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

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER 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.
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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

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENT

OPERATING TEMPERATURE: -40°C TO 85°C

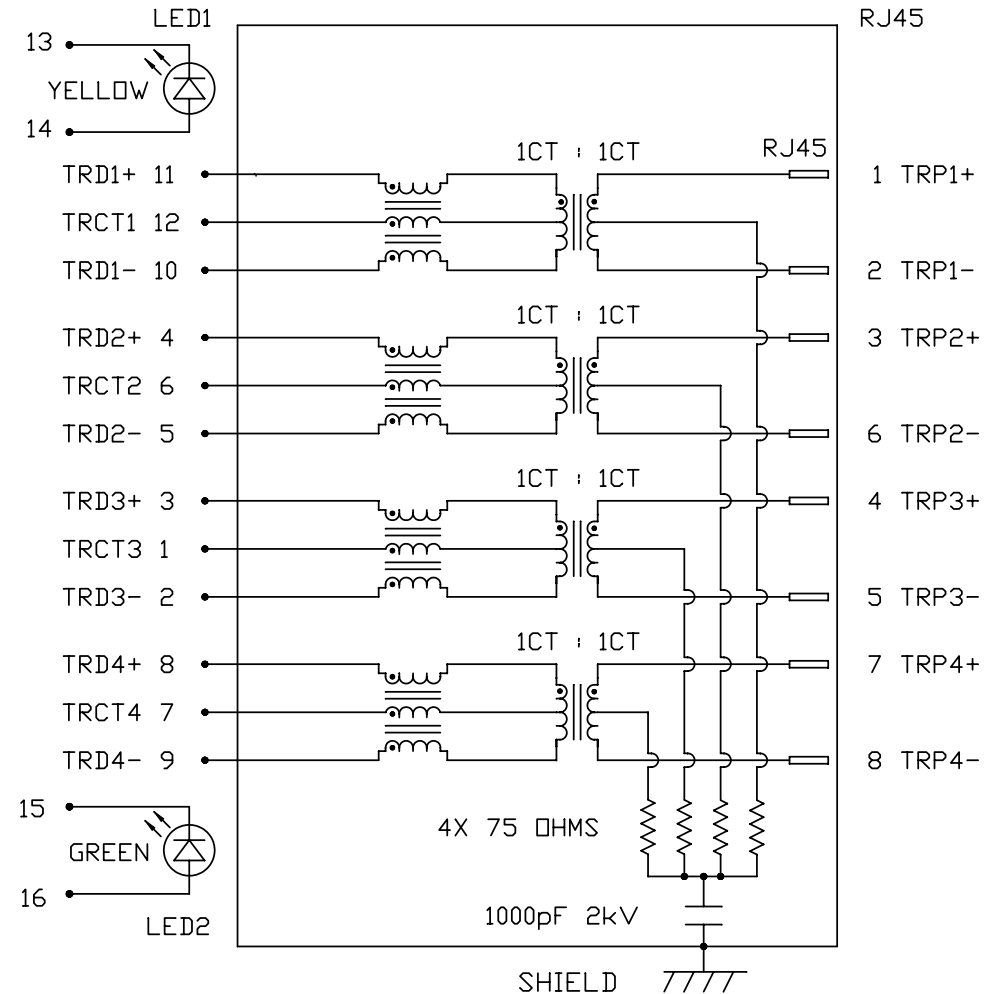
LED 1

V _F (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

LED 2

