THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE LED1 WRITTEN APPROVAL OF BEL FUSE INC. 13 • SCHEMATIC LED1 POLARITY LED2 POLARITY GREEN YELLOW COLOR PIN 13 **PIN 14** PIN 15 **PIN 16** COL OR **RJ45** 14 -**GREEN GREEN** 1CT : 1CT YELLOW TRD1+ 11 •-1 TRP1+ ELECTRICAL CHARACTERISTICS @ 25°C TRCT1 12 ← TURNS RATIO 2 TRP1-TRD1- 10 •-TP1 1CT : 1CT ±2% TP2 1CT : 1CT ±2% 1CT : 1CT TP3 1CT : 1CT ±2% TRD2+ 4 3 TRP2+ TP4

OCL @ 100kHz/100mVRMS 1CT : 1CT ±2% TRCT2 6 ← 8mA DC BIAS 350µH MIN. INS. LOSS 6 TRP2-TRD2- 5 • 0.1MHz T□ 1MHz -1.1 dB MAX 1CT : 1CT 1MHz TO 65MHz -0.5 dB MAX TRD3+ 3 •-4 TRP3+ -0.8 dB MAX 65MHz TO 100MHz 100MHz TD 125MHz \Box -1.2 dB MAX TRCT3 1 ← RET, LOSS (MIN) П 0.5MHz-40MHz -18 dB 5 TRP3-TRD3- 2 ← $-12+20L\Box G(f/80MHz) dB$ 40MHz-100MHz $\neg \neg$ CROSS TALK 1CT : 1CT 100kHz - 100MHz CM TO CM REJ TRD4+ 8 •-7 TRP4+ $-33+20L\Box G(f/100MHz)dB$ MIN 100kHz - 100MHz -30 dB MIN TRCT4 7 ← CM TO DM REJ 70 8 TRP4-100kHz - 100MHz -35 dB MIN TRD4- 9 • HIPOT (Isolation Voltage): 1500 Vrms LED 1 4X 75 DHMS VF (FORWARD VOLTAGE) 15 •-IF=20mA GREEN 2.2V TYP. YELLOW 2.1V TYP. GREEN AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. YELLOW 590nm TYP. 1000pF 2kV LED 2 16 • LED2 VE (EDRWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. SHIELD 7777 ∠ND (D□MINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. OPERATING TEMPERATURE: 0°C TO +70°C. REV. : PAGE: 2 ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM [] METRIC DIM.

ORIGINATED BY
WANCHUNG CHOW
DATE 2016-08-11

DRAWN BY
SKY YOU
DATE 2016-08-11

gigabit MagJack® (8 cores, Tab Up) 0826-1L1T-43-F PATENTED 08261L1T43-F

FILE NAME

08261L1T43-F_C.DWG

I METRIC DIM.
AS REF.

UNIT: INCH [mm]

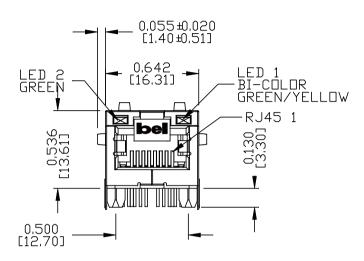
SCALE: N/A

I SIZE: A4

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MECHANICAL SPECIFICATION



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK

FLAMMABILITY RATING UL 94V-0

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

30 MICRO-INCH MIN NICKEL UNDERPLATE.

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

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

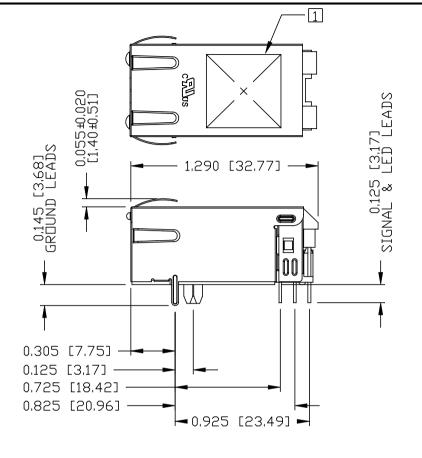
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

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

c Wusul recognized - file #E196366 AND E169987.

- 2. THE PRODUCT IS ROHS COMPLIANT.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.



- 4. THE PART IS RECOMMENDED FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.
- 5. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT.7,123,117.

