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| LED 1 POLARITY | | | LED 2 POLARITY | | | |
|----------------|--------|--------|----------------|--------|--------|--|
| PIN 17 | PIN 18 | COLOR | PIN 19 | PIN 20 | COLOR | |
| - | + | YELLOW | + | _ | DRANGE | |
| | | | _ | + | GREEN | |



| | + GREEN |
|--|--|
| <u>ELECTRICAL CHARACTERISTICS @ 25°C</u> | LED 1 SCHEMATIC |
| TURNS RATIO 1CT : 1CT ±2% | 17 |
| TP2 ICT ±2% | YELLOW (本) RJ45 |
| TP3 | 40. |
| OCL @ 100kHz/100mVRMS (4CHANNEL) | 18 TRD1+ 11 • 1 TRP1+ |
| 11mA DC BIAS 350µH MIN, | TRCT1 12 • • • • • • • • • • |
| Compliant to IEEE 802.3at specification | ΣΠΙΚ ΙΝΙΚΟΙΙΑ ΙΝΙΚΟΙ ΣΕΙΣΤΙΚΟΙΙΑ ΙΝΙΚΟΙΙΑ |
| INS. LOSS 0.1MHz TO 1MHz -1.1 dB MAX | TRD1- 10 • 2 TRP1- |
| 1MHz TO 65MHz -0.8 dB MAX | TRD2+ 4 • 1CT : 1CT 3 TRP2+ |
| 65MHz TO 100MHz -1.0 dB MAX | |
| 100MHz T□ 125MHz -1.2 dB MAX | TRCT2 6 • |
| RET, LOSS (MIN) | TRD2- 5 • 6 TRP2- |
| 0.5MHz-40MHz | 1CT : 1CT |
| | TRD3+ 3 • 4 TRP3+ |
| CM TO CM REJ 100kHz - 100MHz30 dB MIN | TRCT3 1 • • • • • • • • • • |
| CM TO DM REJ | ρης ΙΙΙς |
| 100kHz - 100MHz -35 dB MIN | TRD3- 2 • 5 TRP3- |
| HIPOT (Isolation Voltage): 2250 VDC | TRD4+ 8 • 1CT : 1CT 7 TRP4+ |
| 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802,3 ISOLATION REQUIREMENTS | 9116 1 1 1 1 1 1 1 1 1 |
| BALANCED DC LINE CURRENT 720 mA MAX, @ 57 VDC CONTINUOUS | TRCT4 7 • • • |
| 1,2 A MAX, @ 57 VDC FOR 200 MILLISECONDS | |
| DPERATING TEMPERATURE: -40°C TO 85°C | |
| LED 1 | VC12 13 • |
| VF (FORWARD VOLTAGE) IF=20mA YELLOW 2,1V TYP, | VC45 15 • |
| 人D (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP. | VC78 16 • 75 FLIMS \$ \$ \$ \$ |
| LED 2 | 19 • 4X 73 UHMS } } |
| VF (FORWARD VOLTAGE) IF=20mA GREEN 2,2V TYP, ORANGE 2.0V TYP, | GREEN (本文) DRANGE 1000pf 2kV — |
| AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. | |
| DRANGE 605nm TYP. | 20 • LED 2 SHIELD 7777 |
| OPERATING TEMPERATURE: -40°C TO 85°C | REV. : B PAGE : 2 |
| ODICINATED DV | DELIVING NO. |

| | TITLE |
|-------------------------------------|------------------------------|
| CHOW WANCHUNG | 1X4 gigabit MagJack® |
| DATE 2017-04-03 | (PoEp, Extended Temperature) |
| DRAWN BY XIE YIMING DATE 2017-04-03 | 0826-1X4T-GH-F PATENTED |

| PART NO. / DRAWING NO. 08261X4TGH-F | | ARD DIM. IN INCH | [] METRIC DIM. AS REF. | | | |
|--------------------------------------|------|---------------------|----------------------------|--|--|--|
| FILE NAME | .X | | UNIT : INCH [mm] | | | |
| | .XX | | SCALE : N/A | | | |
| 08261X4TGH-F_B.DWG | .XXX | | ⊕ ← SIZE : A4 | | | |



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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK

FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

TIN-COATED COPPER WIRE, DIA 0.018 INCH. PINS:

100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY,

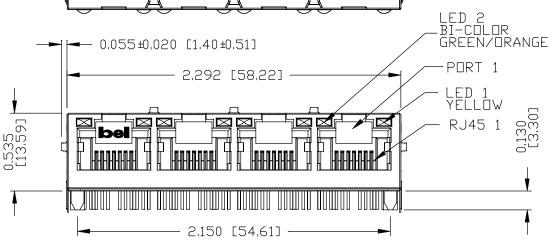
(ALL GROUND LEADS ARE SOLDER DIPPED)

0_

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 7,123,117.

