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

PRELIMINARY

RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

URNS 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)

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

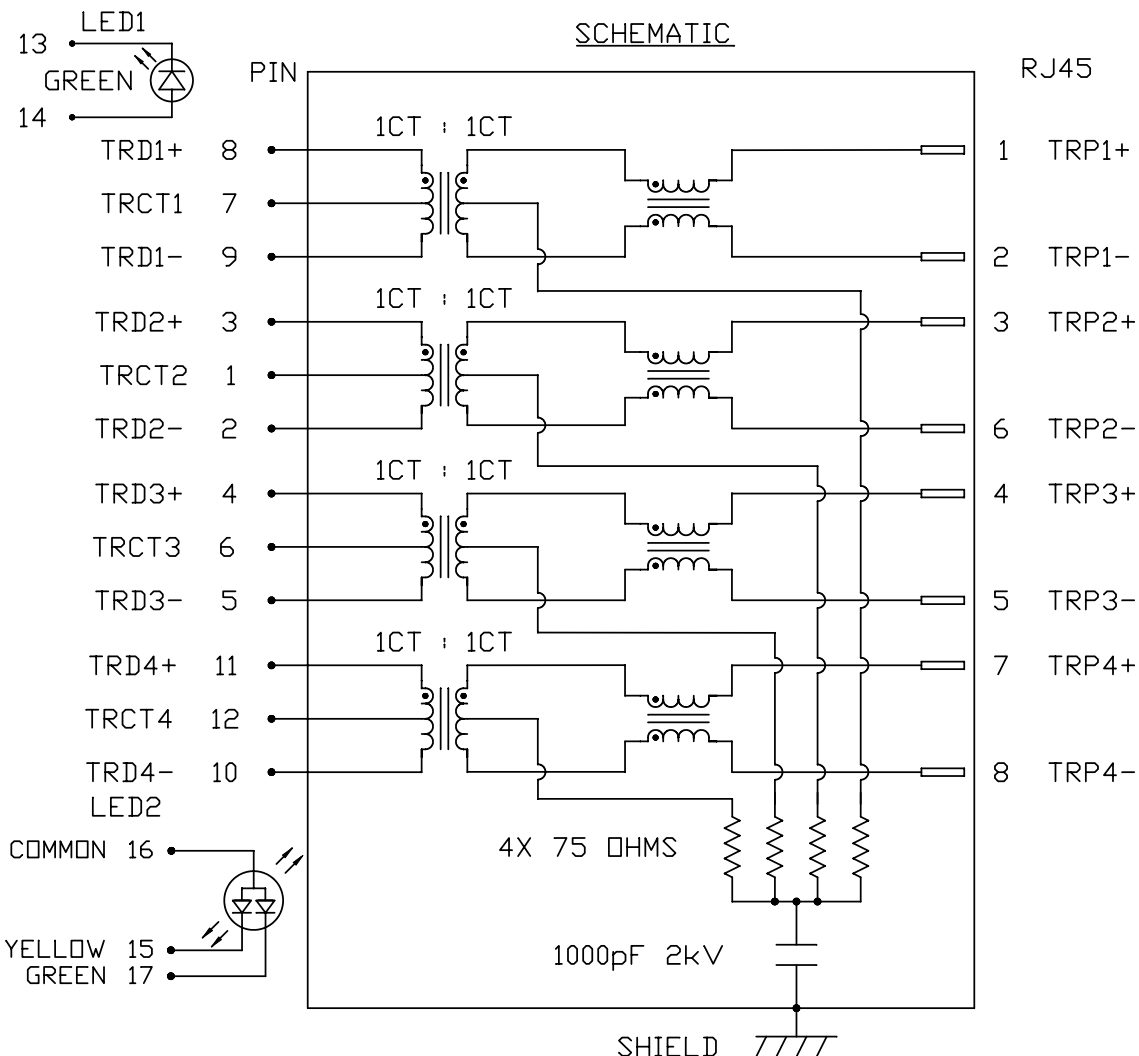
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1

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

LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	2.1V TYP.
		GREEN	565nm TYP.
		YELLOW	590nm TYP.



