



REV.	Change Content	Date
A	Initial Release	FEB.09.2018
B	Change The Housing	JUL.15.2020

NOTES: UNLESS OTHERWISE SPECIFIED

1. THIS COMPONENT CONFORMS TO UL60950.

<b>WARNING:</b> 	THIS COMPONENT IS RECOGNIZED BY ONE OR MORE SAFETY AGENCIES SUCH AS UL, VDE, CSA AND/OR TUV. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER QUALITY DEPARTMENT FOR SAFETY AGENCY COMPLIANCE.	ECN APPROVAL:
		QA APPROVAL:
		DATE:

2.

<b>NOTICE:</b> 	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.

3. ELECTRICAL CHARACTERISTICS:

- 3-1. VOLTAGE RATING: 48 VDC MAXIMUM
- 3-2. INSULATION RESISTANCE: 500 MEGOHMS MINIMUM

4. MECHANICAL

- 4-1. MATING FORCE: 5 POUNDS MAXIMUM WITH LATCH  
DEPRESSED AT AN ADVANTAGEOUS ANGLE  
UNMATING FORCE: 5 POUNDS MAXIMUM WITH LATCH  
DEPRESSED AT AN ADVANTAGEOUS ANGLE  
PLUG RETENTION FORCE: 10 POUNDS MINIMUM
- 4-2. DURABILITY (MATING/UNMATING): 750 CYCLES
- 4-3. INSERTION FORCE OF PCB RETENTION POSTS: 15 POUNDS MAX
- 4-4. OPERATING TEMPERATURE RANGE: 0 TO +70°C
- 4-5. STORAGE TEMPERATURE RANGE: -40 TO +85°C
- 4-6. SOLDER CONDITION: WAVE SOLDER 265±5°C FOR 10 SECONDS MAX

5. MATERIAL



- 5-1. HOUSING: THERMOPLASTIC UL 94V-0. LCP, BLACK
- 5-2. CONTACT BASE MATERIAL: PHOSPHOR BRONZE
- 5-3. CONTACT UNDERPLATE: 50-90 MICROINCHES DUCTILE NICKEL
- 5-4. CONTACT PLATING: GOLD, 30 MICROINCHES MIN IN CONTACT AREA
- 5-5. CONTACT STRUCTURE: SECONDARY BEND
- 5-6. SIGNAL SOLDER PINS: TIN PLATED
- 5-7. METAL SHIELD: 50-100 MICROINCHES NICKEL PLATING ON COPPER ALLOY
- 5-8. SHIELD PIN: SOLDER WITH MATTE TIN

