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

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.

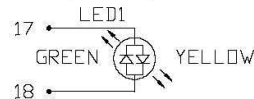
LED1 AND LED2

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

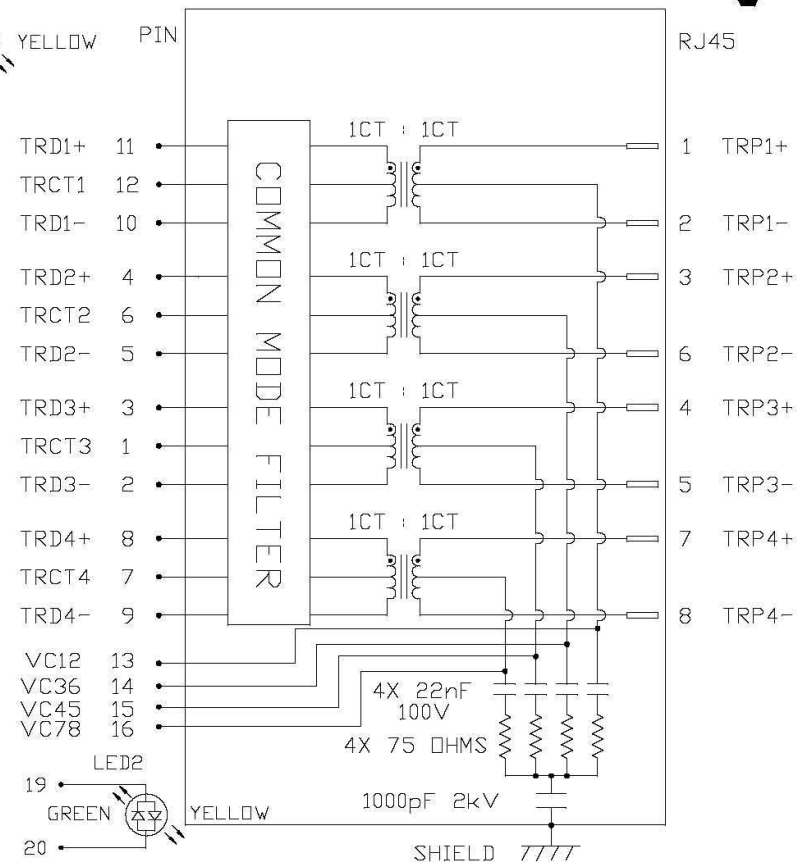
BALANCED DC LINE CURRENT

600mA MAX CONTINUOUS
1.2A MAX. FOR 200 MILLISECONDS

OPERATING TEMPERATURE: -40°C TO 85°C



SCHEMATIC



REV. :

PB

PAGE :

2

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

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

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



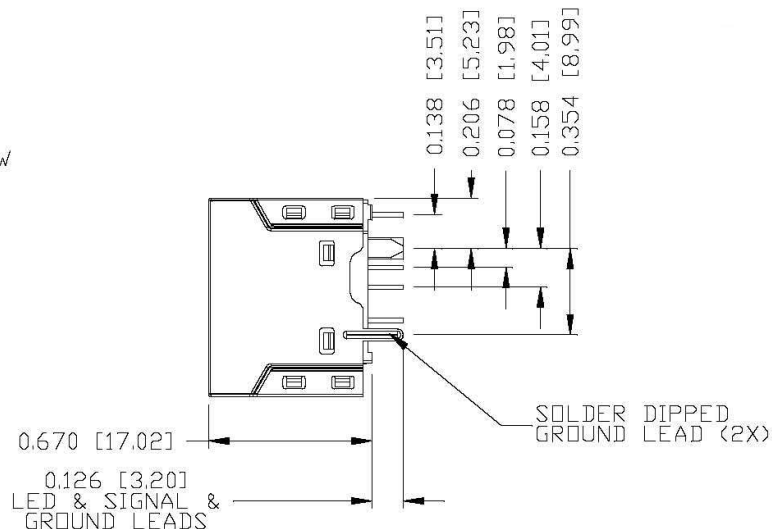
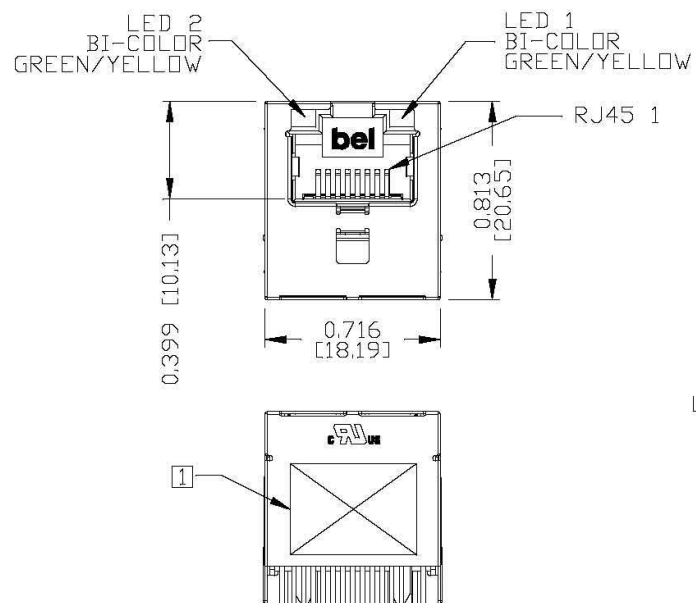
DC002(2)120214

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MECHANICAL SPECIFICATION

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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.

