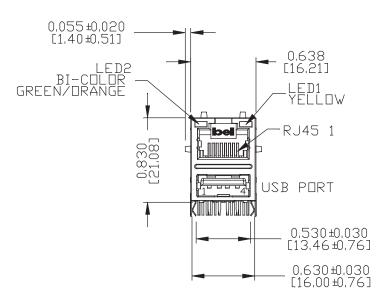
THE INFORMATION CONTAINED HEREIN IS CONSIDERED RoHS "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE LED1 POLARITY LED2 POLARITY COPIED, REPRODUCED OR DISCLOSED WITHOUT THE PIN 13 PIN 14 COLOR PIN 15 PIN 16 WRITTEN APPROVAL OF BEL FUSE INC. COLOR lyellow DRANGE + ELECTRICAL CHARACTERISTICS @ 25°C GREEN TURNS RATIO LED1 TP1 1CT : 1CT ±2% SCHEMATIC 13 • TP2 1CT : 1CT ±2% RJ45 TP3 1CT : 1CT ±2% YELLOW TP4 14 • 1CT : 1CT ±2% DCL @ 100kHz/100mVRMS 1CT : 1CT TRD1+ 11 ← TRP1+ 8mA DC BIAS 350µH MIN. TRCT1 12 • INS, LOSS 2 TRD1-10 • TRP1-0.1MHz TO 1MHz -1.1 dB MAX 1CT : 1CT 1MHz TO 65MHz -0.5 dB MAX TRD2+ 4 TRP2+ 65MHz TO 100MHz -0.8 dB MAX TRCT2 6 100MHz TO 125MHz -1.2 dB MAX TRD2-5 • TRP2-RET, LOSS (MIN) 1CT : 1CT TRD3+ 3 TRP3+ 0.5MHz-40MHz -18 dB TRCT3 1 • 40MHz-100MHz $-12+201 \Pi G(f/80MHz) dB$ 2 TRD3-TRP3-CRUSS TALK 1CT : 1CT 100kHz - 100MHz $-33+201 \, \Pi G(f/100MHz) dB \, MIN$ TRD4+ 8 TRP4+ CM TO CM REJ TRCT4 7 • 100kHz - 100MHz -30 dB MIN TRD4-9 TRP4-CM TO DM REJ 100kHz - 100MHz -35 dB MIN 4X 75 □HMS ≷ 15 -HIPOT (Isolation Voltage): 1500 Vrms GREEN (本文) DRANGE 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT 1000pF 2kV 16 -LED 1 SHIFL D 7777 IF=20mA YELLOW 2.1V TYP. VF (FORWARD VOLTAGE) USB ELECTRICAL: AD (DOMINANT WAVELENGTH) IF = 20mA YELLOW 590nm TYP. LED 2 INSULATION RESISTANCE: 1000 MEGA Ω (MIN) VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. CONTACT RESISTANCE: 25 MILLIΩ (MAX) DRANGE 2,0V TYP. DIELECTRIC WITHSTANDING: 750 VAC AD (DOMINANT WAVELENGTH) IF = 20mA GREEN 570nm TYP. PAGE: 2 REV. : DRANGE 605nm TYP. ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. CHOW WANCHUNG gigabit MagJack ® Combo AS REF. TOL. IN INCH 08211X1T43-F DATE 2015-10-13 (single USB, 8 cores) UNIT : INCH [mm] DRAWN BY FILE NAME 0821-1X1T-43-F SCALE: N/A MURPHY LEE .XX a bel group PATENTED 08211X1T43-F D.DWG DATE 2015-10-13 SIZE: A4

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MECHANICAL SPECIFICATION





PLASTIC HOUSING: THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING

OR EQUIVALENT.

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

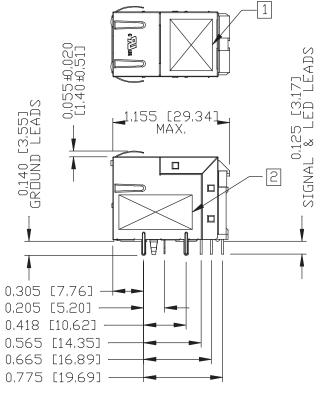
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

CHUS UL RECOGNIZED - FILE #E196366 AND E169987.

