

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 9	PIN 10	COLOR	PIN 11	PIN 12	COLOR
+	-	GREEN	+	-	GREEN
-	+	ORANGE	-	+	ORANGE



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX	1CT : 1
RX	1CT : 1

CL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C)	350μH MIN.
--------------------------	------------

INS. LOSS

1MHZ TO 100MHZ	-1.1 dB MAX
----------------	-------------

RET. LOSS (MIN) @ 100ΩHMS ±15%

1MHZ-30MHZ	-18 dB
30MHZ-60MHZ	-18+20LOG(F/30MHZ) dB
60MHZ-80MHZ	-12 dB

CROSS TALK (TX - RX)

100kHz-100MHZ	-35 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.

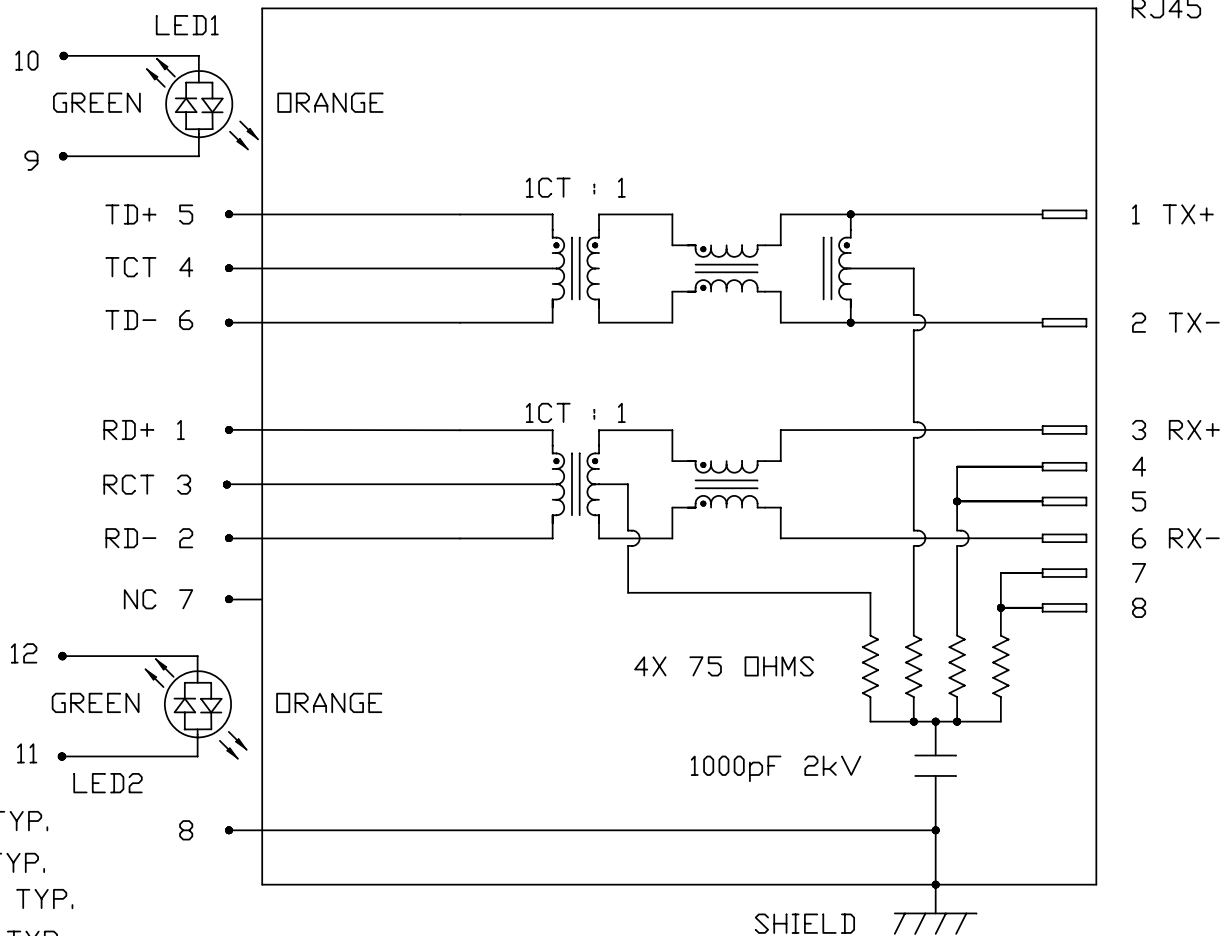
LED 1 & 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
----------------------	---------	-------	-----------

ORANGE	2.0V TYP.
--------	-----------

λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
--------------------------	---------	-------	------------

