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LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR	
_	+	YELLOW	+	_	DRANGE	
			- +		GREEN	

#### ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

OCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INS, LOSS

 0.1MHz
 TO 1MHz
 -1.1 dB MAX

 1MHz
 TO 65MHz
 -0.5 dB MAX

 65MHz
 TO 100MHz
 -0.8 dB MAX

 100MHz
 TO 125MHz
 -1.2 dB MAX

RET, LOSS (MIN)

0.5MHz-40MHz -18 dB

40MHz-100MHz -12+20LDG(f/80MHz) dB

CROSS TALK

1MHz - 60MHz - 30dB MIN 60MHz - 100MHz - 25dB MIN

CM TO CM REJ

100kHz - 100MHz - 30 dB MIN

CM TO DM REJ

100kHz - 100MHz - 35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802,3 ISOLATION REQUIREMENTS.

LED 1

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2,1V TYP,
AD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP,

TED 5

VF (FORWARD VOLTAGE) IF=20mA GREEN 2,2V TYP.

DRANGE 2.0V TYP,

AD (DDMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP,

DRANGE 610nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.

CHOW WANCHUNG	<b>TITLE</b> gigabit MagJack <sup>®</sup>
<b>date</b> 2016-08-11	(8 cores, Tab Up)
DRAWN BY SKY Y□U DATE 2016-08-11	0826-1X1T-43-F PATENTED

<b>PART NO. / DRAWING NO.</b> 08261X1T43-F	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.		
FILE NAME	.X		UNIT : INCH [mm]		
FILE NAME	.XX		SCALE : N/A		
08261X1T43-F_E,DWG	.XXX		⊕ - SIZE : A4		

LED2

LED1

SCHEMATIC

1CT : 1CT

1CT : 1CT

1CT : 1CT

1CT : 1CT

4X 75 DHMS

1000pF 2kV

SHIELD 7777

 $\geq$ 

 $\leq$ 

 $\neg \neg$ 

 $\vdash$ 

 $\mathcal{I}$ 

DRANGE

13 •

14 •

YELLOW

TRD1+ 11 •

TRCT1 12 •─

TRD1- 10 •-

TRD2+ 4 •

TRCT2 6 ←

TRD2- 5 •-

TRD3+ 3 •

TRCT3 1 ←

TRD3- 2 •-

TRD4+ 8 •

TRCT4 7 ←

TRD4- 9 •

15 •

16 •

GREEN



RoHS

RJ45

1 TRP1+

2 TRP1-

3 TRP2+

6 TRP2-

4 TRP3+

5 TRP3-

7 TRP4+

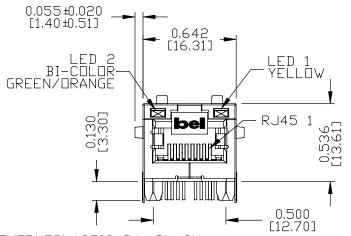
8 TRP4-

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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.

CALUSUL RECOGNIZED - FILE #E196366 AND E169987.

- 2. THE PRODUCT IS ROHS COMPLIANT,
- 3, JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
- 4. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 7,123,117.
- 5. THE PART IS RECOMMENDED FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

PEAK WAVE SULDERING CUMDITION IS 260°C MAX AND 10 SECUNDS MAX,								
	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.			
JESSE LI	gigabit MagJack®	08261X1T43-F	TOL.	IN INCH	AS REF.			
<b>DATE</b> 2016-08-11	(8 cores, Tab Up)		X		UNIT : INCH [mm]			
DRAWN BY JOLLY LUO	0826-1X1T-43-F PATENTED	FILE NAME	.XX		SCALE : N/A			
<b>DATE</b> 2016-08-11	I HILNIED	08261X1T43-F_E.DWG	.XXX	±0,010	SIZE : A4			

X 0,145 [3,68] GROUND LEADS 511 55±0,1 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]

