

REV.	Change Content	Date
A	Initial Release	JUN.22.2018
B	Change The Appearance	NOV.14.2018

NOTES: UNLESS OTHERWISE SPECIFIED

1. THIS COMPONENT CONFORMS TO UL60950.

	WARNING: 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:

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

3. ELECTRICAL CHARACTERISTICS:

- 3-1. VOLTAGE RATING: 48 VDC MAXIMUM
 3-2. INSULATION RESISTANCE: 500 MEGOHMS MINIMUM
 3-3. RATED CURRENT: 835mA MAXIMUM (POE)

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: 20 POUNDS MINIMUM
- 4-2. DURABILITY (MATING/UNMATING): 750 CYCLES
- 4-3. INSERTION FORCE OF PCB RETENTION POSTS: 15 POUNDS MAX
- 4-4. CONTACT RESISTANCE: 30 mOHMS
- 4-5. NORMAL FORCE: 100GRAM FORCE MINIMUM PER FCC PART 68.
- 4-6. OPERATING TEMPERATURE RANGE: -40 TO +85°C
- 4-7. STORAGE TEMPERATURE RANGE: -50 TO +125°C
- 4-8. COMPLIANCE TO J-STD:
- A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
- B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
- C. J-STD-075: W7. 270°C MAXIMUM THROUGH WAVE SOLDER
- D. J-STD-075: R4. 260°C MAXIMUM THROUGH REFLOW SOLDER

5. MATERIAL

- 5-1. HOUSING: THERMOPLASTIC UL 94V-0. 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. SOLDER TAIL PLATING MATERIAL: 100-200 MICROINCHES MATTE TIN MIN OVER 50 MICROINCHES NICKEL, MATTE FINISH
 5-7. METAL SHIELD: 50-100 MICROINCHES NICKEL PLATING ON COPPER ALLOY
 5-8. SHIELD PIN: TIN DIPPING

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

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

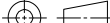
8. JEDEC MOISTURE: LEVEL 1.

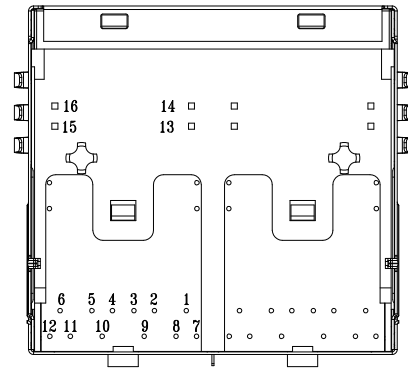
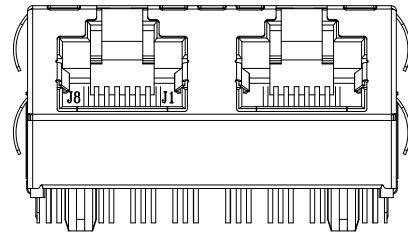
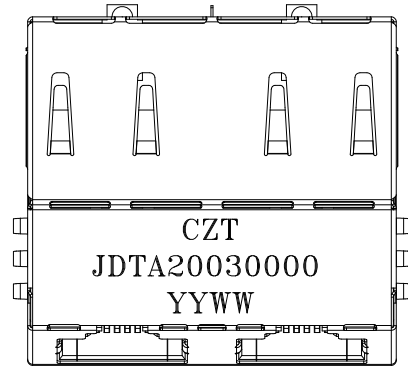
9. REVISION: MX1, MX2, ARE PRELIMINARY.

X.	±0.50 [.020]	X ° ±1°	UNITS mm [INCH]	NAME (INTENDED USE)	CZT 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, 1X2, W/O LED, 10G Base-T
.XXX	±0.10 [.004]	.XXX ° ±1°	FINISH	JDTA20030000	
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 SHEET REV. N/A 1/5 B

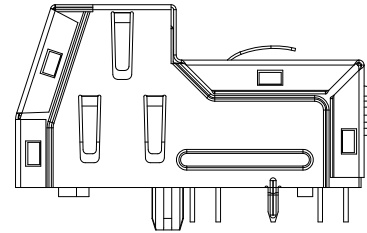


NOTE: f IS FREQUENCY IN MHz.