ORIGINATED BY	DATE
CHOW WANCHUNG	2012-06-21
DRAWN BY	DATE
TAN QIGUANG	2012-06-21

TITLE
10 Gigabit MagJack®
(Ultra Low Profile)
PATENTED

PART NO. / DRAWING NO.
G10-1GHT-035
FILE NAME
G10-1GHT-035_PD.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	REV. : PD
	SIZE : A4
	PAGE : 2

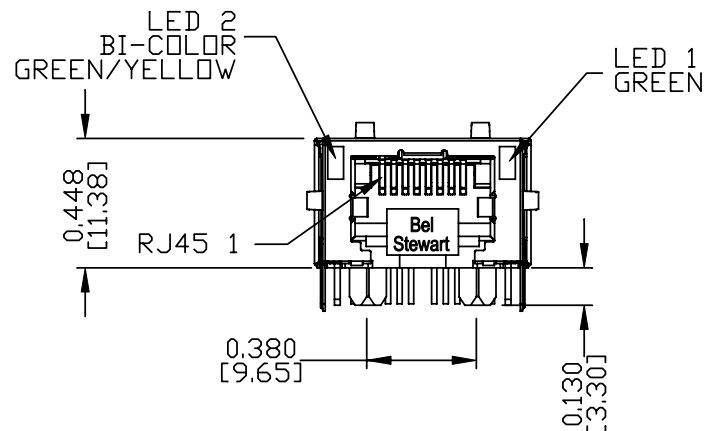
bel
COMPONENTS FOR A
CONNECTED
PLANET

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MECHANICAL SPECIFICATION

PRELIMINARY

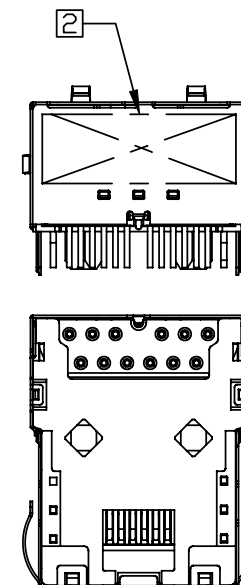
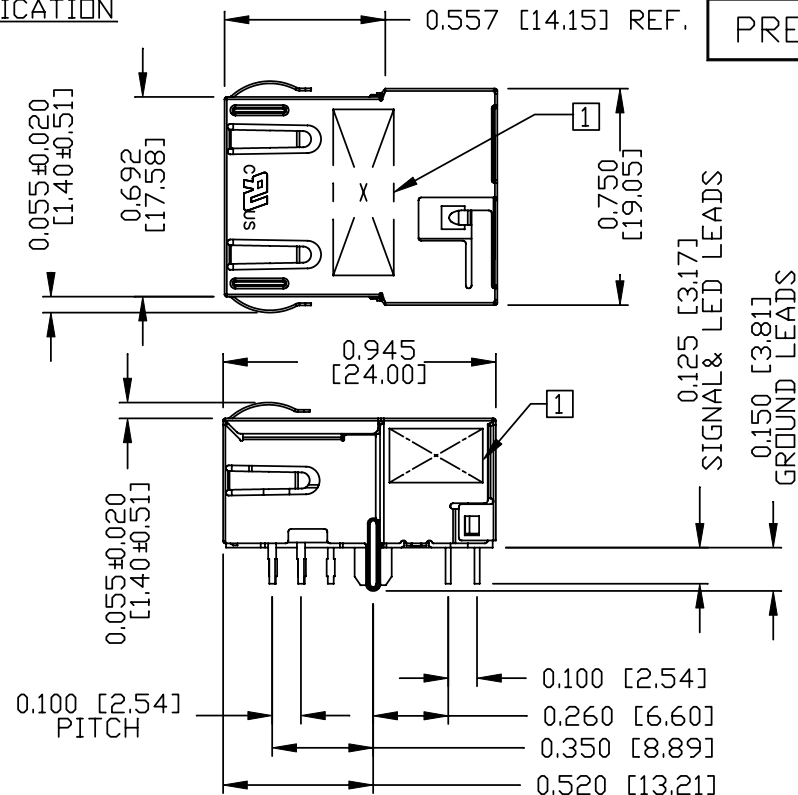
RoHS



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 (G10-1GHT-035), DATE CODE AND PATENTED.
- ② MARK PART WITH MFG. LOGO, MFG. NAME ON BACK VIEW.
3. THE PRODUCT IS RoHS COMPLIANT.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.



