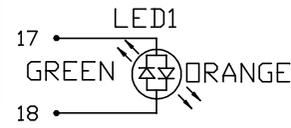


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LED1 POLARITY			LED2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
+	-	ORANGE	+	-	ORANGE
-	+	GREEN	-	+	GREEN



RoHS



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) @ 100 OHMS

1MHz	-18 dB
2MHz	-20 dB
10MHz	-20 dB
100MHz	-20 dB
200MHz	-18 dB
300MHz	-15 dB
400MHz	-10 dB
500MHz	-8 dB

CM TO CM REJ

1MHz - 500MHz	-25 dB MIN
---------------	------------

CM TO DM REJ

1MHz - 500MHz	-25 dB MIN
---------------	------------

HIPOT (Isolation Voltage): 2250VDC

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

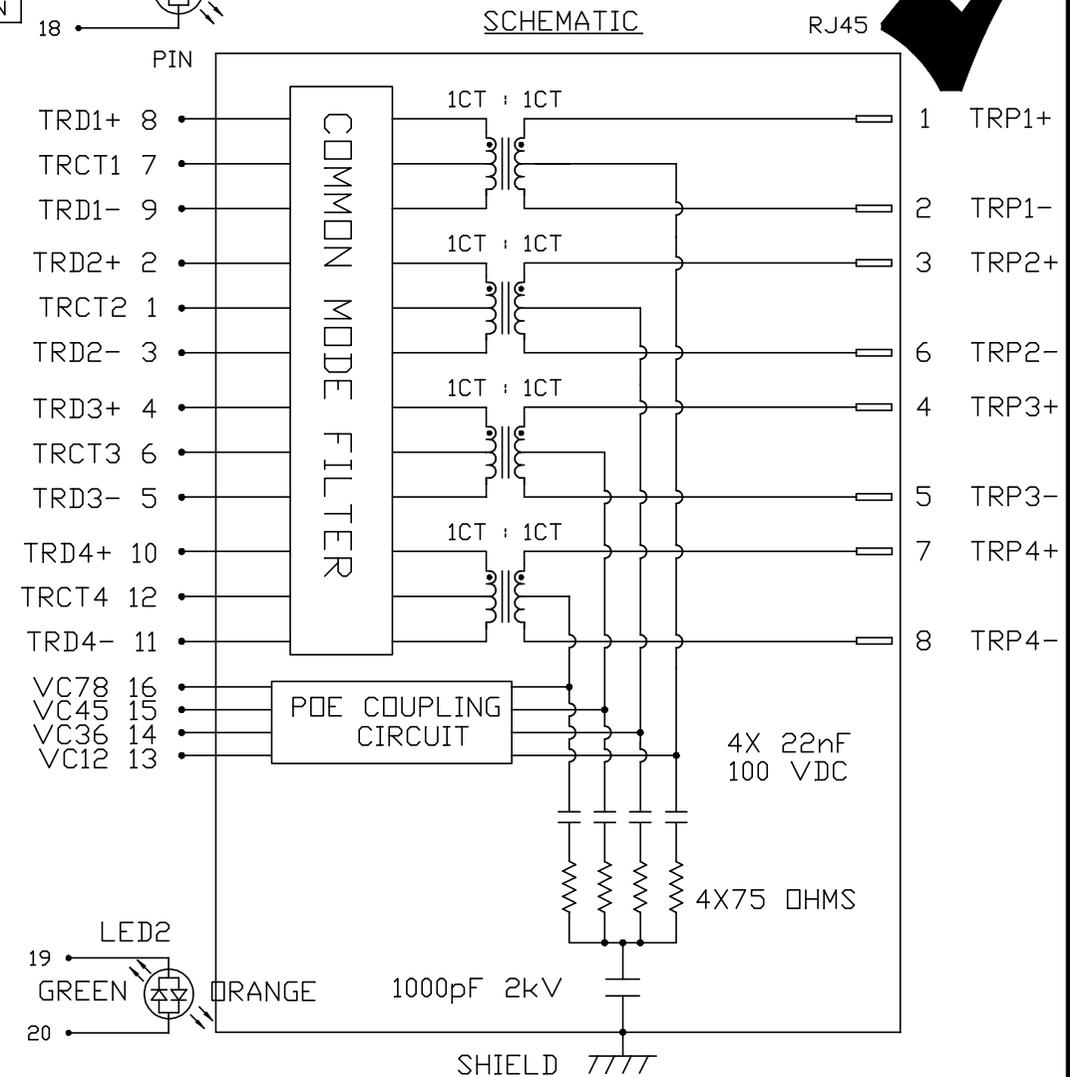
LED1 AND LED2

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

BALANCED DC LINE CURRENT 600 mA MAX.

@ 57 VDC CONTINUOUS
1.2 A MAX.
@ 57 VDC for 200 MILLISECONDS

OPERATING TEMPERATURE: 0°C TO +70°C.



