

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 11	PIN 12	COLOR
+	-	GREEN	+	-	GREEN



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

CL @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
-------------	------------

INS. LOSS

0.5MHZ TO 100MHZ	-1.1 dB MAX
------------------	-------------

RET. LOSS (MIN)

0.5MHZ-40MHZ	-18 dB
40MHZ-100MHZ	-12+20LOG(f/80MHZ) dB

CROSS TALK:

1MHZ - 40MHZ	-35 dB MIN
40MHZ - 80MHZ	-24 dB MIN
80Hz - 100MHZ	-25 dB MIN

CM TO CM REJ

100kHz - 100MHZ	-30 dB MIN
-----------------	------------

CM TO DM REJ

100kHz - 100MHZ	-35 dB MIN
-----------------	------------

HIPOT (Isolation Voltage):

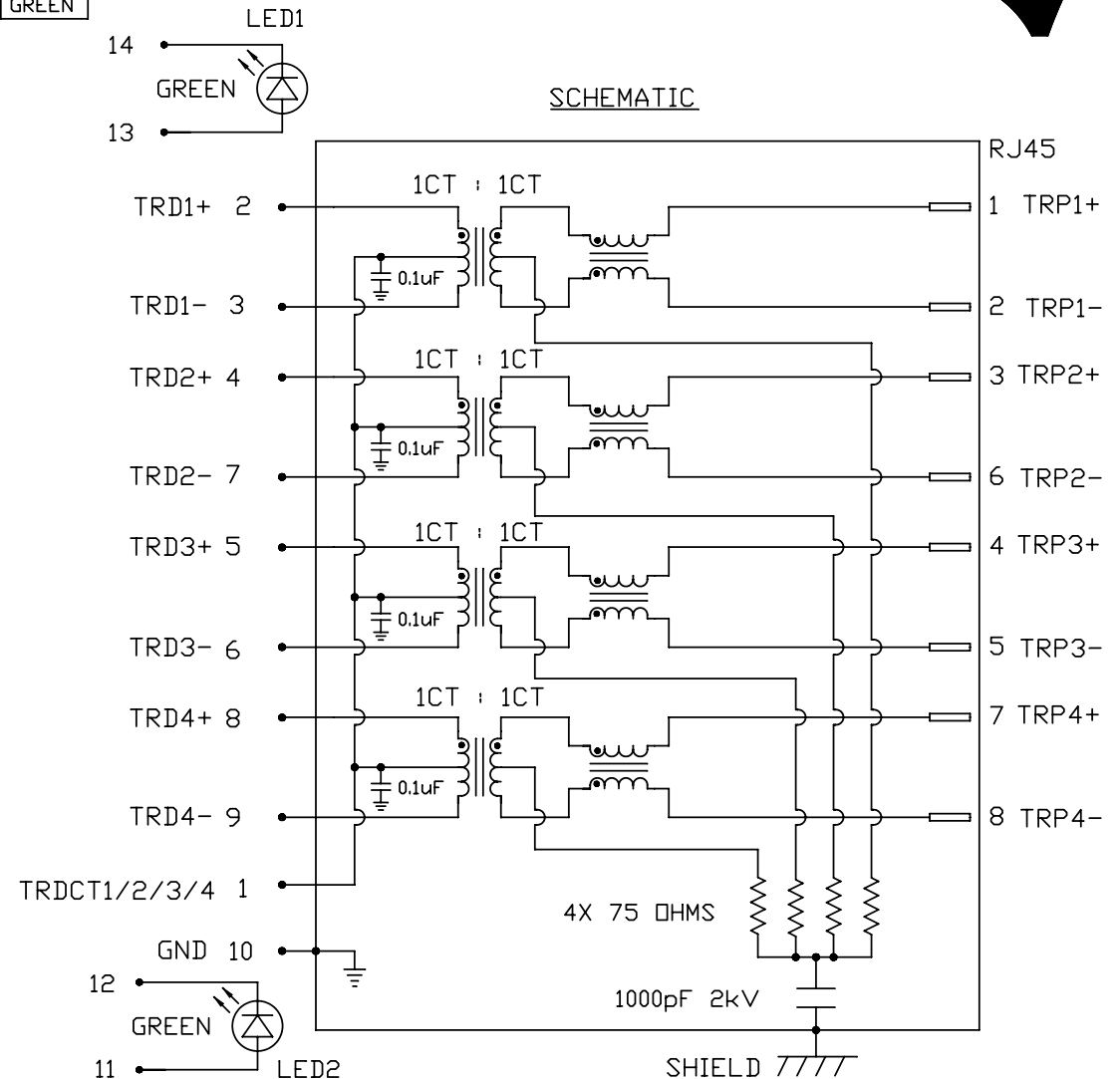
