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

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS 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 - 100MHz	-30 dB MIN
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HIPOT (Isolation Voltage):

2250 VDC
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

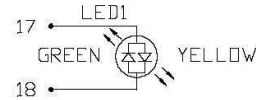
LED1 AND LED2

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

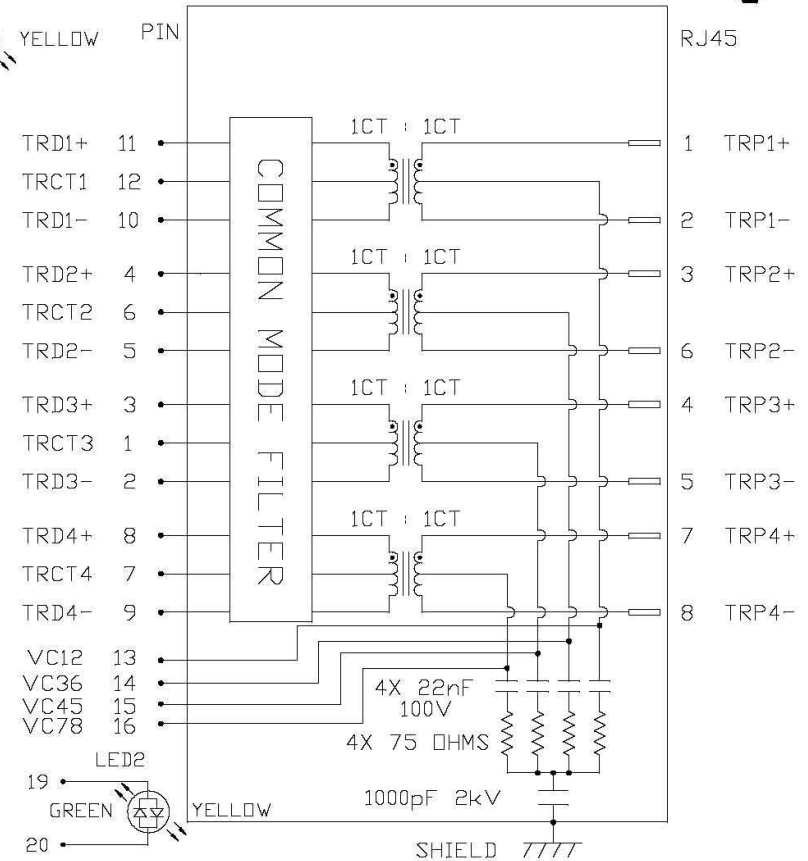
BALANCED DC LINE CURRENT

600mA MAX CONTINUOUS
1.2A MAX. FOR 200 MILLISECONDS

OPERATING TEMPERATURE: -40°C TO 85°C



SCHEMATIC



RoHS



ORIGINATED BY
CHOW WANCHUNG
DATE 2020-08-07

DRAWN BY
XIE YIMING
DATE 2020-08-07

TITLE
10 gigabit MagJack®
Vertical, 4PPoE
PATENTED

PART NO. / DRAWING NO.
G55-122N-155

FILE NAME
G55-122N-155_PB.DWG

STANDARD DIM.
TOL. IN INCH
[] METRIC DIM.
AS REF.

.X
.XX
.XXX
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

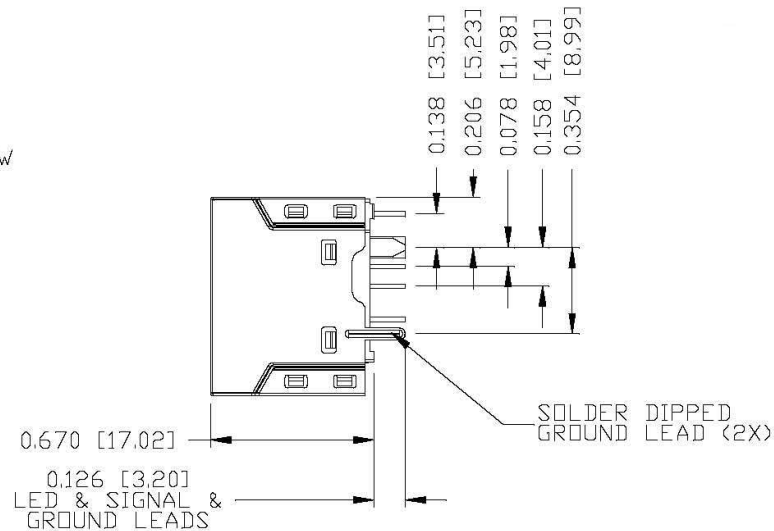
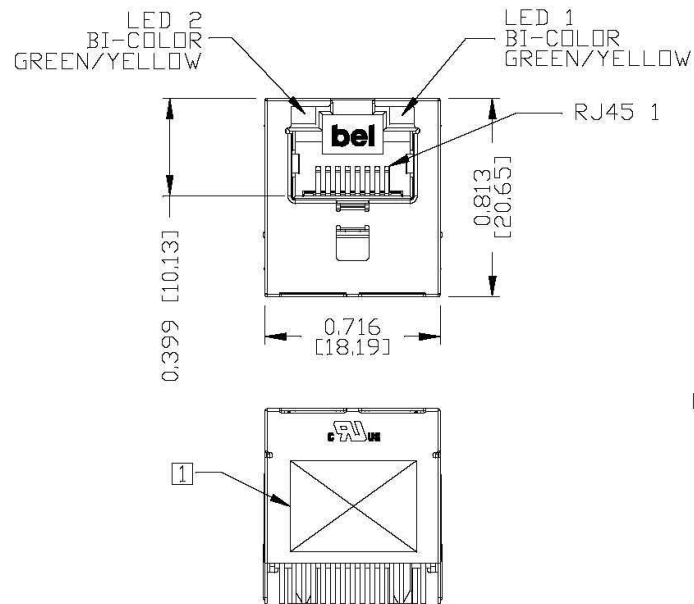
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MECHANICAL SPECIFICATION

