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LED1 POLARITY				LED2 POLARITY			
PIN 16	PIN 17	PIN 18	COLOR	PIN 19	PIN 20	PIN 21	COLOR
–	+		ORANGE	–	+		ORANGE
	+	–	GREEN		+	–	GREEN

RoHS

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

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

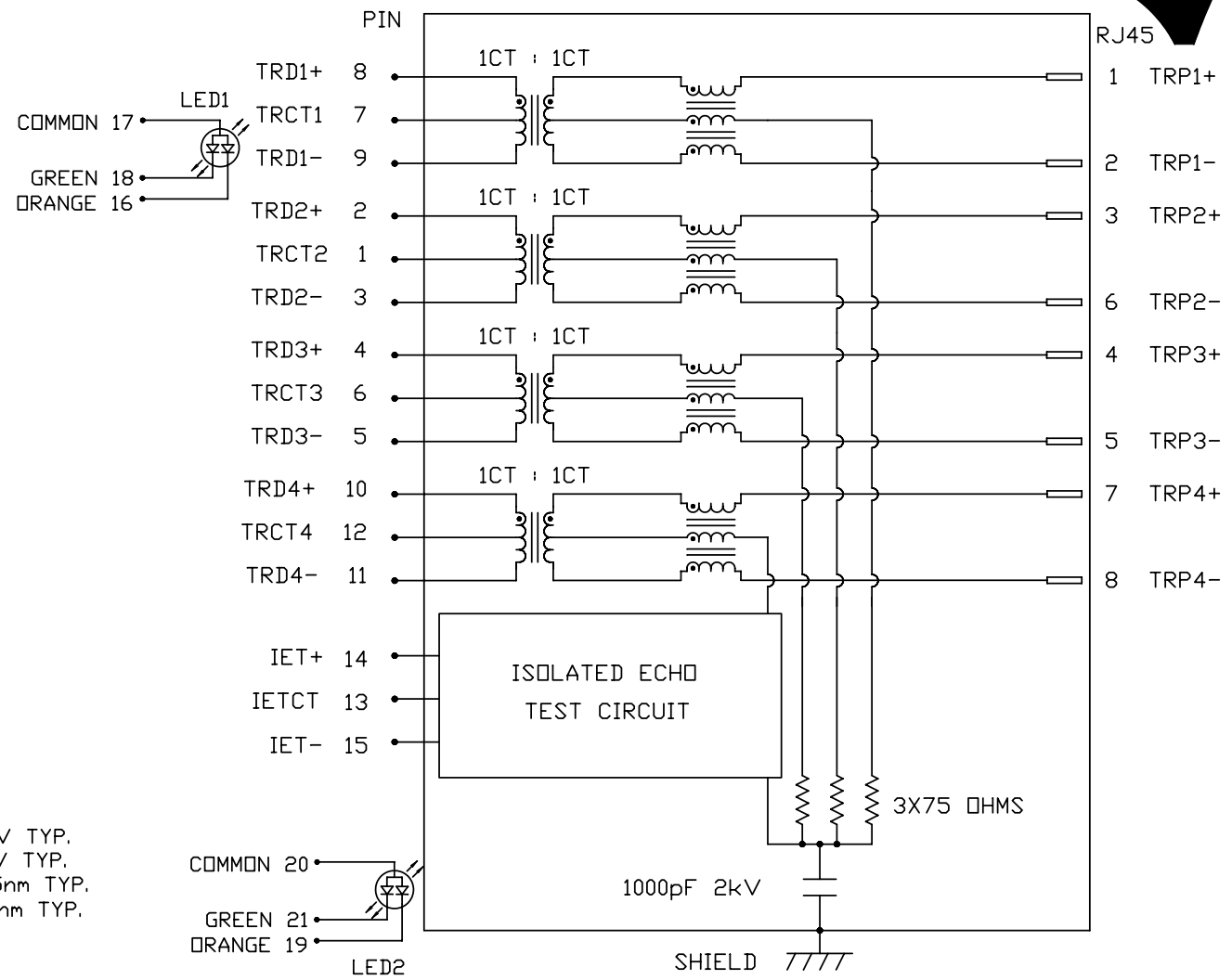
HIPOT (Isolation Voltage): 2250 VDC

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

LED 1 & LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.

