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"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
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WRITTEN APPROVAL OF BEL FUSE INC.

LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 9	PIN 10	COLOR
-	+	YELLOW	-	+	GREEN

RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX	1CT : 1
RX	1CT : 1
OC L @ 100kHz/100mVRMS	350μH MIN
8mA DC BIAS	

INS. LOSS

1MHz TO 100MHz	-1.1 dB MAX
RET. LOSS (MIN)	
1MHz-30MHz	-18 dB
30MHz-60MHz	-18+20LOG(F/30MHz) dB
60MHz-80MHz	-12 dB

CROSS TALK (TX - RX)

500kHz - 100 MHz	-30 dB MIN
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CM TO CM REJ

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

100kHz - 100 MHz	-40 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS

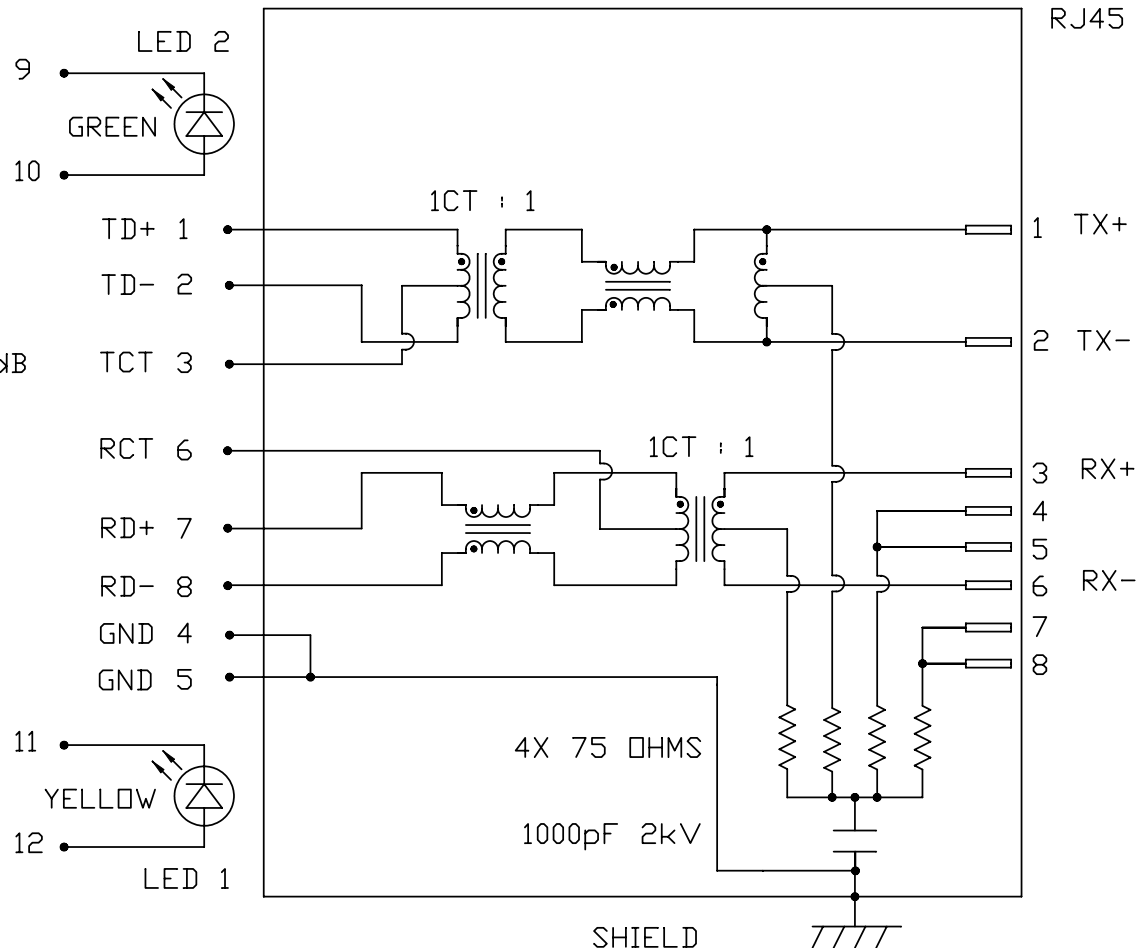
LED 1

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

LED 2

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

SCHEMATIC



ORIGINATED BY DATE
CHOW WANCHUNG 2012-07-11

DRAWN BY DATE
TAN QIGUANG 2012-07-11

TITLE
staggered pin MagJack®
(5 cores)
0817-1A1T-11-F
PATENTED

PART NO. / DRAWING NO.
08171A1T11-F

FILE NAME
08171A1T11-F_C.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] REV. : C

