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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

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

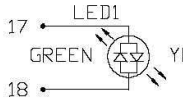
CM TO CM REJ
1MHz - 100MHz -30 dB MIN

HIPOT (Isolation Voltage): 2250 VDC
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

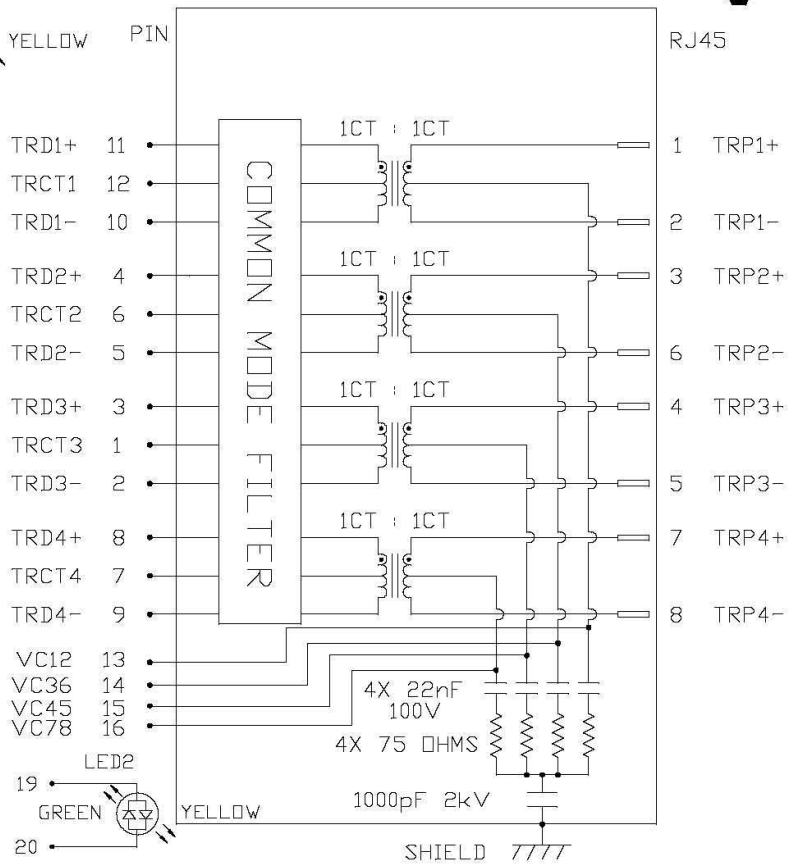
LED1 AND LED2
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.
YELLOW 590nm TYP.

BALANCED DC LINE CURRENT 600mA MAX CONTINUOUS
1.2A MAX. FOR 200 MILLISECONDS

OPERATING TEMPERATURE: -40°C TO 85°C



SCHEMATIC



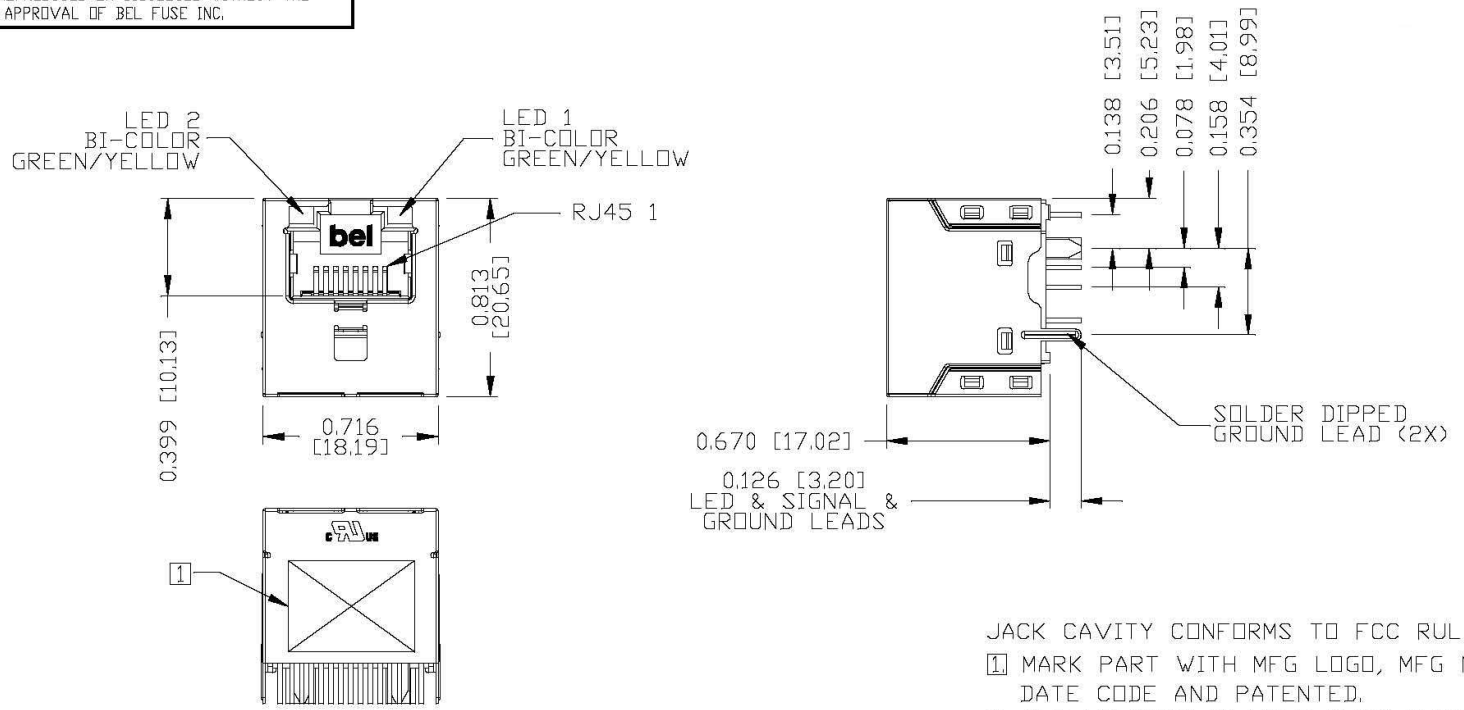
REV. : PB				PAGE : 2	
ORIGINATED BY CHOW WANCHUNG DATE 2020-08-07	TITLE 10 gigabit MagJack® Vertical, 4PPoE PATENTED	PART NO. / DRAWING NO. G55-122N-155	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY XIE YIMING DATE 2020-08-07		FILE NAME G55-122N-155_PB.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