SCHEMATIC



ORIGINATED BY: CHOW WANCHUNG	DATE: 2012-06-26	TITLE: 10 Gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO.: G12-1JJT-038	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: CHEN SILIANG	DATE: 2012-06-26		FILE NAME: G12-1JJT-038_D.DWG		UNIT : INCH [mm] / REV. : D
					SCALE : N/A / SIZE : A4
					PAGE : 2

bel COMPONENTS FOR A CONNECTED PLANET

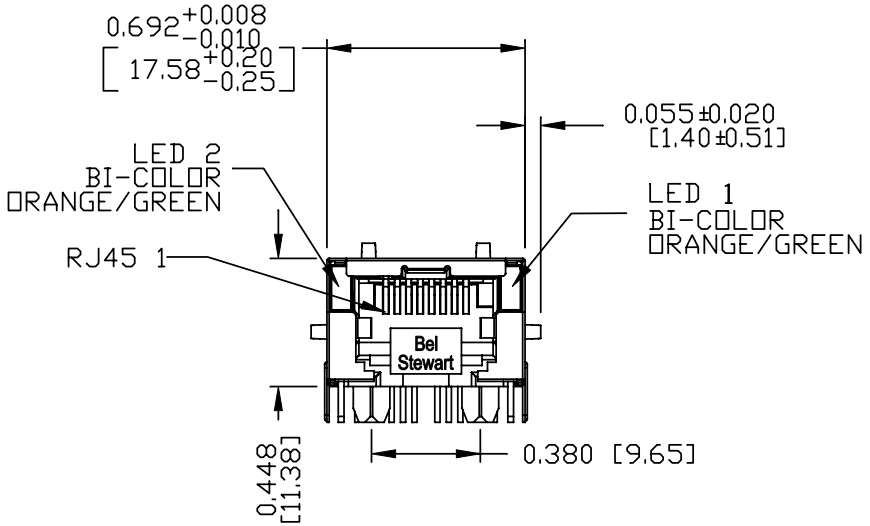
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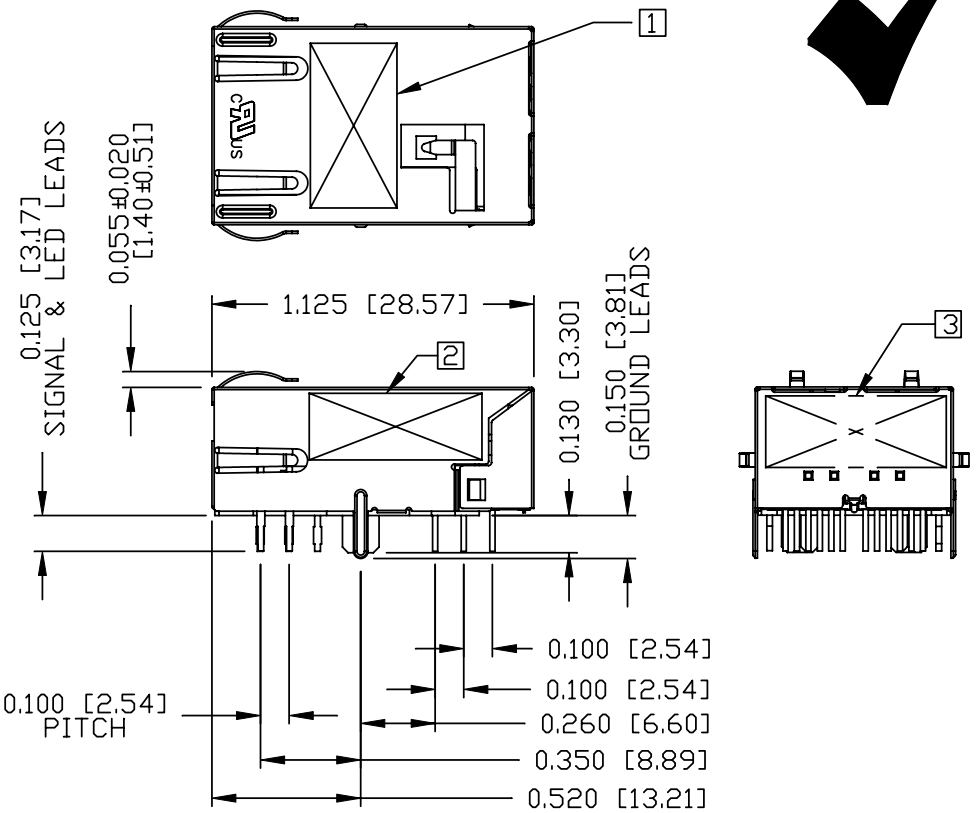
Please read our datasheet & drawing disclaimer here.

