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RoHS



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

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
□CL @ 100kHz/100mVRMS	(0-70 Deg. C)
8mA DC BIAS	350µH MIN.
INS. LOSS	
0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX
RET. LOSS (MIN) @ 100 ΩHMS +/-15%	
0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

CROSS TALK

1MHz - 100MHz -30 dB MIN

HIPOT (Isolation Voltage):

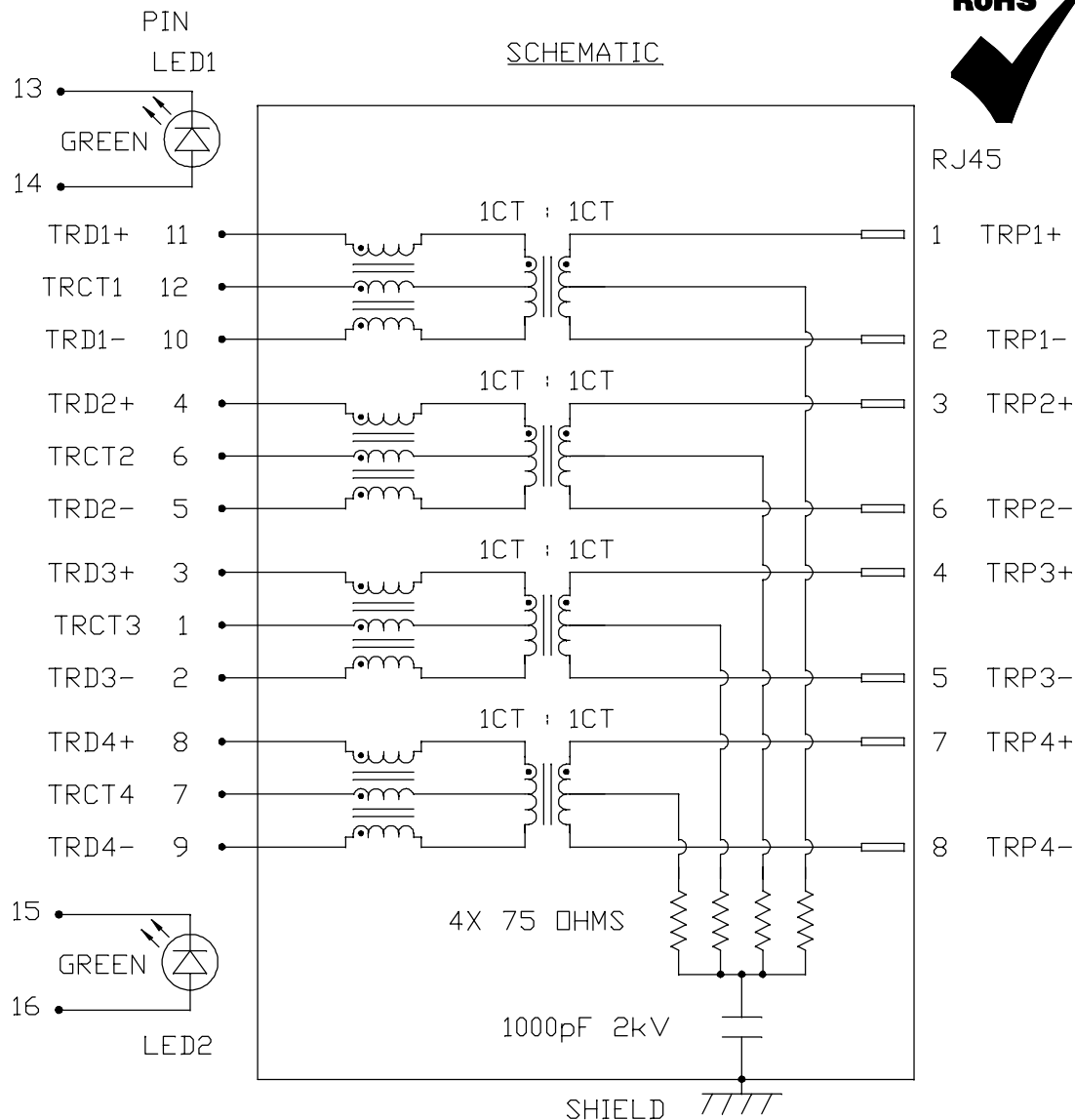
1500 Vrms

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

LED 1& LED2

V_F (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
λ_D (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

OPERATING TEMPERATURE: 0°C TO +70°C.