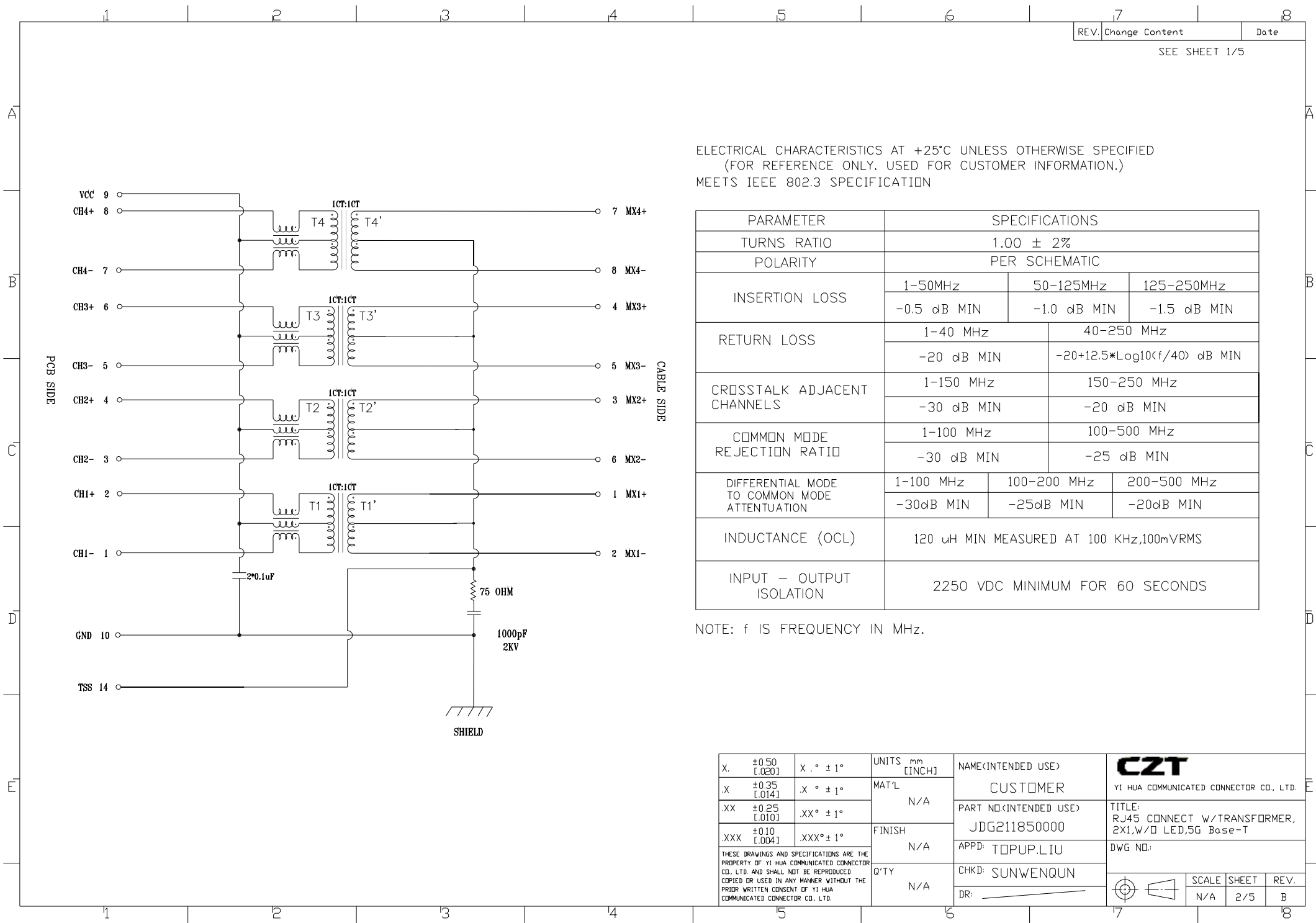
6. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F

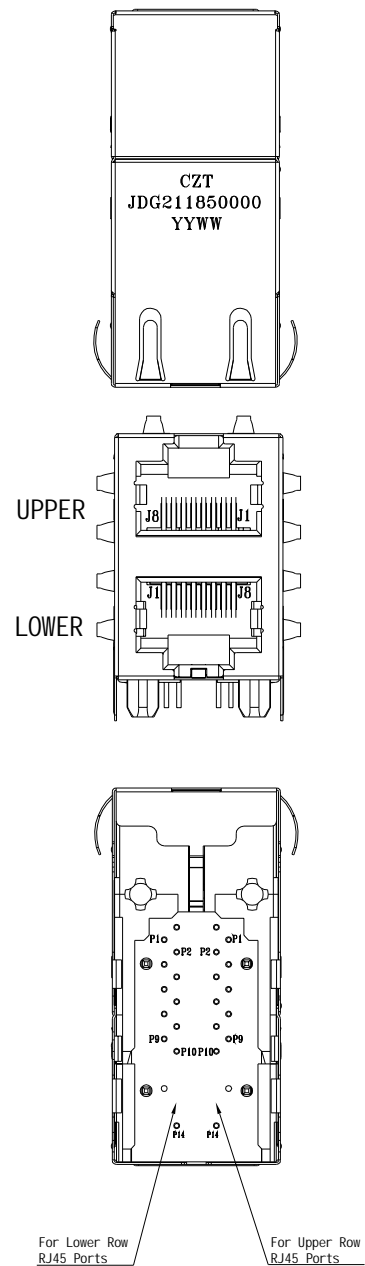
7. PCB PLATING: EG (TOP PCB)  
ENIG (BOTTOM PCB)

