

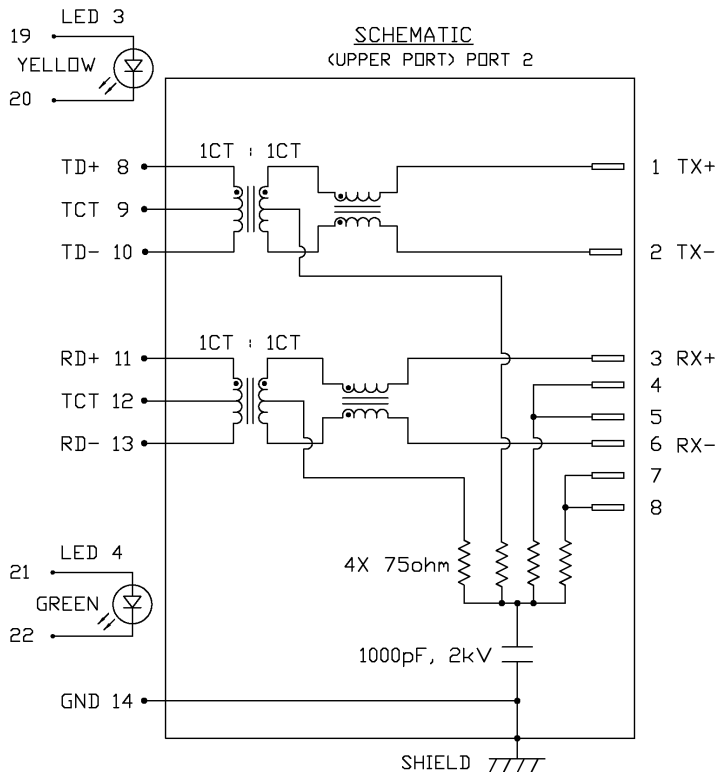
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

LED 3 POLARITY			LED 4 POLARITY		
PIN 19	PIN 20	COLOR	PIN 21	PIN 22	COLOR
+	-	YELLOW	+	-	GREEN



**ELECTRICAL CHARACTERISTICS @ 25°C**

<b>URNS RATIO</b>	
TX	1CT : 1CT ±3%
RX	1CT : 1CT ±3%
<b>DCL @ 100kHz/100mVRMS</b>	
8mA DC BIAS	350µH MIN.
<b>INS. LOSS</b>	
1MHz TO 100MHz	-1.0 dB MAX
<b>RET. LOSS (MIN)</b>	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
<b>CROSS TALK (TX - RX)</b>	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
<b>CM TO CM REJ</b>	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
<b>CM TO DM REJ</b>	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN
<b>HIPDT (Isolation Voltage):</b>	
LED 3 (Super bright)	1500 Vrms
<b>LED 3 (Super bright)</b>	
V <sub>F</sub> (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.
λ <sub>D</sub> (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP.
<b>LED 4 (Super bright)</b>	
V <sub>F</sub> (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λ <sub>D</sub> (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.



<b>ORIGINATED BY</b>	<b>DATE</b>	<b>TITLE</b>	<b>PART NO. / DRAWING NO.</b>	<b>STANDARD DIM.</b>		<b>[ ] METRIC DIM. AS REFERENCE</b>		 <small>COMPONENTS ARE A CONNECTED PLANE!</small>
CHUNG	12-14-05			0845-2D1T-H5	<b>TOL. IN INCH</b>		UNIT : INCH [mm]	
<b>DRAWN BY</b>	<b>DATE</b>	2X1 MagJack® (with LED)	<b>FILE NAME</b>	.X	SCALE : N/A	SIZE : A4		
DE	12-14-05		08452D1TH5B.DWG	.XX	SCALE : N/A	SIZE : A4		
				.XXX	PAGE : 2			

DC002(2)032305 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.

