

REV.	Change Content	Date
A	Initial Release	DEC.16.2013
B	DELETE LED	DEC.24.2013
C	Change the EMI Finger	JAN.02.2014
D	Change USB Housing Colour And Operating Temperature	FEB.28.2014

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:

2.

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. CURRENT RATING: 1.5 AMPERES MAXIMUM
- 3-2. VOLTAGE RATING: 150 VAC MAXIMUM
- 3-3. INSULATION RESISTANCE: 500 MEGAOHMS MINIMUM
- 3-4. DIELECTRIC WITHSTANDING VOLTAGE: 2250 VDC CONTACT TO SHIELD

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: -40 TO +85°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. RJ45 HOUSING: THERMOPLASTIC UL 94V-0. PBT, BLACK
- 5-2. USB HOUSING: THERMOPLASTIC UL 94V-0. PBT, BLACK
- 5-3. CONTACT BASE MATERIAL: PHOSPHOR BRONZE
- 5-4. CONTACT UNDERPLATE: 50-90 MICROINCHES DUCTILE NICKEL
- 5-5. CONTACT PLATING: GOLD, 30 MICROINCHES MIN IN CONTACT AREA
- 5-6. CONTACT STRUCTURE: SECONDARY BEND
- 5-7. SOLDER TAIL PLATING MATERIAL: 100-200 MICROINCHES MATTE TIN MIN OVER 50 MICROINCHES NICKEL, MATTE FINISH
- 5-8. METAL SHIELD: 50-100 MICROINCHES NICKEL PLATING ON COPPER ALLOY
- 5-9. SHIELD PIN: SOLDER WITH MATTE TIN

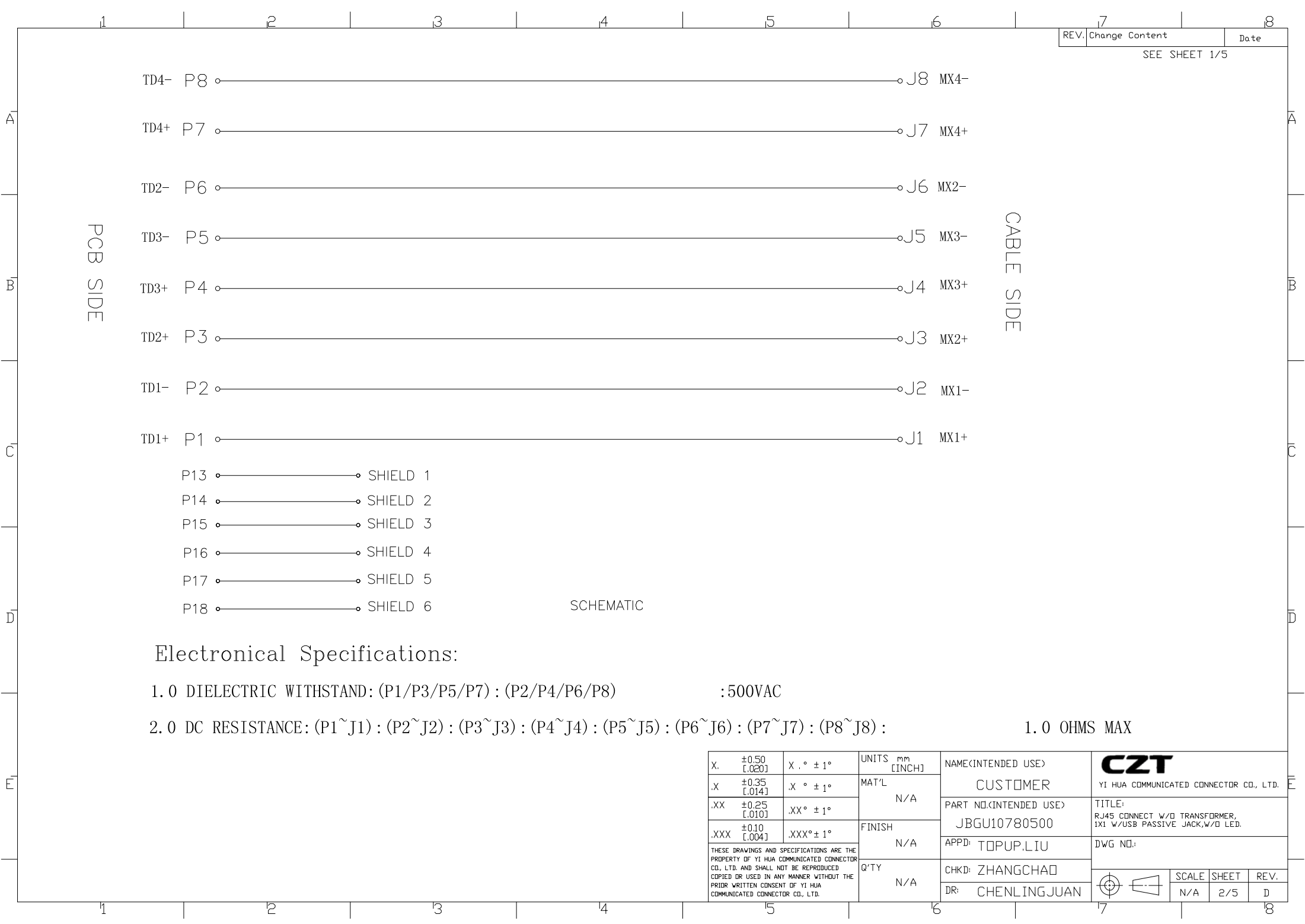
6. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F

