THE INFORMATION CONTAINED HEREIN IS CONSIDERED LED 1 POLARITY LED 2 POLARITY "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE RoHS COPIED, REPRODUCED OR DISCLOSED WITHOUT THE PIN 13 PIN 14 PIN 15 | PIN 16 COLOR COLOR WRITTEN APPROVAL OF BEL FUSE INC. DRANGE DRANGE GREEN GREEN + + HF ELECTRICAL CHARACTERISTICS @ 25°C IFD 1 SCHEMATIC 13 • PIN **RJ45** TURNS RATIO DRANGE GREEN TP1 TP2 1CT : 1CT 1CT : 1CT —|1 TRP1+ 1ČŤ : 1ČŤ TRD1+ 8 • 14 • TP3 1CT : 1CT TRCT1 7 ← TP4 1CT : 1CT — ا≥ TRP1-TRN1- 9 -INS. LOSS (MAX) 1MHz TD 20MHz -0.8 dB1CT : 1CT 50MHz -1.0 dB**—**|3 TRP2+ TRD2+ 3 ← 200MHz -1.2 dBTRCT2 1 € 400MHz -2.0 dB $\leq$ —|6 TRP2-500MHz TRD2- 2 •---3.0 dBRET. LOSS (MIN)  $\square$ 1CT : 1CT **─**|4 TRP3+ 1MHz - 40MHz-16 dB TRD3+ 4 ← 40MHz - 400 MHz-16+10LOG (F/40) dB TRCT3 6 ← -6+30LOG (F/400) dB 400MHz - 500 MHz —|5 TRP3-TRD3- 5-CM TH CM REJ 1MHz - 500MHz -30 dB MIN 1CT : 1CT TRD4+ 11 •─ — |7 TRP4+ CM TO DM REJ TRCT4 12. 1MHz - 500MHz -30 dB MIN  $\pi$ HIPOT (Isolation Voltage): 2250VDC TRP4-TRD4- 10 •-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.

AD (DOMINANT WAVELENGTH)IF=20mA GREEN 570nm TYP.

ORANGE 605nm TYP. LED 2 4 X 75 □HMS ≷ 15 • DRANGE GREEN 1000pF 2KV 16 • OPERATING TEMPERATURE: 0°C TO +70°C. SHIELD 2 PAGE: REV. : В ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [ ] METRIC DIM. CHOW WANCHUNG AS REF. TOL. IN INCH 10 gigabit MagJack® G15-111T076C **DATE** 2018-07-21 UNIT: INCH [mm] G15-111T-076C DRAWN BY FILE NAME XIE YIMING SCALE : N/A .XX PATENTED a bel group G15-111T076C B.DWG  $\bigcirc$  SIZE : A4 **DATE** 2018-07-21

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. 55±0,020,40±0,511 0.055±0.020 [1.40±0.51] LED 2 BI-COLOR LED 1 0,692 [17,58] BI-COLOR GREEN/DRANGE GREEN/ORANGE RJ45 1 NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK

FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT

TIN-COATED COPPER WIRE, DIA 0.018 INCH. **DUTPUT PINS:** 

100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

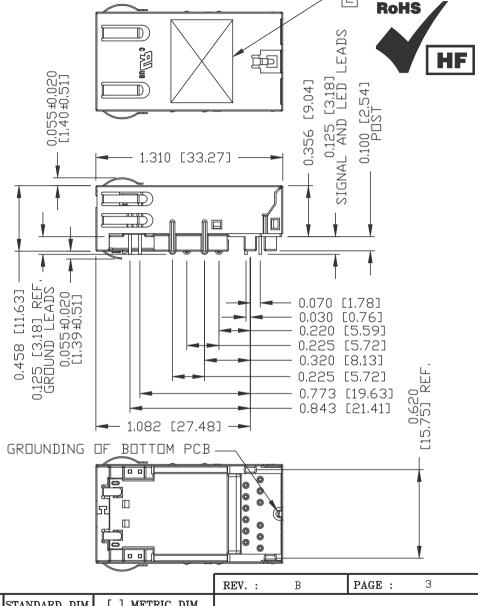
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,

PART 68 SUBPART F.

