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LED 1 POLARITY			LED 2 POLARITY		
PIN 16	PIN 17	COLOR	PIN 18	PIN 19	COLOR
+	−	ORANGE	+	−	ORANGE
−	+	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) @ 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

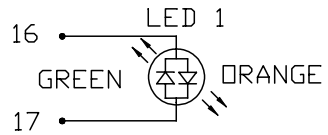
HIPOT (Isolation Voltage): 2250 VDC

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

LED1 AND LED2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
ORANGE 2.0V TYP.

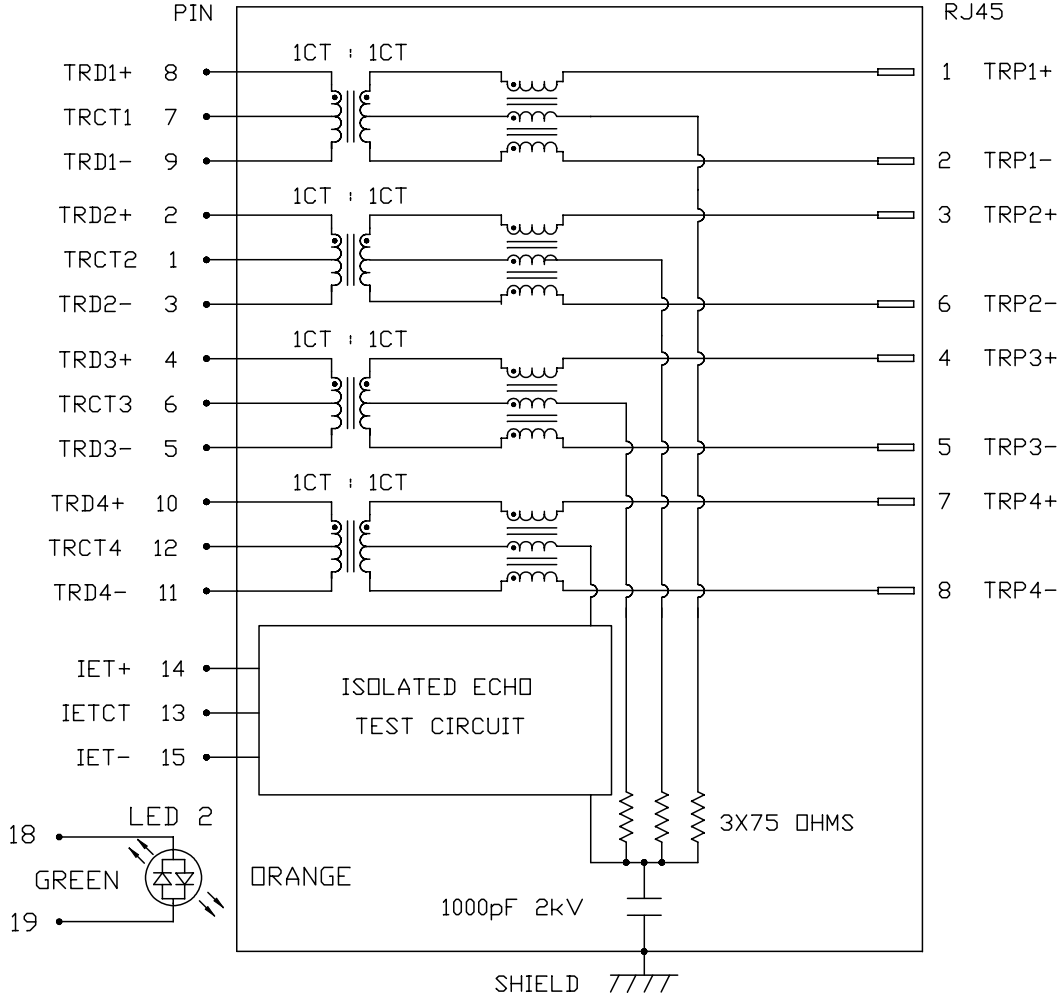
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
ORANGE 605nm TYP.