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)	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:
.XXX	±0.10 [.004]	.XXX ° ±1°	FINISH	JBGU10780500	RJ45 CONNECT W/O TRANSFORMER, 1X1 W/USB PASSIVE JACK, W/O LED.
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.			N/A	APPD: TOPUP.LIU	DWG NO.:
			Q'TY	CHKD: ZHANGCHAO	
			N/A	DR: CHENLINGJUAN	
					 
					SCALE SHEET REV.
					N/A 1/5 D



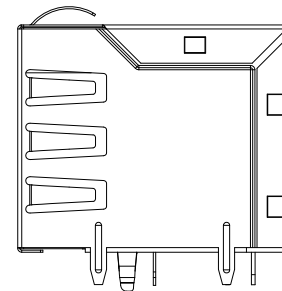
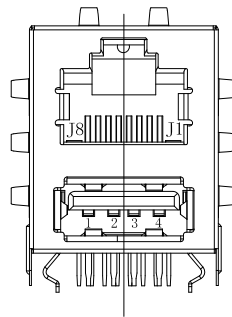
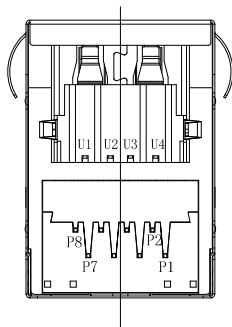
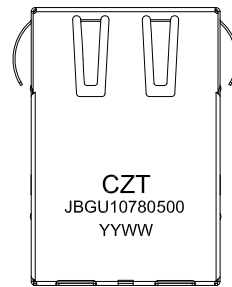
REV.	Change Content	Date
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SEE SHEET 1/5

Electronical Specifications:

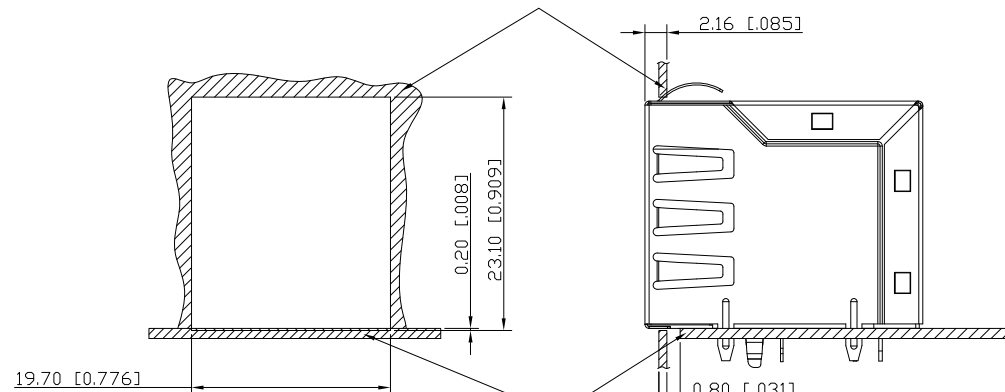
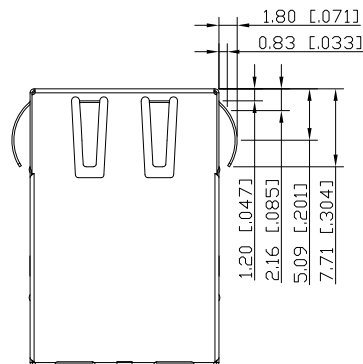
1. 0 DIELECTRIC WITHSTAND: (P1/P3/P5/P7) : (P2/P4/P6/P8) :500VAC
2. 0 DC RESISTANCE: (P1~J1) : (P2~J2) : (P3~J3) : (P4~J4) : (P5~J5) : (P6~J6) : (P7~J7) : (P8~J8) : 1. 0 OHMS MAX

