| 1 | 2 | 3 | 4 | | | 6 | 7 | 8 |
|---------------|---|--------------------|-----------|--|----------------|---------------------|-----------------------|---------------------|
| | | | | | | | REV. Change Content | Date |
| | | | | | | | A Initial Release | FEB.09.2018 |
| | | | | | | | B Change The Housing | JUL.15.2020 |
| NOTES: UNLESS | OTHERWISE SPECIFIED | | | | | | | |
| 1. THIS COMP | ONENT CONFORMS TO UL60950 |). | 5 | MATERIAL | | | | |
| | | ECN | APPROVAL: | 5-1. HOUSING: THERMOP | LASTIC UL 94 | V-0. LCP, BLAC | К | |
| | THIS COMPONENT IS RECOGNIZ MORE SAFETY AGENCIES SUCH | ED BI UNE UR | PPROVAL: | 5-2. CONTACT BASE MA | TERIAL: PHOSE | PHOR BRONZE | | |
| | CSA AND/OR TUV. ALL ENGIN | | | 5-3. CONTACT UNDERPL | ATE: 50-90 MI | CROINCHES DUC | TILE NICKEL | |
| | MUST HAVE PRIOR APPROVAL | BY THE DESIGN | | 5-4. CONTACT PLATING | : GOLD,30 MICF | ROINCHS MIN IN | CONTACT AREA | |
| | CENTER QUALITY DEPARTMENT AGENCY COMPLIANCE. | FOR SAFELY | | 5-5. CONTACT STRUCTL | JRE: SECONDAR | Y BEND | | |
| | | | | 5-6. SIGNAL SOLDER P | INS: TIN PLAT | ED | | |
| 2. | | | | 5-7. METAL SHIELD: 50 | -100 MICROINC | HES NICKEL PLA | ATING ON COPPER AI | LLOY |
| NOTICE: T | HIS IS A ROHS COMPLIANT | | | 5-8. SHIELD PIN: SOLD | ER WITH MATT | ETIN | | |
| 0 | COMPONENT/PRODUCT. | | ^ | | | | | |
| | ALL ENGINEERING CHANGES /UST HAVE PRIOR APPROVAL | | 6 | JACK CAVITY CONFORM! | S TO FCC RUL | ES AND REGULA | TIONS PART 68 SUE | BPART F |
| | BY THE DESIGN CENTER, | | 7 | PCB PLATING: EG (TOP | | | | |
| | | | | ENIG (B | OTTOM PCB) | | | |
| | | | 8 | JEDEC MOISTURE: LEVE | L 1. | | | |
| 3. ELECTRICAL | CHARACTERISTICS: | | 9 | REVISION: MX1,MX2, | ARE PRELIM | | | |
| 3-1. VOLTA | GE RATING: 48 ∨DC MAXIMUM | | , | | | | | |
| 3-2. INSULA | ATION RESISTANCE: 500 MEGADI | HMS MINIMUM | | | | | | |
| 4. MECHANICAL | | | | | | | | |
| | FORCE: 5 POUNDS MAXIMUM W | | | | | | | |
| | SSEDAT AN ADVANTAGEDUS AN | | | | | | | |
| | ING FORCE: 5 POUNDS MAXIMUM | | | | | | | |
| | SSEDAT AN ADVANTAGEDUS AN | | | | | | | |
| | RETENTION FORCE: 10 POUNDS | | | | | | | |
| | LITY (MATING/UNMATING): 7500 | | | | | | | |
| | ION FORCE OF PCB RETENTION | | 1AX | | | | | |
| 4-4. OPERAT | ING TEMPERATURE RANGE: 0 T | □ +70°C | | | | | | |
| 4-5. STORAC | 5E TEMPERATURE RANGE: -40 T | □ +85°C | | | | | | |
| 4-6. SOLDER | CONDITION: WAVE SOLDER 26 | 5±5°C FOR 10 SECON | DS MAX | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | UNITS | | | |
| | | | | X. <u>±0.50</u> [.020] X.°±1 | LINCIN | NAME(INTENDED USE) | CZT | |
| | | | | .X ±0.35 [.014] .X ° ± 1° | | CUSTOMER | C YI HUA COMMUNICATED | CONNECTOR CO., LTD. |
| | | | | .XX ±0.25 [.010] .XX° ± 1° | , N/A | PART NO.(INTENDED U | RJ45 CONNECT \ | ₩/TRANSFORMER |
| | | | | .XXX ±0.10 .XXX [.004] .XXX°±1* | , FINISH | JDG21185000 | J 2X1,W/D LED,5G | |
| | | | | THESE DRAWINGS AND SPECIFICATIONS | ARE THE N/A | APPD: TOPUP.LIL | J DWG ND.: | |
| | | | | PROPERTY OF YI HUA COMMUNICATED CI CO., LTD. AND SHALL NOT BE REPRODUC COPIED OR USED IN ANY MANNER WITH | сер Q'ТҮ | CHKD: SUNWENQI | | ALE SHEET RE∨. |
| | | | | PRIDE WRITTEN CONSENT OF YI HUA COMMUNICATED CONNECTOR CO., LTD. | N/A | DR: | | /A 1/5 B |