SCALE : N/A SIZE : A4

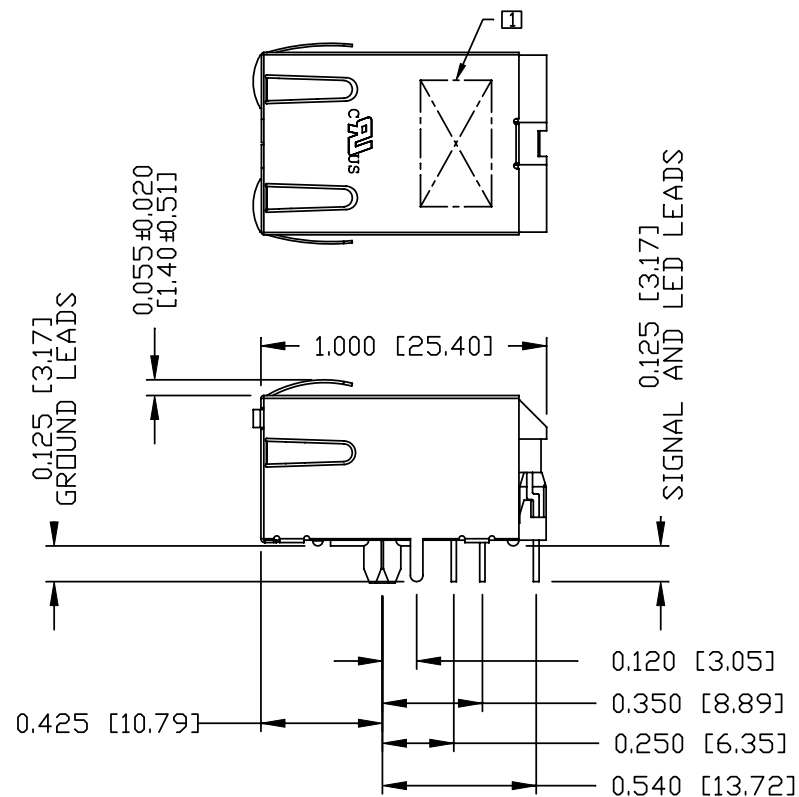
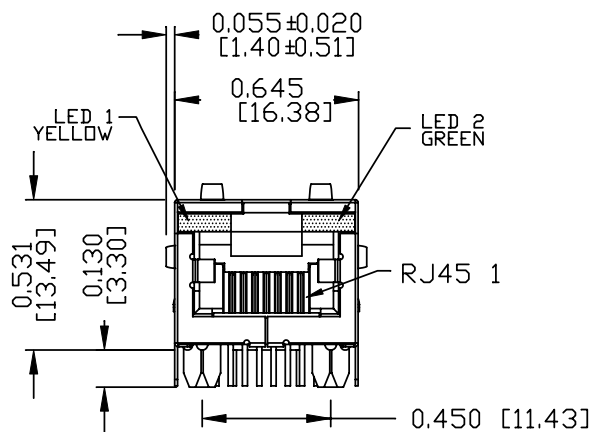
PAGE : 2



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MECHANICAL SPECIFICATION

RoHS



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA
FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.016
AND 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,
DATE CODE AND PATENTED.

