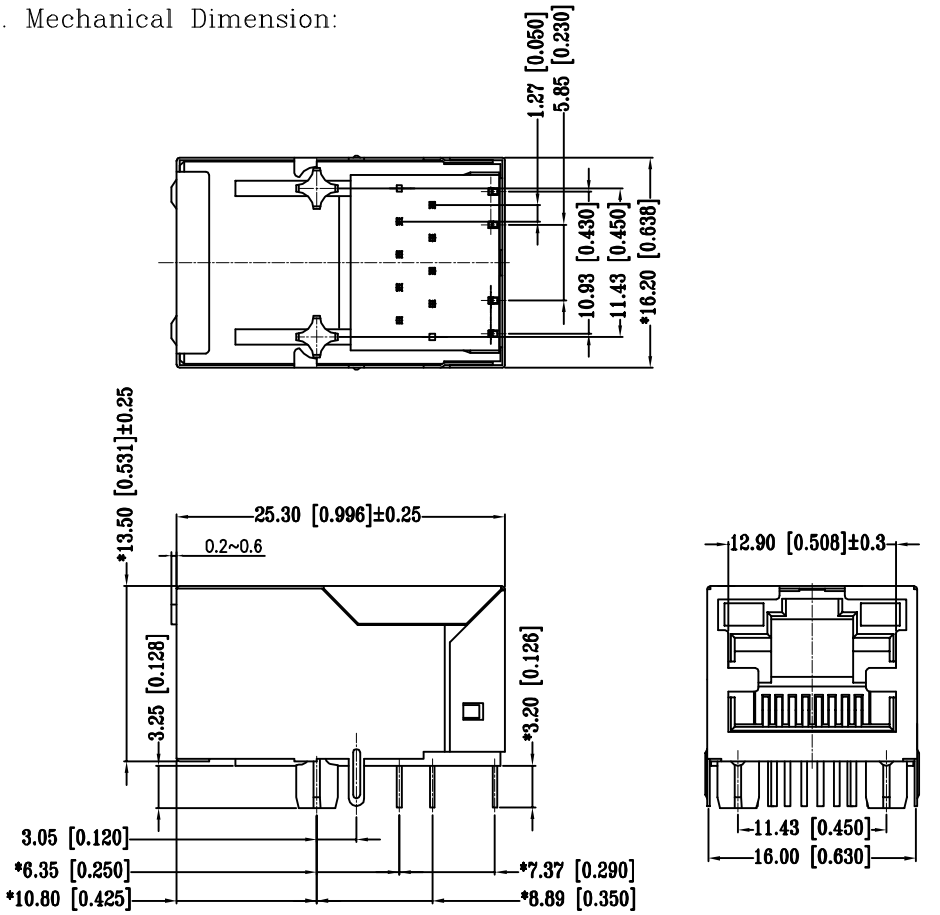
SPECIFICATION FOR APPROVAL

Customer Part No ·	Rev.: A
Part Name: RJ45 ICM (10/100 Base-T 1 Port)	ROHS

4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



4-2. Notes:

Unless otherwise specified,all dimensions tolerances is ±0.25 / 0.010.

1.CONNECTOR MATERIAL:
HOUISING:PA66 BLACK UL94 V-0
INSERT:PBT BLACK UL94 V-0
SHIELD:Brass
SHIELD PLATING:NICKEL
CONTACT:COOPER ALLOY
CONTACT PLATING:SELECTIVE GOLD,6 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 RECOMMENDDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260° C MAX,10 SECS MAX
5.OPERATING TEMPERATURE T=-40° C TO +85° C.
6.STORAGE TEMPERATURE T=-40° C TO +85° C.
7.All CRITICAL DIMENSIONS WITH "*"

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

Drawn by	Designed by	Approved by

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Customer Part No.:	Rev.: A
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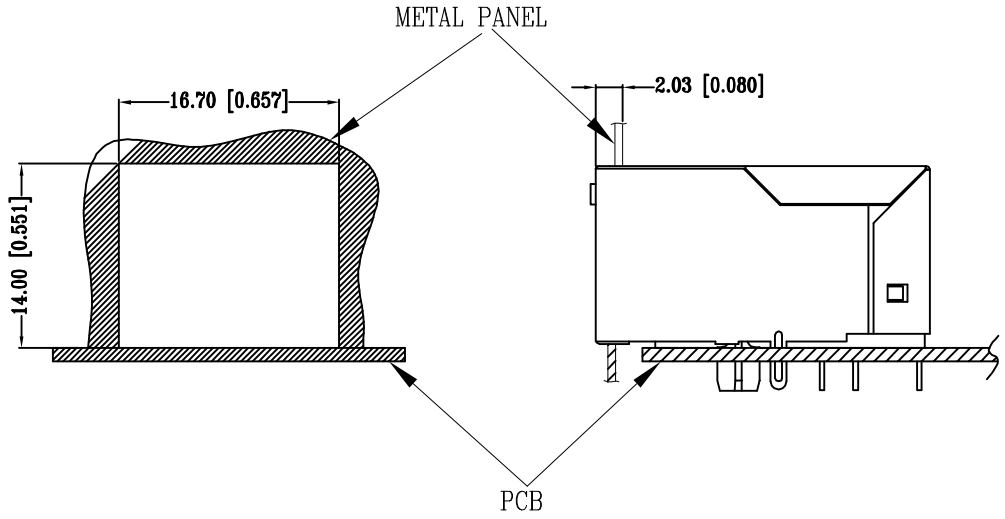
5. Label and Recommended PWB Layout and Suggested Panel Opening:

5-1. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ±0.10 / 0.004

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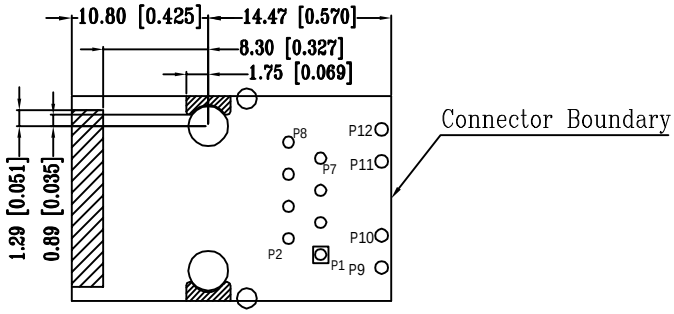
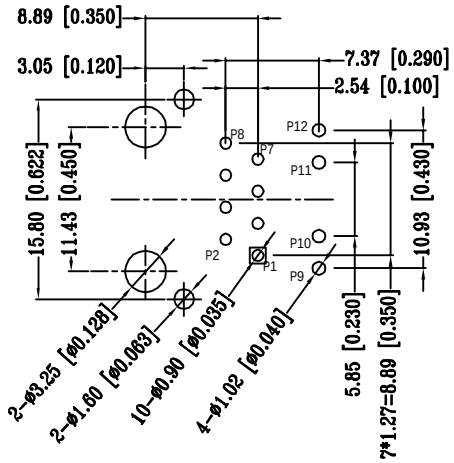
5-2. Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ±0.10 / 0.004

5-3. Recommended PWB Layout (Component Side View):



UNIT: mm / inch
Tolerances: ±0.10 / 0.004

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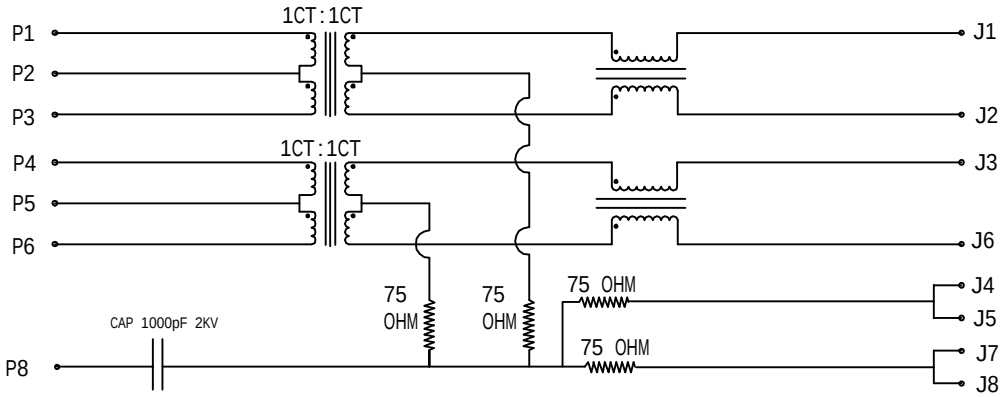
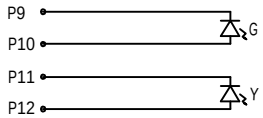
6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:





Pin	Green		Yellow
P9	-	P11	-
P10	+	P12	+

6-2. Electronical Specifications:

1.0 Turn Ratio @100KHz: (P1~P3):(J1~J2) = 1:1±5%
(P4~P6):(J3~J6) = 1:1±5%

2.0 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS

3.0 DC Resistance:(J1~J2):(J3~J6) 1.2 OHMS MAX

4.0 Insertion Loss: 1-100MHz -1.2dB MAX

5.0 Return Loss: 1-30MHz -16dB MIN
30-60MHz -12dB MIN
60-80MHz -10dB MIN

6.0 CROSS TALK: 1-100MHz -30dB MIN

7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN

8.0 Isolation: PHY Side to Line Side: 1500VAC or 2250VDC