

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.

LED1 POLARITY			LED2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
+	-	YELLOW	+	-	YELLOW
-	+	GREEN	-	+	GREEN

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 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.

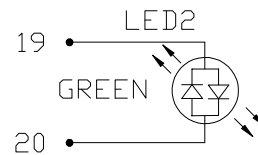
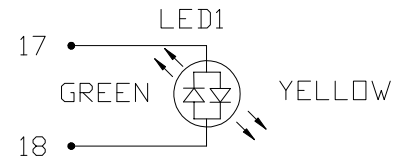
BALANCED DC LINE CURRENT 1A MAX. CONTINUOUS.

1.2A MAX. FOR 200 MILLISECONDS.

LED1 AND LED2

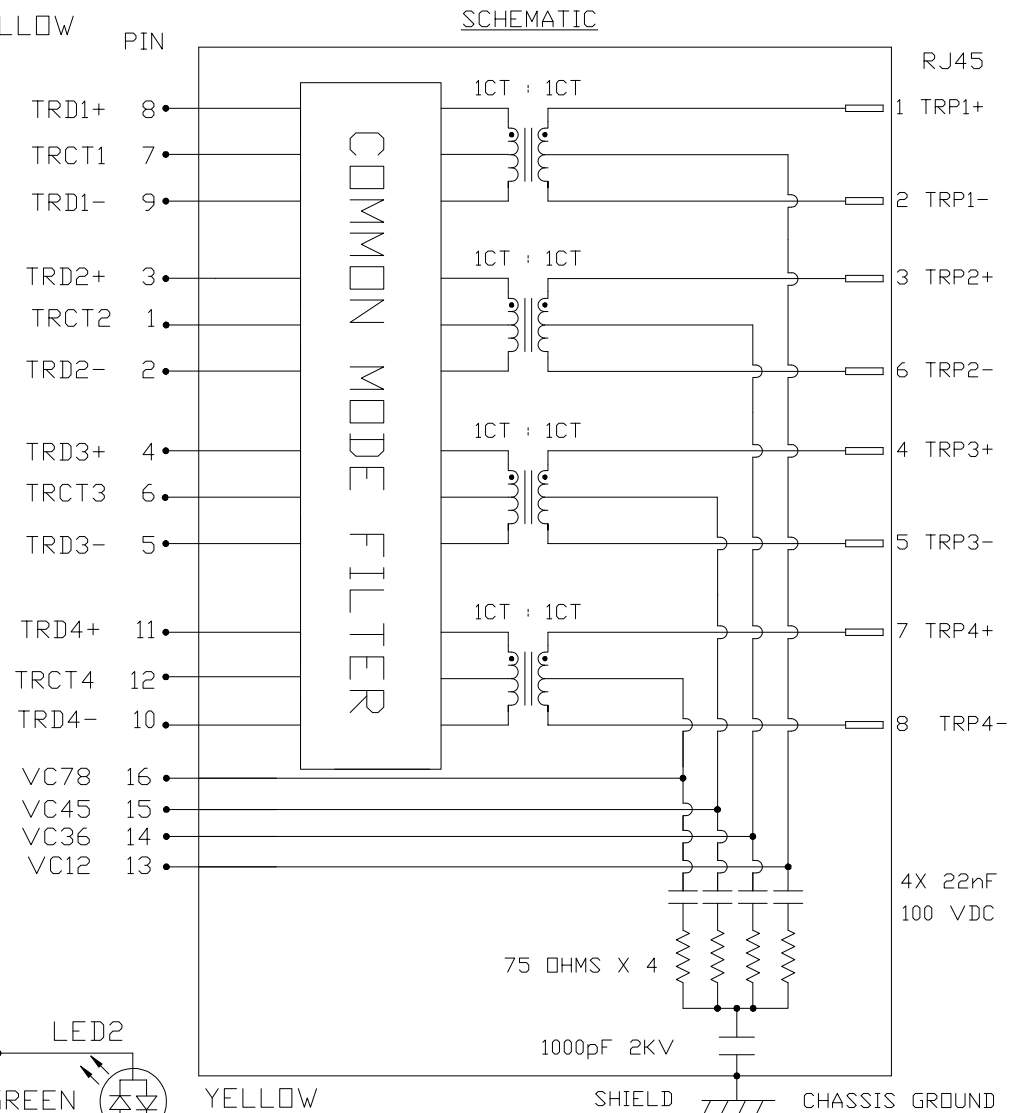
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
ID (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	2.1V TYP.
		GREEN	570nm TYP.
		YELLOW	590nm TYP.

OPERATING TEMPERATURE: -40°C TO +85°C.