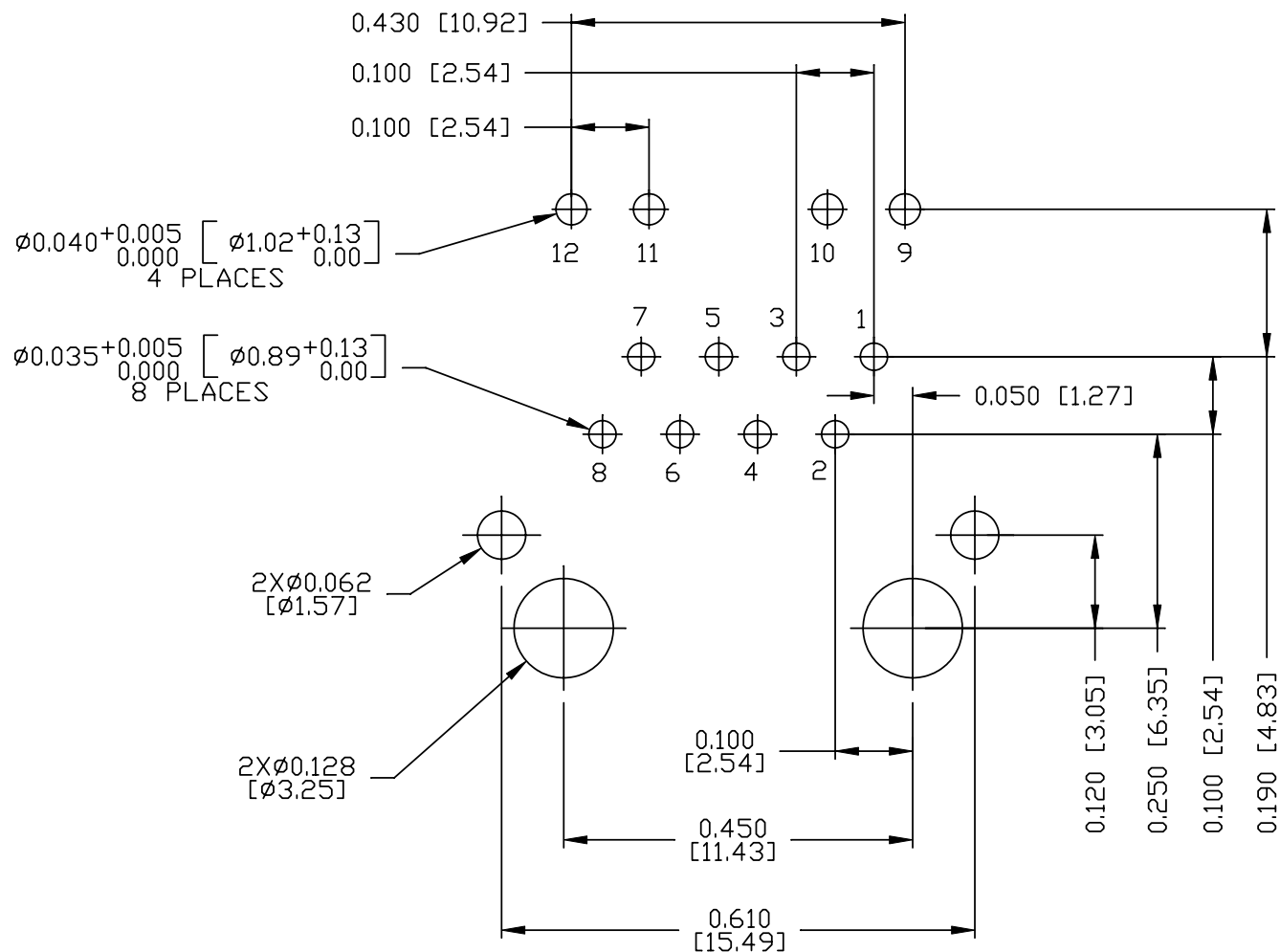
1. THE PRODUCT IS RoHS COMPLIANT.
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS
U.S. PAT. 5,736,910.