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

2 MARKING "PATENTED".



USB MECHANICAL:

MATING FORCE: 35 NEWTONS MAXIMUM UNMATING FORCE: 10 NEWTONS MINIMUM CONTACT: PROSPHER BRONZE

30 MIRCO-INCH MIN GOLD PLATING ON

CONTACT AREA AND LEAD-FREE TIN ON SOLDER LEADS

3. THE PRODUCT IS ROHS COMPLIANT.

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

ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM [] METRIC DIM. ANTON LIAD gigabit MagJack ® Combo AS REF. TOL. IN INCH 08211X1T43-F DATE 2015-10-13 (single USB, 8 cores) $\mathtt{UNIT} : \mathtt{INCH} \ [\mathbf{mm}]$ DRAWN BY FILE NAME 0821-1X1T-43-F SCALE: N/A JESSE LI XX. PATENTED 08211X1T43-F D.DWG **DATE** 2015-10-13 SIZE : A4 ±0.010

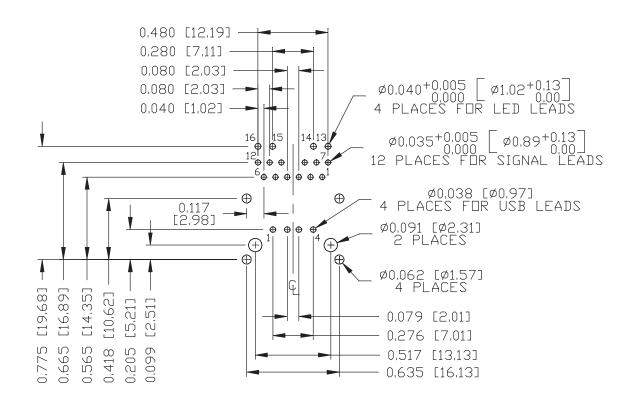


RoHS

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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



ORIGINATED BY
ANTON LIAD
DATE 2015-10-13

DRAWN BY
JESSE LI
DATE 2015-10-13

TITLE

gigabit MagJack® Combo (single USB, 8 cores) 0821-1X1T-43-F PATENTED
 PART NO. / DRAWING NO.
 STANDARD DIM.
 | METRIC DIM.

 08211X1T43-F
 TOL. IN INCH
 AS REF.

 .X
 UNIT: INCH [mm]

 .XX
 SCALE: N/A

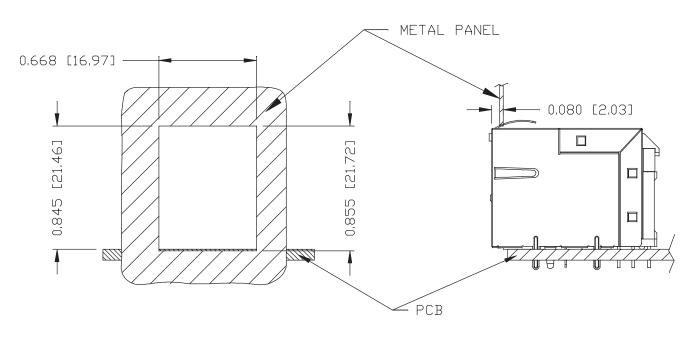
 .XXX
 ±0.004
 SIZE: A4



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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 : 0200-0148-48 (TOP)

0200-0148-49 (BOTTOM)

PACKING QUANTITY: 60 PCS FINISHED GOODS PER TRAY

8 TRAYS (480 PCS FINISHED GOODS) PER CARTON BOX

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

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ANTON LIAO	TITLE gigabit MagJack® Combo (single USB, 8 cores)	PART NO. / DRAWING NO. 08211X1T43-F	STANDA TOL. IN	ARD DIM. IN INCH	[] METRIC DIM. AS REF.
DATE 2015-10-13 DRAWN BY		FILE NAME	x		UNIT : INCH [mm]
JESSE LI	0821-1X1T-43-F PATFNTFD		.XX		SCALE : N/A
DATE 2015-10-13	THILINIED	08211X1T43-F_D,DWG	.XXX	±0,004	SIZE : A4

REV. : D PAGE : 5

MAGNETIC SOLUTIONS
a bel group

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

0821-1X1T-43-F