1500 Vrms

OPERATING TEMPERATURE:

0°C TO 70°C

LED 1 AND LED 2

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

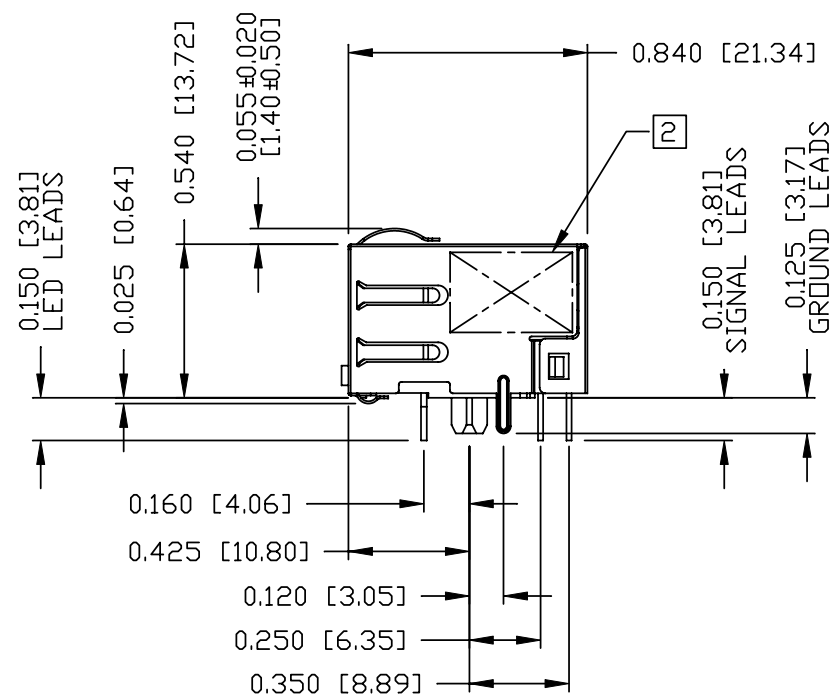
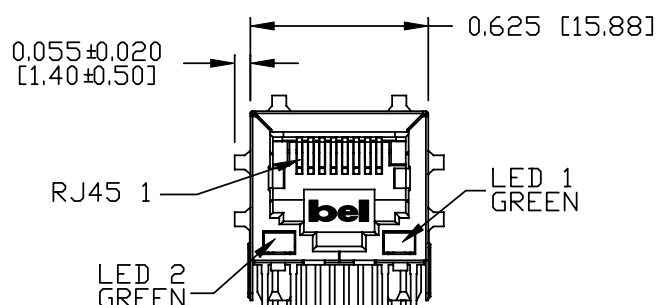
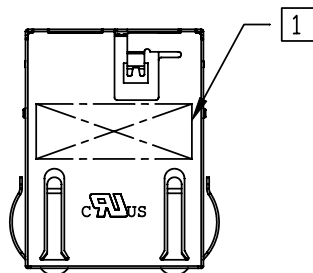


ORIGINATED BY OR CHIKEUNG	DATE 2011-10-28	TITLE Gigabit MagJack® WITH LED	PART NO. / DRAWING NO. SI-61017-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS ARE CONNECTED PLANET
DRAWN BY FANG JIAHAD	DATE 2011-10-28		FILE NAME SI-61017-F_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX			PAGE : 2	



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
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 DIPPED)