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MECHANICAL SPECIFICATION

RoHS



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.

c UL us 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..

NOTES:

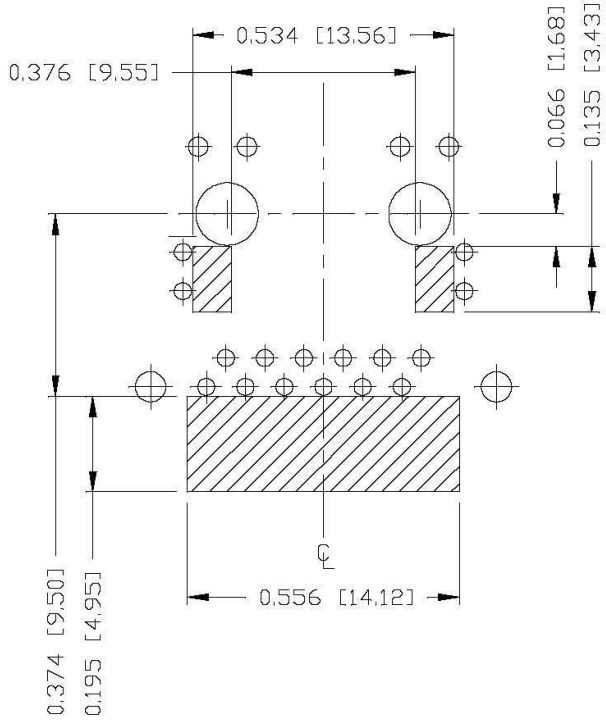
PLASTIC HOUSING:	THERMOPLASTIC PBT, BLACK FLAMMABILITY RATING UL 94V-0
CONTACT PLATING:	30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT
OUTPUT PINS:	TIN-COATED COPPER WIRE, DIA 0.018 INCH. 100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
METAL SHIELD:	STAINLESS STEEL (ALL GROUND LEADS ARE SOLDER DIPPED)

REV. : PB				PAGE : 3	
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 .XX .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