REV. : H PAGE : 2

ORIGINATED BY CHOW WANCHUNG	TITLE gigabit MagJack® (NanoJack) PATENTED
DATE 2017-03-11	
DRAWN BY LINFENG LI	
DATE 2017-03-11	

PART NO. / DRAWING NO. L834-1G1T-S7	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
FILE NAME L834-1G1T-S7_H.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4

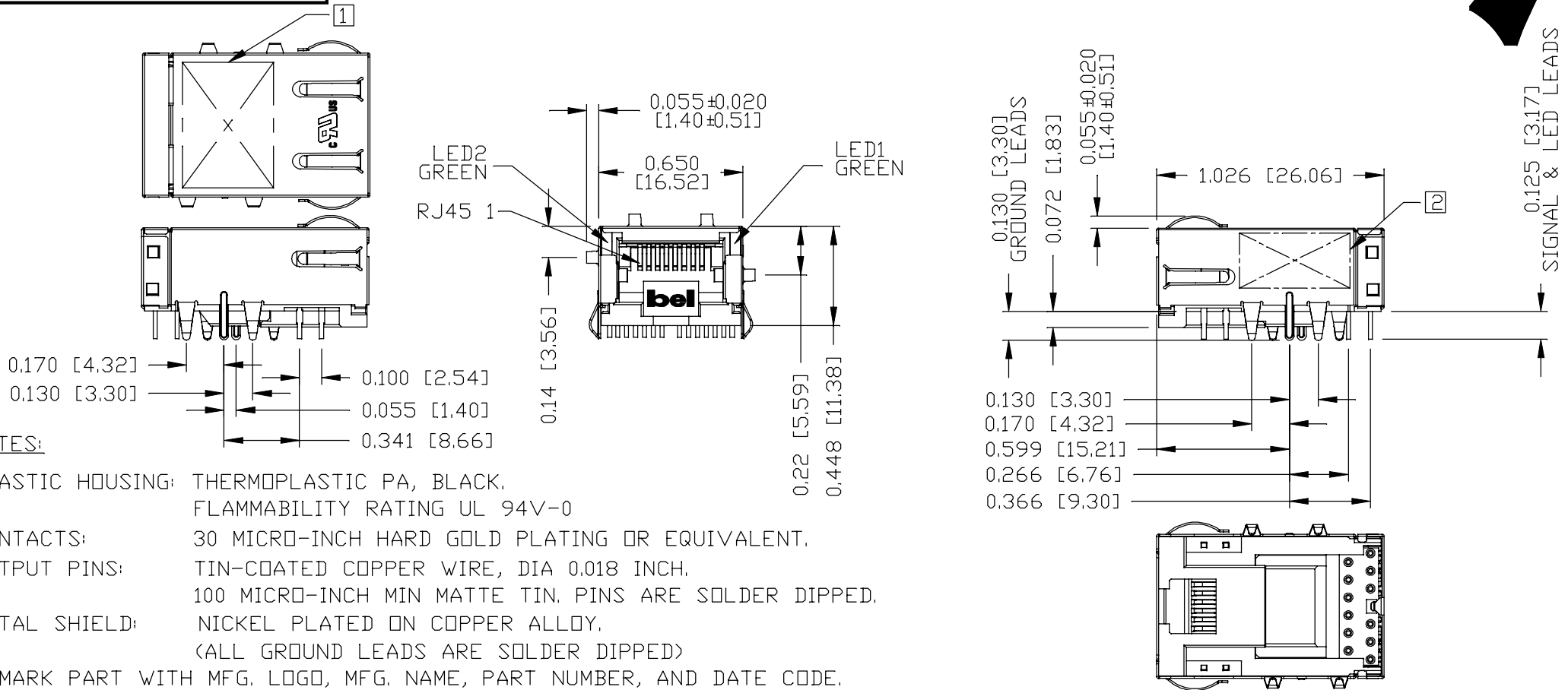
REV. : H	PAGE : 2
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MECHANICAL SPECIFICATION

RoHS



NOTES:

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

- MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.
- MARKING "PATENTED".
- THE PRODUCT IS RoHS COMPLIANT, UL RECOGNIZED - FILE #E196366 AND E169987.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
- THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. : H PAGE : 3