PRELIMINARY

RoHS



ORIGINATED BY
CHOW WANCHUNG
DATE 2023-07-07

TITLE
10 gigabit MagJack®
4PPoE 100W
PATENTED

DRAWN BY
BILL LIU
DATE 2023-07-07

PART NO. / DRAWING NO.
G27-122T-162

FILE NAME
G27-122T-162_2.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

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

REV. : 2 PAGE : 2

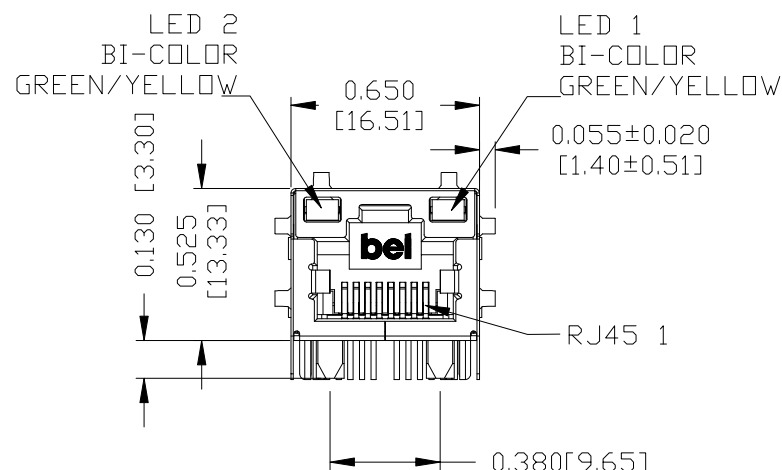


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MECHANICAL SPECIFICATION

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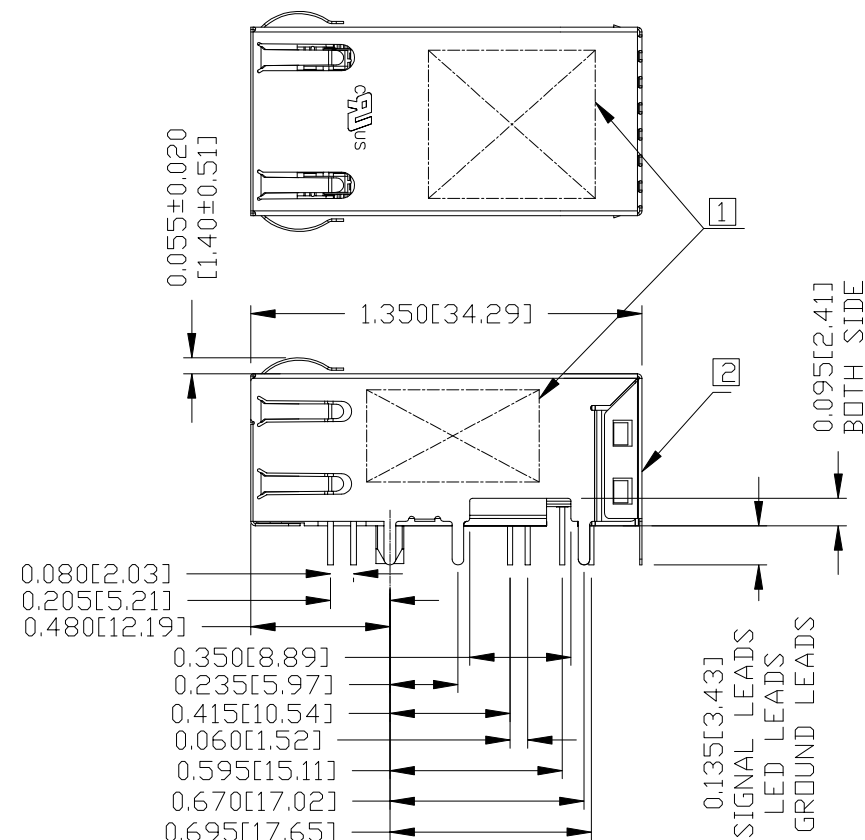


NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT
OUTPUT PINS: LEAD FREE COPPER WIRES, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

UL USUL RECOGNIZED - FILE #E169987.

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER AND DATE CODE.
2. MARKING "PATENTED" IN BACK VIEW.
3. THE PRODUCT IS RoHS COMPLIANT.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,924,130 AND U.S. PAT. 7,429,195 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.