ORANGE	610nm TYP.
--------	------------



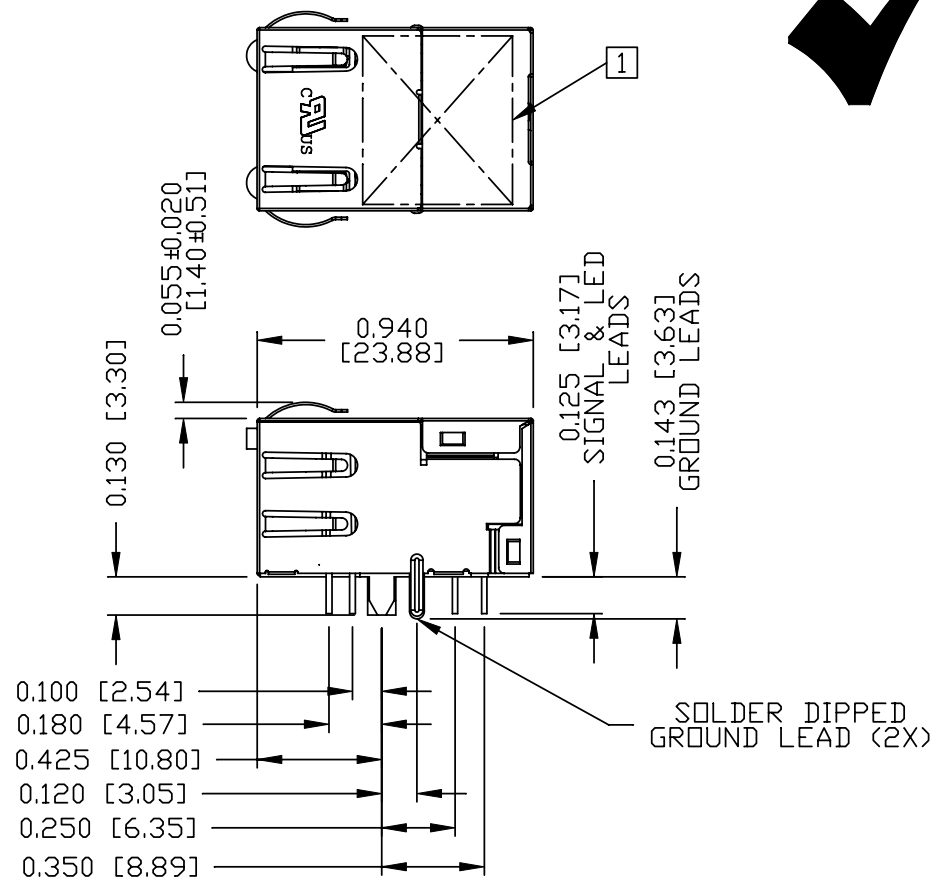
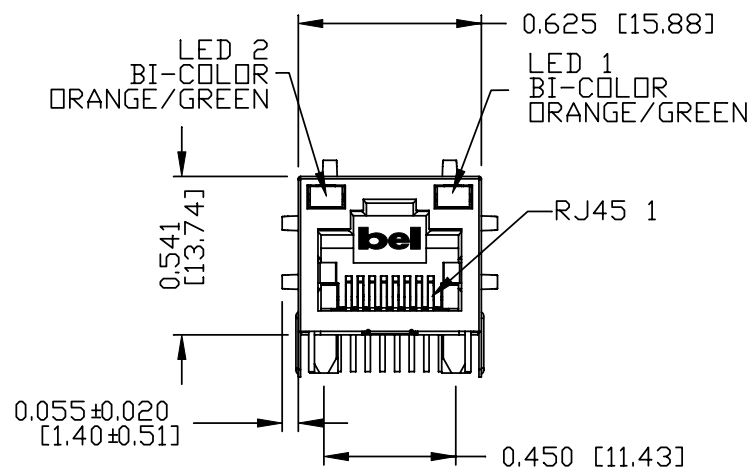
ORIGINATED BY CHOW WANCHUNG	DATE 2012-08-23	TITLE 1X1 MagJack® WITH LEDs PATENTED	PART NO. / DRAWING NO. 0875-1B1T-P1	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY TAN QIGUANG	DATE 2012-08-23		FILE NAME 0875-1B1T-P1_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.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.

