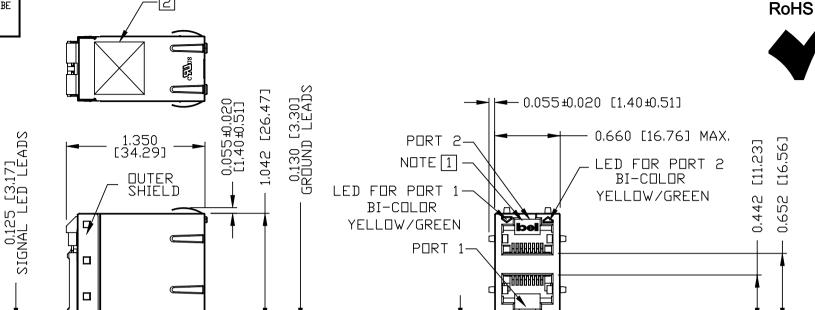
THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE LED POLARITY **RoHS** PIN 12 PIN 11 PIN 10 COLOR COPIED, REPRODUCED OR DISCLOSED WITHOUT THE LED WRITTEN APPROVAL OF BEL FUSE INC. **GREEN** SCHEMATIC FOR SINGLE PORT 11 YELLOW ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIO GREEN 12 RJ45 1CT : 1CT ±2% TP1 1CT : 1CT YELLOW 10 TP2 1CT : 1CT ±2% RJ1 TRP1+ TRD1+ 1 • TP3 1CT : 1CT ±2% 1CT : 1CT ±2% TP4 ПСІ @ 100kHz/100mVRMS TRD1- 2 • RJ2 TRP1-350µH MIN. 8mA DC BIAS 1CT : 1CT INS. LOSS TRD2+ 3 ← RJ3 TRP2+ -1.1 dB MAX 0.1MHz T□ 1MHz -0.5 dB MAX 1MHz TD 65MHz -0.8 dB MAX 65MHz TO 100MHz TRD2- 4 • RJ6 TRP2-100MHz TD 125MHz -1.2 dB MAX 1CT : 1CT RET. LOSS (MIN) RJ4 TRP3+ TRD3+ 5 •--18 dB0.5MHz-40MHz $-12+20L\Pi G(f/80MHz) dB$ 40MHz-100MHz RJ5 TRP3-CM TO CM REJ TRD3-6 • -30 dB MIN 100kHz - 100MHz1CT : 1CT CM TO DM REJ TRD4+ 7 • RJ7 TRP4+ 100kHz - 100MHz -35 dB MIN 1500 Vrms HIPOT (Isolation Voltage): 100% OF PRODUCT TESTED IN PRODUCTION RJ8 TRP4-TRD4-8 • TO COMPLY WITH IEEE 802.3 REQUIREMENTS LED TRDCT 9. 4X 75 □HMS ≥ 1/2/3/4 IF=20mA GREEN VF (FORWARD VOLTAGE) 2.2V TYP. YFIΙΠW 2.1V TYP. 565nm TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 2KVDC 1000pF YELLOW 590nm TYP. NOTES: SCHEMATIC & ELECTRICAL CHARACTERISTICS ARE IDENTICAL FOR PORT 1 & PORT 2. SHIFI D 7777 ORIGINATED BY DATE TITLE PART NO. / DRAWING NO. [] METRIC DIM. AS REFERENCE STANDARD DIM. 2X4 gigabit MagJack® CHOW WANCHUNG 2012-08-17 08432C1T33-F be TOL. IN INCH UNIT: INCH [mm] REV.: (with LED) X. DRAWN BY FILE NAME DATE SCALE: N/A SIZE : COMPONENTS FOR A CONNECTED PLANET 0843-2C1T-33-F XX. 08432C1T33-F_B.DWG TAN QIGUANG 2012-08-17 PATENTED PAGE: .XXX DC002(2)081111 This document is electronically generated. This is a controlled copy if used internally

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT

DUTPUT PINS: TIN-CDATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL DR TIN PLATED DN COPPER ALLDY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

c Nus ul recognized - file #E196366 and E169987.

- 2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
- 3. THE PRODUCT IS ROHS COMPLIANT.
- 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 5,736,910.