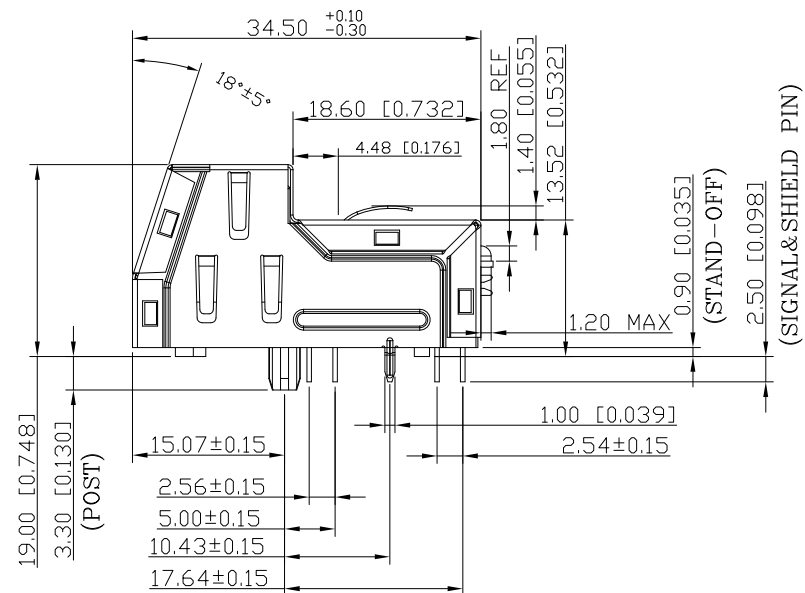
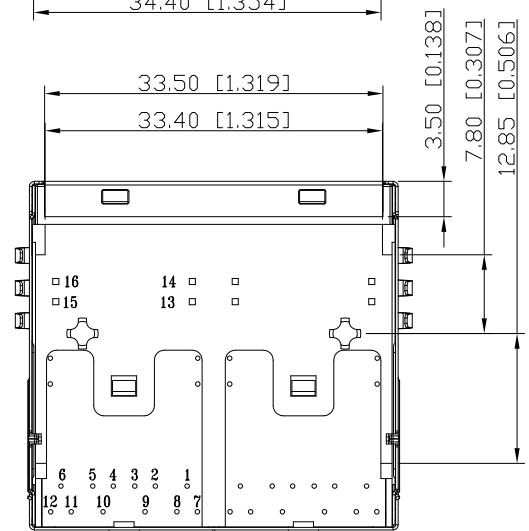
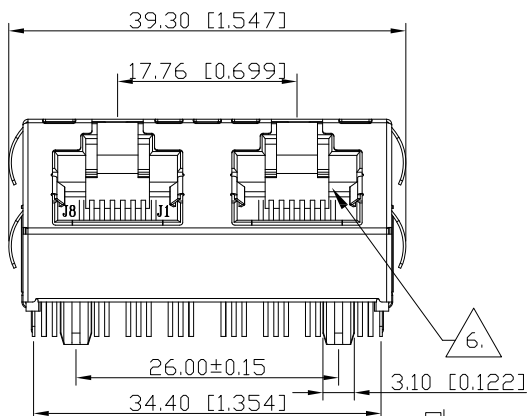
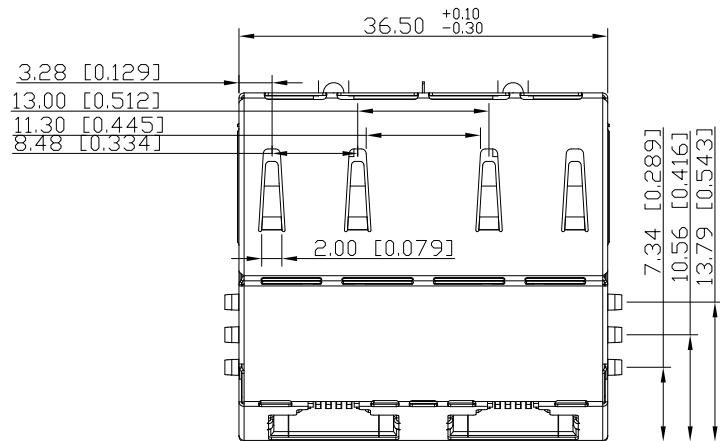
X. ± 0.50 [.020]	X. ° $\pm 1^\circ$	UNITS $\frac{\text{mm}}{[INCH]}$	NAME(INTENDED USE)	CZT									
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		Q'TY	CHKD: SUNWENQUN	 <table data-bbox="1984 1498 2172 1520"><tr><td>SCALE</td><td>SHEET</td><td>REV.</td></tr><tr><td>N/A</td><td>2/5</td><td>B</td></tr></table>				SCALE	SHEET	REV.	N/A	2/5	B
		SCALE	SHEET					REV.					
N/A	2/5	B											
N/A	DR: _____												