8. JEDEC MOISTURE: LEVEL 1.

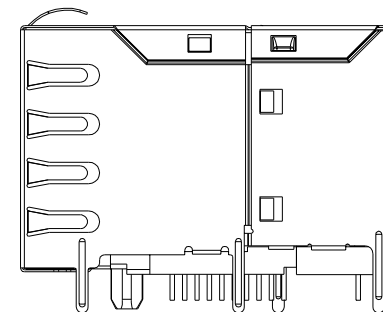
9. REVISION: MX1, MX2, ..... ARE PRELIMINARY.

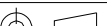
X. ±0.50 [.020]	X ° ±1°	UNITS mm [INCH]	NAME (INTENDED USE)	<b>CZT</b> YI HUA COMMUNICATED CONNECTOR CO., LTD.
.X ±0.35 [.014]	.X ° ±1°	MAT'L	CUSTOMER	
.XX ±0.25 [.010]	.XX ° ±1°	N/A	PART NO. (INTENDED USE)	TITLE: RJ45 CONNECT W/ TRANSFORMER, 2X1, W/O LED, 5G Base-T
.XXX ±0.10 [.004]	.XXX ° ±1°	FINISH	JDG211850000	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF YI HUA COMMUNICATED CONNECTOR CO., LTD. AND SHALL NOT BE REPRODUCED COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF YI HUA COMMUNICATED CONNECTOR CO., LTD.		Q'TY	APPD: TOPUP.LIU	DWG NO.:
		N/A	CHKD: SUNWENQUN	
			DR: _____	 
				SCALE N/A SHEET 1/5 REV. B

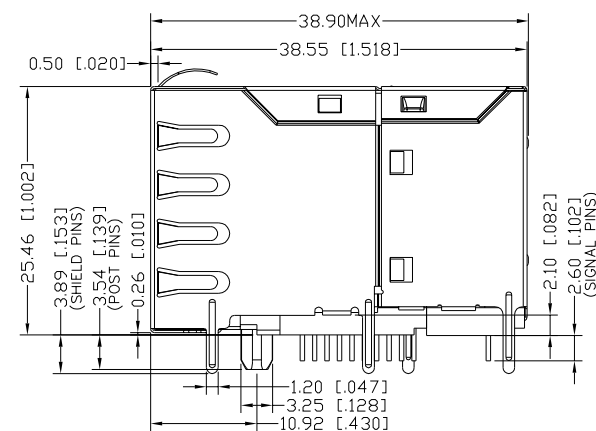
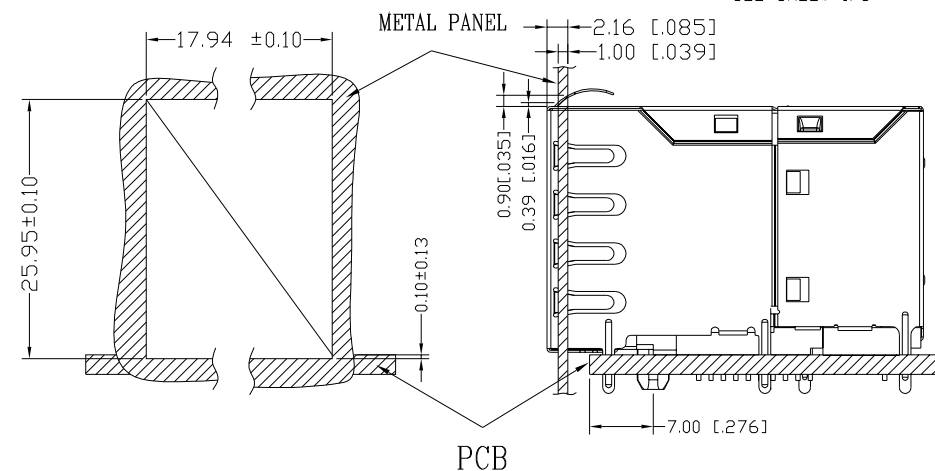
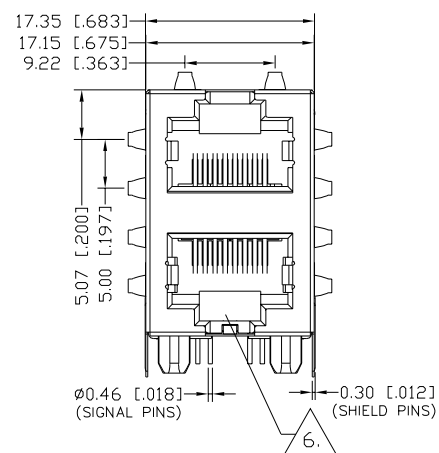
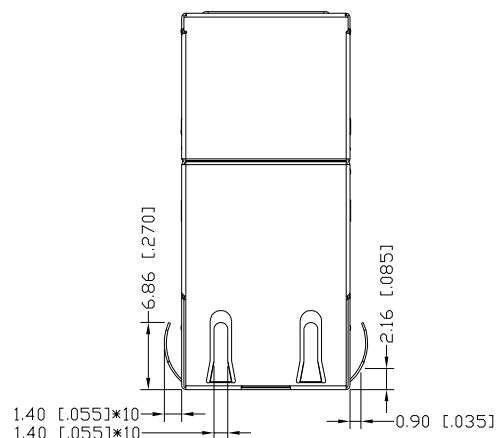