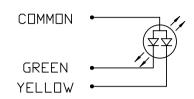
0.500 [12.70]

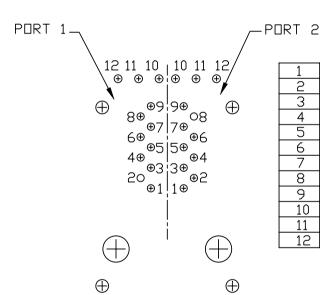
ORIGINATED BY ANTON LIAO	DATE 2012-08-17	TITLE 2X4 gigabit MagJack® (with LED)	PART NO. / DRAWING NO. 08432C1T33-F		ARD DIM. IN INCH	[] METRIC DIM. AS UNIT: INCH [mm]		$\{ ar{l} \}$
DRAWN BY	DATE	0843-2C1T-33-F	FILE NAME	.XX		SCALE: N/A	SIZE: A4	1,
HE ZHEN	2012-08-17		08432C1T33-F_B.DWG	.XXX	±0.010	⊕€-}	PAGE: 3	

├ 0.425 [10.79] ─ 0.296 [7.52] ─ 0.865 [21.97] THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS

LED CONFIGURATION





1	TRD 1+
2	TRD 1-
3	TRD 2+
4	TRD 2-
5	TRD 3+
6	TRD 3-
7	TRD 4+
8	TRD 4-
9	TRDCT 1/2/3/4
10	YELLOW LED CATHODE
11	COMMON ANODE
12	GREEN LED CATHODE

PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

0.010 [0.25] Ø0.040^{+0.005} [Ø1.02^{+0.13}] 0.100 [2.54] 0.290 [7.37] - 0.100 [2.54] 4X Ø0.062 [Ø1.57] -2XØ0.128 [Ø3.25] [7,52] [8,79] [2,54] [2,54] [17,53] [21,97] 0.120 [3.05] 57] 0.170 [4.32] [4, 0.330 [8.38] 296 0,346 0.100 0.100 0,865 0,690 0,180 0.380 [9.65] 0.500 [12.70] 0.635 [16.13]

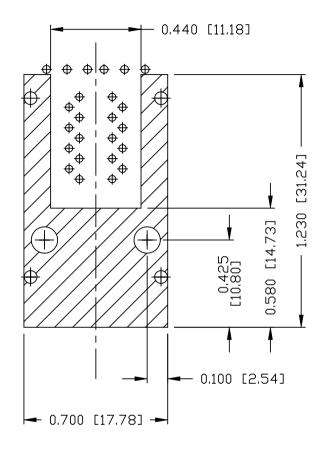
SUGGESTED FOOTPRINT (COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE 2X4 gigabit MagJack®	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM. AS	REFERENCE
ANTON LIAO	2012-08-17	(with LED)	08432C1T33-F	TOL.	IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	0843-2C1T-33-F	FILE NAME	.XX		SCALE: N/A	SIZE: A4
HE ZHEN	2012-08-17	PATENTED	08432C1T33-F_B.DWG	.XXX	±0,004	⊕ - □ -	PAGE: 4



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SHIELD COVER AREA IN PCB

NOTES:

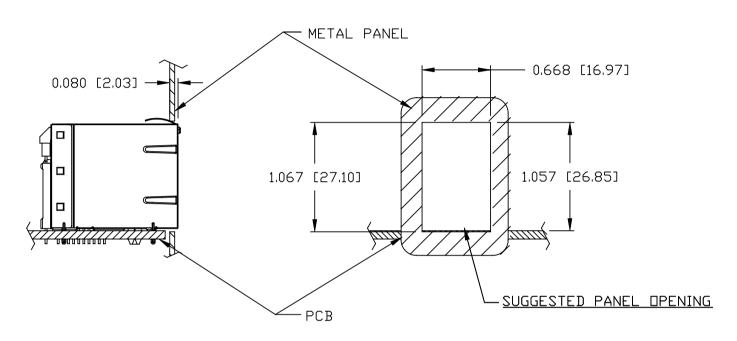
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY		TITLE 2X4 gigabit MagJack®	PART NO. / DRAWING NO.		ARD DIM.	[] METRIC DIM. AS	S REFERENCE
ANTON LIAO	2012-08-17	(with LED)	08432C1T33-F	TOL. 1	IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	0843-2C1T-33-F	FILE NAME	.XX		SCALE: N/A	SIZE: A4
HE ZHEN	2012-08-17	PATENTED	08432C1T33-F_B.DWG	.XXX	±0.004	$\qquad \qquad \bigoplus$	PAGE: 5



SUGGESTED PANEL OPENING





NOTE:

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: 0200-0148-36 (TOP) 0200-0148-34 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX. (INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY	DATE
ANTON LIAO	2012-08-17
DRAWN BY	DATE

TITLE 2X4 gigabit MagJack® (with LED) 0843-2C1T-33-F PATENTED

	08432C1T33-F	ŀ
ſ	FILE NAME	ŀ
	08432C1T33-F_B.DWG	ŀ

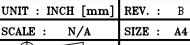
PART NO. / DRAWING NO.

STANDARD DIM.		
TOL. IN INCH		
.X		SC
.XX		20

±0,004

.XXX

METRIC DIM. AS REFERENCE CALE: N/A



PAGE: 6



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