

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 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
+	-	ORANGE	+	-	ORANGE
-	+	GREEN	-	+	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT
TP2	1CT : 1CT
TP3	1CT : 1CT
TP4	1CT : 1CT

INS. LOSS (MAX)

1MHz TO 20MHz	-0.8 dB
50MHz	-1.0 dB
200MHz	-1.2 dB
400MHz	-2.0 dB
500MHz	-3.0 dB

RET. LOSS (MIN)

1MHz - 40MHz	-16 dB
40MHz - 400 MHz	-16+10LOG (F/40) dB
400MHz - 500 MHz	-6+30LOG (F/400) dB

CM TO CM REJ

1MHz - 500MHz	-30 dB MIN
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CM TO DM REJ

1MHz - 500MHz	-30 dB MIN
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HIPOT (Isolation Voltage):

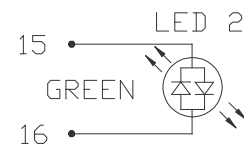
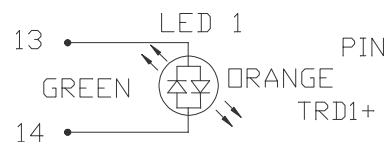
2250VDC

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

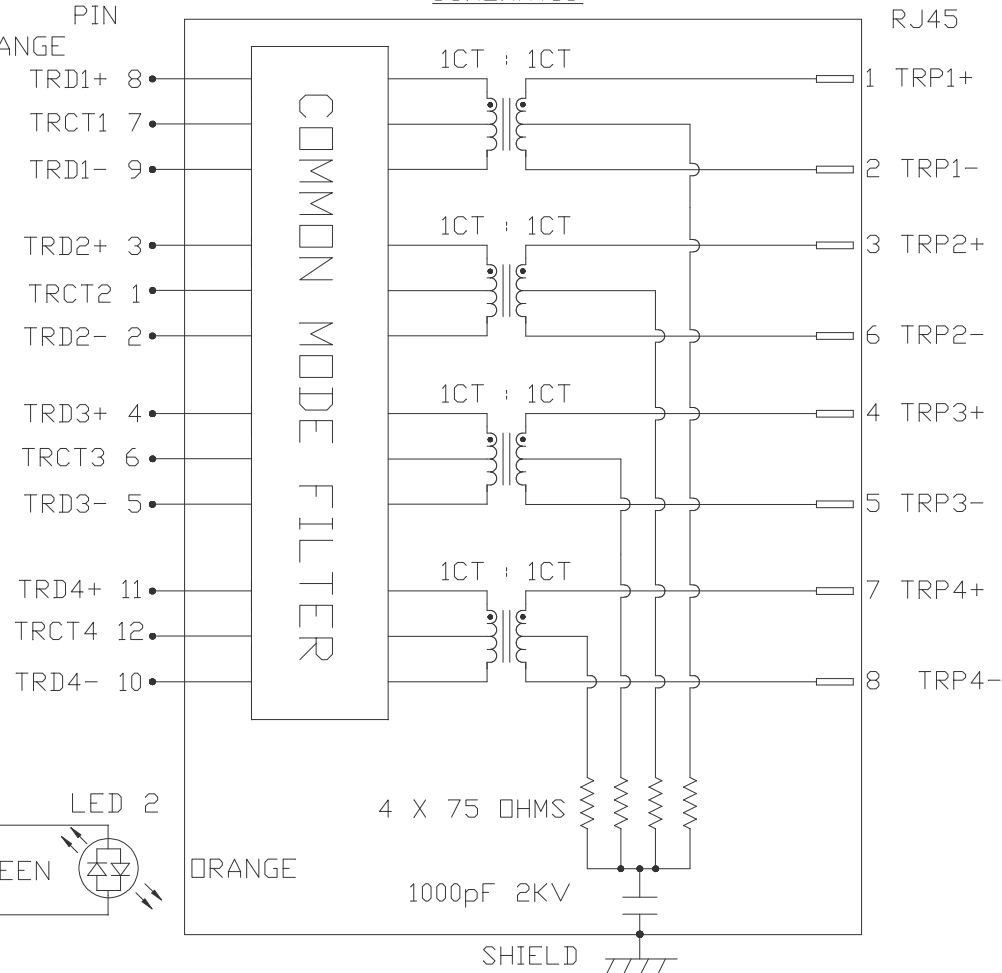
LED1 AND LED2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
ORANGE 2.0V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.
ORANGE 605nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