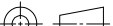


FINAL OUTLINE

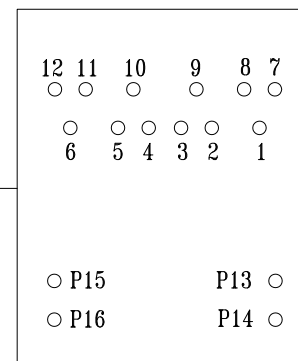
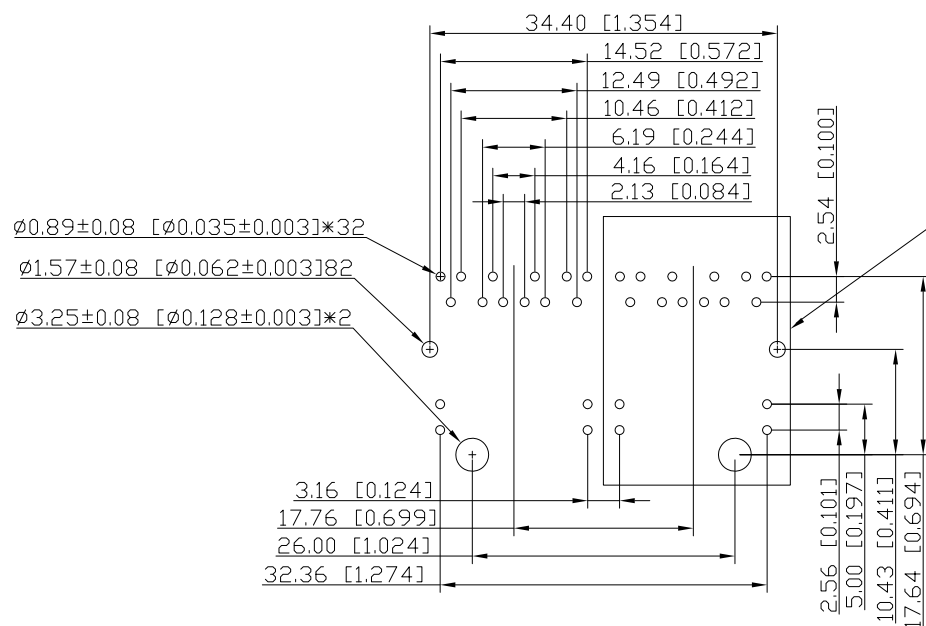


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				DR: _____	
					SCALE SHEET REV. N/A 3/5 B



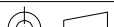
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.XXX	±0.10 [.004]	.XXX° ± 1°	FINISH	JDTA20030000	
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			Q'TY	CHKD: SUNWENQUN	
			N/A	DR: _____	

- 1 MDCT1
- 2 MD2+
- 3 MD2-
- 4 MD3+
- 5 MD3-
- 6 MDCT4
- 7 MD1+
- 8 MD1-
- 9 MDCT2
- 10 MDCT3
- 11 MD4+
- 12 MD4-
- 13 P12
- 14 P36
- 15 P45
- 16 P78



PIN ASSIGNMENT,EACH PORT
VIEWED FROM COMPONENT SIDE
(ONLY RIGHTMOST PORT SHOWN)

RECOMMENDED PCB LAYOUT
(VIEWED FROM COMPONENT SIDE)

X. ± 0.25 [.010]	X. ° $\pm 1^\circ$	UNITS $\frac{\text{mm}}{[INCH]}$	NAME<INTENDED USE> CUSTOMER	CZT YI HUA COMMUNICATED CONNECTOR CO., LTD.			
.X ± 0.10 [.004]	.X. ° $\pm 1^\circ$	MAT'L N/A	PART NO.<INTENDED USE> JDTA20030000	TITLE: RJ45 CONNECT W/TRANSFORMER, 1X2,W/O LED,10G Base-T			
.XX ± 0.05 [.002]	.XX° $\pm 1^\circ$	FINISH N/A	APPD: TOPUP.LIU	DWG NO.:			
.XXX ± 0.03 [.001]	.XXX° $\pm 1^\circ$	Q'TY N/A	CHKD: SUNWENQUN		SCALE	SHEET	REV.
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