1 MARK PART WITH MFG PART NUMBER(SI-61017-F), DATE CODE.

2 MARK PART WITH MFG LOGO, MFG NAME.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

4. THE PRODUCT IS RoHS COMPLIANCE

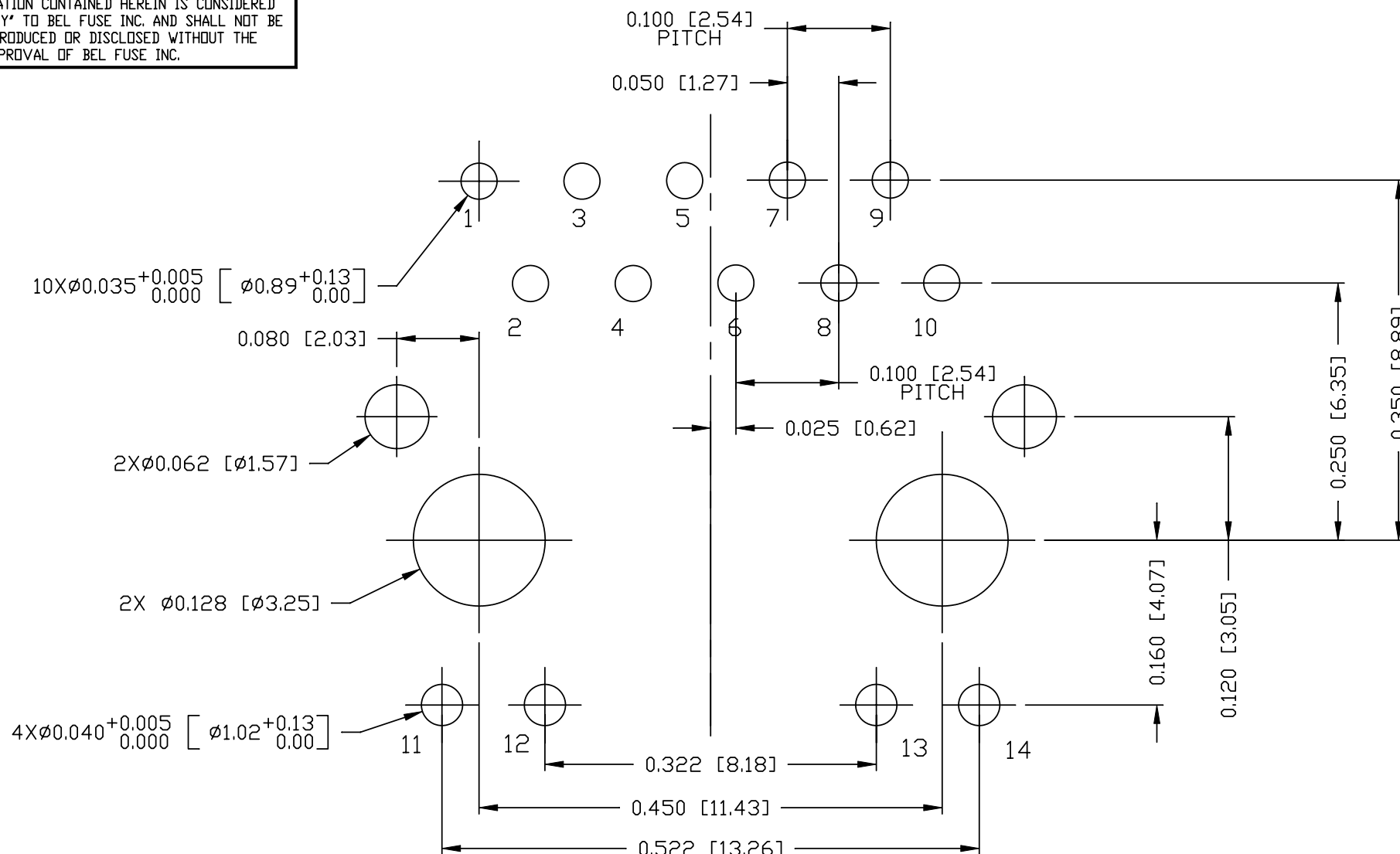
cULus UL RECOGNIZED - FILE #E132408.