RoHS



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
 FLAMMABILITY RATING UL 94V-0
 CONTACT PLATING: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT
 OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH,
 100 MICRO-INCH MIN MATTE TIN,
 PINS ARE SOLDER DIPPED,
 METAL SHIELD: STAINLESS STEEL
 (ALL GROUND LEADS ARE SOLDER DIPPED)



JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
 ① MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

2. THE PRODUCT IS ROHS COMPLIANT.

cULus UL RECOGNIZED – FILE #E169987.

3. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT 6,840,817 & U.S. PAT, 7,429,195 & U.S. PAT, 7,123,117 AND U.S. PAT, 7,924,130.

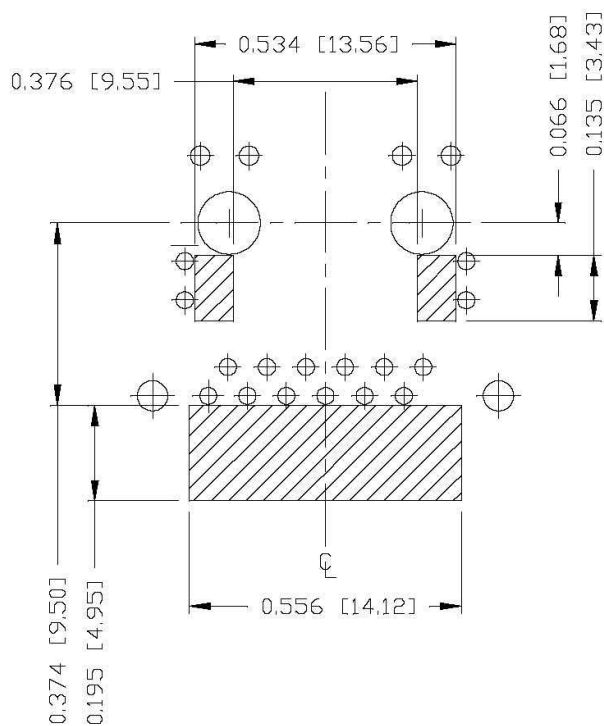
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX. AND 10 SECONDS MAX.,

ORIGINATED BY LI QUANKUN DATE 2020-08-07		TITLE 10 gigabit MagJack® Vertical, 4PPoE PATENTED	PART NO. / DRAWING NO. G55-122N-155		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		 bel MAGNETIC SOLUTIONS a bel group
DRAWN BY OLIVER ZHANG DATE 2020-08-07			FILE NAME G55-122N-155_PB.DWG		.X		UNIT : INCH [mm]		
					.XX		SCALE : N/A		
					.XXX		±0.010 		