REV. Change Content Date

7

SEE SHEET 1/5

8

VCC 9 -1CT:1CT CH4+ 8 0-—○ 7 MX4+ T4 agains E T4' لىسا JULm СН4- 7 — — 8 MX4-B 1CT:1CT СН3+ 6 ○— لسنا w m РСВ СН3- 5 0-SIDE 1CT:1CT —∘ 3 MX2+ SIDE CH2+ 4 ↔ لسنا w. m Ē СН2- 3 0-—0 6 MX2-1CT:1CT CH1+ 2 -لنبينا w m CH1- 1 0-— 2 MX1-_____2*0.1uF ≷ 75 OHM D 1000pF GND 10 0-2KV TSS 14 - \Box SHIELD F

2

13

14

Δ

2

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED (FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.) MEETS IEEE 802.3 SPECIFICATION

| PARAMETER | SPECIFICATIONS | | | | | | |
|--------------------------------|---|-------|-----------------------------|-------------|--|--|--|
| TURNS RATIO | 1.00 ± 2% | | | | | | |
| POLARITY | PER SCHEMATIC | | | | | | |
| | 1-50MHz | 50 | 1–125MHz | 125-250MHz | | | |
| INSERTION LOSS | -0.5 dB MIN | -1 | .0 dB MIN | -1.5 dB MIN | | | |
| RETURN LOSS | 1-40 MHz | | 40-250 MHz | | | | |
| | -20 dB MIN | | -20+12.5*Log10(f/40) dB MIN | | | | |
| CROSSTALK ADJACENT | 1-150 MH: | Z | 150-250 MHz | | | | |
| CHANNELS | -30 dB M | IN | -20 dB MIN | | | | |
| COMMON MODE | 1-100 MHz | 2 | 100-500 MHz | | | | |
| REJECTION RATIO | -30 dB MI | N | -25 dB MIN | | | | |
| DIFFERENTIAL MODE | 1-100 MHz | 100-2 | DO MHz | 200-500 MHz | | | |
| TO COMMON MODE ATTENTUATION | -30dB MIN | -25dI | 3 MIN | -20db MIN | | | |
| INDUCTANCE (OCL) | 120 uH MIN MEASURED AT 100 KHz,100mVRMS | | | | | | |
| INPUT – OUTPUT ISOLATION | 2250 VDC MINIMUM FOR 60 SECONDS | | | | | | |

NOTE: f IS FREQUENCY IN MHz.

5

| Х. | ±0.50 [.020] | X.°±1° | UNITS mm [INCH] | NAME(INTENDED USE) | | CZT | | | | |
|---|-----------------|-------------|---------------------|------------------------|------------|---|-------|----|--|--|
| .x | ±0.35 [.014] | .X ° ± 1° | MAT'L | CUST | DMER | YI HUA COMMUNICATED CONNECTOR CO., LTD. | | | | |
| .XX | ±0.25 [.010] | .XX°±1° | N/A | PART NO.(INTENDED USE) | | TITLE: RJ45 CONNECT W/TRANSFORMER, | | | | |
| .xxx | ±0.10 [.004] | .XXX°±1° | FINISH | JDG211850000 | | 2X1,W/O LED,5G Base-T | | | | |
| THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF YI HUA COMMUNICATED CONNECTOR CO. LTD. AND SHALL. NOT BE REPRODUCED COPIED OR USED IN ANY MANGER VITHOUT THE PRIDR WRITTEN CONSETTOR YI HUA COMMUNICATED CONNECTOR CD., LTD. | | 2 | APPD: TOPUP.LIU | | DWG ND.: | | | | | |
| | | Ω΄ΤΥ Ν∕Α | CHKD: SUNWENQUN DR: | | SCALE SHEE | SHEET | RE V. | | | |
| | | | | | \bigcirc | N/A | 2/5 | В | | |
| 5 | | 'E | > | | 7 | | | 18 | | |





