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LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
-	+	GREEN	-	+		YELLOW
				+	-	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 CM REJ

1MHz - 500MHz	-30 dB MIN
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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.

LED 1

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

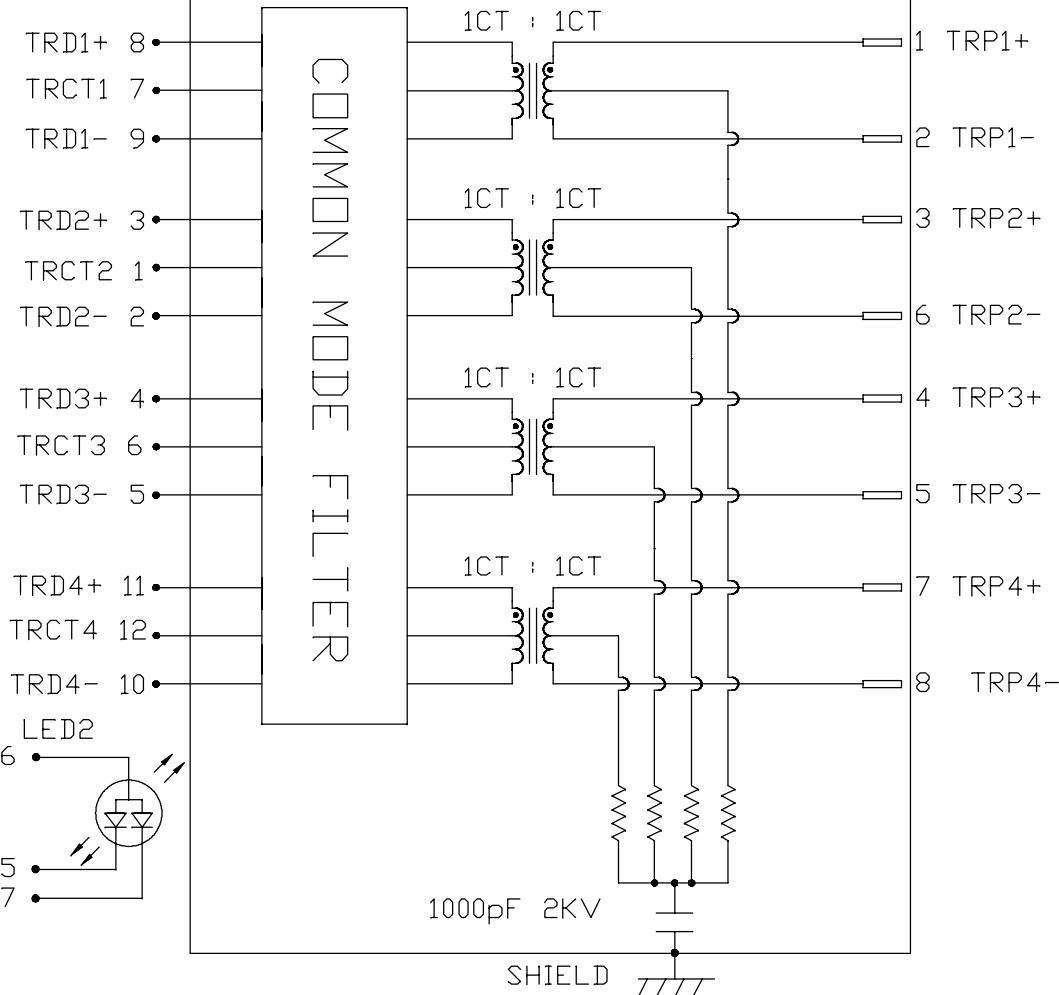
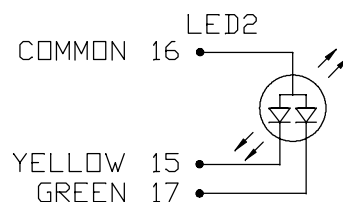
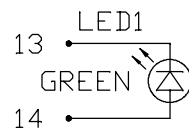
YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

YELLOW 590nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.

PIN



ORIGINATED BY
CHOW WANCHUNG
DATE 2019-04-23

TITLE

10 Gigabit MagJack®
(Ultra Low Profile)
PATENTED

DRAWN BY
XIE YIMING

DATE 2019-04-23

PART NO. / DRAWING NO.

