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.

LE	D 1 POLA	RITY	LE	D 2 POLA	RITY
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
_	+	YELLOW	_	+	GREEN

13 •

14 •

YELLOW

TRD1+

TRCT1

TRD1-

TRD2+

TRCT2

TRD2-

TRD3+

TRCT3

TRD3-

TRD4+

TRCT4

TRD4-

GREEN

15 •

16 -

LED1

11 •

12 •

10

4

5

3

2

8

9

LED2



RJ45

1 TRP1+

TRP1-

TRP2-

TRP3+

TRP3-

TRP4+

TRP4-

3 TRP2+

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS	RATIO	
TP1		1CT : 1CT ±2%
TP2		1CT : 1CT ±2%
TP3		1CT : 1CT ±2%
TP4		1CT : 1CT ±2%
OCL @	100 kHz $/100$ m \vee RMS	
8mA	DC BIAS	350µH MIN.

INS. 1 DSS 0.1MHz TO 1MHz -1.1 dB MAX

-0.5 dB MAX 1MHz TO 65MHz 65MHz TO 100MHz -0.8 dB MAX 100MHz TD 125MHz -1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz -18 dB

40MHz-100MHz $-12+20L\Box G(f/80MHz) dB$

Cross Talk

Ch1-Ch2, Ch2-Ch3, Ch3-Ch4 Ch4-Ch1, Ch2-Ch4, Ch3-Ch1 1MHz - 30MHz -37dB MIN 30MHz - 80MHz -29dB MIN 80MHz - 100MHz -28dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN OPERATING TEMPERATURE 0 °C TO 70 °C

HIPOT (Isolation Voltage): 1500 Vrms 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

IFD 1

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. AD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

IFD 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

ORIGINATED BY	DATE	TITLE
CHOW WANCHUN	G 05-26-10	1X4 gigabit MagJack®
DRAWN BY	DATE	(12 cores, Tab Up)
LEE WEIDE	05-26-10	L826-1A4T-23-F

PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM. AS	REFERENCE
L8261A4T23-F		N INCH	UNIT : INCH [mm]	REV. : B
FILE NAME	.XX		SCALE: N/A	SIZE: A4
L8261A4T23-F_B.DWG	.XXX		\bigoplus	PAGE: 2

4X 75 DHMS

1000pF 2kV

SHIELD 7777

SCHEMATIC

1CT : 1CT

1CT : 1CT

1CT : 1CT

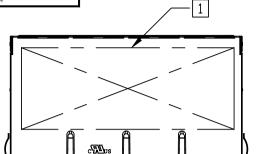
1CT : 1CT



DC002(2)051509	

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:

:2NI9

PLASTIC HOUSING:

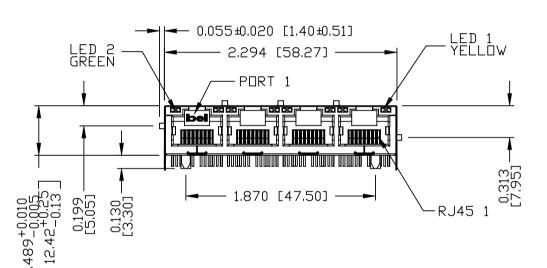
THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING

TIN-COATED COPPER WIRE, DIA 0.018 INCH. METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPING)



0.125 [3.18] & SIGNAL LEADS 0,055±0,020 [1,40±0,51] 1.290 [32.77] 0,145 CGROUND 0.428 [10.87] 0.325 [8.26] -0.600 [15.24] 0.700 [17.78] 0.800 [20.32] -

MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED. c Nus ul recognized - file #e196366 and e169987.

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

TITLE

RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

2. THE PRODUCT IS PATENT PRODUCT, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE
ANTON LIAO	05-26-10
DRAWN BY	DATE

1X4 gigabit MagJack® (12 cores, Tab Up) L826-1A4T-23-F

•	DIMIDI	LIVE DIME.	L] ******
L8261A4T23-F	TOL. I	N INCH	UNIT:
FILE NAME	.X		SCALE :
L 026144T22 E D D) /C	.XX		SCALE :
L8261A4T23-F_B.DWG	.XXX	±0.010	()-
to the arter of the community of the first of the contraction of	· · · · · · · · · · · · · · · · · · ·	al to ke one office	