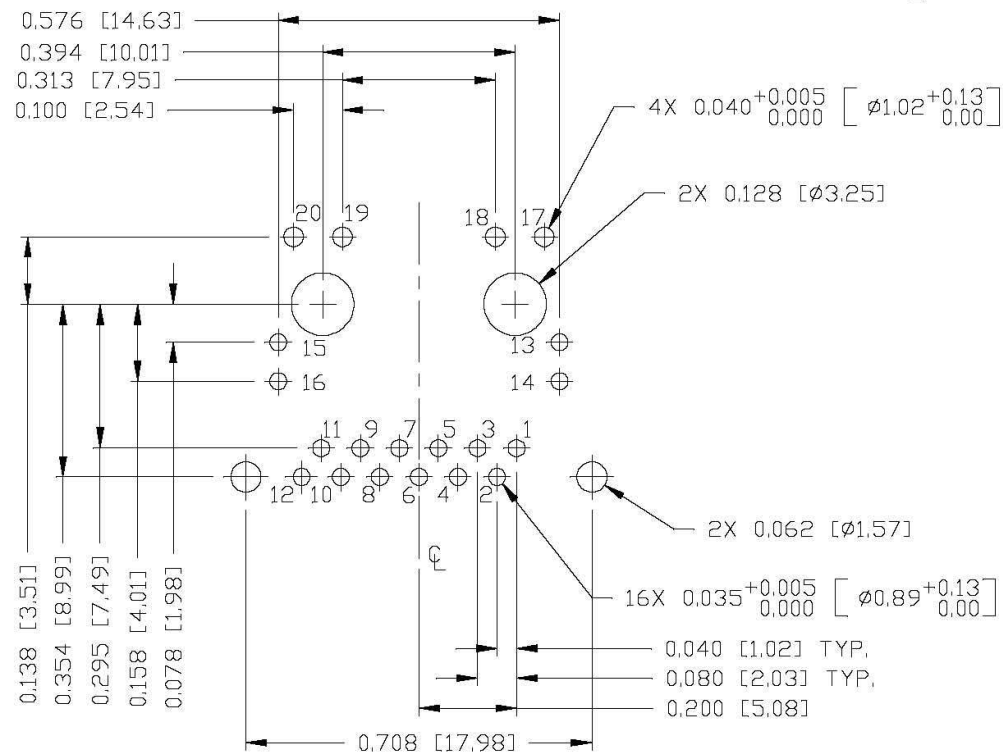
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX. AND 10 SECONDS MAX.,

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	 SIZE : A4	

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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.

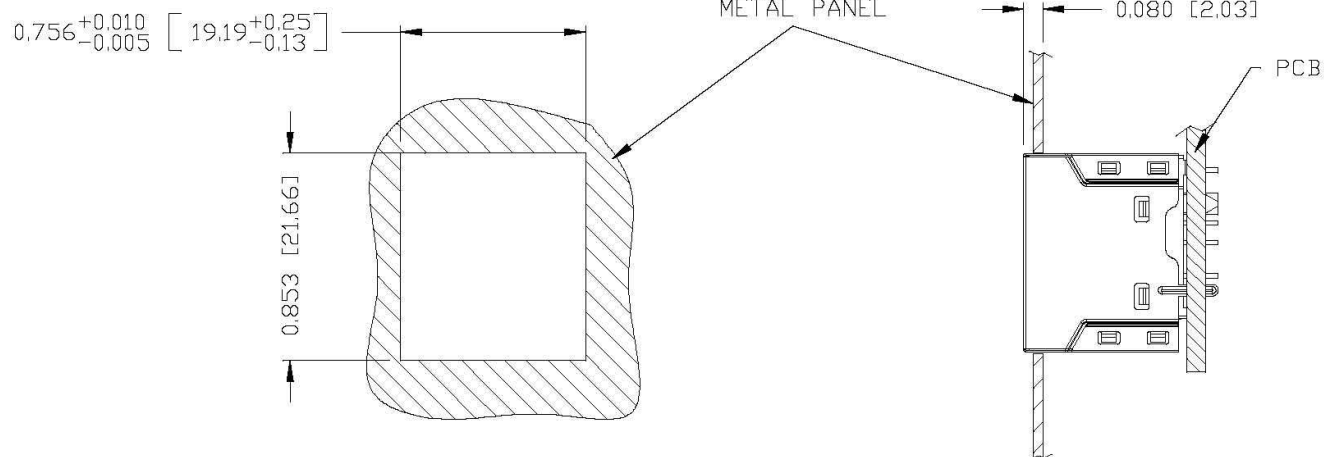
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		.XX		SCALE : N/A		
DRAWN BY OLIVER ZHANG DATE 2020-08-07			.XXX	±0.004	 SIZE : A4	

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SUGGESTED 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

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

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.XXX	±0.005	SIZE : A4

REV. : PB

PAGE : 5