V _F (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

SCHEMATIC



ORIGINATED BY	DATE
CHOW WANGCHUNG	05-26-10
DRAWN BY	DATE
LEE WEIDE	05-26-10

TITLE
gigabit MagJack®
(Low Profile and
Extended temperature)
L826-1A4T-32-F

PART NO. / DRAWING NO.
L8261A4T32-F
FILE NAME
L8261A4T32-F_PB.DWG

STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX

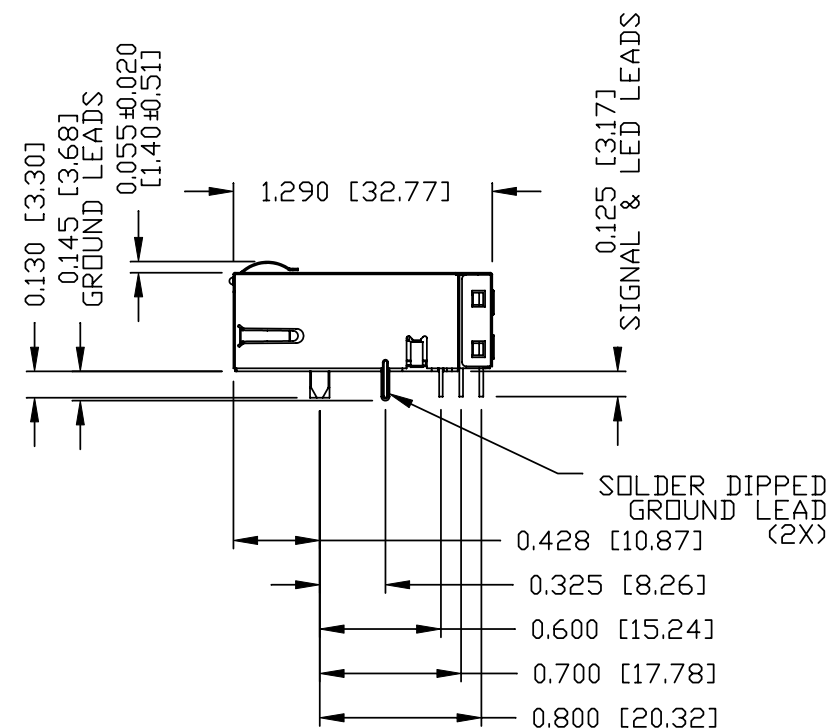
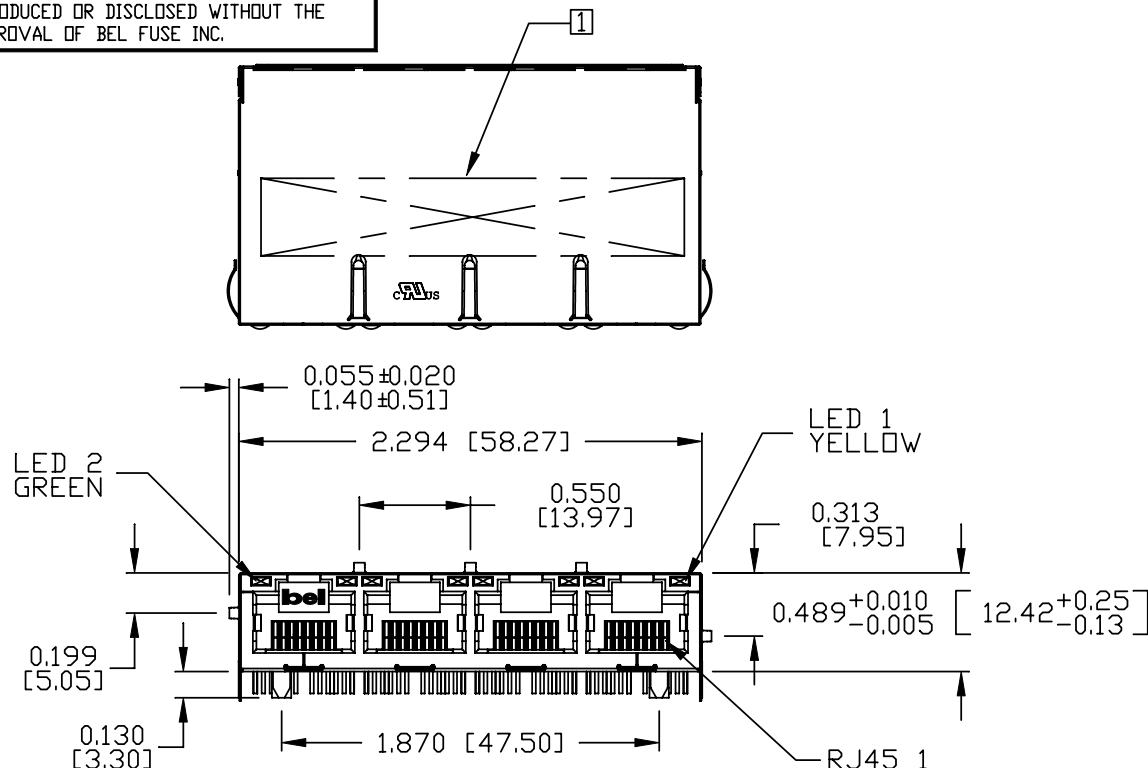
[] METRIC DIM. AS REFERENCE	
UNIT : INCH [mm]	REV. : PB
SCALE : N/A	SIZE : A4
	PAGE : 2