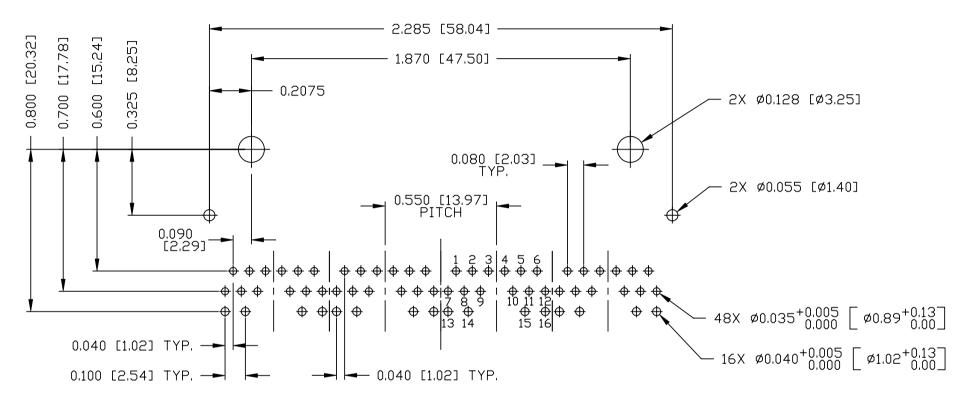
STANDA	RD DIM.	[] METRIC DIM. AS	REFERENCE
TOL. I	N INCH	UNIT : INCH [mm]	REV. : B
.XX		SCALE: N/A	SIZE: A4
.XXX	±0.010	-	PAGE: 3



PART NO. / DRAWING NO.

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.





RECOMMENDED PCB FOOTPRINT (COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE
ANTON LIAO	05-26-10	
DRAWN BY	DATE	1
SHAWN FENG	05-26-10	

1X4 gigabit MagJack® (12 cores, Tab Up) L826-1A4T-23-F

PART NO. / DRAWING NO.	STANDA	RD DIM.
L8261A4T23-F	TOL. I	N INCH
FILE NAME	.X	
	.XX	
L8261A4T23-F_B.DWG	.XXX	±0.004

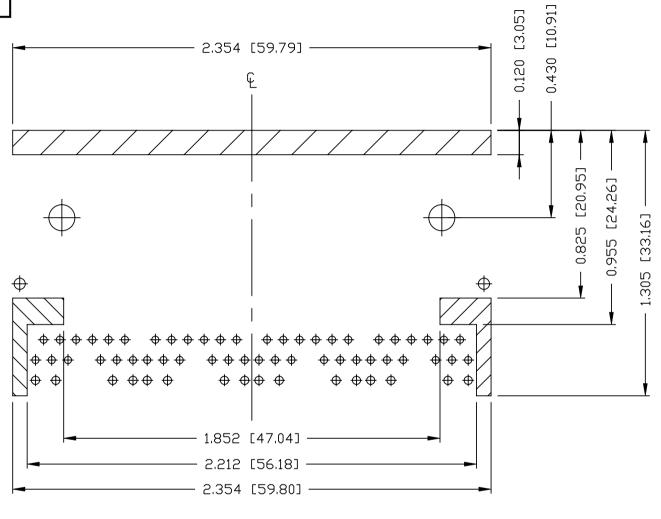
	[] METRIC DIM. AS	REFERE	NC:
	UNIT : INCH [mm]	REV. :	В
_	SCALE: N/A	SIZE :	A4
	$\bigoplus \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \;$	PAGE:	4



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.





NOTES

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

TITLE

ORIGINATED BY	DATE
ANTON LIAO	05-26-10
DRAWN BY	DATE

1X4 gigabit MagJack® (12 cores, Tab Up) L826-1A4T-23-F

PART NO. / DRAWING NO. L8261A4T23-F	STANDARD DIM. TOL. IN INCH	
FILE NAME	.X	
	.XX	
L8261A4T23-F_B.DWG	.XXX	±0.004

PART NO. / DRAWING NO.

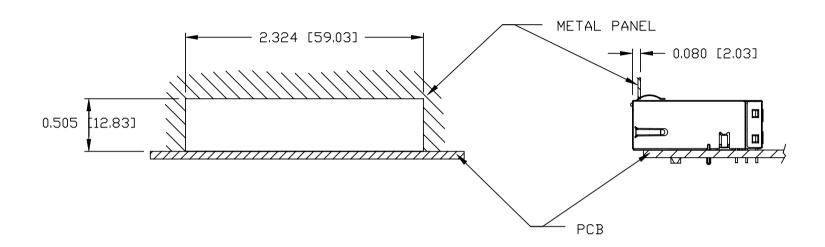
	[] METRIC DIM. AS REFERENCE					
_	UNIT : INCH [mm]	REV. : B				
	SCALE: N/A	SIZE: A4				
	$\bigoplus_{}$	PAGE: 5				



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.

SUGGESTED PANEL OPENING





NUIL: 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-D3 (TOP)

0200-9999-B5 (BOTTOM)

PACKING QUANTITY: 24 PCS FINISHED GOODS PER TRAY

10 TRAYS (240PCS FINISHED GOODS) PER CARTON BOX

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

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
ANTON LIAO	05-26-10	1X4 gigabit MagJack®	L8261A4T23-F	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE	(12 cores, Tab Up)	FILE NAME	.X	SCALE: N/A SIZE: A4
SHAWN FENG	05-26-10	L826-1A4T-23-F	L8261A4T23-F_B.DWG	.XX ±0.004	PAGE: 6