UL US UL RECOGNIZED - FILE #E169987.

4. THE PRODUCT IS PATENT PRODUCT. THE PATENT NUMBER ARE
U.S. PAT. 7,429,195 AND U.S. PAT. 5,736,910
AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,924,130.
5. 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	2012-06-21	10 gigabit MagJack® (Ultra Low Profile) PATENTED	G10-1GHT-035	.X	UNIT : INCH [mm]	REV. : PD
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
HE JINGLONG	2012-06-21		G10-1GHT-035_PD.DWG	.XXX ±0.010	⊕	PAGE : 3

bel
COMPONENTS FOR A
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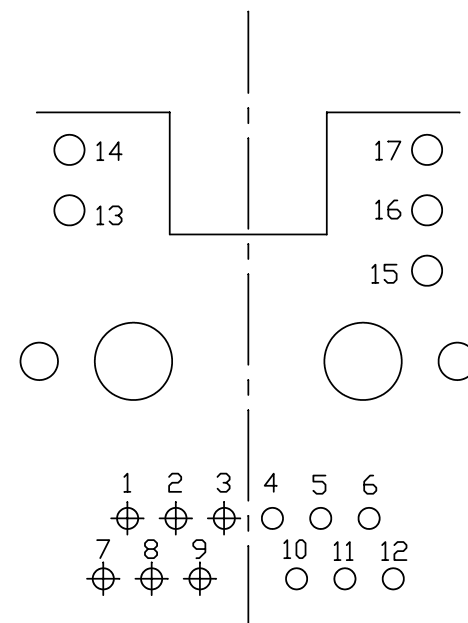
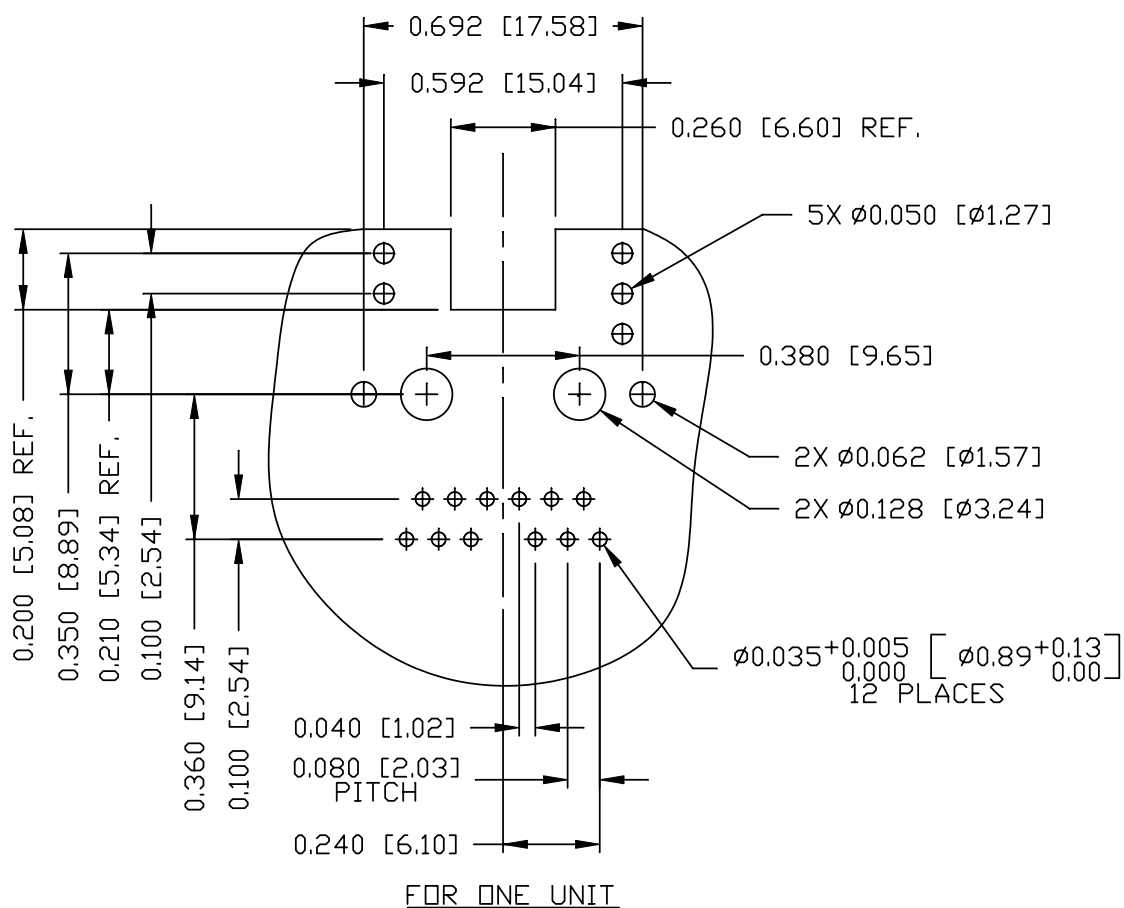
PRELIMINARY