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RoHS

MECHANICAL SPECIFICATION





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA.
FLAMMABILITY RATING UL 94V-0

CONTACTS: 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. MARK PART WITH PART NUMBER AND DATE CODE
2. MARK PART WITH MFG. LOGO AND MFG. NAME.
3. "PATENTED" MARKING, THE PRODUCT IS PATENT PRODUCT.
   THE PATENT NUMBERS ARE U.S. PAT. 7,429,195
   AND U.S. PAT. 7,123,117 AND U.S. PAT. 5,736,910.
   AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,924,130.
4. THE PRODUCT IS RoHS COMPLIANT.
   c UL us UL RECOGNIZED - FILE #E169987.
5. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	2012-06-26	10 Gigabit MagJack® (Ultra Low Profile) PATENTED	G12-1JJT-038	.X	UNIT : INCH [mm]	REV. : D
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
HE ZHEN	2012-06-26		G12-1JJT-038_D.DWG	.XXX ±0.010		PAGE : 3

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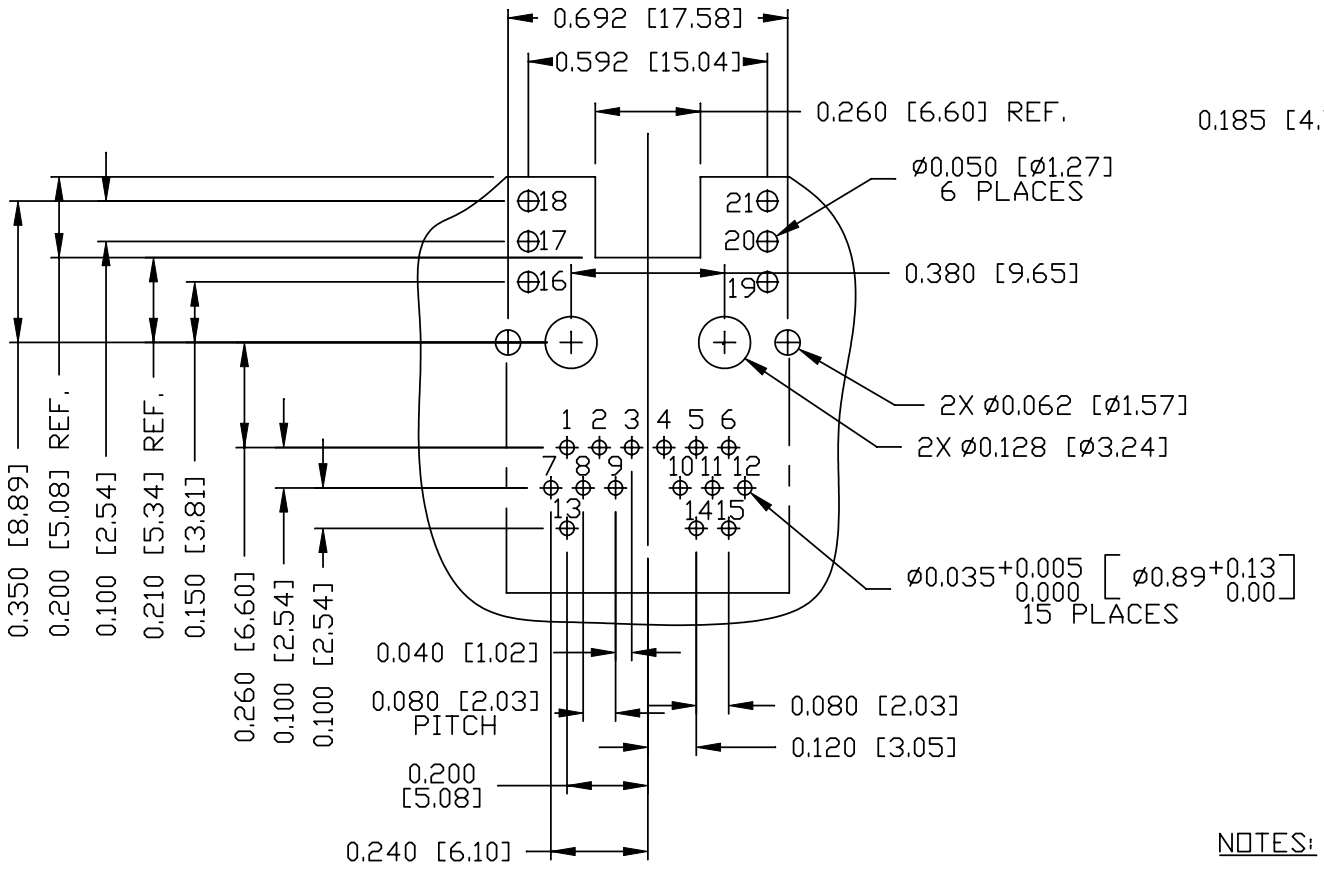
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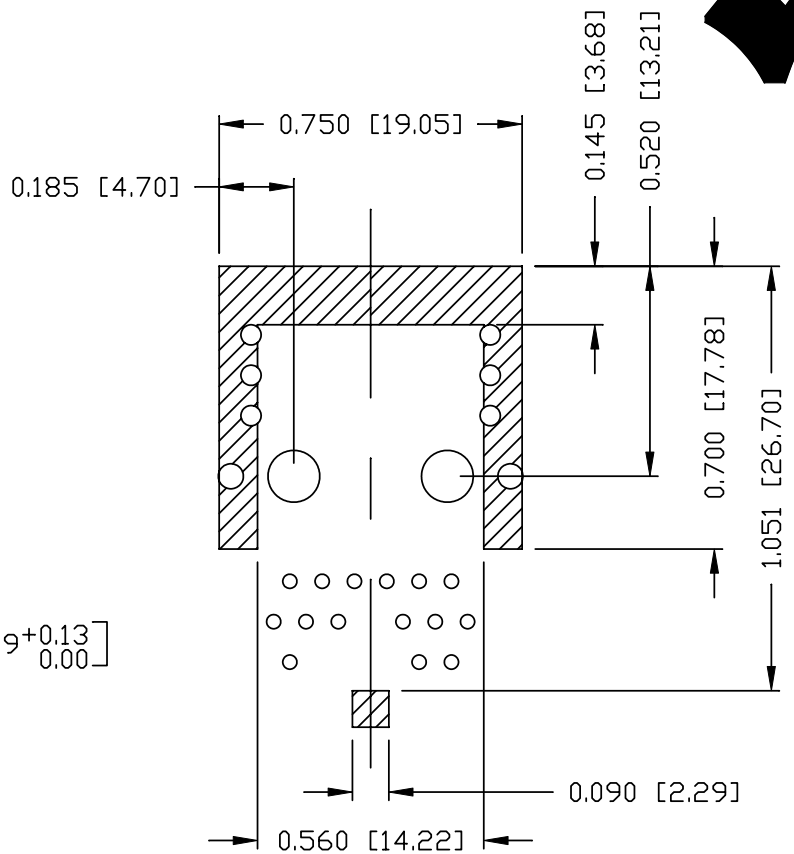
RoHS

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



FOR ONE UNIT



NOTES:

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

ORIGINATED BY: ANTON LIAO	DATE: 2012-06-26	TITLE: 10 Gigabit MagJack® (Ultra Low Profile) PATENTED	PART NO. / DRAWING NO.: G12-1JJT-038	STANDARD DIM. TOL. IN INCH: .X		[ ] METRIC DIM. AS REFERENCE	
DRAWN BY: HE ZHEN	DATE: 2012-06-26		FILE NAME: G12-1JJT-038_D.DWG	.XX		UNIT : INCH [mm]	REV. : D
				.XXX	±0.004	SCALE : N/A	SIZE : A4
							PAGE : 4

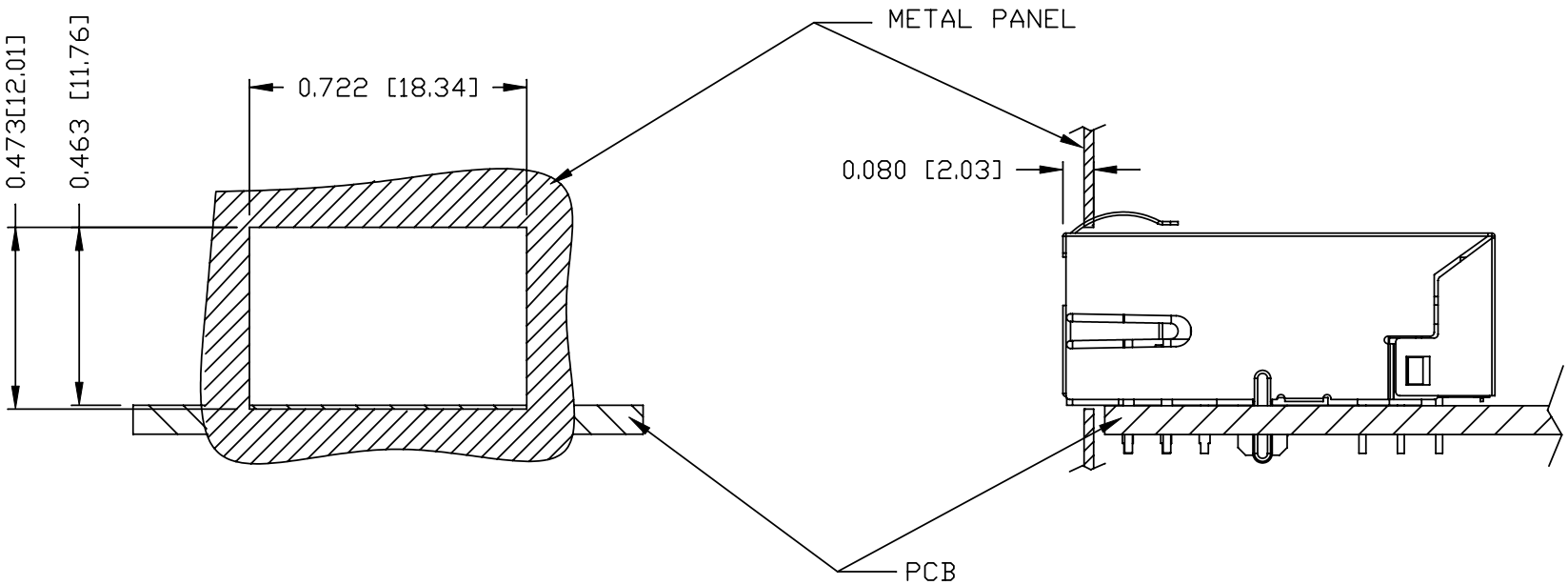
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SUGGESTED PANEL OPENING



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 : 0200M9999-C6 (TOP)
0200M9999-C7 (BOTTOM)

PACKING QUANTITY : 50 PCS FINISHED GOODS PER TRAY
10 TRAYS (500 PCS FINISHED GOODS) PER CARTON BOX

NOTE : 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	2012-06-26	10 Gigabit MagJack® (Ultra Low Profile) PATENTED	G12-1JJT-038	.X		UNIT : INCH [mm]	REV. : D
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
HE ZHEN	2012-06-26		G12-1JJT-038_D.DWG	.XXX	±0.004		PAGE : 5

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