ORIGINATED BY
CHOW WANCHUNG

DATE 2017-08-04

DRAWN BY
LI LIN FENG

DATE 2017-08-04

TITLE

10 glgabit MagJack®

UPoE

PATENTED

PART NO. / DRAWING NO.

G27-111T-118

FILE NAME

G27-111T-118_A.DWG

STANDARD DIM.
TOL. IN INCH

.X

.XX

.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]

SCALE : N/A

SIZE : A4

REV. : A

PAGE : 2

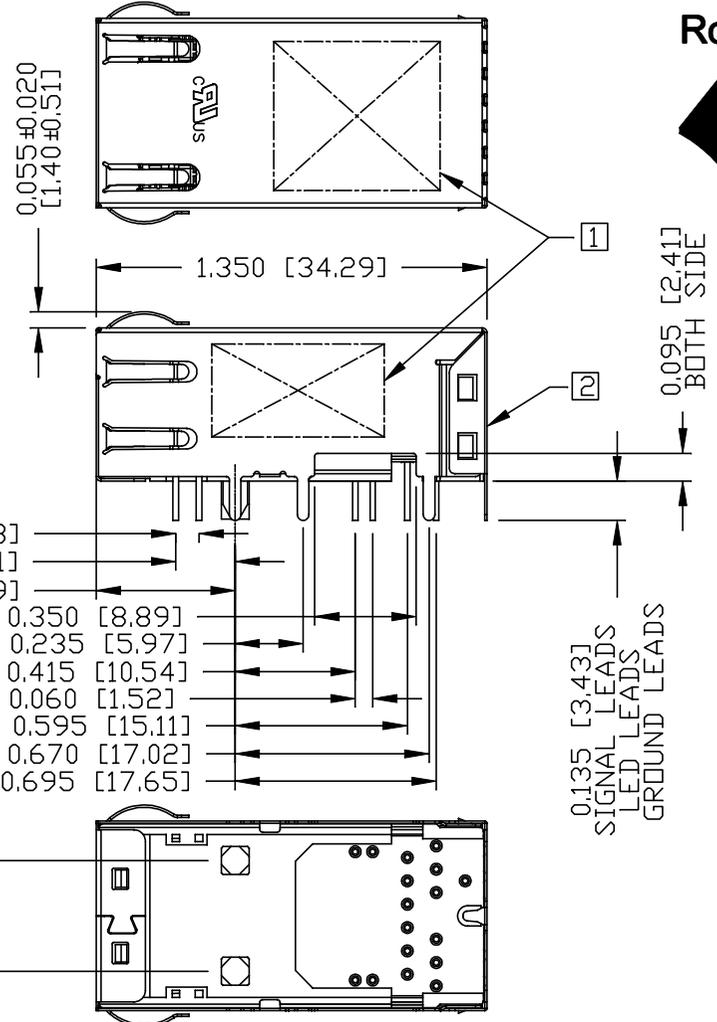
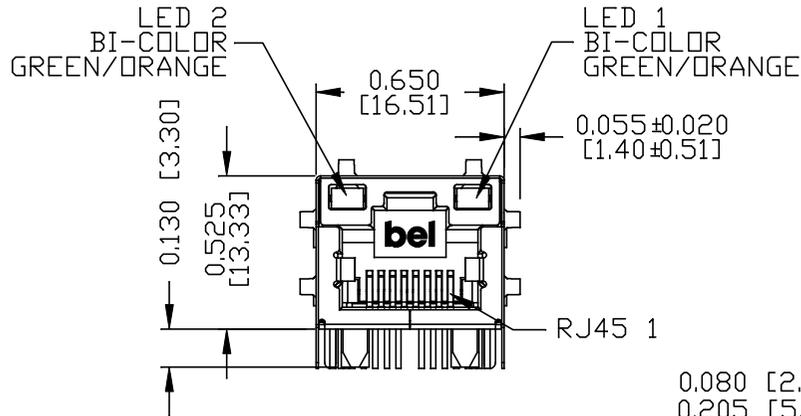


bel MAGNETIC SOLUTIONS
a bel group

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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: 100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
 (ALL GROUND LEADS ARE SOLDER DIPPED)

UL US UL 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. 7,123,117 AND U.S. PAT. 7,429,195 AND U.S. PAT. 6,840,817.
- 6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.