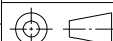
For Lower Row  
RJ45 PortsFor Upper Row  
RJ45 Ports

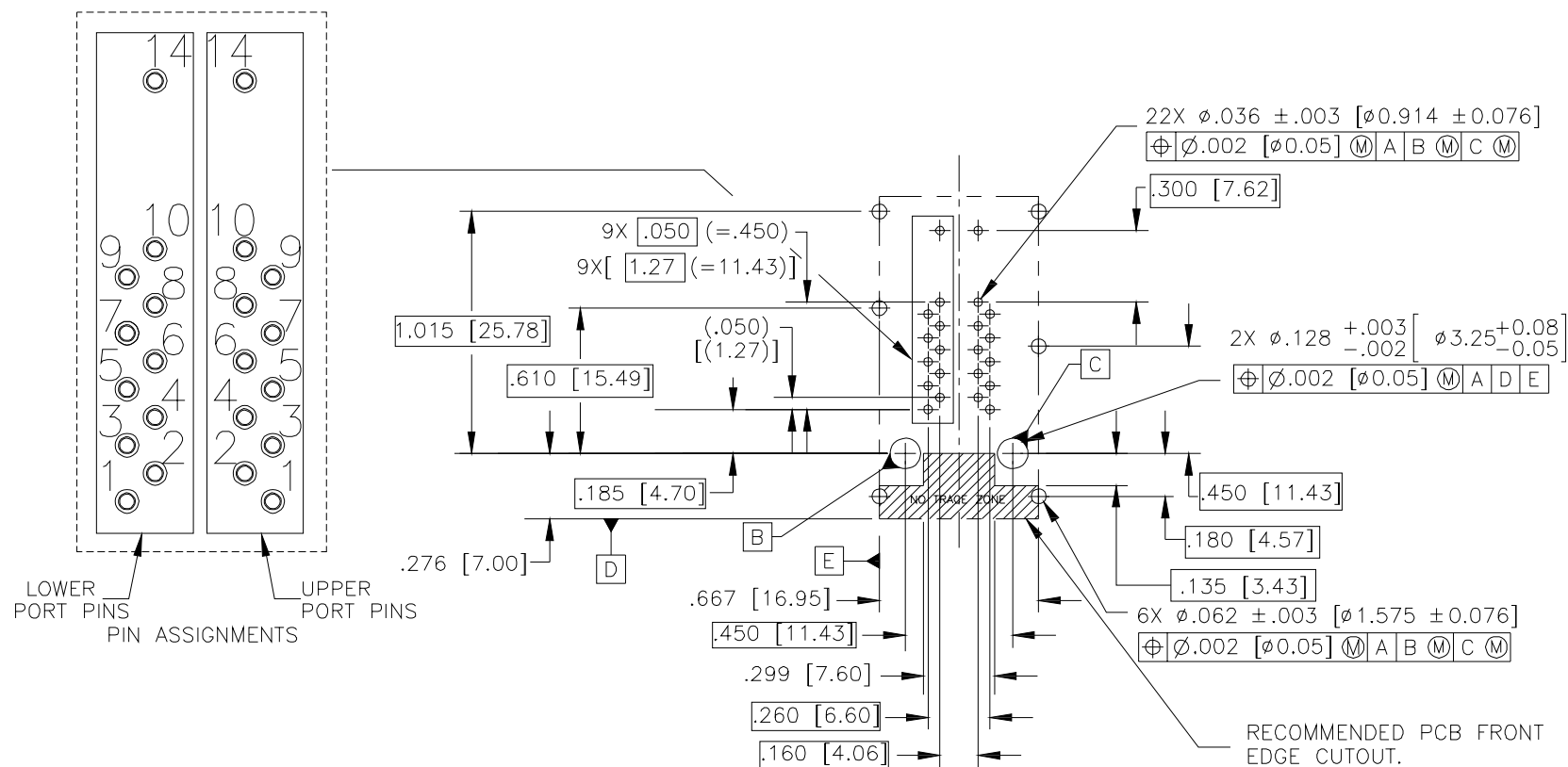
FINAL OUTLINE



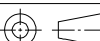
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.XX ±0.25 [.010]	.XX° ± 1°	FINISH N/A	PART NO.(INTENDED USE)	TITLE:	
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			CHKD: SUNWENQUN		
Q'TY N/A		DR: _____	SCALE SHEET REV.		
			N/A 3/5 B		



X.	±0.50 [0.020]	X ° ±1°	UNITS mm [INCH]	NAME(INTENDED USE)	<b>CZT</b> YI HUA COMMUNICATED CONNECTOR CO., LTD.
.X	±0.35 [0.014]	X ° ±1°	MAT'L	CUSTOMER	
.XX	±0.25 [0.010]	.XX ° ±1°	N/A	PART NO.(INTENDED USE)	TITLE: RJ45 CONNECT W/TRANSFORMER, 2X1,W/O LED,5G Base-T
.XXX	±0.10 [0.004]	.XXX ° ±1°	FINISH	JDG211850000	DWG NO:
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				CHKD: SUNWENQUN	
				Q'TY	SCALE SHEET REV.
				N/A	N/A 4/5 B



RECOMMENDED PCB LAYOUT  
(VIEWED FROM COMPERNENT SIDE)

X. ±0.25 [.010]	X .° ±1°	UNITS mm [INCH]	NAME<INTENDED USE>	<div>CZT</div> <div>YI HUA COMMUNICATED CONNECTOR CO., LTD</div>									
.X ±0.10 [.004]	.X ° ±1°	MAT'L	CUSTOMER										
.XX ±0.05 [.002]	.XX° ±1°	N/A	PART NO.<INTENDED USE>	TITLE: RJ45 CONNECT w/TRANSFORMER, 2X1,W/D LED,5G Base-T									
.XXX ±0.03 [.001]	.XXX° ±1°	FINISH	JDG211850000	DWG NO.:									
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		N/A	5/5	B									
Q'TY	CHKD: SUNWENQUN												
		N/A	DR: _____										