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RoHS
2002/95/EC

PRELIMINARY



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPING)

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

cFus UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

2. THE PRODUCT IS PATENT PRODUCT. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

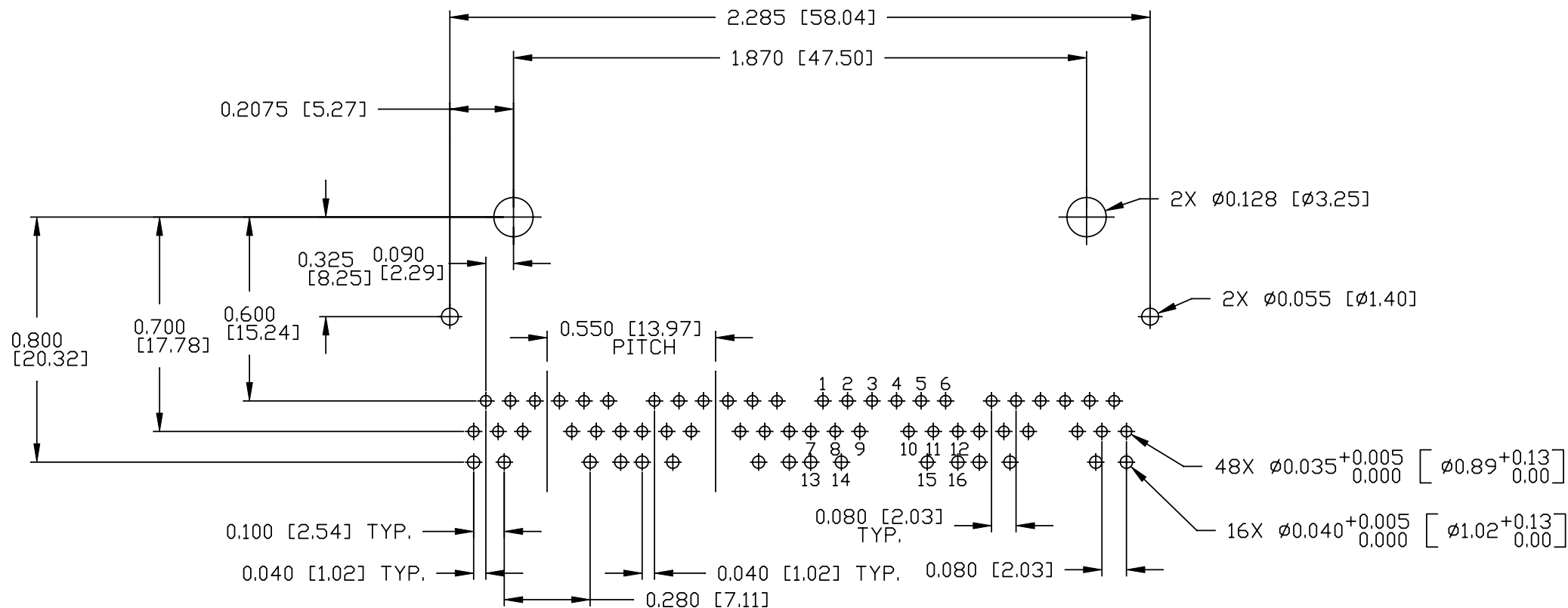
ORIGINATED BY	DATE	TITLE gigabit MagJack® (Low Profile and Extended temperature) L826-1A4T-32-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	05-26-10		L8261A4T32-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : PB	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
SHAWN FENG	05-26-10		L8261A4T32-F_PB.DWG	.XX		⊕		
			.XXX	±0.010				