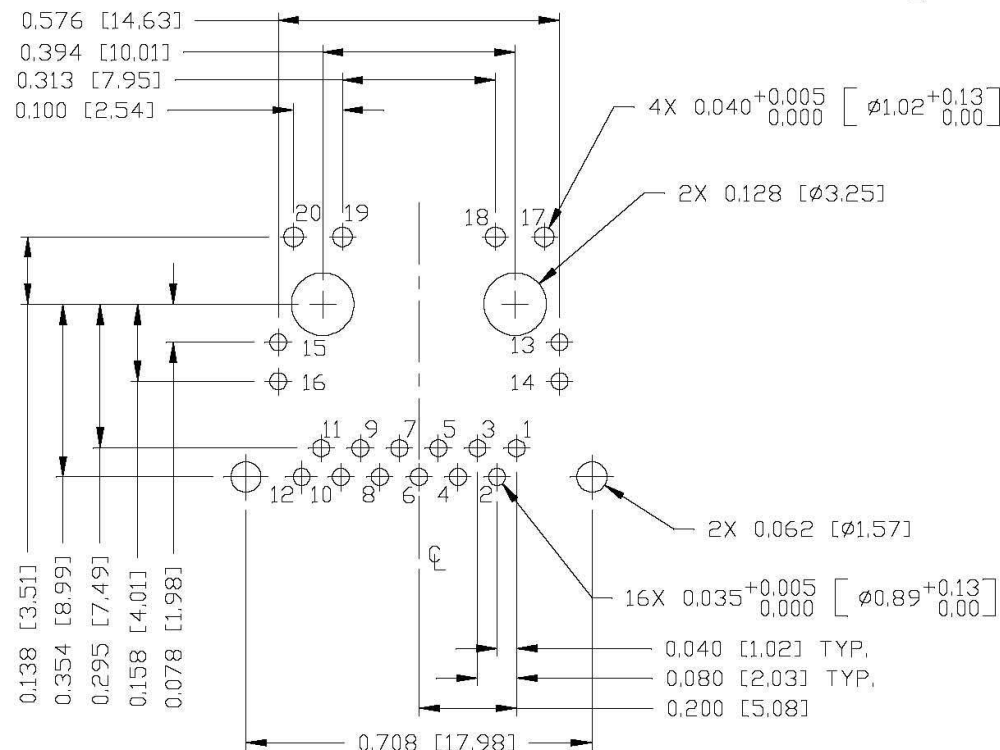
DC002(2)120214

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RoHS**NOTES**

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

**RECOMMENDED PCB FOOTPRINT****COMPONENT SIDE VIEW**

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LI QUANKUN
DATE 2020-08-07

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10 gigabit MagJack®
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PATENTED

PART NO. / DRAWING NO.

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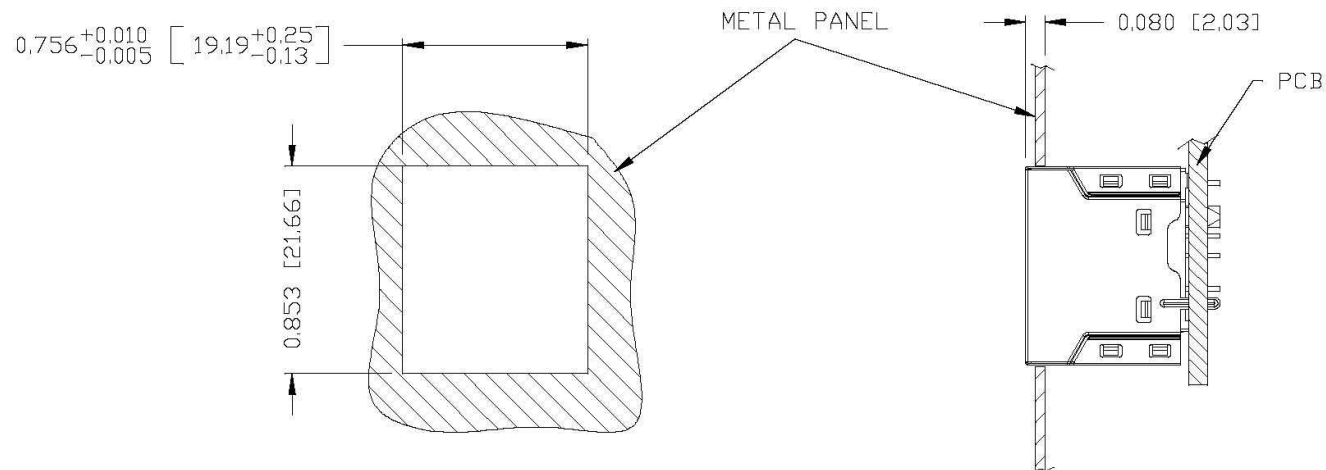
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PAGE : 4



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RoHSSUGGESTED PANEL OPENING**NOTES:**

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-T1(TOP)

0200M9999-T0(BOTTOM)

PACKING QUANTITY : 50 PCS FINISHED GOODS PER TRAY

9 TRAYS (450 PCS FINISHED GOODS) PER CARTON BOX

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

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ORIGINATED BY LI QUANKUN DATE 2020-08-07	TITLE 10 glgabit MagJack® Vertical, 4PPoE PATENTED	PART NO. / DRAWING NO. G55-122N-155	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		<div><div>bel MAGNETIC SOLUTIONS a bel group</div></div>			
DRAWN BY OLIVER ZHANG DATE 2020-08-07		FILE NAME G55-122N-155_PB.DWG	.X		UNIT : INCH [mm]					
			.XX		SCALE : N/A					
			.XXX	±0.005		SIZE : A4				