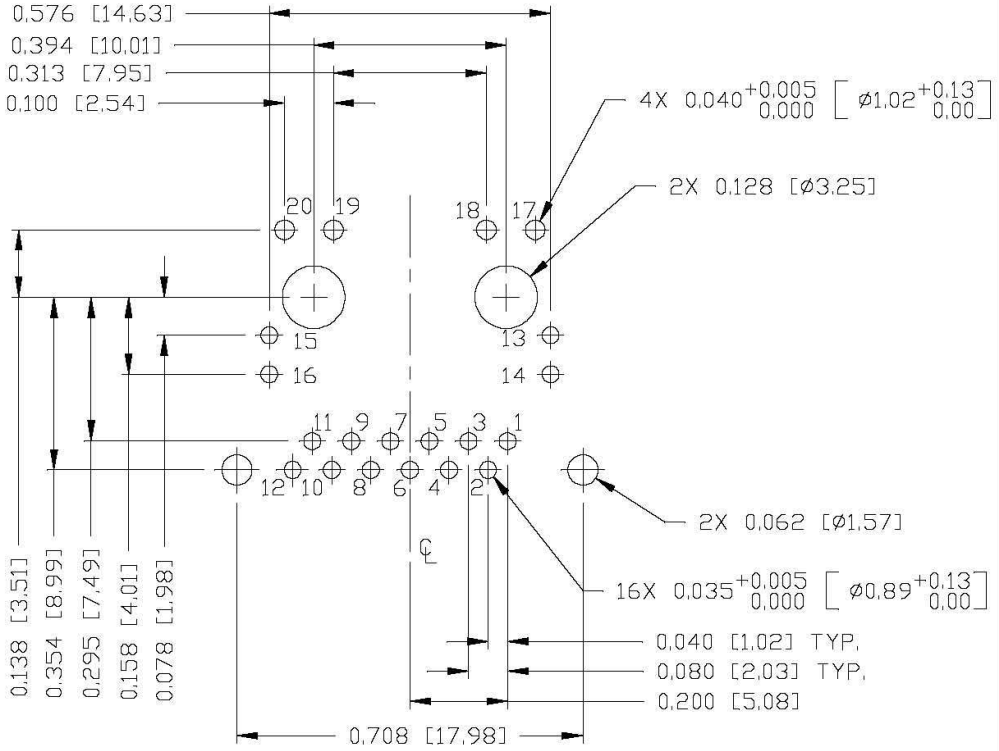
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RoHS



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



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

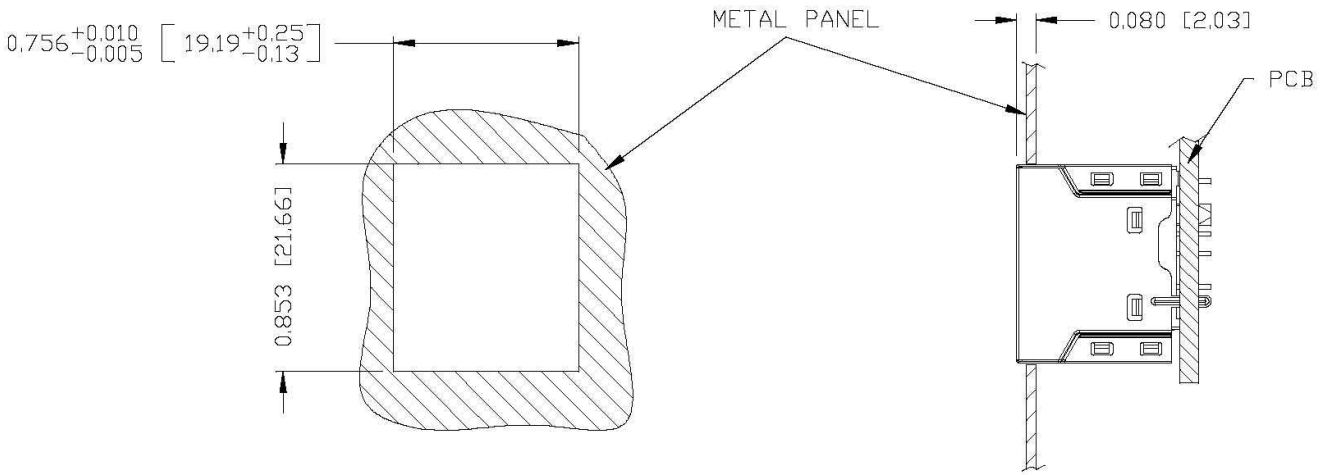
				REV. : PB	PAGE : 4
ORIGINATED BY LI QUANKUN DATE 2020-08-07	TITLE 10 gigabit MagJack® Vertical, 4PPoE PATENTED	PART NO. / DRAWING NO. G55-122N-155	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY OLIVER ZHANG DATE 2020-08-07		FILE NAME G55-122N-155_PB.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

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RoHS

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 PACKIING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

				REV. : PB	PAGE : 5
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 .X .XX .XXX ±0.005	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY OLIVER ZHANG DATE 2020-08-07		FILE NAME G55-122N-155_PB.DWG			

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Global Electronic Components Distributor

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Bel Fuse:

0685F1500-01 0ZCJ0016FF2E 0ZRP0050FF1E 0HAAL1600-02 0ABA-0250-TN 0ZRG0110FF1E BM-1BJPK025F CRB-HKMS 0ZCG0030FF2C 0680L9100-05 0685-2500-01 0685T0750-01 LWN2660-6EG SI 46001 F 0ZRR0005FF1E BM-6AJPK025F HR2320-9RG S811-1X1T-06-F 0679H9150-01 0680L9100-01 0685T4000-01 0685T7000-01 0ZRV0008FF1E 0ZRV0100FF1A 3SB2-R SS-60300-081 0685F0250-01 5HT 1-R 0ZCG0014FF2C 0ACG-5000-TE