ORIGINATED BY ANTON LIAO	DATE 2012-07-11	TITLE staggered pin MagJack® (5 cores) 0817-1A1T-11-F PATENTED	PART NO. / DRAWING NO. 08171A1T11-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS-ON-A-PLANET
DRAWN BY HE ZHEN	DATE 2012-07-11		FILE NAME 08171A1T11-F_C.DWG	.X		UNIT : INCH [mm]	REV. : C	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.010		PAGE : 3	

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RECOMMENDED PCB FOOTPRINT

RoHS



ORIGINATED BY	DATE
ANTON LIAO	2012-07-11
DRAWN BY	DATE
HE ZHEN	2012-07-11

TITLE
staggered pin MagJack® (5 cores) 0817-1A1T-11-F PATENTED

PART NO. / DRAWING NO.
08171A1T11-F
FILE NAME
08171A1T11-F_C.DWG

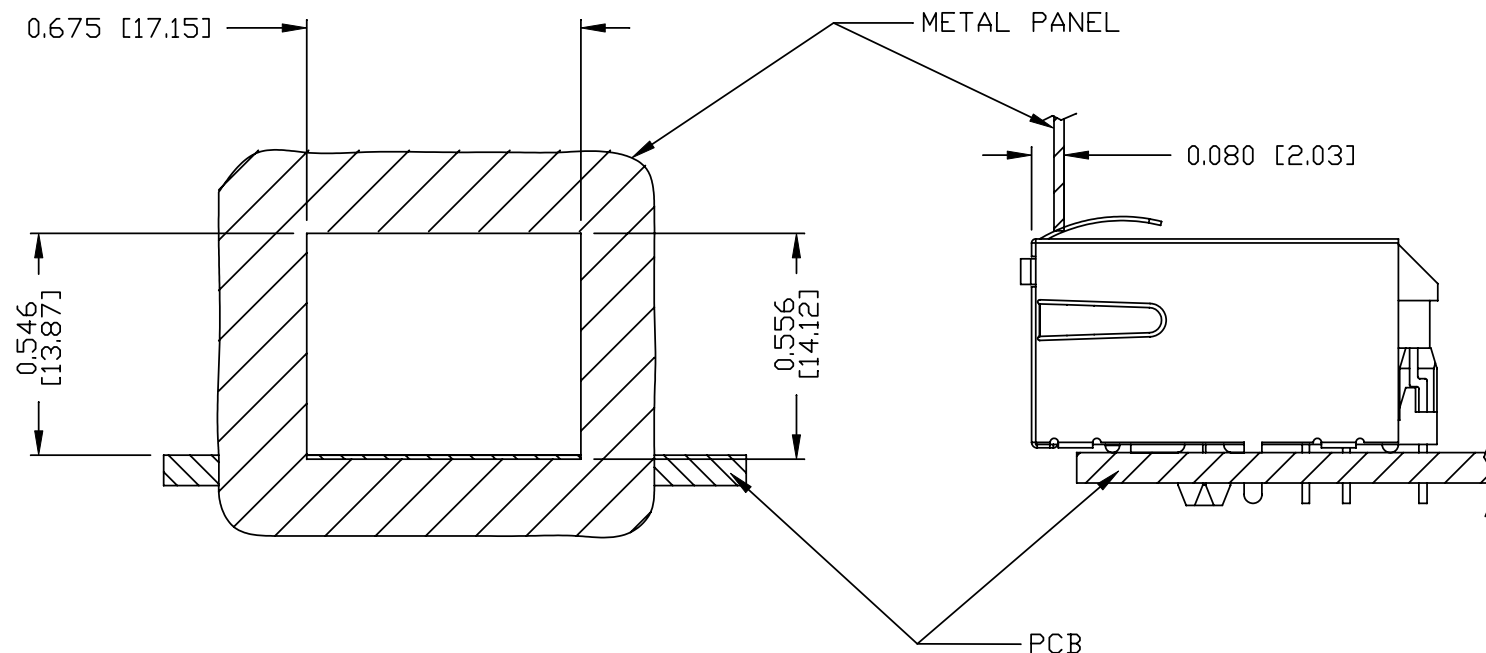
STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	±0.004

[] METRIC DIM. AS REFERENCE	UNIT : INCH [mm]	REV. : C
SCALE : N/A	SIZE : A4	PAGE : 4





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-A2

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 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. : C
ANTON LIAO	2012-07-11	staggered pin MagJack® (5 cores) 0817-1A1T-11-F PATENTED	08171A1T11-F FILE NAME 08171A1T11-F_C.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 5
HE ZHEN	2012-07-11			.XXX	±0.004		