7. THE PART IS COMPLIANT WITH WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX. AND 10 SECONDS MAX..

ORIGINATED BY
ANTON LIAO
DATE 2023-07-07
DRAWN BY
TOWER YU
DATE 2023-07-07

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PATENTED

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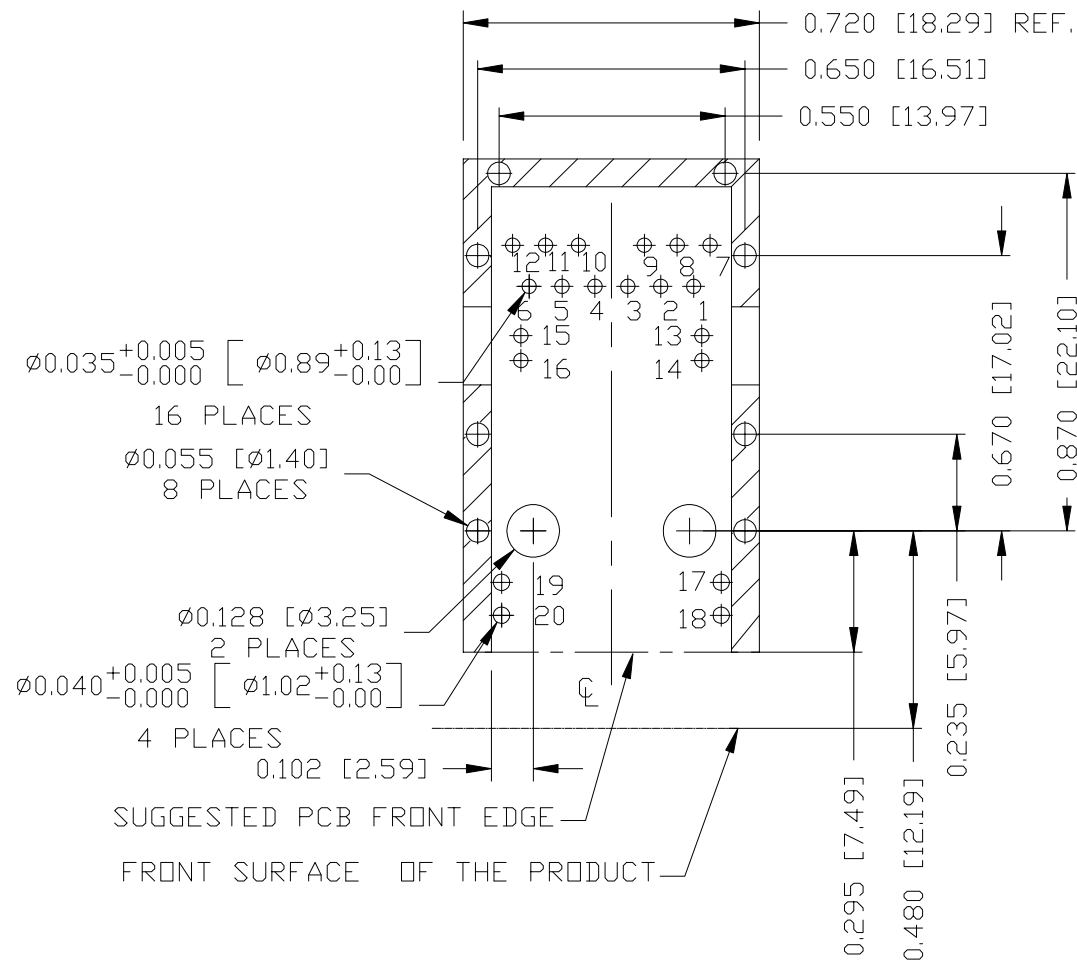
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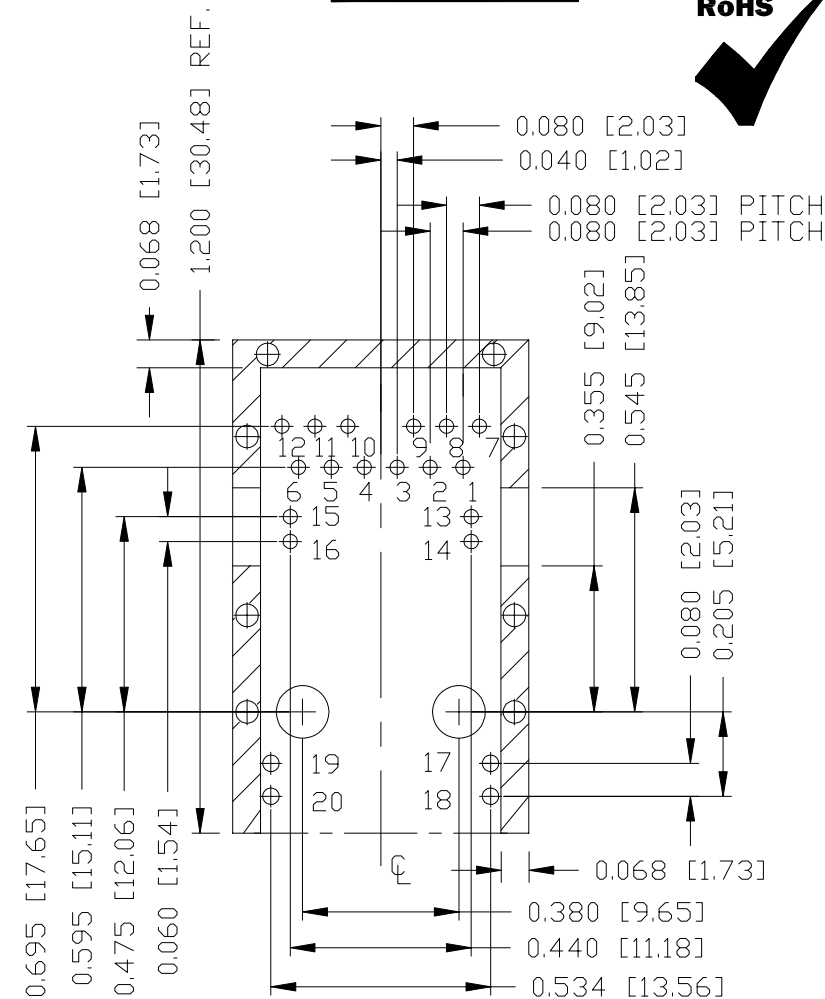
RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



