

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.

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



## ELECTRICAL CHARACTERISTICS @ 25°C

### URNS 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+20LOG(f/80MHz) dB

### CROSS TALK

100kHz - 100MHz	-33+20LOG(f/100MHz)dB MIN
-----------------	---------------------------

### CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
-----------------	------------

### CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
-----------------	------------

### HIPOT (Isolation Voltage):

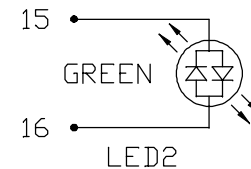
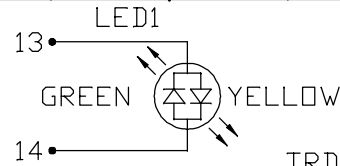
1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

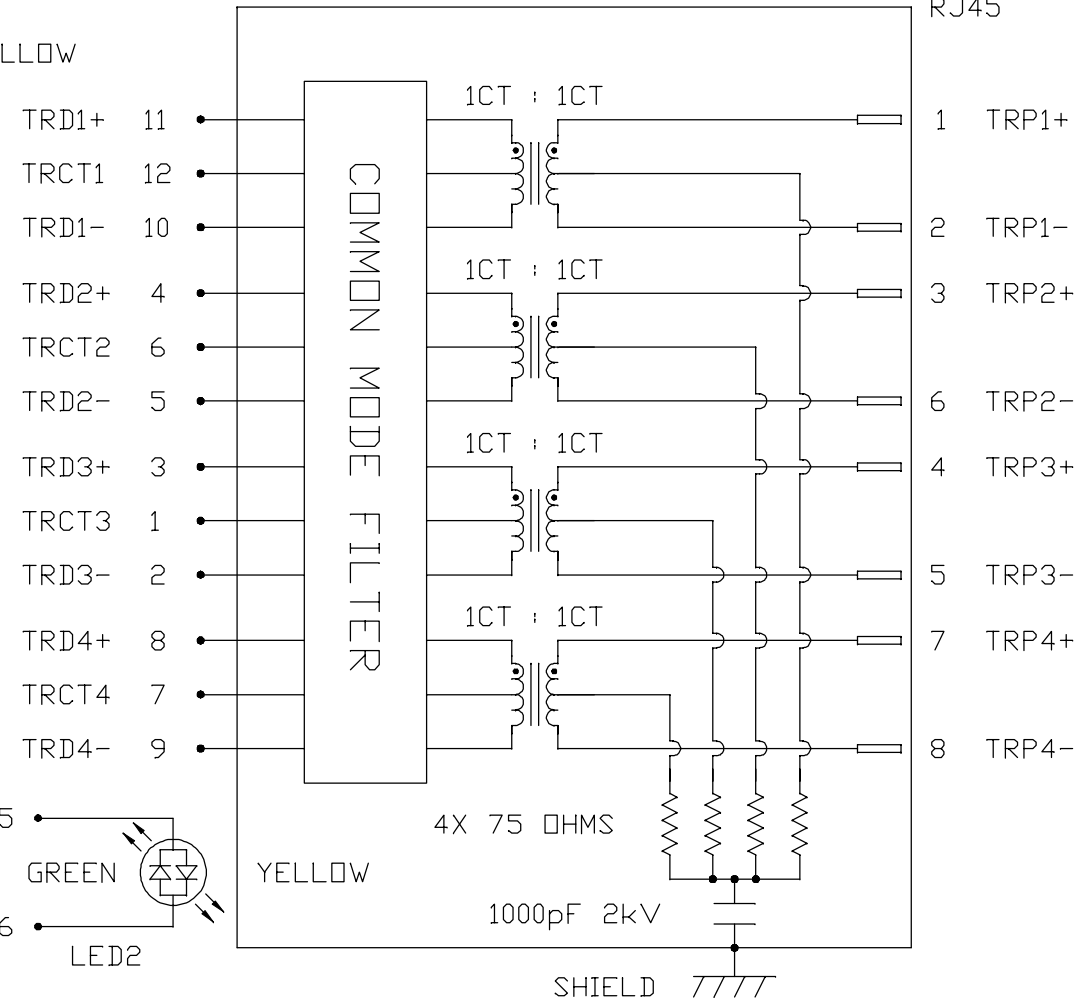
### LED 1 & LED 2



VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		YELLOW	590nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