X.	±0.50 [.020]	X . ° ± 1°	UNITS mm [INCH]	NAME<INTENDED USE>	CZT YI HUA COMMUNICATED CONNECTOR CO., LTD.			
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.XX	±0.25 [.010]	.XX ° ± 1°	N/A	PART NO.<INTENDED USE>	TITLE: RJ45 CONNECT W/D TRANSFORMER, 1X1 W/USB PASSIVE JACK,W/D LED.			
.XXX	±0.10 [.004]	.XXX ° ± 1°	FINISH	JBGU10780500	APPD: TOPUP.LIU			
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				DR: CHENLINGJUAN				
						SCALE	SHEET	REV.
						N/A	2/5	D

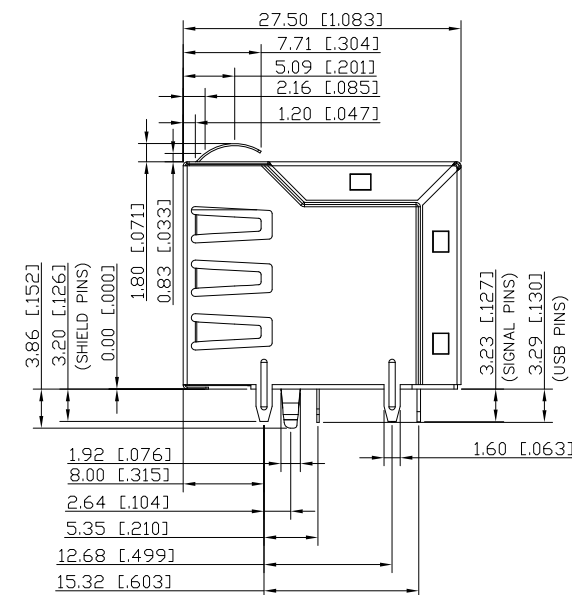
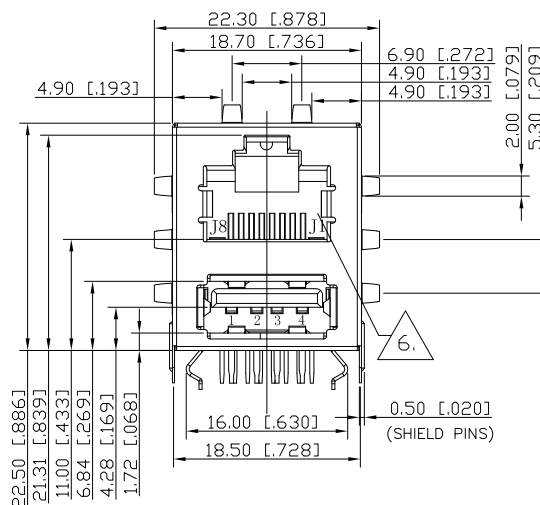
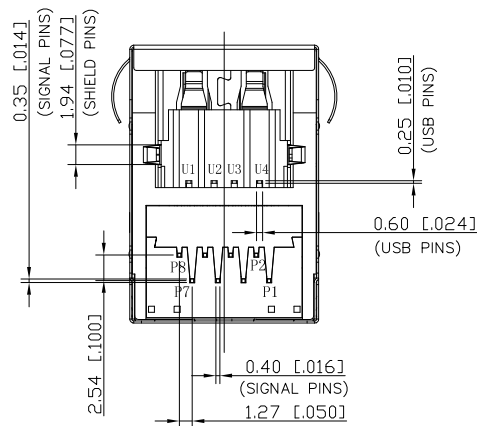


X.	± 0.50 [.020]	X .° $\pm 1^\circ$	UNITS mm [INCH]	NAME<INTENDED USE>	CZT YI HUA COMMUNICATED CONNECTOR CO., LTD.
.X	± 0.35 [.014]	X .° $\pm 1^\circ$	MAT'L	CUSTOMER	
.XX	± 0.25 [.010]	.XX° $\pm 1^\circ$	N/A	PART NO.<INTENDED USE>	TITLE: RJ45 CONNECT W/O TRANSFORMER, 1X1 W/USB PASSIVE JACK,W/O LED.
.XXX	± 0.10 [.004]	.XXX° $\pm 1^\circ$	FINISH	JBGU10780500	
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			Q'TY	CHKD: ZHANGCHAO DR: CHENLINGJUAN	
					SCALE SHEET REV. N/A 3/5 D

