



LED2 POLARITY			LED1 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	GREEN	+	-	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER RATIO

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

DCL @ 100kHz/100mVRMS

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

100kHz TO 125MHz	-1.2 dB MAX
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RET. LOSS (MIN) @ 100ΩHMS ±15%

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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CROSS TALK

1MHz-100MHz	-35 dB MIN
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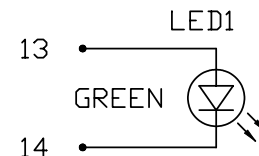
HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

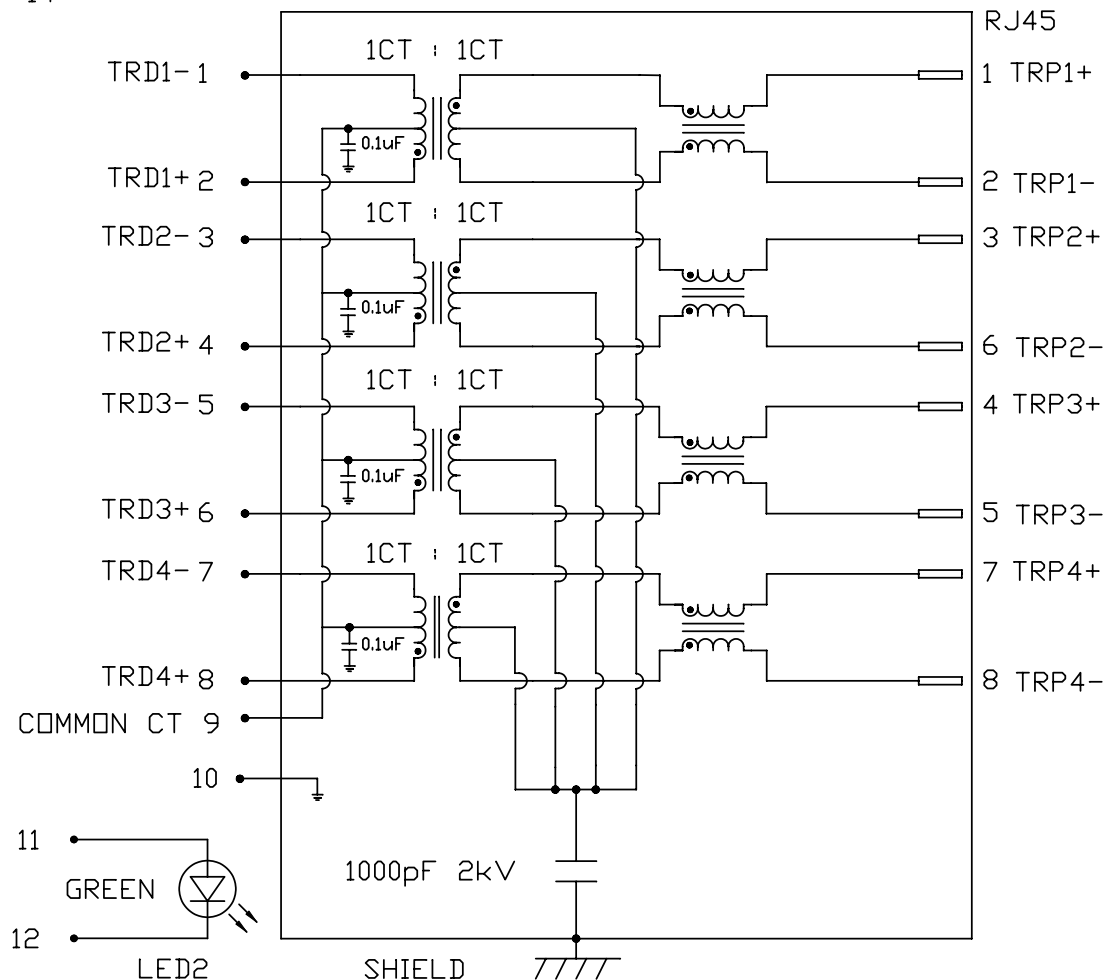
LED 1 & 2

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

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



SCHEMATIC



ORIGINATED BY DATE
CHOW WANGCHUNG 07-05-10

DRAWN BY DATE
LEE WEIDE 07-05-10

TITLE
gigabit MagJack®
(Dual Stuff Option, 8 cores)
PATENTED

PART NO. / DRAWING NO.
0875-1G1T-E3

FILE NAME
0875-1G1T-E3_A.DWG