ORIGINATED BY OR CHIKEUNG	DATE 2011-10-28	TITLE Gigabit MagJack® WITH LED	PART NO. / DRAWING NO. SI-61017-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY FANG JIAHAD	DATE 2011-10-28		FILE NAME SI-61017-F_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.010		PAGE : 3



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

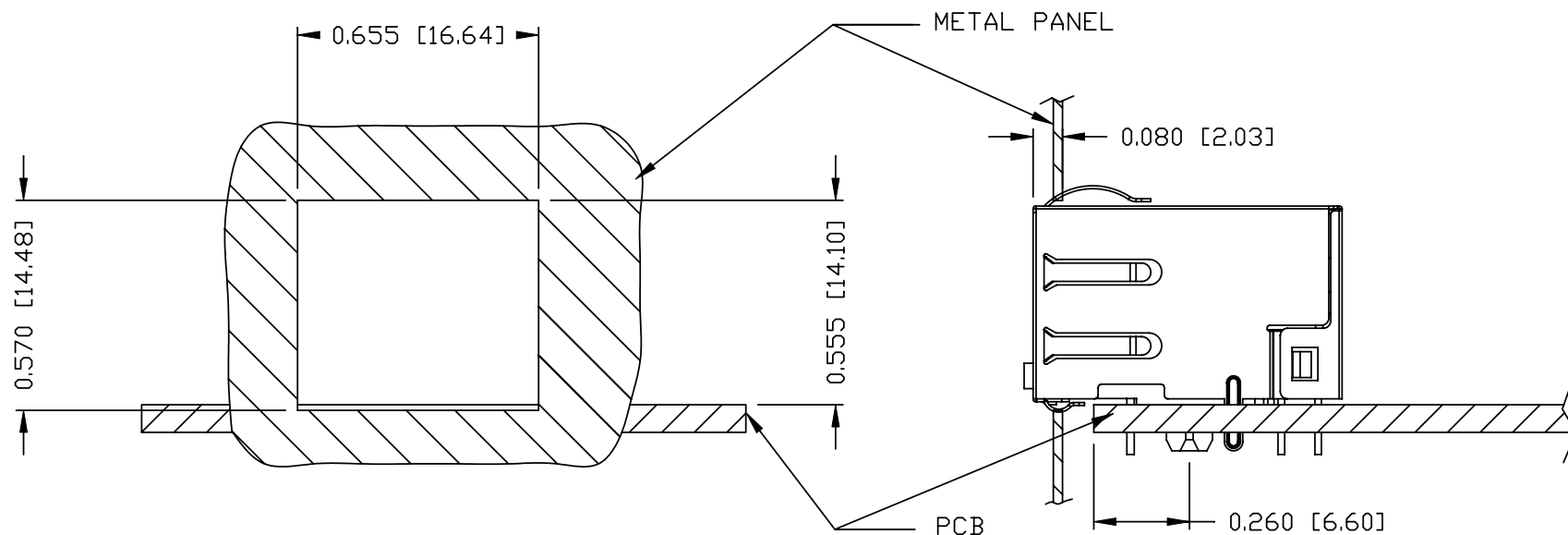
ORIGINATED BY OR CHIKEUNG	DATE 2011-10-28	TITLE Gigabit MagJack® WITH LED	PART NO. / DRAWING NO. SI-61017-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY FANG JIAHAO	DATE 2011-10-28		FILE NAME SI-61017-F_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
				.XX		SCALE : N/A	SIZE : A4	
		.XXX		±0.004		PAGE : 4		

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-Q7 (TOP)

0200-9999-Q8 (BOTTOM)

PACKING QUANTITY : 80 PCS FINISHED GOODS PER TRAY

10 TRAYS (800 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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
OR CHIKEUNG	2011-10-28	Gigabit MagJack® WITH LED	SI-61017-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 5
FANG JIAHAO	2011-10-28		SI-61017-F_B.DWG	.XXX	±0.004		

