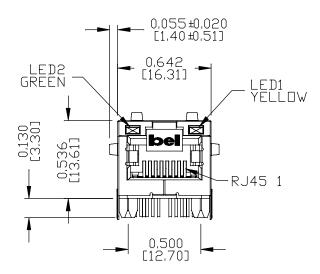
THE INFORMATION CONTAINED HEREIN IS CONSIDERED RoHS "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE SCHEMATIC COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. LED1 13 • LED2 POLARITY LED1 POLARITY YELLOW PIN 15 PIN 16 PIN 13 PIN 14 COLOR COLOR YELLOW GREEN RJ45 1CT : 1CT ELECTRICAL CHARACTERISTICS @ 25°C TRD1+ 11 •-\_\_\_|1 TRP1+ TURNS RATIO TRCT1 12 •-TP1 1CT : 1CT ±2% TP2 1CT : 1CT ±2% TRD1- 10 • 2 TRP1-TP3 1CT : 1CT ±2% TP4 1CT : 1CT ±2% 1CT : 1CTOCL @ 100kHz/100mVRMS TRD2+ 4 • 3 TRP2+ 8mA DC BIAS 350 MH MIN. TRCT2 6 INS, LOSS 0,1MHz TO 1MHz -1.1 dB MAX TRD2- 5 • 6 TRP2--0.5 dB MAX 1MHz TO 65MHz -0.8 dB MAX 65MHz TO 100MHz 1CT : 1CT -1,2 dB MAX 100MHz TO 125MHz TRD3+ 3 4 TRP3+ RET. LOSS (MIN) 0.5MHz-40MHz TRCT3 1 -18 dB  $-12+20L\Box G(f/80MHz) dB$ 40MHz-100MHz TRD3- 2 • 5 TRP3-CM TO CM REJ 100kHz - 100MHz -30 dB MIN 1CT : 1CTTRD4+ 8 7 TRP4+ CM TO DM REJ 100kHz - 100MHz -35 dB MIN TRCT4 7 1500 Vrms or 2250VDC HIPOT (Isolation Voltage): 8 TRP4-100% OF PRODUCTION TESTED TO COMPLY WITH TRD4- 9 IEEE 802,3 ISOLATION REQUIREMENTS, 15 • IFD 1 4X 75 DHMS GREEN IF=20mA YELLOW 2.1V TYP. VF (FORWARD VOLTAGE) λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP. IED 2 1000pF 2kV LED2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. SHIELD OPERATING TEMPERATURE: 0°C TO +70°C. REV.: PAGE: ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM [ ] METRIC DIM. CHOW WANCHUNG AS REF. TOL. IN INCH Gigabit MagJack® 08261A1T23-F **DATE** 2016-08-10 UNIT : INCH [mm] (12 cores, Tab Up) DRAWN BY FILE NAME SCALE: N/A SKY YOU .XX 0826-1A1T-23-F a bel group 08261A1T23-F F.DWG DATE 2016-08-10 - | SIZE : A4

DC002(2)120214

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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.

TIN-COATED COPPER WIRE, DIA 0,018 INCH. DUTPUT PINS:

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

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

11 MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE.

NS UL RECHGNIZED - FILE #F196366 AND F169987.

2 THE PRODUCT IS ROHS COMPLIANT

- 0,055±0,020 [1,40±0,51] [3,17] LED LEADS 0,145 [3,68] GROUND LEADS - 1,290 [32,77] 0,125 SIGNAL & 1 0,305 [7,75] — 0.125 [3.17] 0,600 [15,24] 0,700 [17,78] 0.800 [20.32]
- 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.