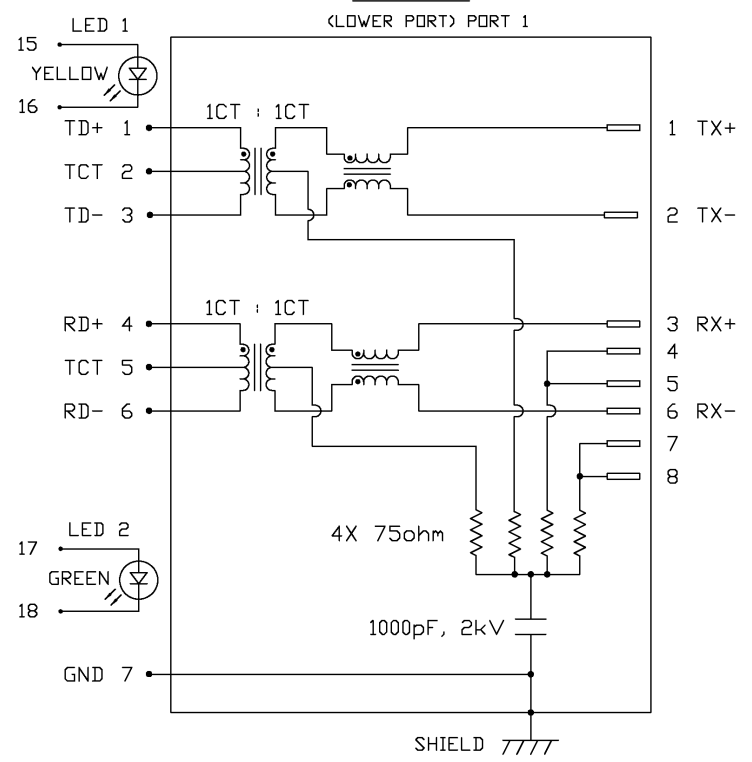


LED 1 POLARITY			LED 2 POLARITY		
PIN 15	PIN 16	COLOR	PIN 17	PIN 18	COLOR
+	-	YELLOW	+	-	GREEN

**ELECTRICAL CHARACTERISTICS @ 25°C**

<b>TURNS RATIO</b>	
TX	1CT : 1CT ±3%
RX	1CT : 1CT ±3%
<b>OCL @ 100kHz/100mVRMS</b>	
8mA DC BIAS	350µH MIN.
<b>INS. LOSS</b>	
1MHz TO 100MHz	-1.0 dB MAX
<b>RET. LOSS (MIN)</b>	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB
<b>CROSS TALK (TX - RX)</b>	
500kHz-1MHz	-70 dB MIN
10 MHz	-50 dB MIN
30 MHz	-45 dB MIN
50 MHz	-40 dB MIN
100 MHz	-35 dB MIN
<b>CM TO CM REJ</b>	
100kHz-1MHz	-70 dB MIN
10 MHz	-47 dB MIN
30 MHz	-42 dB MIN
60 MHz	-37 dB MIN
100 MHz	-30 dB MIN
<b>CM TO DM REJ</b>	
100kHz-1MHz	-70 dB MIN
10 MHz	-60 dB MIN
30 MHz	-50 dB MIN
60 MHz	-45 dB MIN
100 MHz	-40 dB MIN
<b>HIPDT (Isolation Voltage):</b>	1500 Vrms
<b>LED 1</b>	
V <sub>F</sub> (FORWARD VOLTAGE) IF=20mA	YELLOW 2.1V TYP.
λ <sub>D</sub> (DOMINANT WAVELENGTH) IF=20mA	YELLOW 590nm TYP.
<b>LED 2</b>	
V <sub>F</sub> (FORWARD VOLTAGE) IF=20mA	GREEN 2.2V TYP.
λ <sub>D</sub> (DOMINANT WAVELENGTH) IF=20mA	GREEN 565nm TYP.