## SCHEMATIC



ORIGINATED BY CHOW WANCHUNG DATE 2017-04-24		TITLE 1X4 gigabit MagJack® (8 cores, Tab Up) 0826-1C4T-43-F PATENTED	PART NO. / DRAWING NO. 08261C4T43-F		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.		 <b>bel</b> MAGNETIC SOLUTIONS a bel group
DRAWN BY XIE YIMING DATE 2017-04-24			FILE NAME 08261C4T43-F_C.DWG		.X		UNIT : INCH [mm]		
					.XX		SCALE : N/A		
						.XXX		 SIZE : A4	

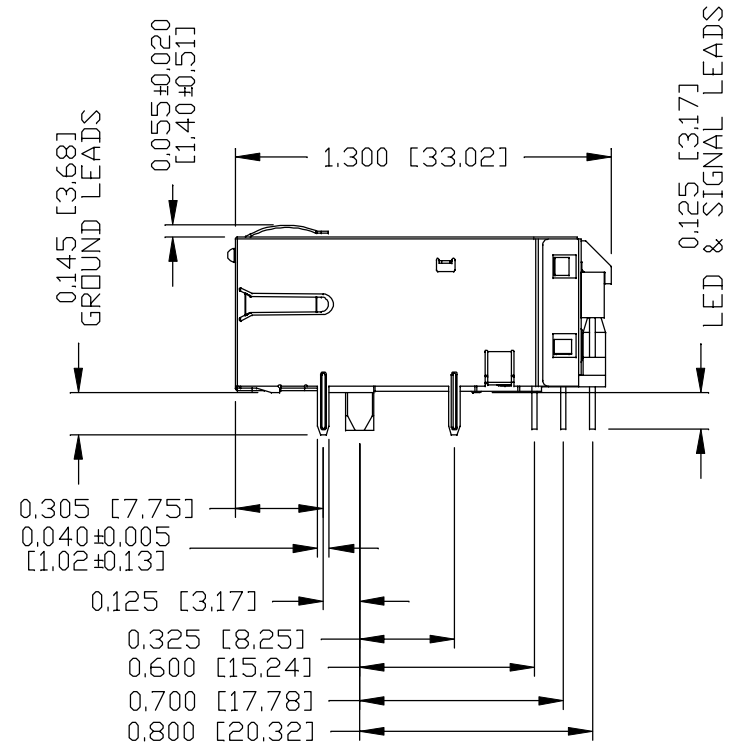
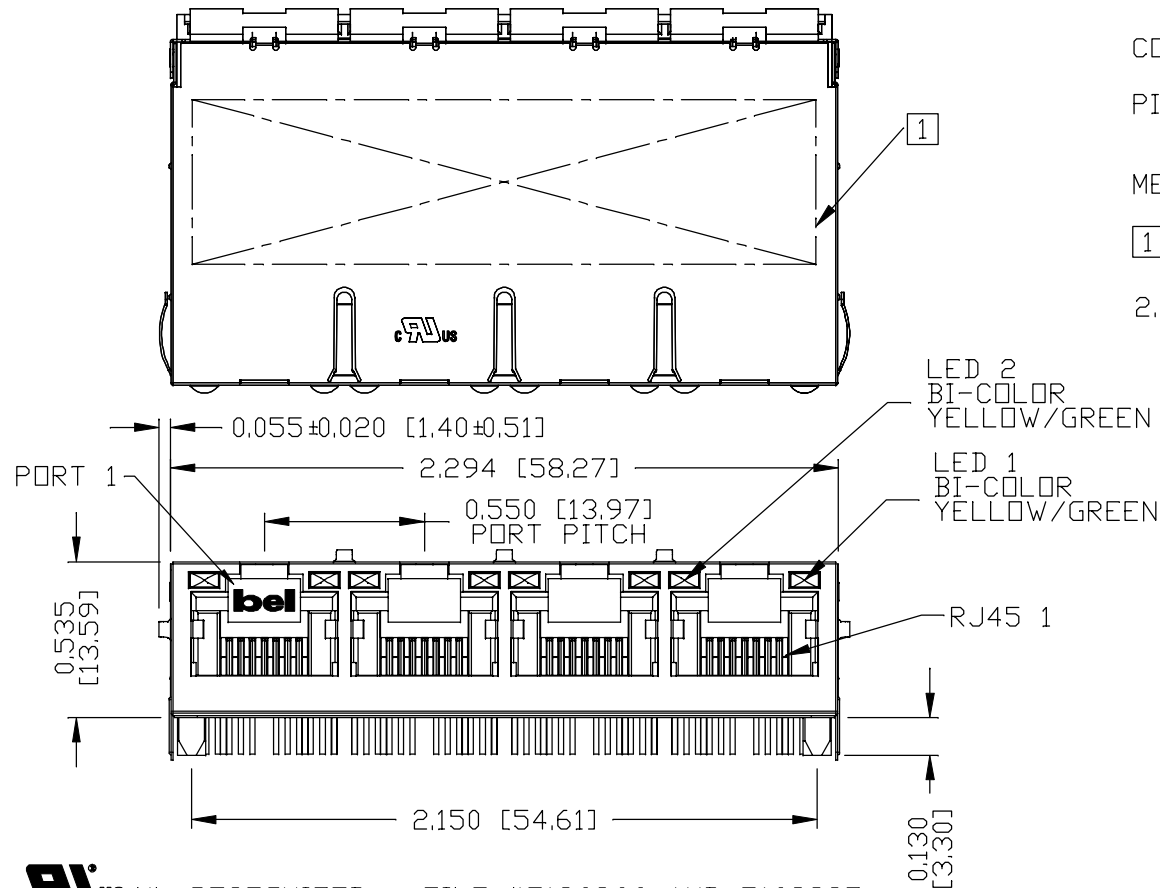
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



# NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK  
 FLAMMABILITY RATING UL 94V-0  
 CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.  
 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.  
 2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.



**UL** UL RECOGNIZED - FILE #E196366 AND E169987.

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

REV. : C

PAGE : 3

ORIGINATED BY  
LI QUANKUN  
DATE 2017-04-24

DRAWN BY  
ZHANG XUEZHENG  
DATE 2017-04-24

TITLE  
1X4 gigabit MagJack®  
(8 cores, Tab Up)  
0826-1C4T-43-F  
PATENTED

PART NO. / DRAWING NO.  
08261C4T43-F

FILE NAME  
08261C4T43-F\_C.DWG

STANDARD DIM.  
TOL. IN INCH

.X  
.XX  
.XXX

[ ] METRIC DIM.  
AS REF.

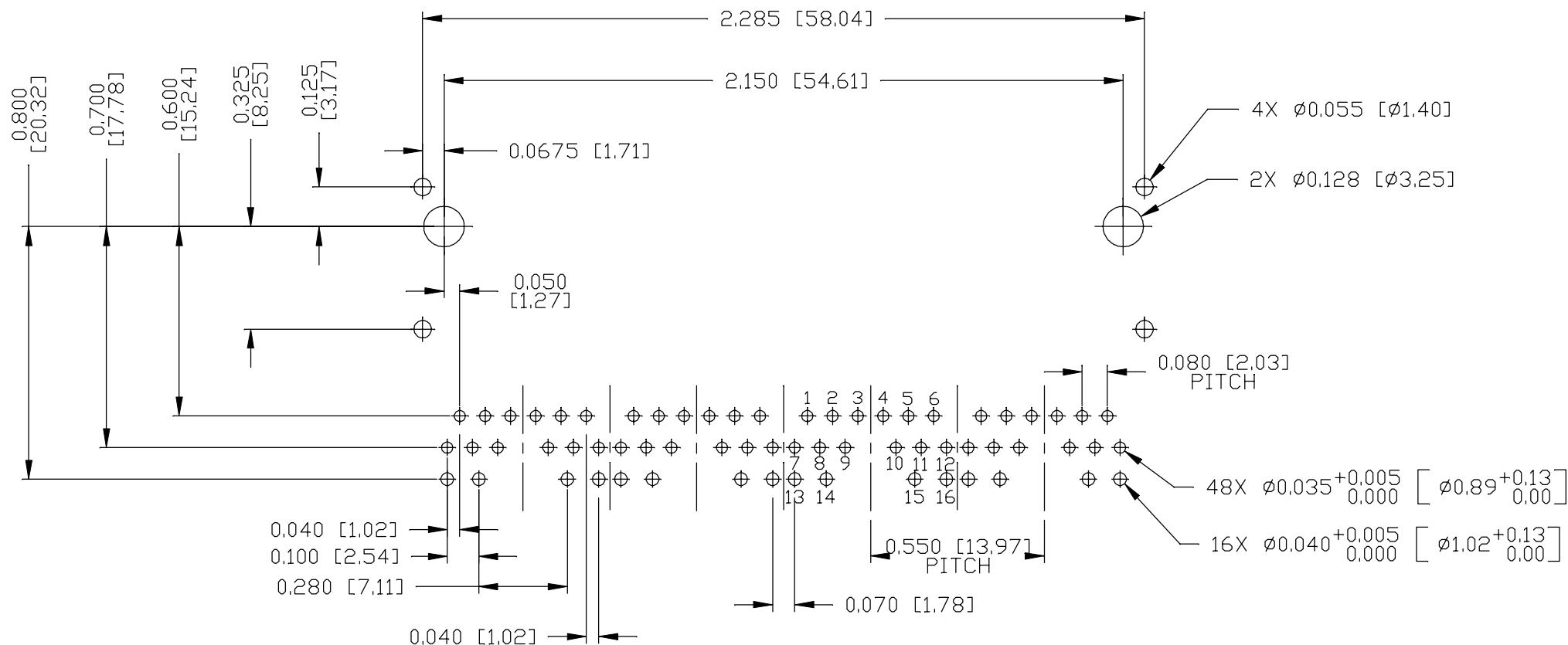
UNIT : INCH [mm]  
SCALE : N/A  
SIZE : A4