G10-1GHN-056

FILE NAME

G10-1GHN-056_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

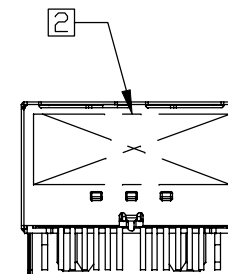
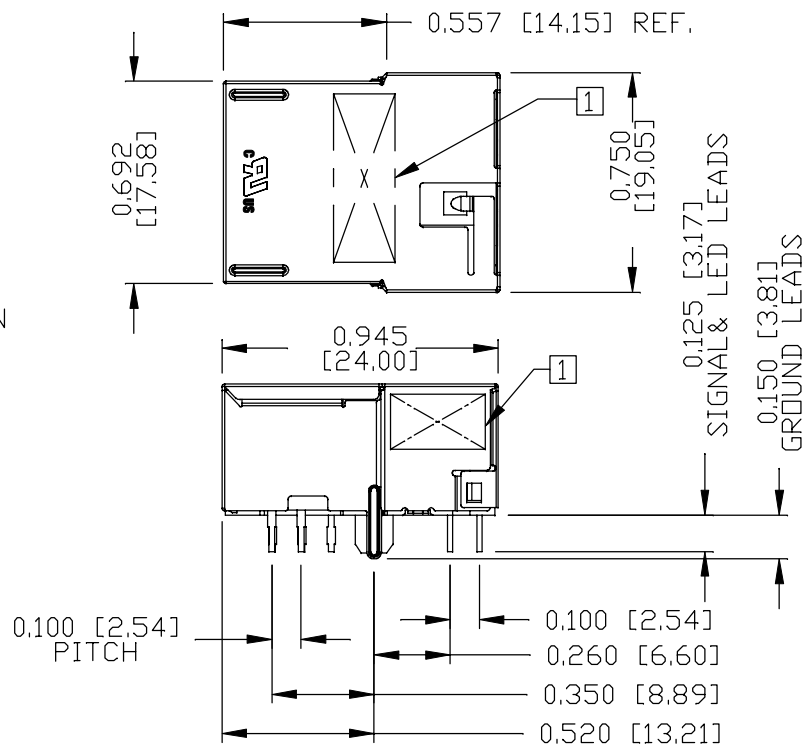
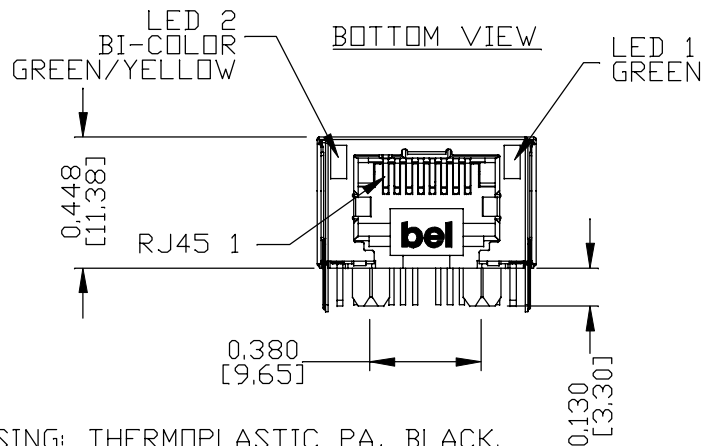


bel MAGNETIC SOLUTIONS
a bel group

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MECHANICAL SPECIFICATION

RoHS



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK, FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 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: NICKEL PLATED ON COPPER ALLOY. (ALL GROUND LEADS ARE SOLDER DIPPED)

- [1] MARK PART WITH PART NUMBER (G10-1GHN-056), DATE CODE AND PATENTED.
- [2] MARK PART WITH MFG. LOGO, MFG. NAME ON BACK VIEW.
3. THE PRODUCT IS RoHS COMPLIANT AND HALOGEN FREE. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.



UL RECOGNIZED - FILE #E169987.

4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,429,195 & U.S. PAT. 7,123,117 & U.S. PAT. 6,840,817 AND U.S. PAT. 7,924,130.
6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.