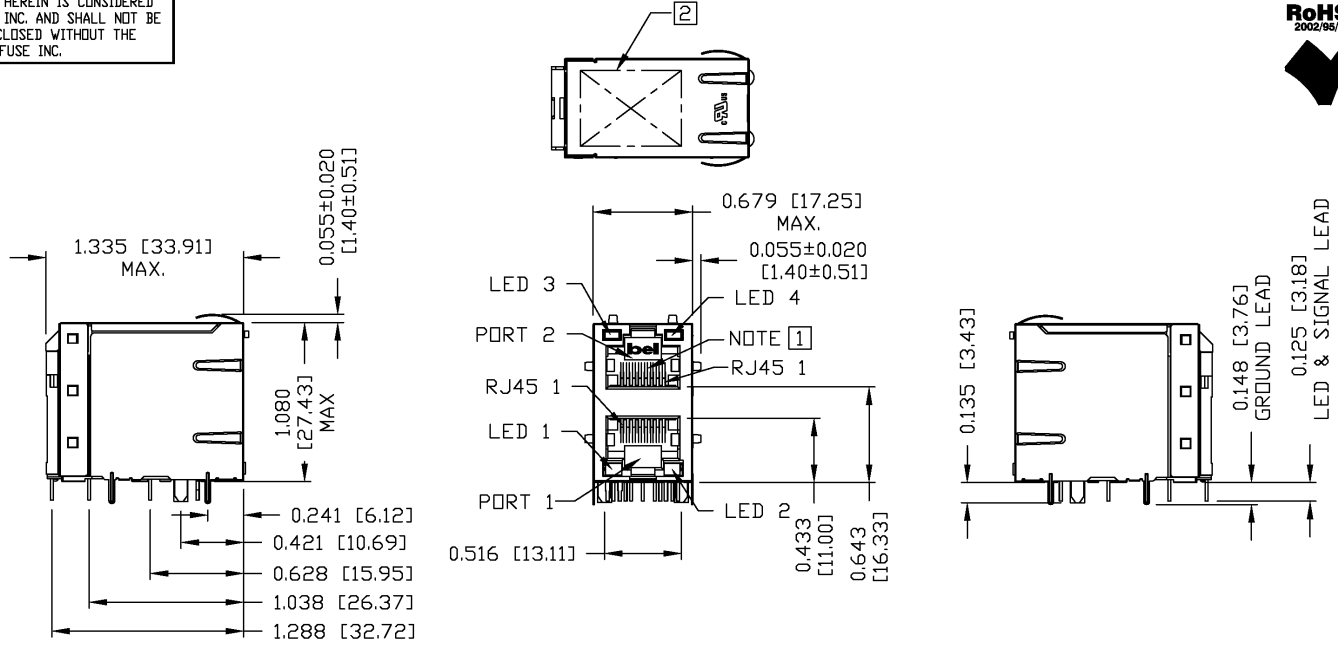
**SCHEMATIC**



<b>ORIGINATED BY</b>	<b>DATE</b>	<b>TITLE</b>	<b>PART NO. / DRAWING NO.</b>	<b>STANDARD DIM. TOL. IN INCH</b>	<b>[ ] METRIC DIM. AS REFERENCE</b>
CHUNG	12-14-05	2X1 MagJack® (with LED)	0845-2D1T-H5	.X	UNIT : INCH [mm]
<b>DRAWN BY</b>	<b>DATE</b>		<b>FILE NAME</b>	.XX	SCALE : N/A
DE	12-14-05		08452D1TH5B.DWG	.XXX	SIZE : A4
					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.