**bel** MAGNETIC SOLUTIONS  
a bel group

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



RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW

ORIGINATED BY  
LI QUANKUN  
DATE 2017-04-24  
DRAWN BY  
ZHANG XUEZHENG  
DATE 2017-04-24

TITLE  
1X4 glgabit MagJack®  
(8 cores, Tab Up)  
0826-1C4T-43-F  
PATENTED

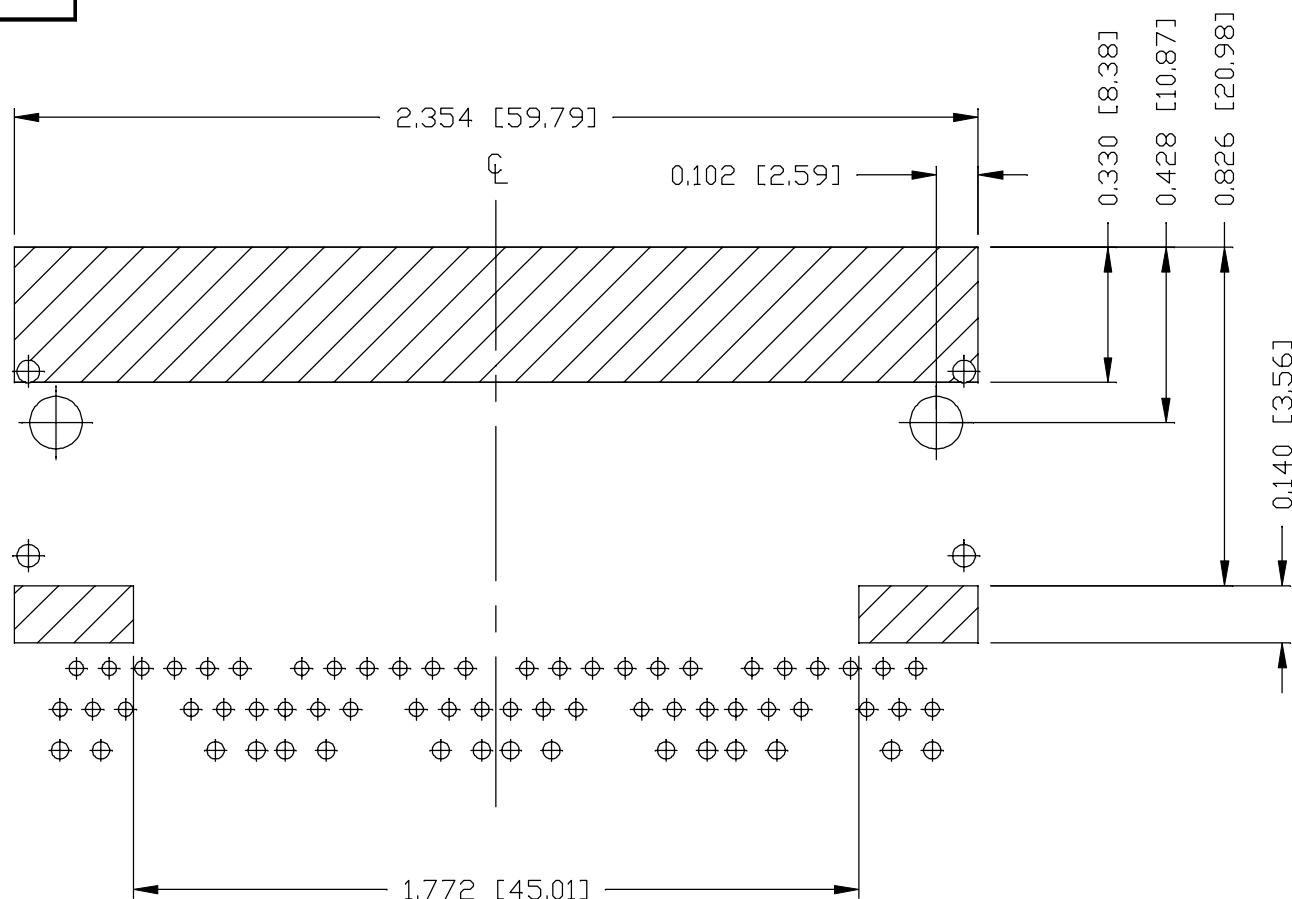
PART NO. / DRAWING NO.  
08261C4T43-F  
FILE NAME  
08261C4T43-F\_C.DWG

STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.004	SIZE : A4

REV. : C PAGE : 4

 **bel** MAGNETIC SOLUTIONS  
a bel group

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.



# NOTES:

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

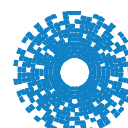
ORIGINATED BY  
LI QUANKUN  
DATE 2017-04-24  
DRAWN BY  
ZHANG XUEZHENG  
DATE 2017-04-24

TITLE  
1X4 gigabit MagJack®  
(8 cores, Tab Up)  
0826-1C4T-43-F  
PATENTED

PART NO. / DRAWING NO.  
08261C4T43-F  
FILE NAME  
08261C4T43-F\_C.DWG

STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.004	SIZE : A4

REV. : C	PAGE : 5
----------	----------



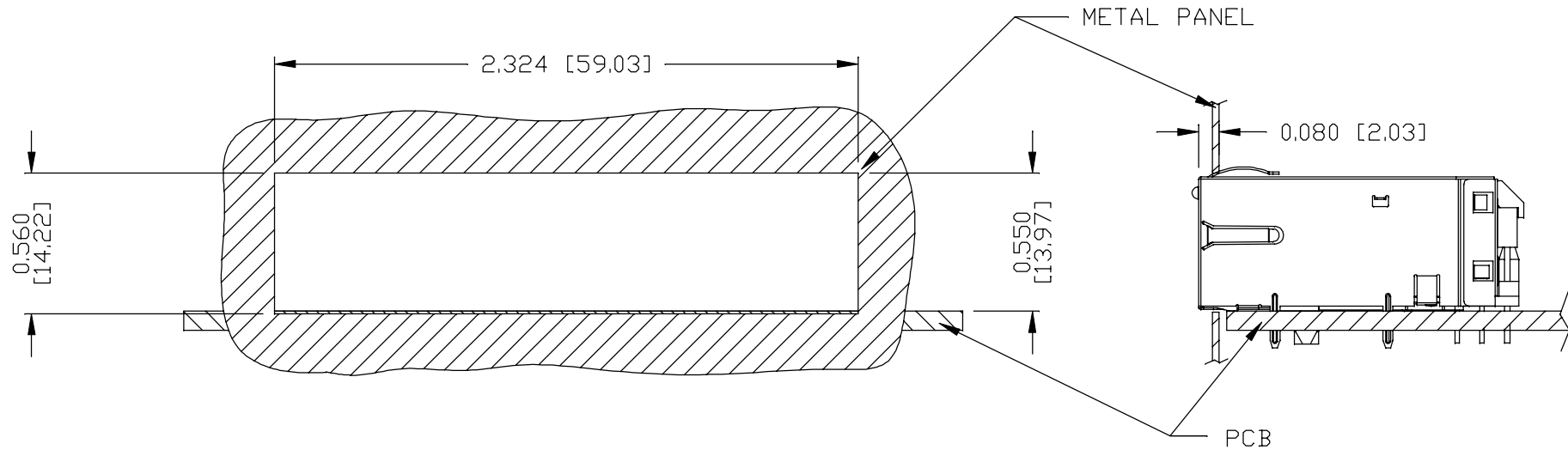
**bel**
MAGNETIC  
SOLUTIONS  
a bel group

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



# 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 : 0200-9999-B4 (TOP)

0200-9999-B5 (BOTTOM)

PACKING QUANTITY : 24 PCS FINISHED GOODS PER TRAY

10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX  
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : C PAGE : 6

ORIGINATED BY  
LI QUANKUN  
DATE 2017-04-24  
DRAWN BY  
ZHANG XUEZHENG  
DATE 2017-04-24

TITLE  
1X4 glgabit MagJack®  
(8 cores, Tab Up)  
0826-1C4T-43-F  
PATENTED

PART NO. / DRAWING NO.  
08261C4T43-F  
FILE NAME  
08261C4T43-F\_C.DWG

STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.004	SIZE : A4



# Mouser Electronics

Authorized Distributor

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

Bel:

[0826-1C4T-43-F](#)