1 MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER DATE CODE AND PATENTED.



1X4 qiqabit MaqJack®

0826-1X4T-GH-F

PATENTED

2. THE PRODUCT IS ROHS COMPLIANT.

c Tius ul recognized - file #E196366 and E169987.

3. THE PART IS RECOMMENDED FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

| GRUND LEADS 1:368] 1:300 [3.68] 1:300 [3.68] 1:300 [3.68] | |
|---|---|
| f | Ī |
| 0.305 [7.75] | |
| 0.125 [3.17] | |
| 0.260 [6.60] | |
| 0,600 [15,24] | |
| 0,700 [17,78] | |
| 0.800 [20.32] | |
| REV. : B PAGE : | 3 |

PART NO. / DRAWING NO. [] METRIC DIM. STANDARD DIM. TOL. IN INCH AS REF. 08261X4TGH-F UNIT : INCH [mm] FILE NAME SCALE: N/A .XX 08261X4TGH-F B,DWG SIZE : A4 ±0,010

a bel group

RoHS

(/)

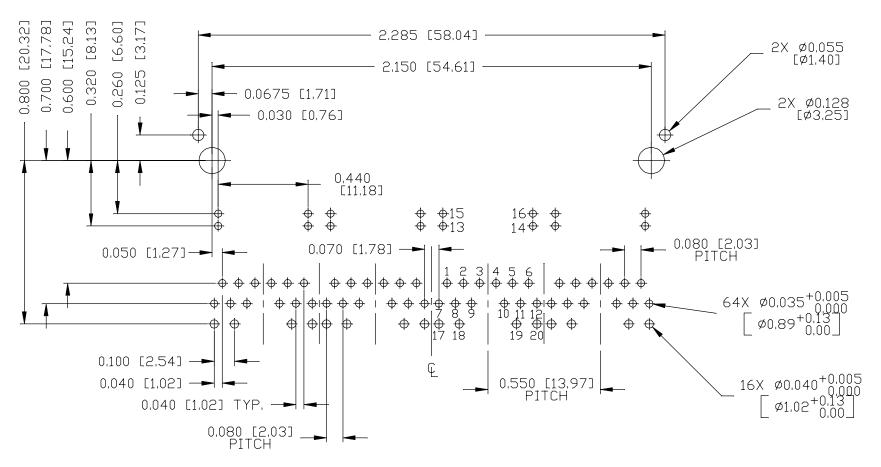
ORIGINATED BY TITLE ΑΝΤΠΝ Ι ΙΑΠ **DATE** 2017-04-03 (PoEp, Extended Temperature) DRAWN BY JESSE LI **DATE** 2017-04-03

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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