E, THE TREDOCT 13 ROTS CENTERINT						
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.	
ANTON LIAO	Gigabit MagJack <sup>®</sup>	08261A1T23-F	TOL. 1	IN INCH	AS REF.	
DATE 2016-08-10	(12 cores, Tab Up)	DIL D. MANCE	.x		UNIT : INCH [mm]	
DRAWN BY JESSE LI	0826-1A1T-23-F	### FILE NAME  08261A1T23-F_F.DWG	.XX		SCALE : N/A	
<b>DATE</b> 2016-08-10			.XXX	±0,010	⊕ - SIZE : A4	

PAGE: REV. : **MAGNETIC** SOLUTIONS a bel group

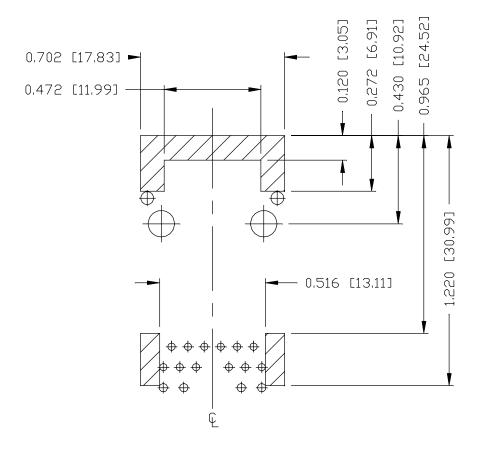
3

**RoHS** 

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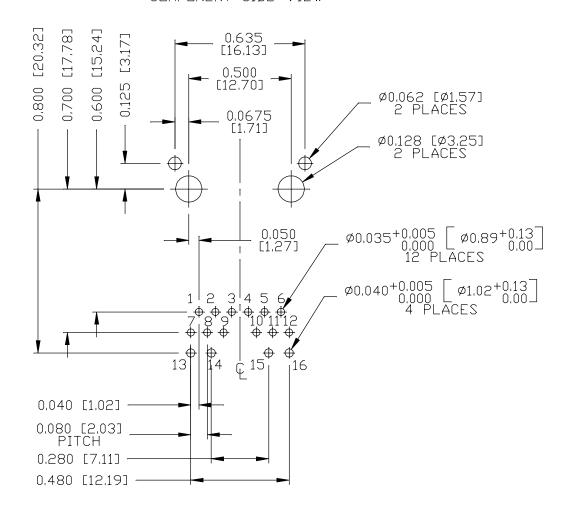


# RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



## NOTES

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



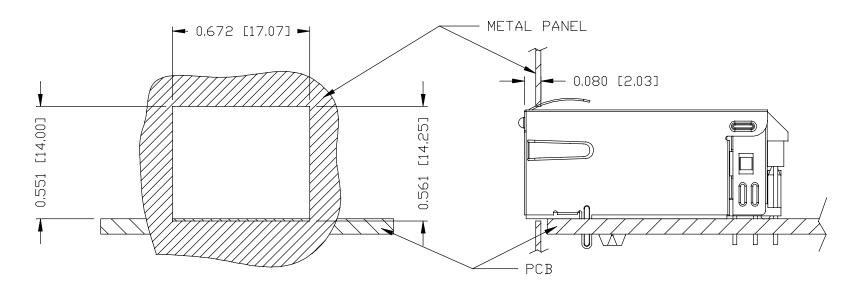
						R
ORIGINATED BY ANTON LIAO	TITLE  Gigabit MagJack®	PART NO. / DRAWING NO. 08261A1723-F	1	ARD DIM. IN INCH		
DATE 2016-08-10  DRAWN BY	(12 cores, Tab Up)	FILE NAME	.X		UNIT : INCH [mm]	
JESSE LI	0826-1A1T-23-F	08261A1T23-F F.DWG	.XX		SCALE : N/A	
<b>DATE</b> 2016-08-10		0050141152-F-F-1DWG	.xxx	±0,004	SIZE : A4	



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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 GOODS 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)

						]
	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.	
ANTON LIAO   <b>date</b> 2016-08-10	Gigabit MagJack <sup>®</sup>	08261A1T23-F	TOL.	IN INCH	AS REF.	
2	(12 cores, Tab Up)	EILE MANE	.x		UNIT : INCH [mm]	l
DRAWN BY JESSE LI	0826-1A1T-23-F	FILE NAME  08261A1T23-F F.DWG	.XX		SCALE : N/A	
<b>DATE</b> 2016-08-10		OOCOTHILC2_L_L'DMG	.XXX	±0,004	SIZE : A4	L

REV. : F PAGE : 5

MAGNETIC SOLUTIONS
a bel group

# **Mouser Electronics**

**Authorized Distributor** 

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

Bel:

0826-1A1T-23-F