RoHS



RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



PIN-OUT INFORMATION

(SCALE 1.5:1)

ORIGINATED BY	DATE
ANTON LIAO	2012-06-21
DRAWN BY	DATE
HE JINGLONG	2012-06-21

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PART NO. / DRAWING NO.
G10-1GHT-035
FILE NAME
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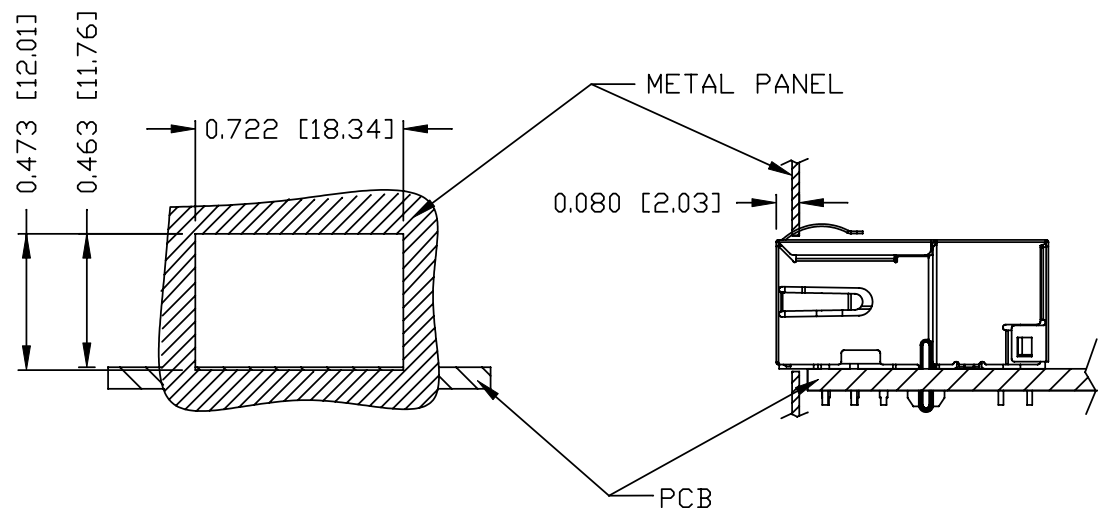
STANDARD DIM. TOL. IN INCH
.X
.XX
.XXX
±0.004

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : PD
SIZE : A4
PAGE : 4





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

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

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4	
HE JINGLONG	2012-06-21		G10-1GHT-035_PD.DWG	.XXX ±0.004		PAGE : 5	