**NOTES:**

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

- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

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

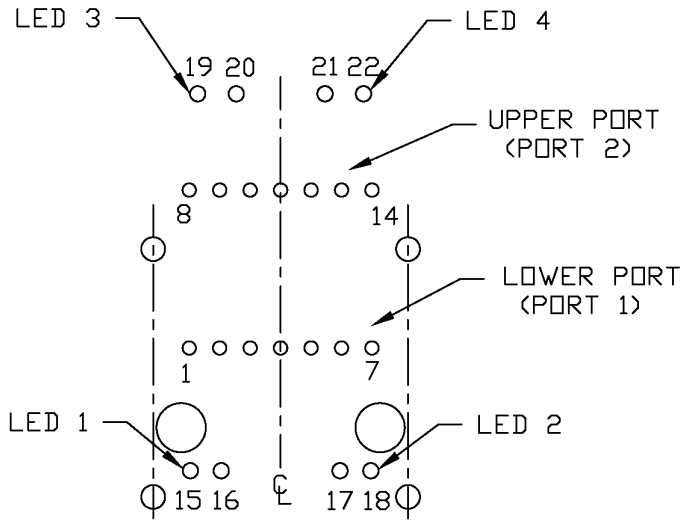
ORIGINATED BY BILL/KEUNG	DATE 12-14-05	TITLE 2X1 MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2D1T-H5	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE		 COMPONENTS ARE A CONNECTED PLANET
				.X		UNIT : INCH [mm]	REV. : B	
DRAWN BY QIN	DATE 12-14-05		FILE NAME 08452D1TH5B.DWG	.XX		SCALE : N/A	SIZE : A4	PAGE : 4
				.XXX	±0.010			

DC002(2)032305

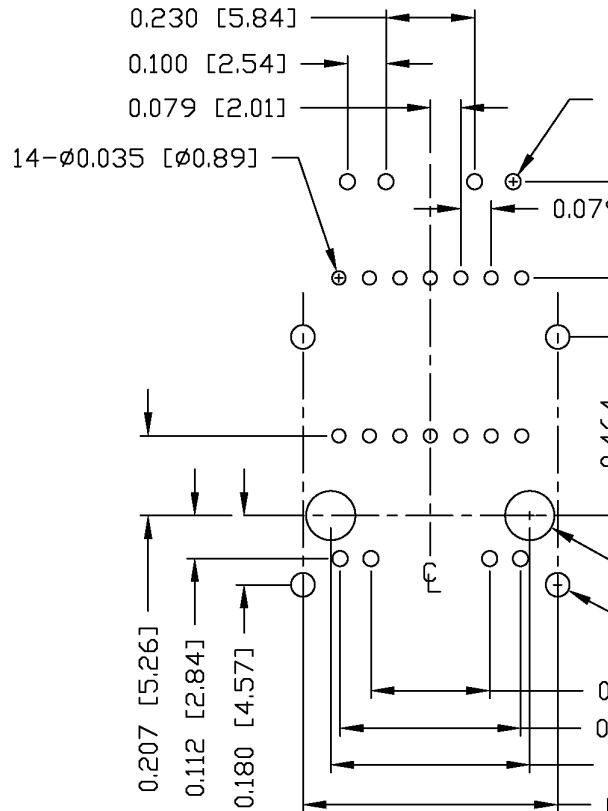
This document is electronically generated. This is a controlled copy if used internally

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.

LED CONFIGURATION



PIN-OUT INFORMATION  
(COMPONENT SIDE VIEW)  
(SCALE 2:1)