PRELIMINARY

RoHS HF

SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2014-07-16	10 gigabit MagJack® G15-111T-038E PATENTED	G15-111T038E	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
HU XIANG	2014-07-16		G15-111T038E_PA.DWG	.XXX	PAGE : 2

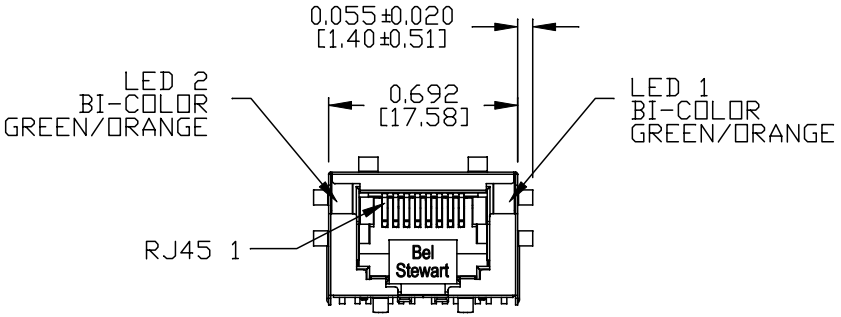
bel COMPONENTS FOR A CONNECTED PLANET

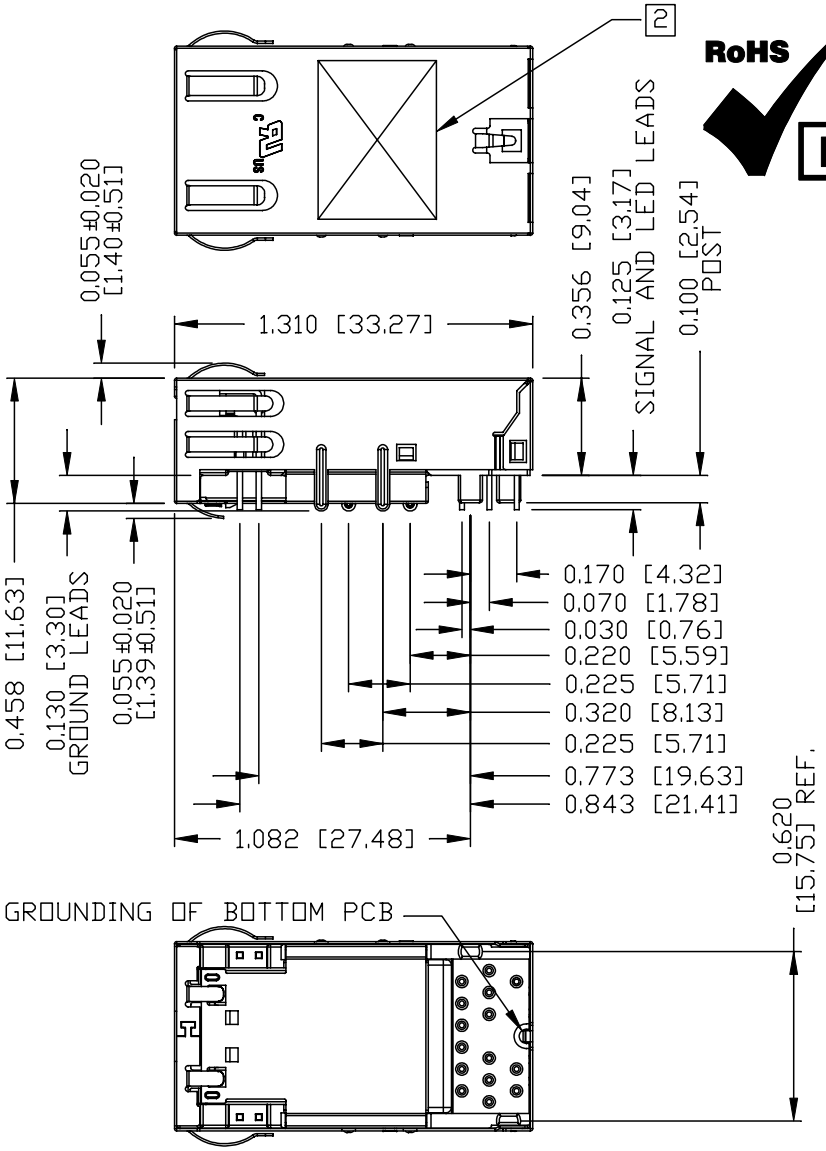
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Please read our datasheet & drawing disclaimer here.