REV. : E PAGE : 3

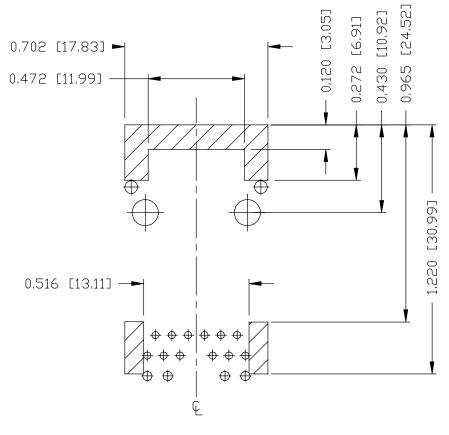
MAGNETIC SOLUTIONS
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RoHS

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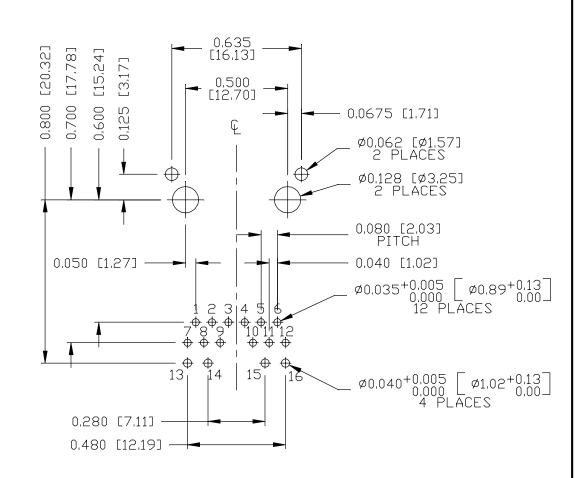


# RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



# NOTES

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



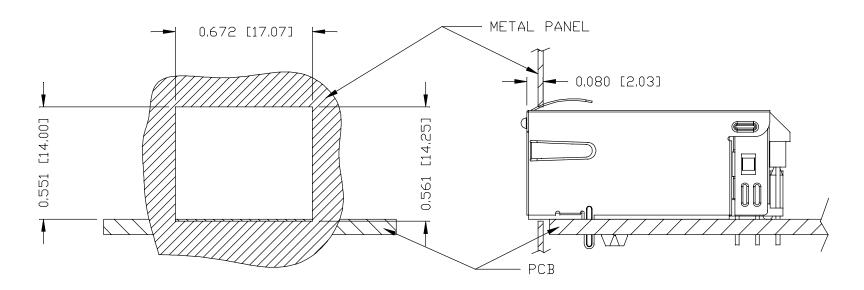
						L
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM.	Γ
JESSE LI	gigabit MagJack®			IN INCH		İ
<b>DATE</b> 2016-08-11	(8 cores, Tab Up)	08261X1T43-F	$\overline{\mathbf{v}}$		UNIT : INCH [mm]	ı
DRAWN BY	0826-1X1T-43-F	FILE NAME	.л	/		1
JOLLY LUO			.XX		SCALE : N/A	ı
<b>DATE</b> 2016-08-11	PATENTED	08261X1T43-F_E,DWG	.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)

										_
ORIGINATED BY	7	TITLE		PART NO. /	DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC D	OIM.	Г
JESSE LI	00 11	glg	gabit MagJack®	00061	X1T43-F	1	IN INCH	AS REF.		
<b>DATE</b> 2016-	J8-II	(8	cores, Tab Up)	00201	∧1143 <sup>-</sup> r	v		UNIT : INCH [n	nm1	ı
DRAWN BY		0	826-1X1T-43-F	FILE NAME		••		CIVII : IIVOII [II		1
JOLLY LUO		U				.XX		SCALE : N/A		
<b>DATE</b> 2016-0	)8-11		PATENTED	08261X1T4	13-F_E,DWG	.XXX	±0,004	SIZE	: A4	L

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**Authorized Distributor** 

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Bel:

0826-1X1T-43-F