PRELIMINARY

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NOTES:

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

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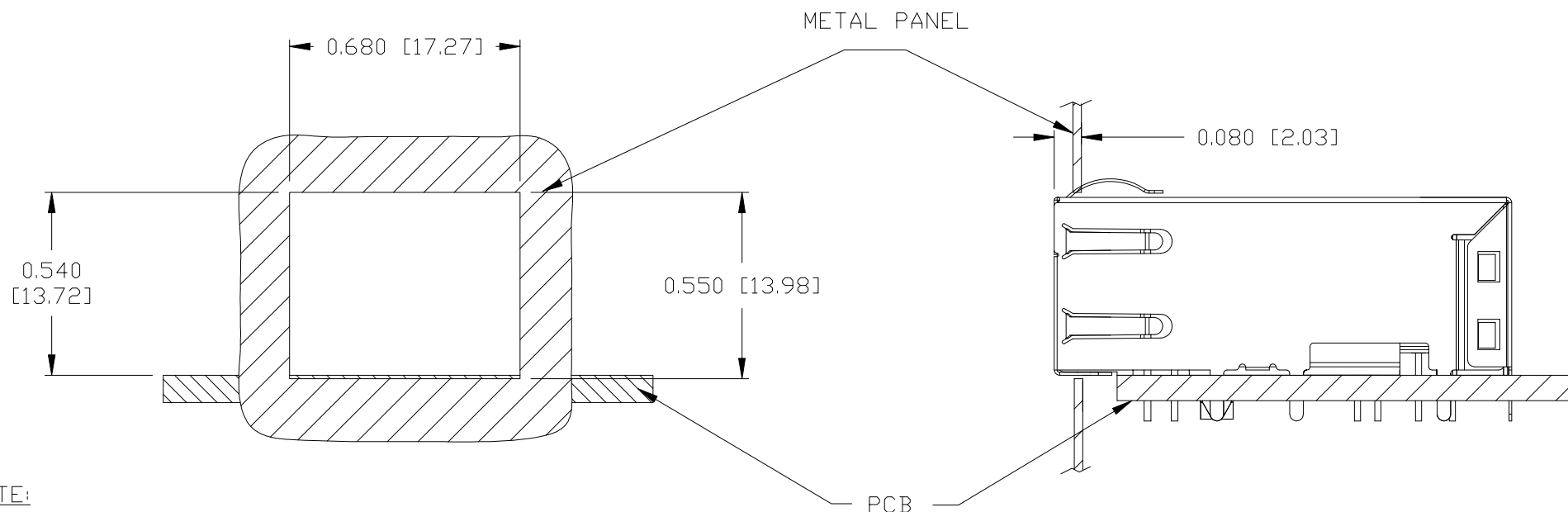
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SUGGESTED PANEL OPENING



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: : 0200M9999-K8 (TOP)

0200M9999-K7 (BOTTOM)

PACKING QUANTITY : 48 PCS FINISHED GOODS PER TRAY

9 TRAYS (432 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : 2 PAGE : 5

ORIGINATED BY ANTON LIAO DATE 2023-07-07	TITLE 10 gigabit MagJack® 4PPoE 100W PATENTED	PART NO. / DRAWING NO. G27-122T-162	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.	
DRAWN BY TOWER YU DATE 2023-07-07		FILE NAME G27-122T-162_2.DWG	.X		UNIT : INCH [mm]	
			.XX		SCALE : N/A	
			.XXX	±0.005		SIZE : A4



bel
a bel group

**MAGNETIC
SOLUTIONS**