REV. : ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. gigabit MagJack® JESSE LI TOL. IN INCH AS REF. 08261L1T43-F **DATE** 2016-08-11 (8 cores, Tab Up) UNIT : INCH [mm] FILE NAME DRAWN BY 0826-1L1T-43-F SCALE : N/A SARAH CHEN .XX PATENTED 08261L1T43-F_C,DWG |⊕ - | SIZE : A4 DATE 2016-08-11 ±0,010

REV. : C PAGE : 3

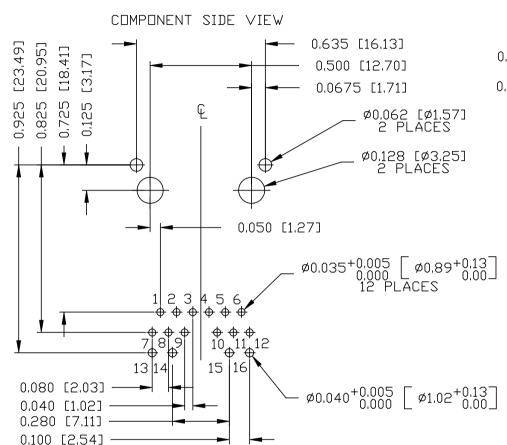
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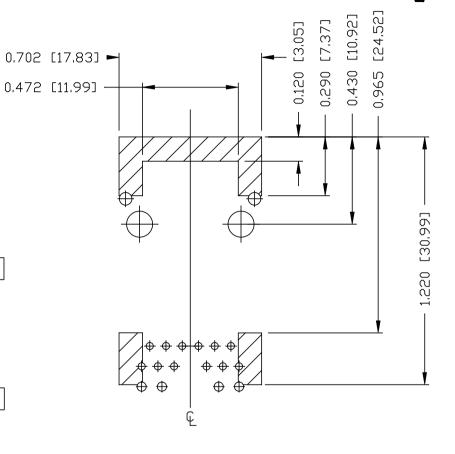
RoHS

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RoHS

RECOMMENDED PCB FOOTPRINT





NOTES

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

	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.
JESSE LI	gigabit MagJack®	000641.47.40.5	TOL.	IN INCH	AS REF.
DATE 2016-08-11	(8 cores, Tab Up)	08261L1T43-F	3,7		UNIT : INCH [mm]
DRAWN BY	• • • • • • • • • • • • • • • • • • • •	FILE NAME	.X		ONII . INCH [IIIII]
SARAH CHEN	0826-1L1T-43-F		.XX		SCALE: N/A
DATE 2016-08-11	PATENTED	08261L1T43-F_C.DWG	.XXX	±0,004	SIZE : A4

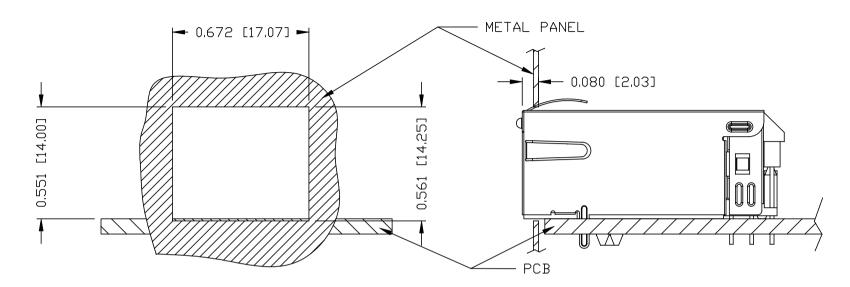
REV. : C PAGE : 4

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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 : 0200-9999-F6 (TOP)

0200-9999-F7 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GDDDS PER TRAY

10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

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

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.	Г
JESSE LI	gigabit MagJack®	08261L1T43-F	TOL. IN INCH		AS REF.	l
date 2016-08-11	(8 cores, Tab Up)	08261L1143-F	v		UNIT : INCH [mm]	l
DRAWN BY	0826-1L1T-43-F	FILE NAME	·A	/		ĺ
SARAH CHEN	PATENTED	08261L1T43-F_C,DWG	.XX		SCALE: N/A	ı
DATE 2016-08-11		00501F1143-F_C'NMQ	.XXX	±0.004	SIZE : A4	L

PAGE: 5

PAGE: 5

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