SCHEMATIC



REV. : PA

PAGE : 2

ORIGINATED BY
CHOW WANCHUNG
DATE 2017-06-20

DRAWN BY
XIE YIMING

DATE 2017-06-20

TITLE

10 gigabit MagJack®
G15-111T-076C
PATENTED

PART NO. / DRAWING NO.

G15-111T076C

FILE NAME

G15-111T076C_PA.DWG

STANDARD DIM. TOL. IN INCH

.X
.XX
.XXX

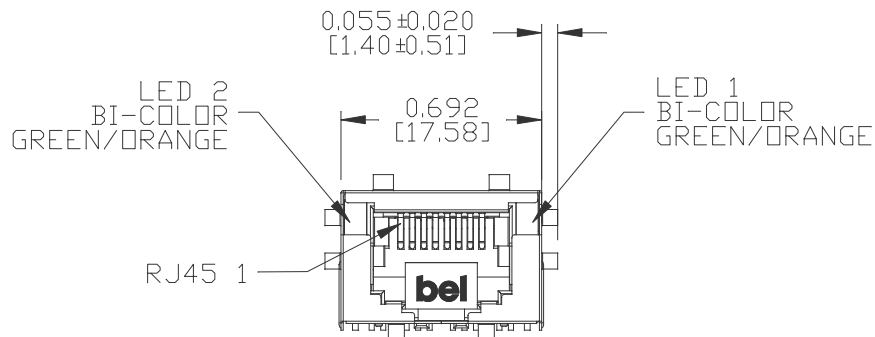
[] METRIC DIM. AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



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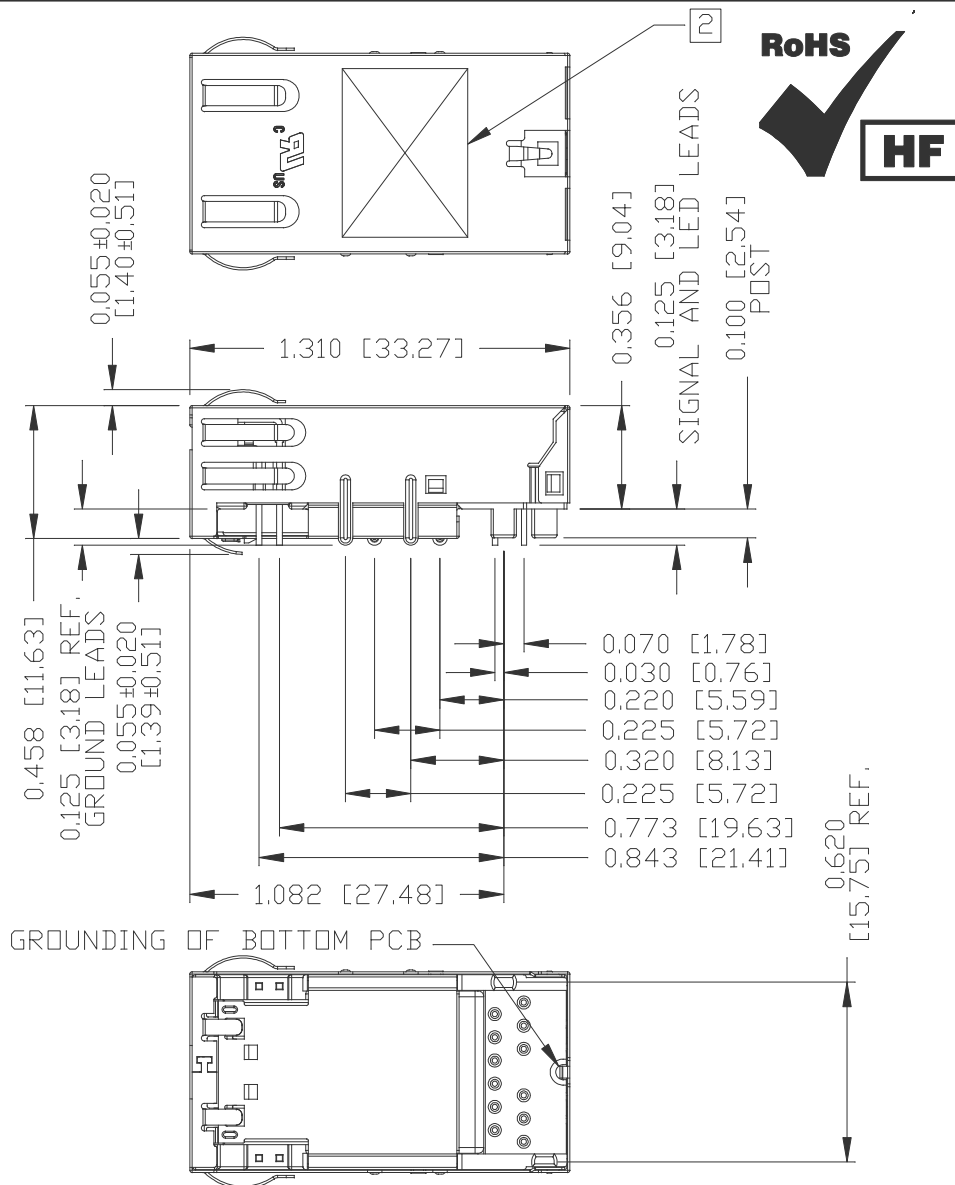
PRELIMINARY