- 7. 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		TITLE 10 gigabit MagJack® UPoE PATENTED		PART NO. / DRAWING NO. G27-111T-118		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		REV. : A	PAGE : 3
DATE 2017-08-04				FILE NAME G27-111T-118_A.DWG		.X		UNIT : INCH [mm]			
DRAWN BY JESSE LI						.XX		SCALE : N/A			
DATE 2017-08-04						.XXX ±0.010		SIZE : A4			



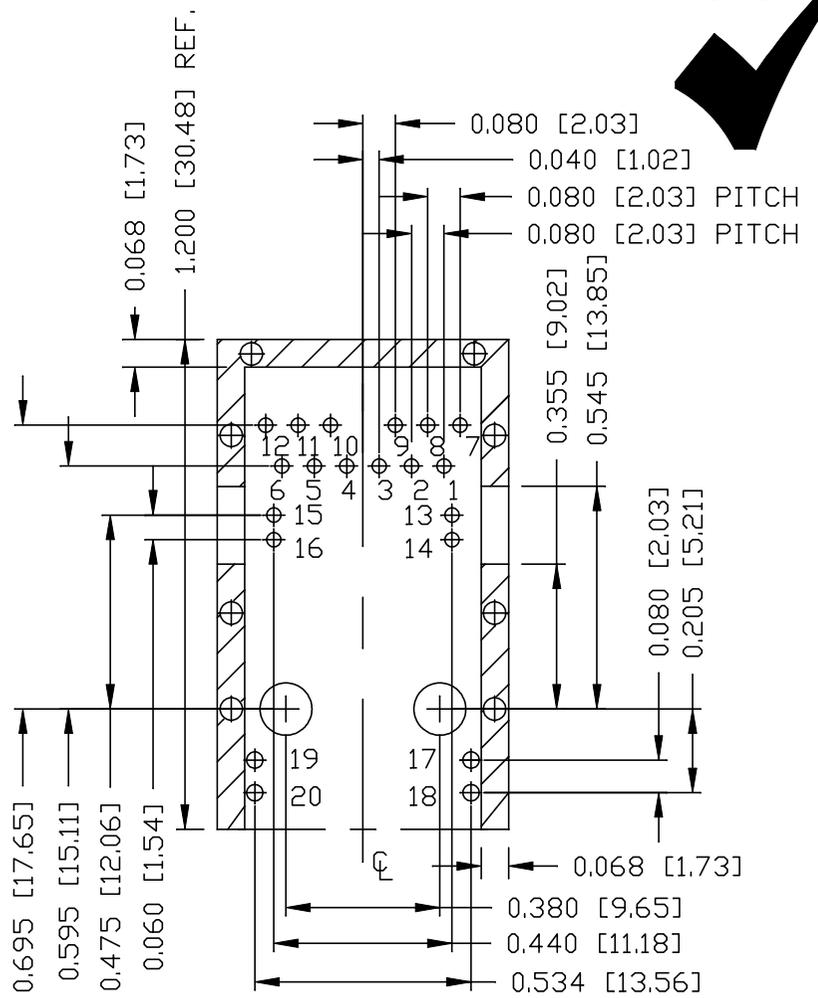
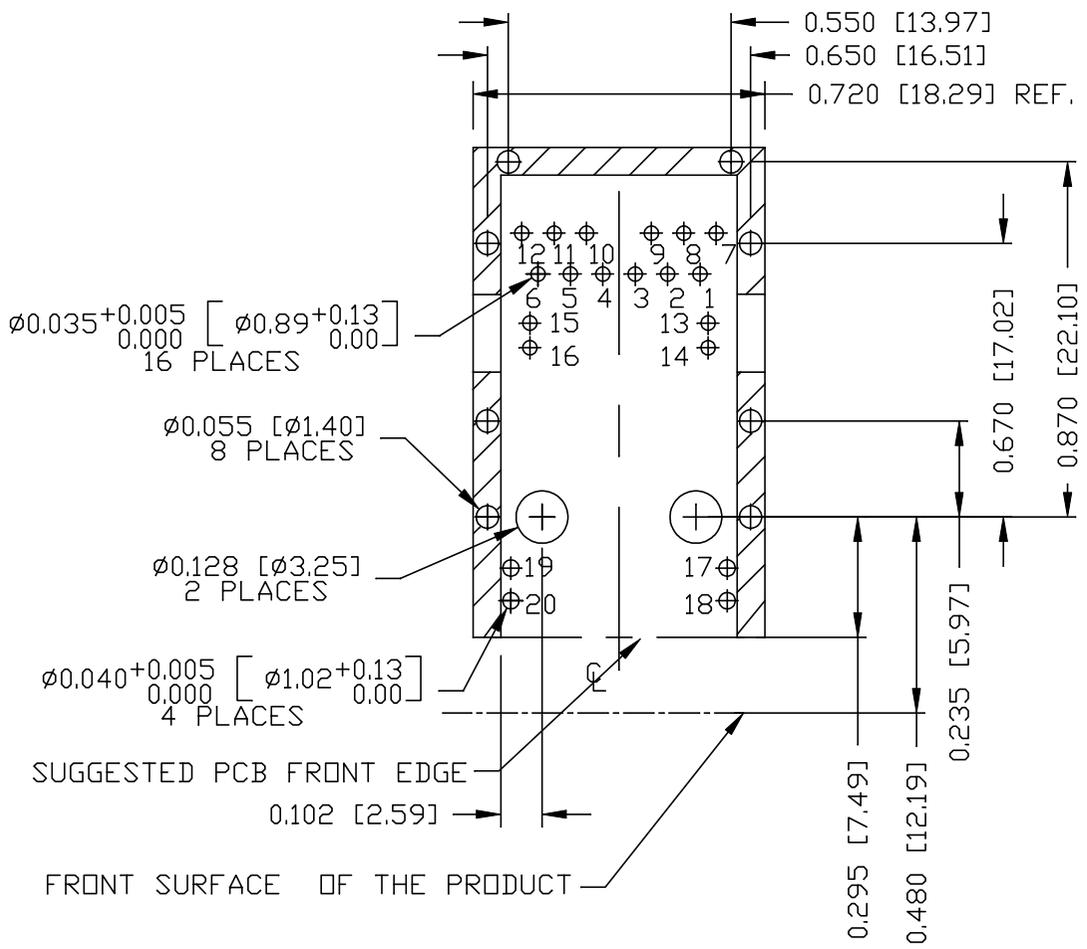
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RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