bel
COMPONENTS FOR A
CONNECTED
PLANET

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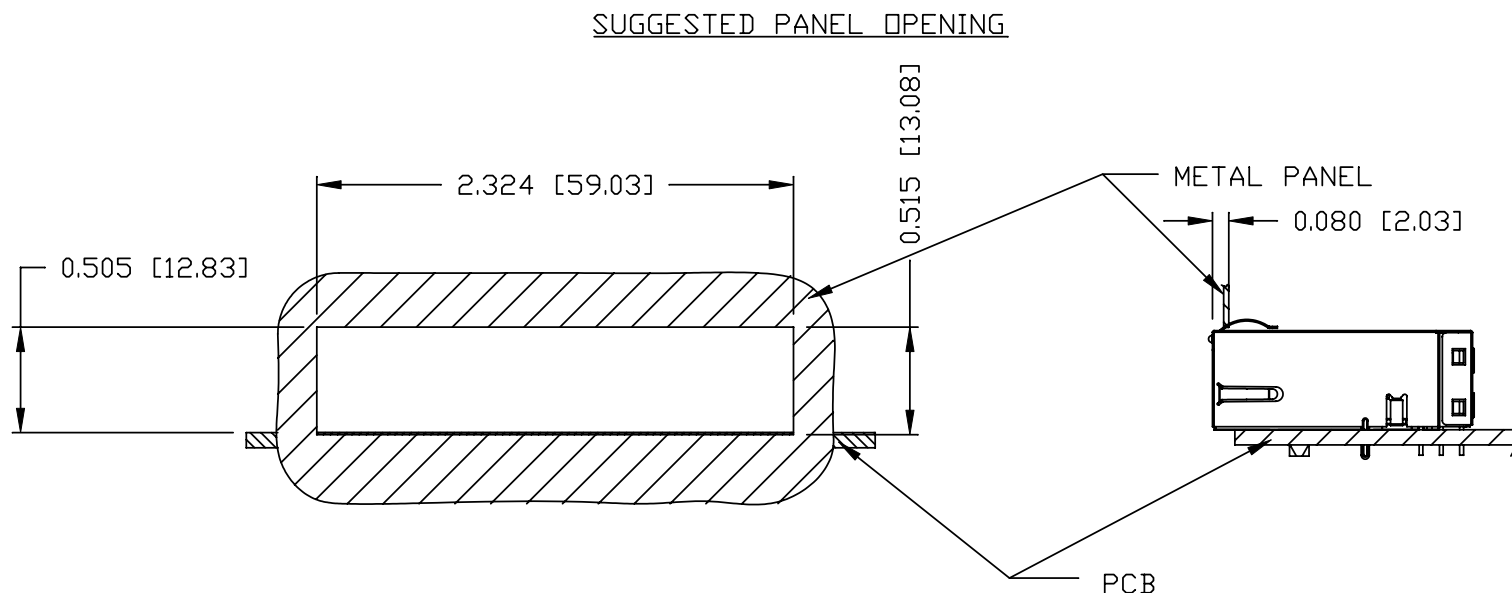


RECOMMENDED PCB FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY ANTON LIAO	DATE 05-26-10	TITLE gigabit MagJack® (Low Profile and Extended temperature) L826-1A4T-32-F	PART NO. / DRAWING NO. L8261A4T32-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : PB	
DRAWN BY SHAWN FENG	DATE 05-26-10		FILE NAME L8261A4T32-F_PB.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

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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-D3 (TOP)

0200-9999-B5 (BOTTOM)

PACKING QUANTITY: 24 PCS FINISHED GOODS PER TRAY

10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX

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

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				.X		UNIT : INCH [mm]	REV. : PB	
DRAWN BY SHAWN FENG	DATE 05-26-10	FILE NAME L826-1A4T-32-F	L8261A4T32-F_PB.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 5	