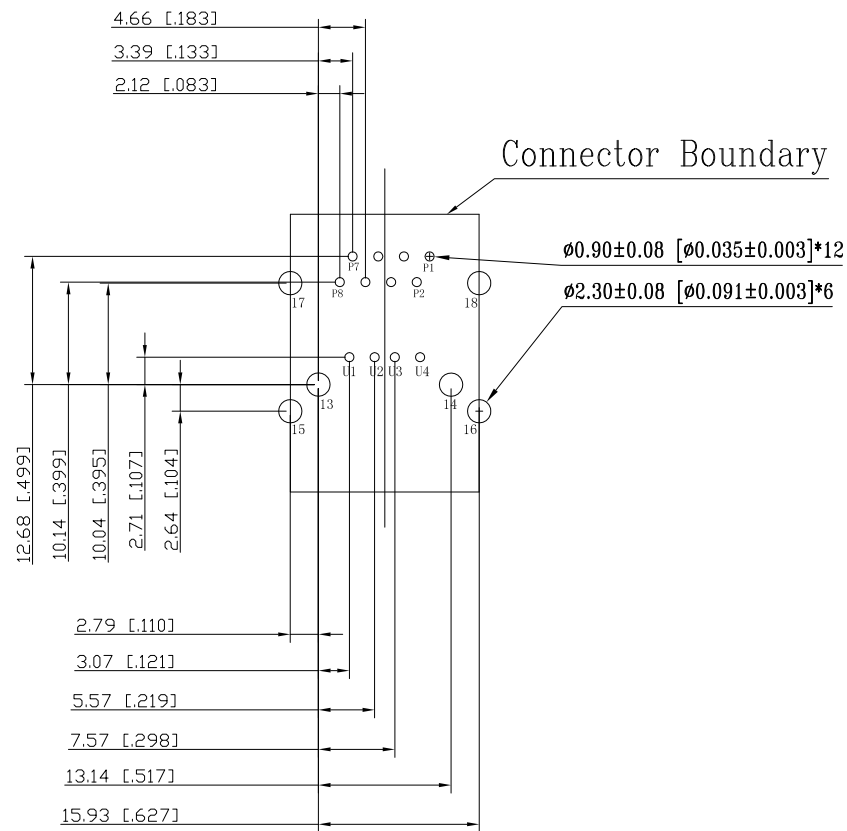
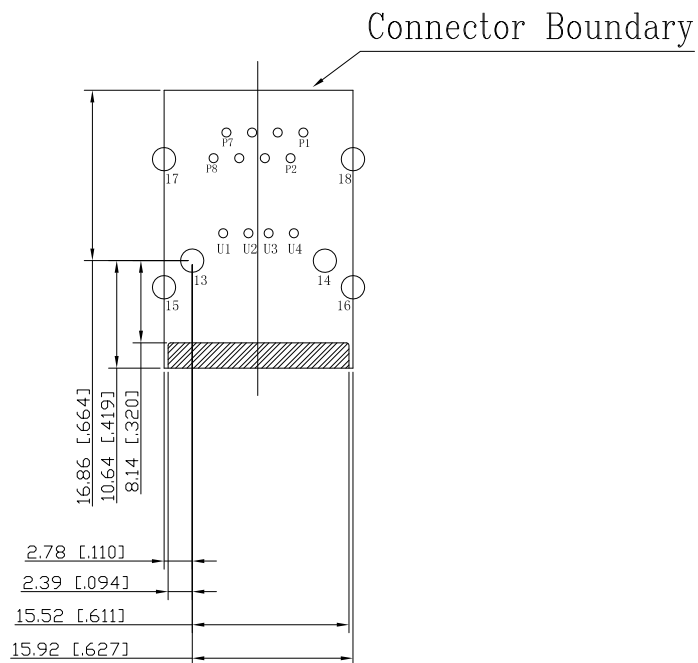
METAL PANEL



PCB



X.	±0.50 [0.020]	X ° ± 1°	UNITS mm [INCH]	NAME<INTENDED USE>	CZT 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/D TRANSFORMER, 1X1 W/USB PASSIVE JACK,W/D LED.
XXX	±0.10 [0.004]	XXX ° ± 1°	FINISH	JBGU10780500	
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				CHKD: ZHANGCHAO	
				Q'TY N/A	
				DR: CHENLINGJUAN	SCALE N/A SHEET 4/5 REV. D



RECOMMENDED PCB LAYOUT
(VIEWED FROM COMPONENT SIDE)

X.	± 0.25 [.010]	X .° ± 1°	UNITS mm [INCH]	NAME (INTENDED USE)	CZT YI HUA COMMUNICATED CONNECTOR CO., LTD.
.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/O TRANSFORMER, 1X1 W/USB PASSIVE JACK, W/O LED.
.XXX	± 0.03 [.001]	.XXX° ± 1°	FINISH	JBGU10780500	
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			Q'TY	CHKD: ZHANGCHAO DR: CHENLINGJUAN	
					SCALE SHEET REV. N/A 5/5 D