MECHANICAL SPECIFICATION

RoHS



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT.
FLAMMABILITY RATING UL 94V-0
CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
OUTPUT PINS: LEAD FREE COPPER WIRES, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

- MARK PART WITH MFG LOGO, NAME, PART NUMBER, DATE CODE AND PATENTED.
- THE PRODUCT IS RoHS COMPLIANT.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
3. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S.PAT. 6,840,817.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-08-23	1X1 MagJack ® WITH LEDs PATENTED	0875-1B1T-P1	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-08-23		0875-1B1T-P1_B.DWG	.XXX ±0.010	PAGE : 3



This document is electronically generated. This is a controlled copy if used internally

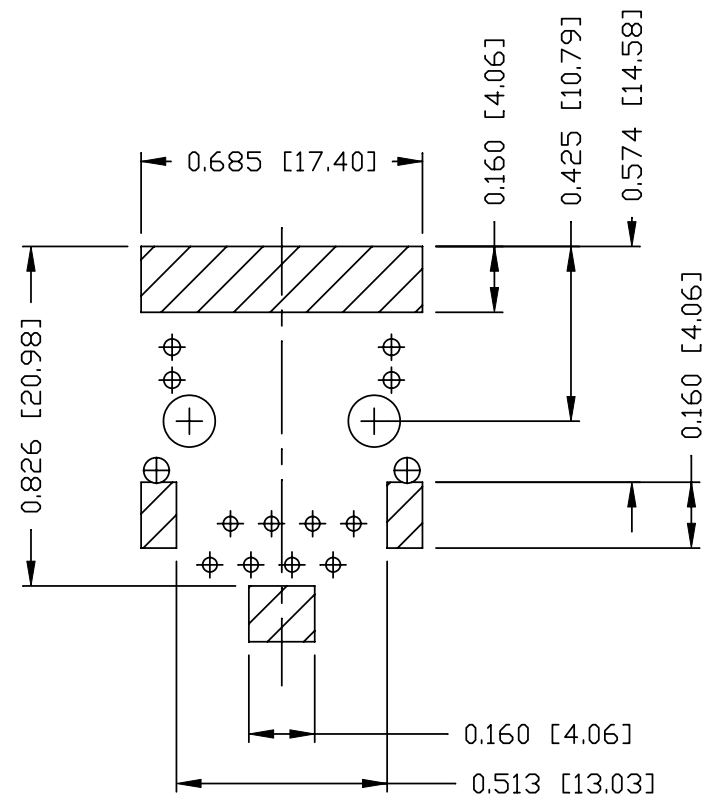
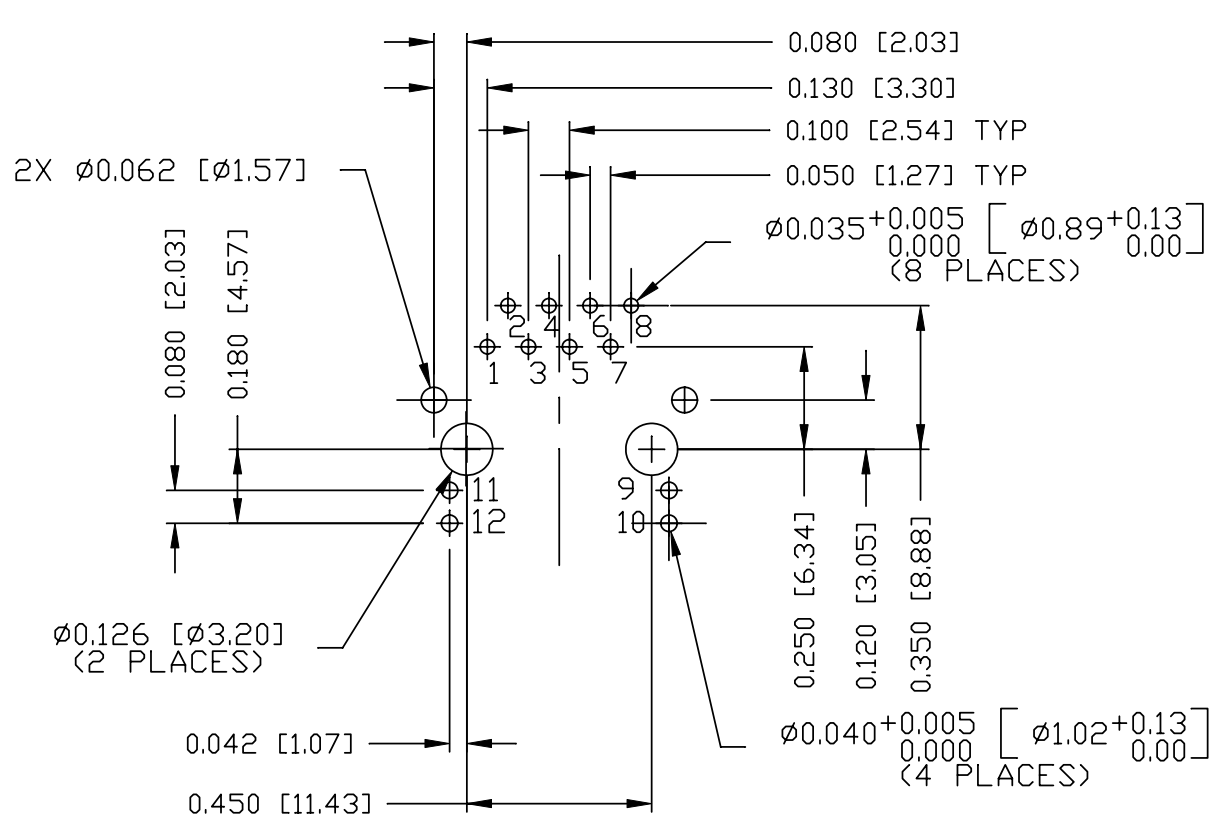
THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



