SPECIFICATION FOR APPROVAL

CUSTOMER'S	S PART NO	REV			
DESCRIPTIO	NRJ45 +HDMI IO	5 +HDMI ICM(10/100 Base-T 1 Port)			
CZT'S PART I	NOJHF11001	.0704	REVA		
CZT OLD P/N					
ISSUE NO	15B-116)			
ISSUE DATE	APR.22,20	015			
	□APPROVED □APPROVED UNDER THE CONDITIONS:	□REJECTED):		

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Note:

- 1. This specification is the proprietary of Yihua Communicated Connector Co., Ltd. and is not allowed to be revealed to third party without any written approval.
- 2. This specification is valid within 1 year before approval, and for any updated specification information required, please contact with CZT's sales window before order releases.

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2. Revision Change Record

Customer Part No.: CZT Part No.: JHF110010704 Part Name: RJ45 +HDMI ICM(10/100 Base-T 1 Port)					Rev.: A	
						ROHS
Rev	Description	Drawn	Designed	Appro	ved	Issue Date
A	New Release	Sunny Shi	,	DaVid Ch	nen	APR.22.2015

SPECIFICATION FOR APPROVAL

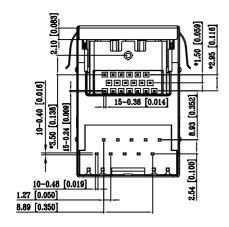
Customer Part No.:

CZT Part No.: JHF110010704

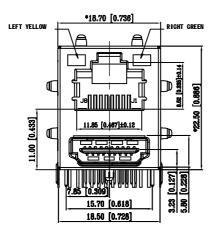
Part Name: RJ45 +HDMI ICM(10/100 Base-T 1 Port)

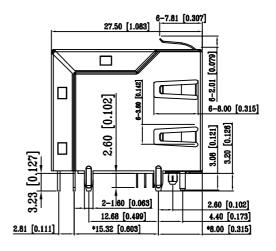
Rev.: A

4. Mechanical Dimension and Notes:



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





4-2. Notes:

1.CONNECTOR MATERIAL:

HOUISING:PA66 BLACK UL94 V-0 INSERTER: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 WAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
- 3.RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- 4. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING

TEMPERATURE IS 270° C MAX, 10 SECS MAX

- 5.OPERATING TEMPERATURE T=0° C TO +70° C.
- 6.STORAGE TEMPERATURE T=-40° C TO +85° C.
- 7.AII 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

SPECIFICATION FOR APPROVAL

Customer Part No.:

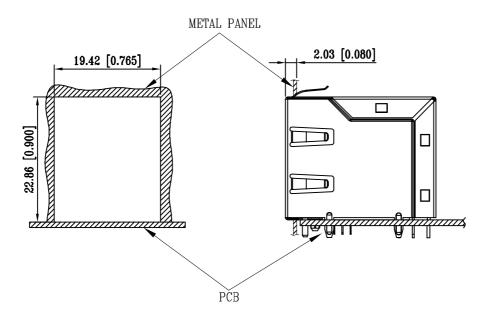
CZT Part No.: JHF110010704

Part Name: RJ45 +HDMI ICM(10/100 Base-T 1 Port)

Rev.: A

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

5−1. Suggested Panel Opening:



UNIT: mm / inch

Tolerances: $\pm 0.10 / 0.004$

REFERENCE ONLY

$\mathbb{C}\mathbb{Z}\mathbb{T}$

SPECIFICATION FOR APPROVAL

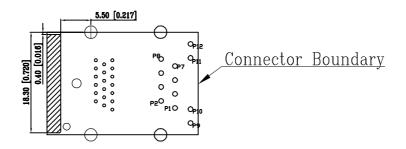
Customer Part No.:

CZT Part No.: JHF110010704

Part Name: RJ45 +HDMI ICM(10/100 Base-T 1 Port)

Rev.: A

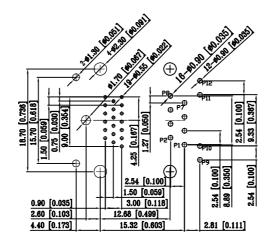
5-2. Keep-Out Area (Component Side View):



UNIT: mm / inch

Tolerances: $\pm 0.10 / 0.004$

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



UNIT: mm / inch

Tolerances: ± 0.10 / 0.004

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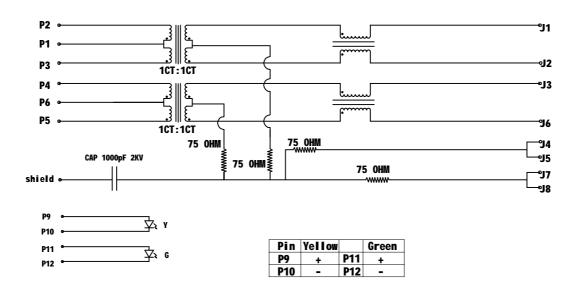
Customer Part No.:

CZT Part No.: JHF110010704

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Rev.: A

6. Circuit Schematic and Electronical Specifications: 6-1. Circuit Schematic:



6-2. Electronical Specifications:

1.0 Turn Ratio @100KHz: $(P2\sim P3):(J1\sim J2) = 1:1\pm 5\%$

 $(P4\sim P5):(J3\sim J6) = 1:1\pm 5\%$

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