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PRELIMINARY





RoHS HF

NOTES:

PLASTIC HOUSING:	THERMOPLASTIC PA FLAMMABILITY RATING UL 94V-0
CONTACT PLATING:	50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT
OUTPUT PINS:	TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD:	NICKEL PLATED ON COPPER ALLOY. (ALL GROUND LEADS ARE SOLDER DIPPED)

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, NAME, PART NUMBER, DATE CODE AND PATENTED.
3. c UL us UL RECOGNIZED - FILE #E169987.
4. THE PRODUCT IS RoHS COMPLIANT WITH NO EXEMPTION AND HALOGEN FREE WITH ANTIMONY TRIOXIDE CONTAIN LESS THAN 1000 PPM.
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,429,195 AND U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 & U.S. PAT. 7,123,117 AND U.S. PAT. 7,924,130.
6. THE PRODUCT IS FOR WAVE SOLDER ONLY.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	2014-07-16	10 gigabit MagJack® G15-111T-038E PATENTED	G15-111T038E	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
JESSE LI	2014-07-16		G15-111T038E_PA.DWG	.XXX	±0.010		PAGE : 3

bel COMPONENTS FOR A CONNECTED PLANET

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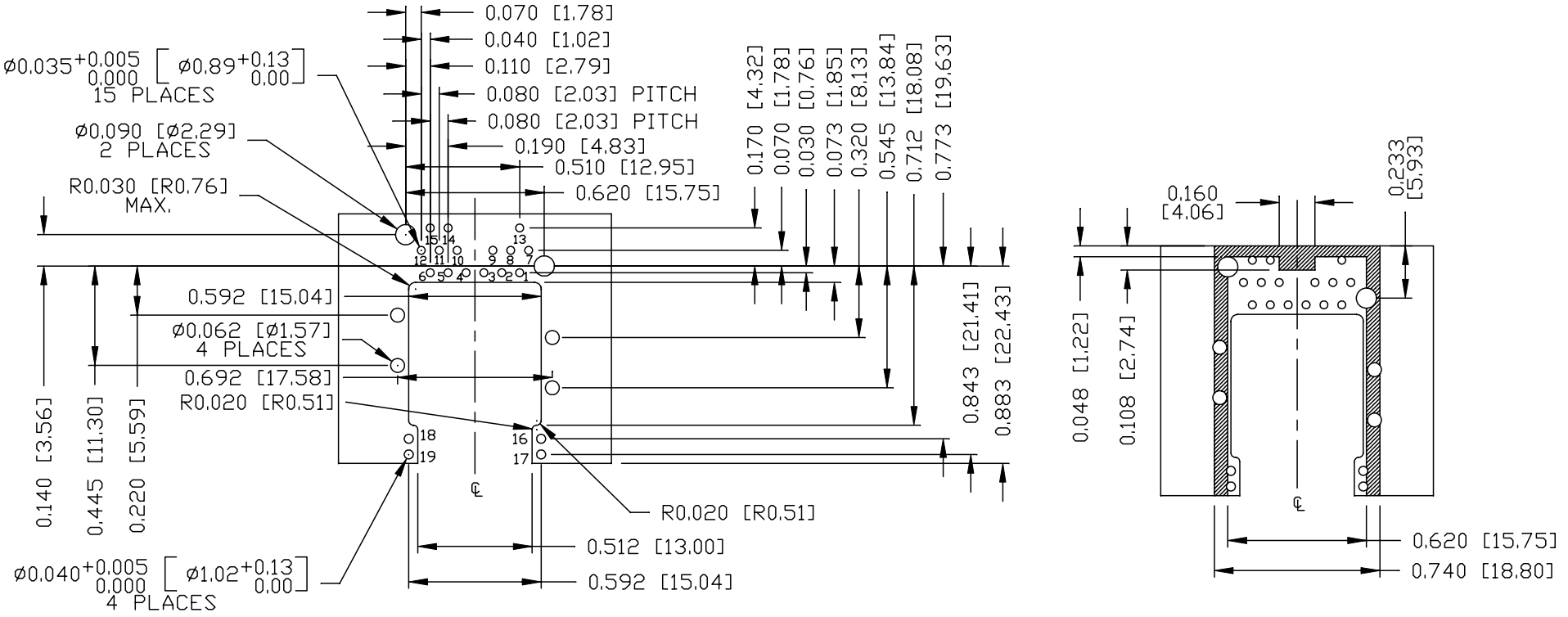
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PRELIMINARY