NOTES:

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

ORIGINATED BY
ANTON LIAO
DATE 2017-08-04
DRAWN BY
JESSE LI
DATE 2017-08-04

TITLE
10 gigabit MagJack®
UPoE
PATENTED

PART NO. / DRAWING NO.
G27-111T-118
FILE NAME
G27-111T-118_A.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.004	SIZE : A4

REV. : A PAGE : 4

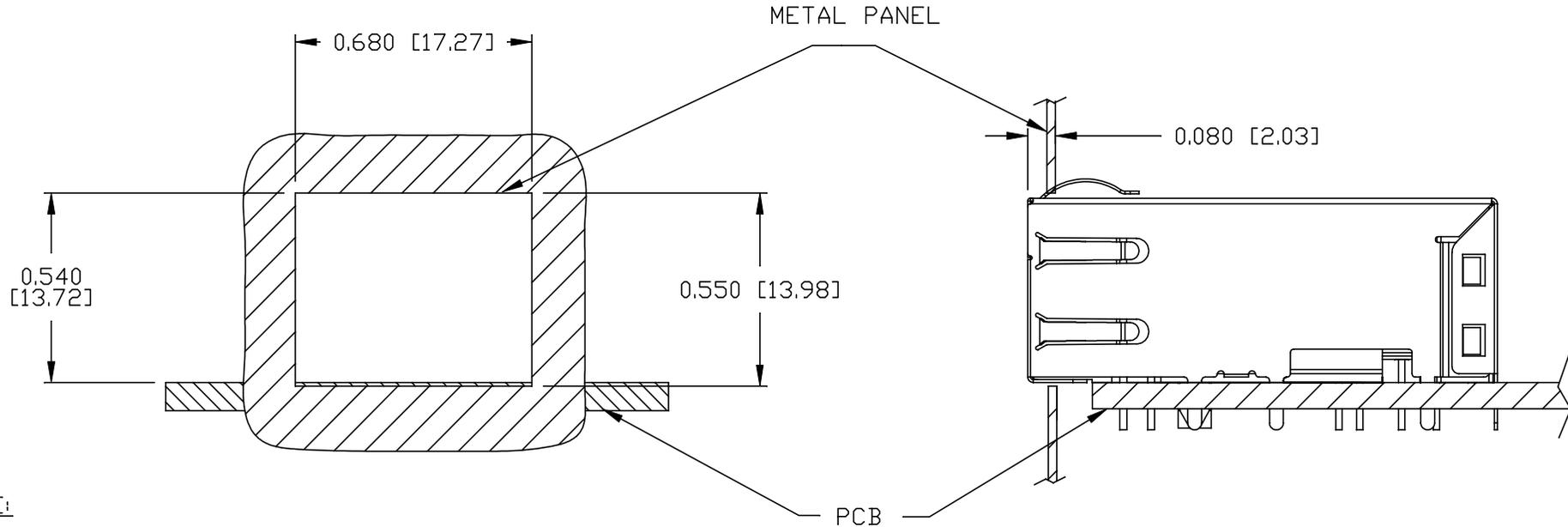


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SUGGESTED PANEL OPENING



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. : A PAGE : 5

ORIGINATED BY ANTON LIAO	TITLE 10 gigabit MagJack® UPoE PATENTED	PART NO. / DRAWING NO. G27-111T-118	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
DATE 2017-08-04		FILE NAME G27-111T-118_A.DWG	.X	UNIT : INCH [mm]
DRAWN BY JESSE LI			.XX	SCALE : N/A
DATE 2017-08-04			.XXX ±0.004	SIZE : A4