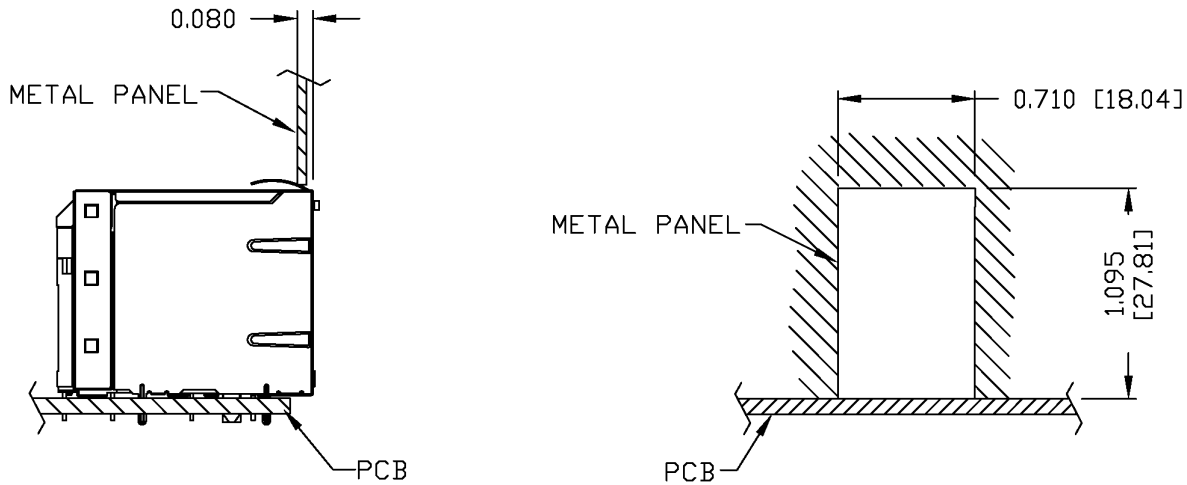


SUGGESTED FOOTPRINT  
(COMPONENT SIDE VIEW)  
(SCALE 2:1)

ORIGINATED BY BILL/KEUNG	DATE 12-14-05	TITLE 2X1 MagJack® (with LED)	PART NO. / DRAWING NO. 0845-2D1T-H5	STANDARD DIM. TOL. IN INCH	[ ] ME
DRAWN BY QIN	DATE 12-14-05		FILE NAME 08452D1TH5B.DWG	.X .XX .XXX	UNIT : SCALE
				±0.010	⊕

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



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-H5 (TOP)  
0200-9999-H6 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY  
6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.  
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[ ] ME
BILL/KEUNG	12-14-05	2X1 MagJack® (with LED)	0845-2D1T-H5	TOL. IN INCH	UNIT :
DRAWN BY	DATE		FILE NAME	.X	SCALE
QIN	12-14-05		08452D1TH5B.DWG	.XX	
				.XXX	±0.005

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Modular Connectors / Ethernet Connectors](#) category:*

*Click to view products by [Bel Fuse](#) manufacturer:*

Other Similar products are found below :

[8949-H88/06BLKA/SN](#) [74441-0010/BKN](#) [MP1010RX-1000](#) [MP44RX-1000](#) [PHJ-4P4C-1-V-4](#) [PHP-6P6C-5](#) [GAX-3-66](#) [GAX-8-62](#) [GDCX-PA-66-50](#) [GDCX-PN-64](#) [GDCX-PN-66](#) [GDCX-PN-66-50](#) [GDLX-A-66](#) [GDLX-N-66](#) [GDLX-S-66](#) [GDLX-S-88K](#) [GDLX-SMT-S-88](#) [GDTX-S-88-50](#) [GDX-PA-1010](#) [GLX-N-1010M-BLK](#) [GLX-S-88M-BLK](#) [GMX-N-1010](#) [GMX-S-1010](#) [GMX-S-66](#) [GMX-SMT4-N-88](#) [GPX-2-64](#) [GSGX-N-2-88](#) [GSGX-N-4-88](#) [GSX-NS2-88-3.05](#) [GSX-NS2-88-3.05-50](#) [GSX-NS-88-3.05-50](#) [PT-108A-8C-UL](#) [PT-J951-8C](#) [PTS-J531-8CS-50UL](#) [1-1775629-2](#) [A-2014-0-4](#) [GWLX-S-88-GR](#) [GWLX-S9-88-YG](#) [DC-1021-8-WH-6](#) [1300530003](#) [1324640-4](#) [RJ11FTVC2G](#) [RJ11FTVC2N](#) [RJFTVX2SA1G](#) [132764-001](#) [1413235](#) [MP88X-1000](#) [MPS88RX-5000](#) [E5288-S000K3-L](#) [E5908-15A242-L](#)