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

- 3. c Nius UL RECOGNIZED FILE # E169987.
- PRODUCT IS ROHS COMPLIANT WITH NO EXEMPTION AND HALOGEN FREE WITH ANTIMONY TRIOXIDE CONTAIN LESS THAN 1000 PPM.
- 5. 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,
- 6. THE PRODUCT IS FOR WAVE SOLDER ONLY, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX,



ORIGINATED BY TITLE ANTON LIAD DATE 2018-07-21 DRAWN BY JESSE LI **DATE** 2018-07-21

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

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

[ ] METRIC DIM. STANDARD DIM TOL. IN INCH AS REF. UNIT: INCH [mm] SCALE : N/A .XX

±0.010

SIZE : A4

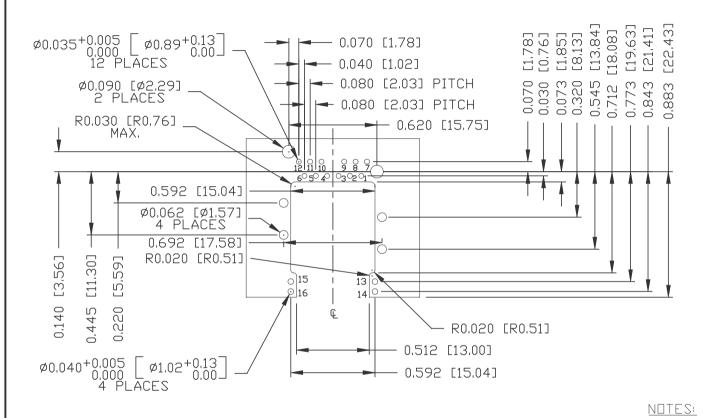
**SOLUTIONS** a bel group

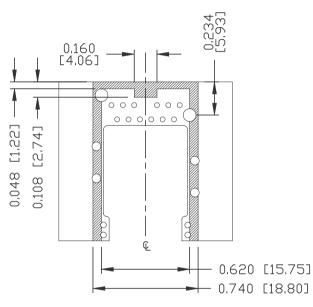
THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

# RECOMMENDED PCB FOOTPRINT ( COMPONENT SIDE VIEW )









# SUGGESTED FOOTPRINT

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

ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		1 * *		
ANTON LIAO	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
<b>DATE</b> 2018-07-21	10 gigabit MagJack®	G15-111T076C	3,7		UNIT : INCH [mm]		
DRAWN BY	G15-111T-076C	FILE NAME	.X		onii . men [mm]	4	
JESSE LI	PATENTED		.XX		SCALE : N/A		
<b>DATE</b> 2018-07-21	1111214122	G15-111T076C_B.DWG	.XXX	±0,004	SIZE : A4		

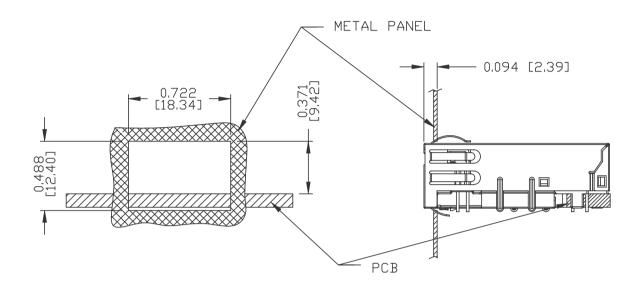
REV. : B PAGE : 4

MAGNETIC SOLUTIONS
a bel group

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#### SUGGESTED PANEL OPENING





### NDTE:

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 : 0200M9999-K3 (TOP)

0200M9999-K2 (BOTTOM)

PACKING QUANTITY: 48 PCS FINISHED GOODS PER TRAY.

10 TRAYS (480 PCS FINISHED GOODS) PER CARTON BOX.

REMARK : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

							R
		TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.	
	ANTON LIAO	10 1 11 14 1 18			IN INCH	AS REF.	
	<b>DATE</b> 2018-07-21	10 gigabit MagJack®	G15-111T076C	37		UNIT : INCH [mm]	1
	DRAWN_BY_	G15-111T-076C	FILE NAME	].X			Ł
	JESSE LI	PATENTED		.XX		SCALE : N/A	
	<b>DATE</b> 2018-07-21		G15-111T076C_B,DWG	.xxx	±0.005	SIZE : A4	L
- 1	D0000(0)100014	TL: J-				to	