STANDARD DIM.
TOL. IN INCH

.X	
.XX	
.XXX	

[] METRIC DIM. AS REFERENCE

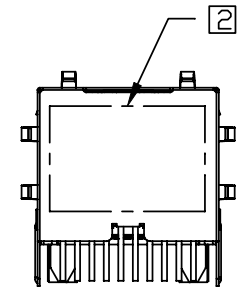
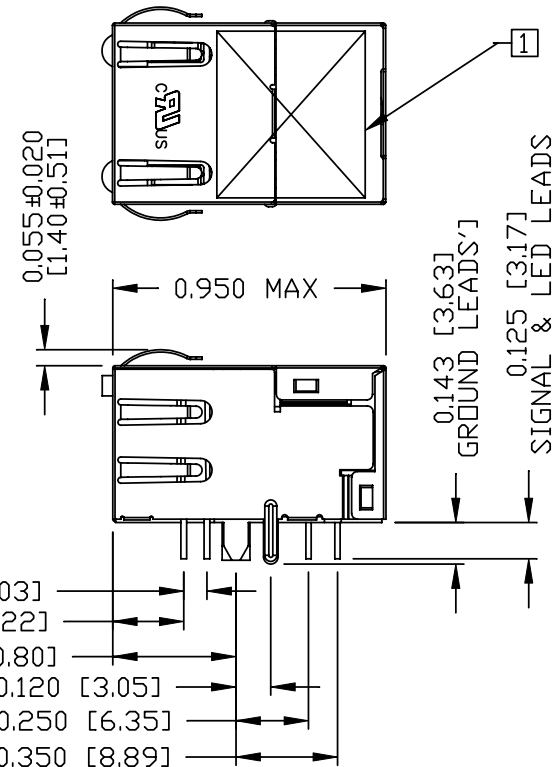
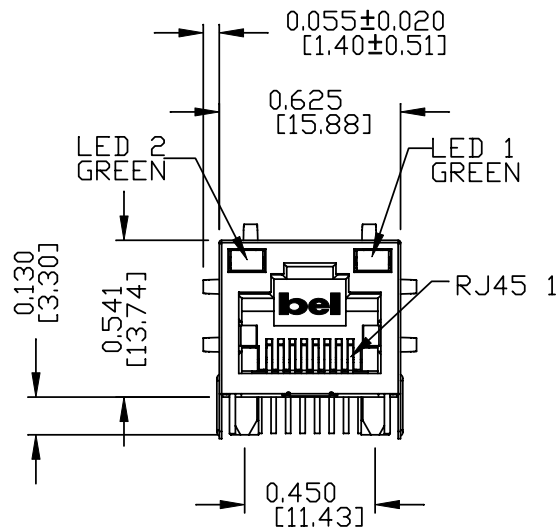
UNIT : INCH [mm]	REV. : A
SCALE : N/A	SIZE : A4
	PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

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
2002/95/EC



NOTES:

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

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.

2. MARKING "PATENTED".

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

4. ULs UL RECOGNIZED - FILE #E196366 AND E169987.

5. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

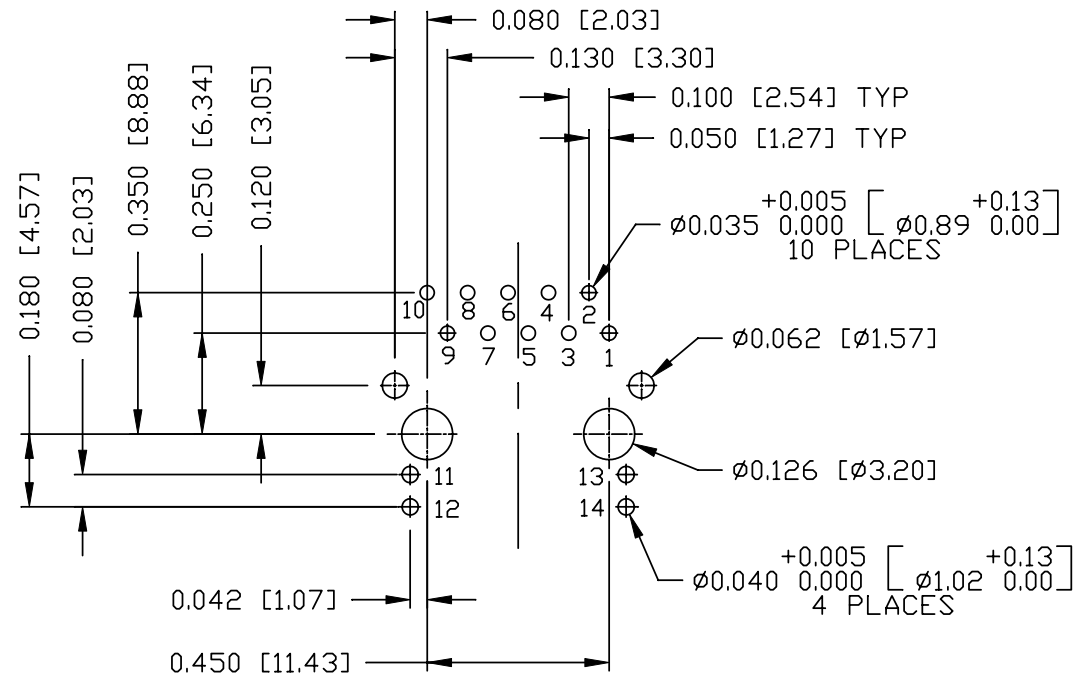
6. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHEN BILL	07-05-10	gigabit MagJack®	0875-1G1T-E3	.X	UNIT : INCH [mm] REV. : A
DRAWN BY	DATE	(Dual Stuff Option, 8 cores)	FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	07-05-10	PATENTED	0875-1G1T-E3_A.DWG	.XXX ±0.010	PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET



RECOMMENDED PCB FOOTPRINT
 COMPONENT SIDE VIEW



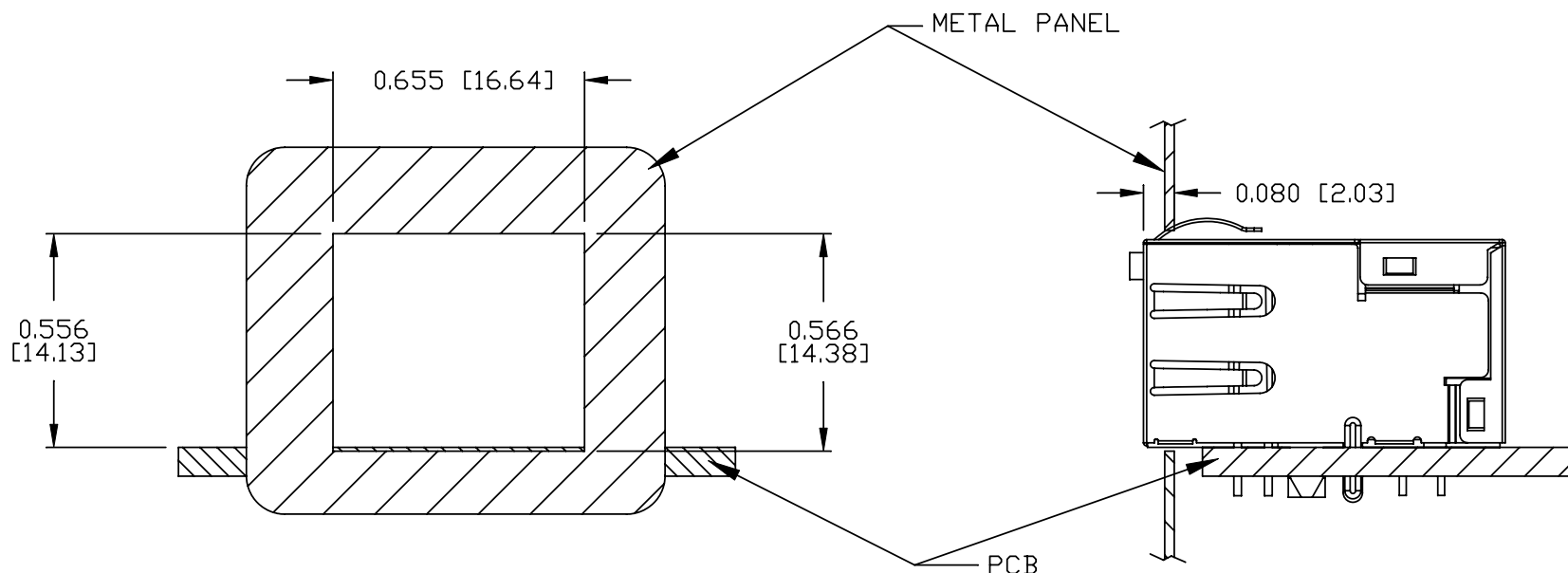
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
CHEN BILL	07-05-10	gigabit MagJack® (Dual Stuff Option, 8 cores) PATENTED	0875-1G1T-E3	TOL. IN INCH	UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
XIAN JIAXIN	07-05-10		0875-1G1T-E3_A.DWG	.XX .XXX	±0.004	PAGE : 4	

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RoHS
2002/95/EC



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-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 gigabit MagJack® (Dual Stuff Option, 8 cores) PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHEN BILL	07-05-10 <th>0875-1G1T-E3</th> <th colspan="2">TOL. IN INCH</th> <th>UNIT : INCH [mm]</th> <th>REV. : A</th>		0875-1G1T-E3	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	07-05-10		0875-1G1T-E3_A.DWG	.XX			PAGE : 5	
				.XXX	±0.004			

bel
COMPONENTS FOR A
CONNECTED
PLANET