NOTE:

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	2012-08-23		0875-1B1T-P1	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-08-23		0875-1B1T-P1_B.DWG	.XX			PAGE : 4	
			.XXX	±0.004				

DC002(2)081111

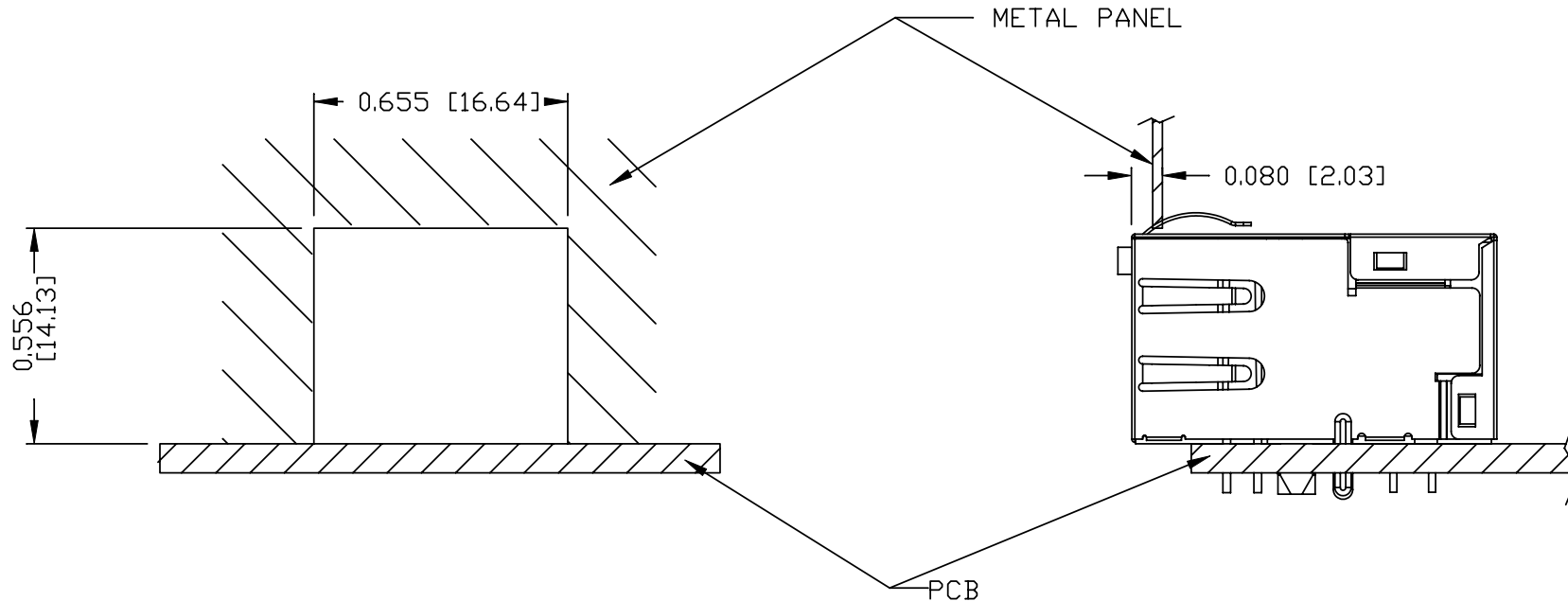
This document is electronically generated. This is a controlled copy if used internally

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-H7 (TOP)

0200-9999-H8 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

10 TRAYS (600 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 1X1 MagJack® WITH LEDs PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAO	2012-08-23		0875-1B1T-P1	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-08-23		0875-1B1T-P1_B.DWG	.XX			PAGE : 5	
				.XXX	±0.004			