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: 100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
(ALL GROUND LEADS ARE SOLDER DIPPED)

- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, NAME, PART NUMBER, DATE CODE AND PATENTED.
-  UL RECOGNIZED - FILE # E169987.
- THE PRODUCT IS RoHS COMPLIANT AND HALOGEN FREE WITH ANTIMONY TRIOXIDE CONTAIN LESS THAN 1000 PPM.
- THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,429,195 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,924,130.
- THE PART IS COMPLIANT WITH WAVE SOLDERING AND IR REFLOW. FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX. AND 10 SECONDS MAX. FOR IR REFLOW, THE SUGGESTED PEAK IR REFLOW CONDITION IS 245°C MAX AND 30 SECONDS MAX.



ORIGINATED BY
ANTON LIAO
DATE 2017-06-20
DRAWN BY
JESSE LI
DATE 2017-06-20

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PATENTED

PART NO. / DRAWING NO.
G15-111T076C
FILE NAME
G15-111T076C_PA.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

REV. : PA PAGE : 3



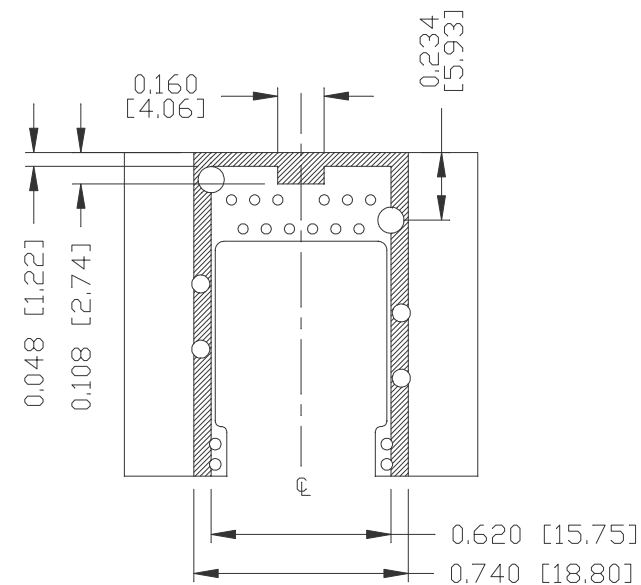
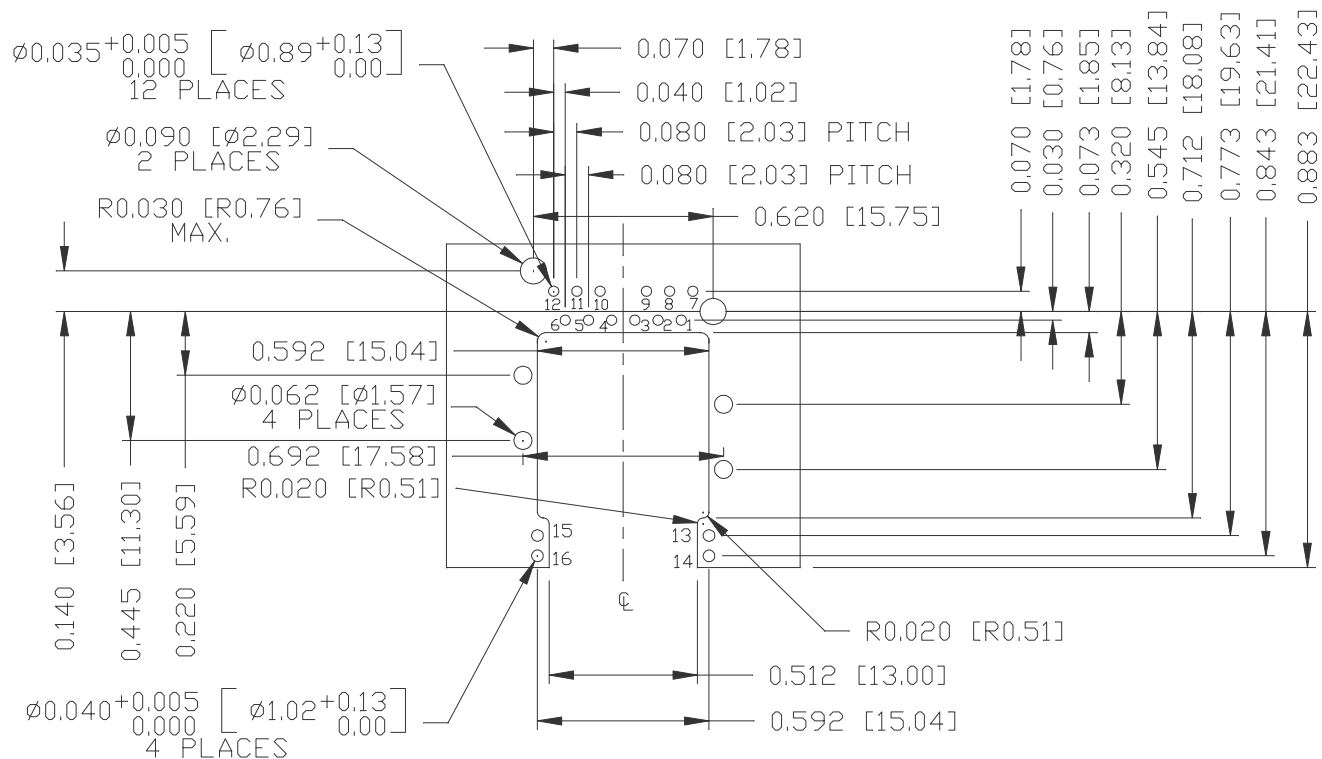
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RECOMMENDED PCB FOOTPRINT

< COMPONENT SIDE VIEW >

PRELIMINARY

RoHS



NOTES:

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

SUGGESTED FOOTPRINT

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ANTON LIAO
DATE 2017-06-20
DRAWN BY
JESSE LI
DATE 2017-06-20

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PATENTED

PART NO. / DRAWING NO.

G15-111T076C

FILE NAME

G15-111T076C_PA.DWG

STANDARD DIM.
TOL. IN INCH

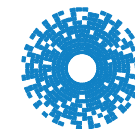
.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : PA

PAGE : 4



bel MAGNETIC
SOLUTIONS
a bel group