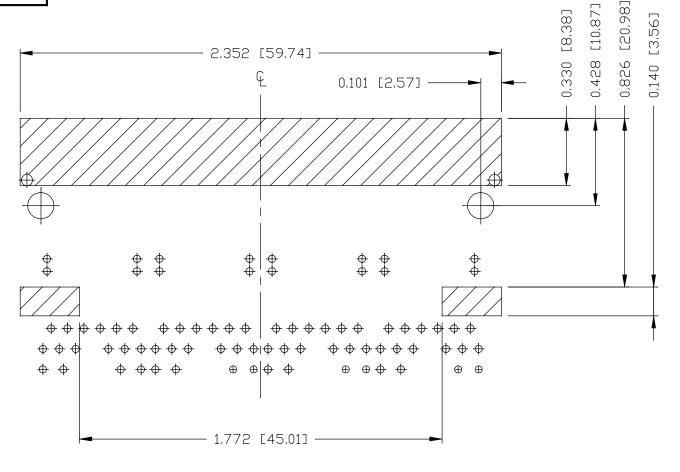




| | | | | | | REV. : | В | PAGE : | 4 |
|------------------------|------------------------------|------------------------|--------|----------|------------------|------------------------|------------|--------|------------------|
| ORIGINATED BY | TITLE | PART NO. / DRAWING NO. | STANDA | ARD DIM. | [] METRIC DIM. | | | | |
| ANTON LIAO | 1X4 gigabit MagJack® | 08261X4TGH-F | | IN INCH | AS REF. | AND THE REAL PROPERTY. | | | |
| DATE 2017-04-03 | (PoEp, Extended Temperature) | 002017414111 | v | | UNIT : INCH [mm] | | | MAG | ENETIC UTIONS |
| DRAWN BY | 0826-1X4T-GH-F | FILE NAME | -Λ | | | 72 | | SOL | UTIONS |
| JESSE LI | PATENTED | 000001741201 E DDVC | .XX | | SCALE : N/A | 1 | a bel grou | ip a | |
| DATE 2017-04-03 | IHILINIED | 08261X4TGH-F_B.DWG | .XXX | ±0,004 | SIZE : A4 | | | •- | |

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NOTES:

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

| ORIGINATED BY | TITLE |
|------------------------|------------------------------|
| ANTON LIAO | 1X4 gigabit MagJack® |
| DATE 2017-04-03 | (PoEp, Extended Temperature) |
| DRAWN BY | 0826-1X4T-GH-F |
| JESSE LI | PATENTED |
| DATE 2017-04-03 | 1111214122 |

DC002(2)120214

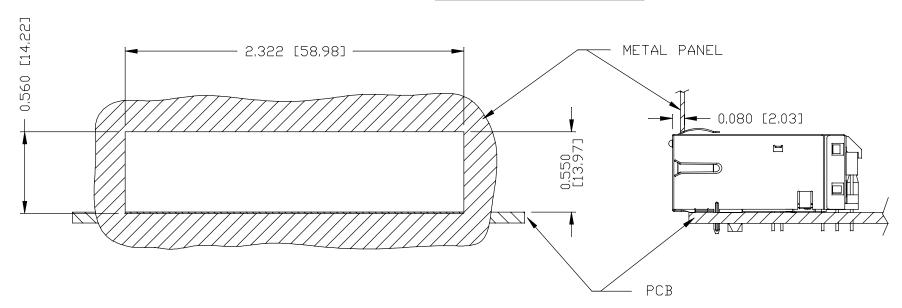
| PART NO. / DRAWING NO. 08261X4TGH-F | STANDARD DIM. TOL. IN INCH | | [] METRIC DIM. AS REF. | | | |
|-------------------------------------|-------------------------------|--------|----------------------------|--|--|--|
| FILE NAME | .X | | UNIT : INCH [mm] | | | |
| | .XX | | SCALE : N/A | | | |
| 08261X4TGH-F_B.DWG | .XXX | ±0,004 | SIZE : A4 | | | |



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SUGGESTED PANEL OPENING



NOTES:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION, IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-B4 (TOP)

0200-9999-B5 (BOTTOM)

PACKING QUANTITY: 24 PCS FINISHED GOODS PER TRAY

10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX

NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

| | | | | | | 1 |
|------------------------|------------------------------|-------------------------------------|---------|-----------|--------------------------|------|
| | TITLE | PART NO. / DRAWING NO. | STANDA | ARD DIM. | [] METRIC DIM. | |
| ANTON LIAO | 1X4 gigabit MagJack® | 08261X4TGH-F | TOL. 1 | IN INCH | AS REF. | |
| DATE 2017-04-03 | (PoEp, Extended Temperature) | 002017(1101111 | v | | UNIT : INCH [mm] | |
| DRAWN BY | 0826-1X4T-GH-F | FILE NAME | •л | / | | 1 |
| JESSE LI | 3323 27.11 | 08261X4TGH-F B.DWG | .XX | | SCALE : N/A | j |
| DATE 2017-04-03 | PATENTED | U8261X41GH-F_B;DWG | .XXX | ±0,004 | SIZE : A4 | |
| DC009/9/190914 | This de | soument is electronically senerated | This is | o control | led conv if used interne | 1127 |



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