RoHS HF

RECOMMENDED PCB FOOTPRINT

(COMPONENT SIDE VIEW)



SUGGESTED FOOTPRINT

NOTES:

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	2014-07-16	10 gigabit MagJack® G15-111T-038E PATENTED	G15-111T038E	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
JESSE LI	2014-07-16		G15-111T038E_PA.DWG	.XXX	±0.004		PAGE : 4

bel COMPONENTS FOR A CONNECTED PLANET

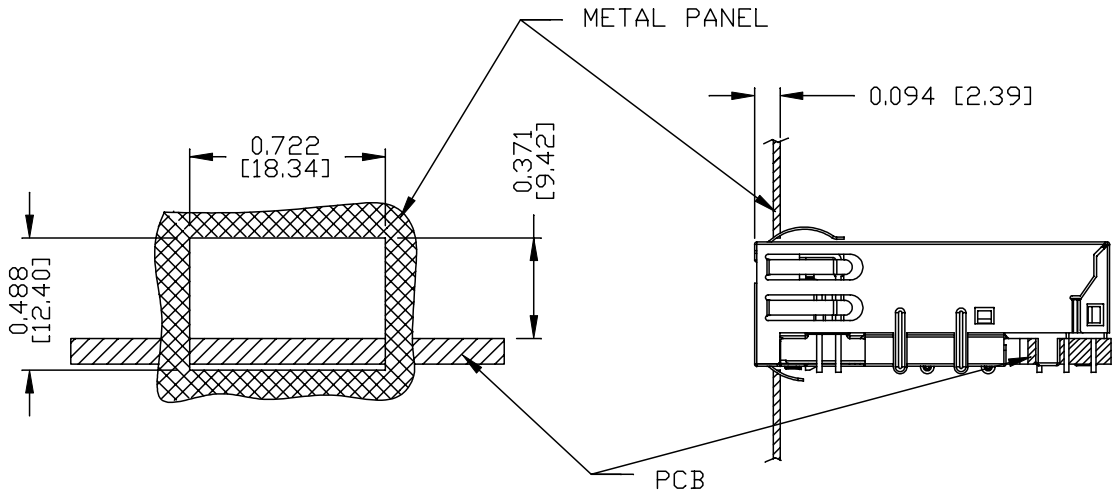
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PRELIMINARY

RoHS HF

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-K3 (TOP)
0200M9999-K2 (BOTTOM)
PACKING QUANTITY : 48 PCS FINISHED GOODS PER TRAY.
10 TRAYS (480 PCS FINISHED GOODS) PER CARTON BOX.
REMARK : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	2014-07-16	10 gigabit MagJack® G15-111T-038E PATENTED	G15-111T038E	.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
JESSE LI	2014-07-16		G15-111T038E_PA.DWG	.XXX	±0.004		PAGE : 5

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