ORIGINATED BY
SANDY LIN
DATE 2019-04-23
DRAWN BY
OLIVER ZHANG
DATE 2019-04-23

TITLE
10 gigabit MagJack®
(Ultra Low Profile)
PATENTED

PART NO. / DRAWING NO.
G10-1GHN-056
FILE NAME
G10-1GHN-056_A.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

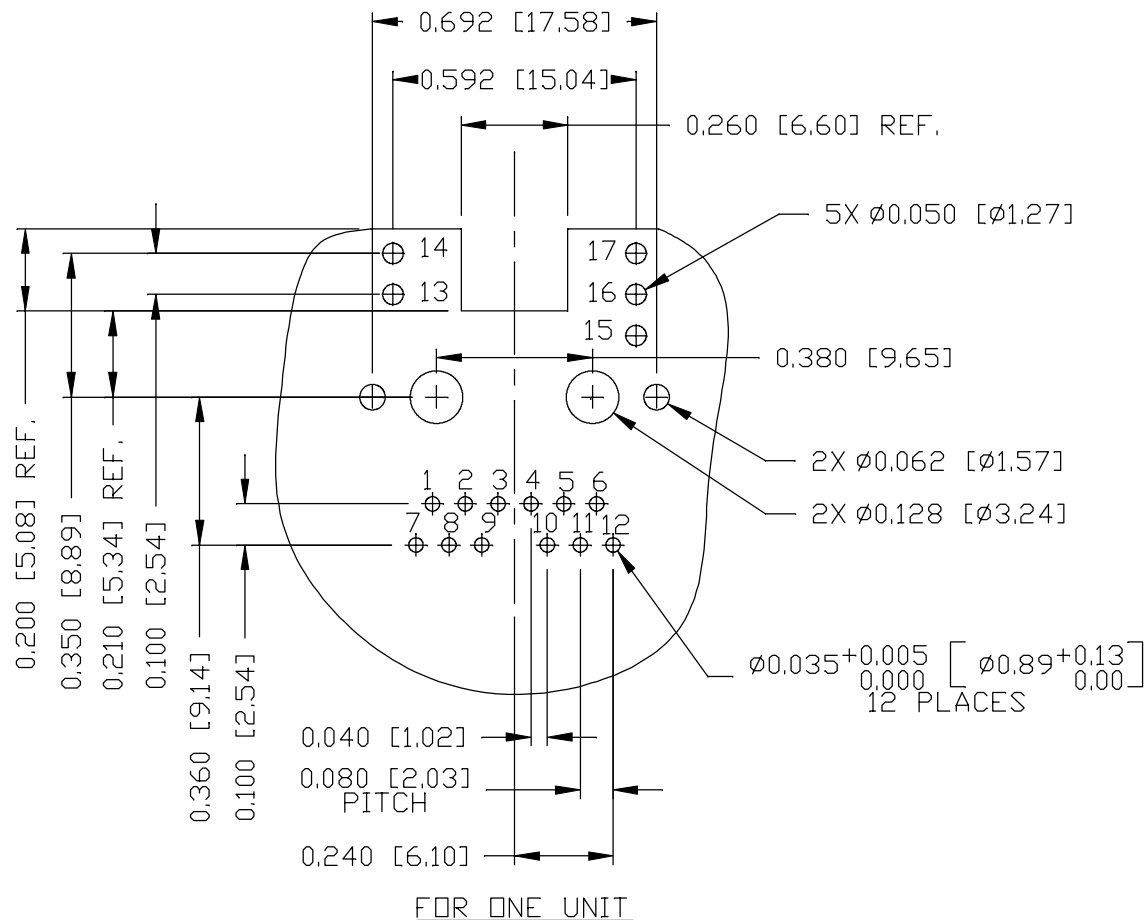


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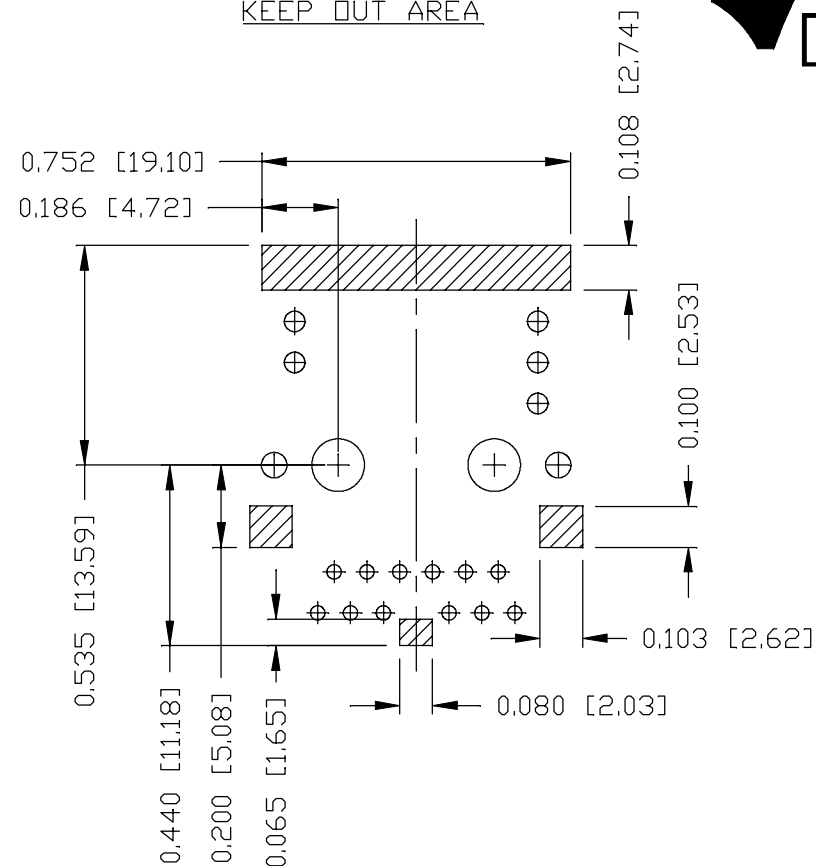


RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



KEEP OUT AREA



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

REV. : A PAGE : 4

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DATE 2019-04-23
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OLIVER ZHANG
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(Ultra Low Profile)
PATENTED

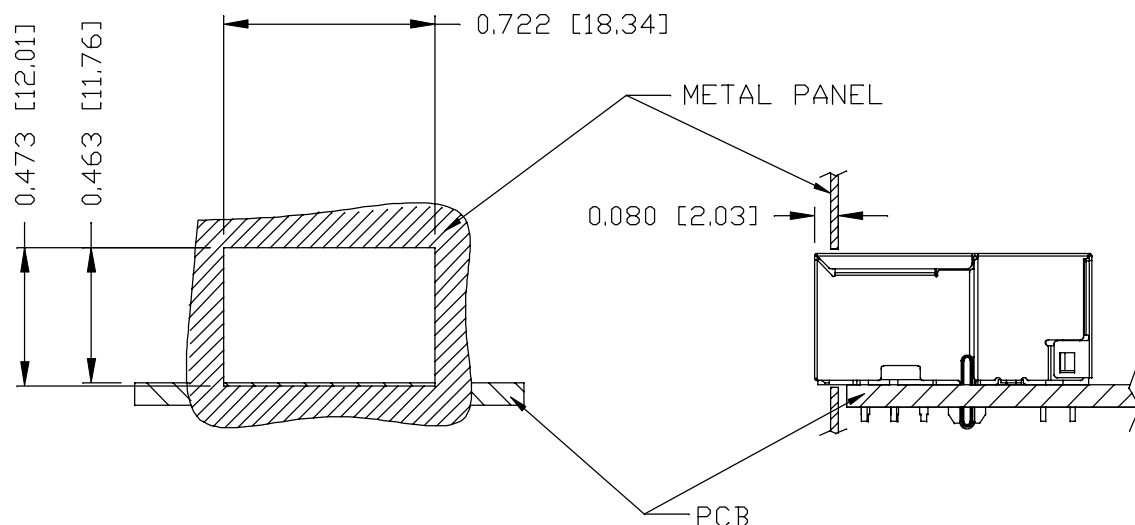
PART NO. / DRAWING NO.
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FILE NAME
G10-1GHN-056_A.DWG

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



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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.

TRAY PACKING INFORMATION

PACKING TRAY : 0200-9999-E4 (TOP)

0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

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

REV. : A PAGE : 5

ORIGINATED BY SANDY LIN DATE 2019-04-23	TITLE 10 gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO. G10-1GHN-056	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	
DRAWN BY OLIVER ZHANG DATE 2019-04-23		FILE NAME G10-1GHN-056_A.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

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