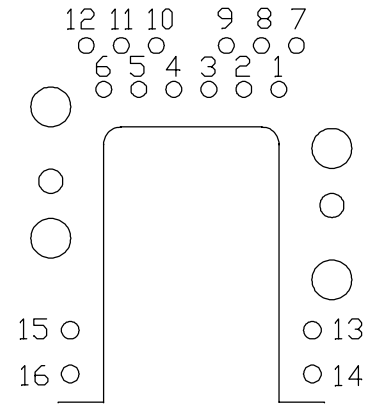
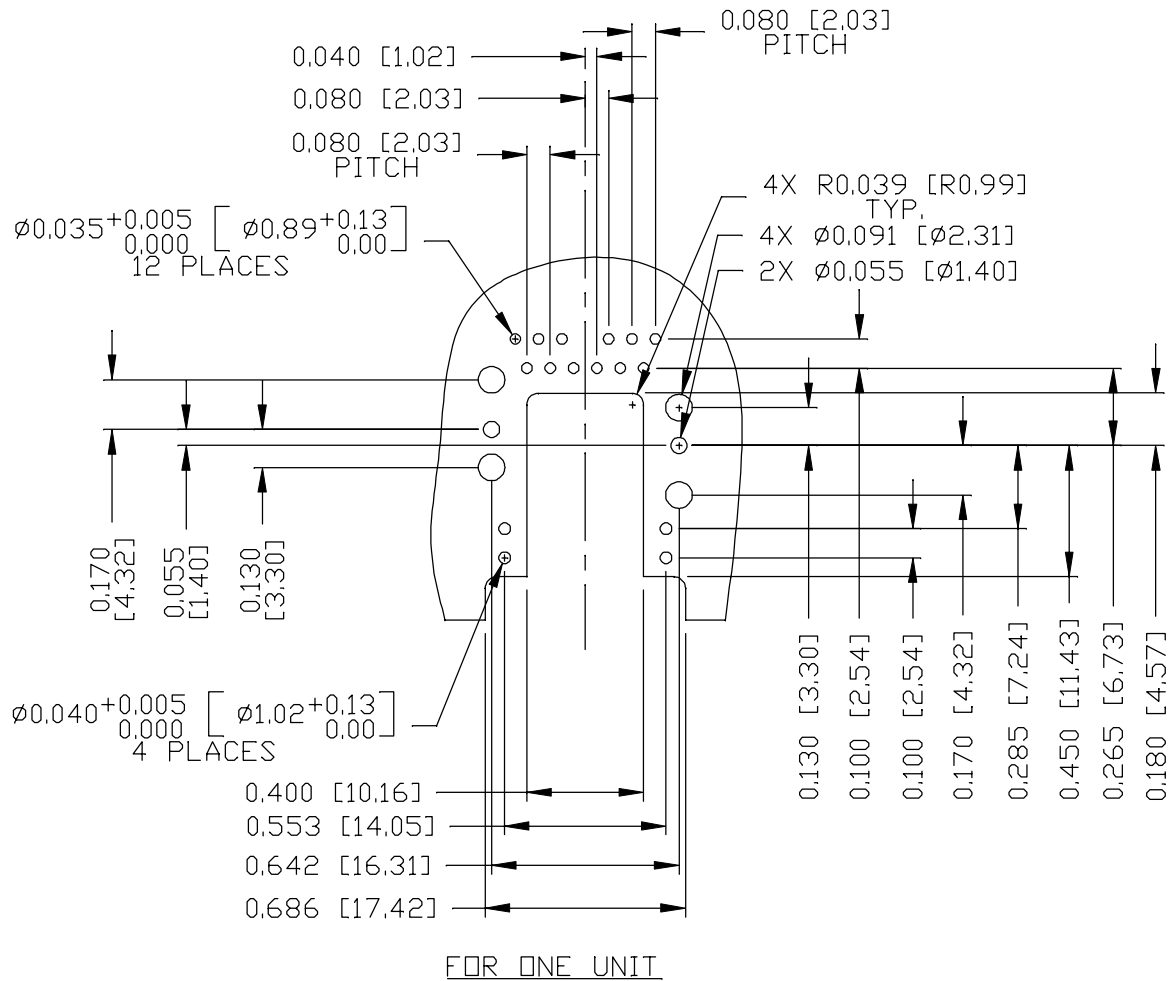
ORIGINATED BY SANDY LIN DATE 2017-03-11	TITLE gigabit MagJack® (NanoJack) PATENTED	PART NO. / DRAWING NO. L834-1G1T-S7	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
DRAWN BY XUE RIPING DATE 2017-03-11		FILE NAME L834-1G1T-S7_H.DWG	.X .XX ±0.020 .XXX ±0.010	UNIT : INCH [mm] SCALE : N/A SIZE : A4



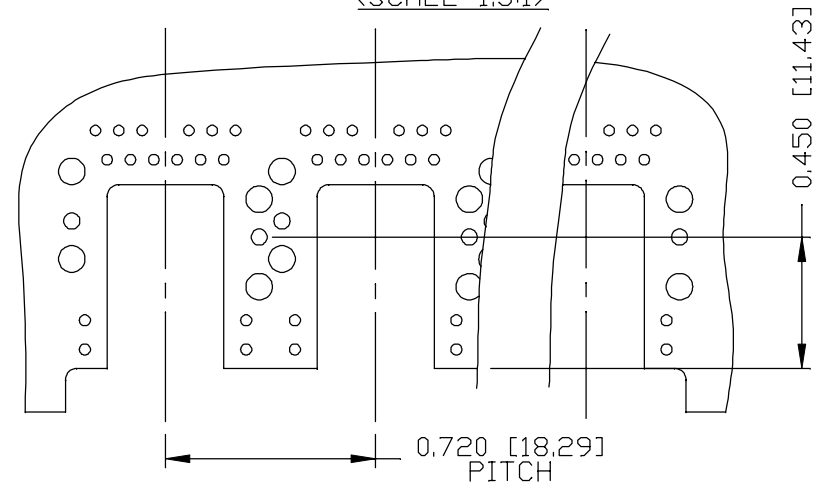
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



PIN-OUT ASSIGNMENT
(SCALE 1.5:1)



ORIGINATED BY
SANDY LIN
DATE 2017-03-11

DRAWN BY
XUE RIPING
DATE 2017-03-11

TITLE
gigabit MagJack®
(NanoJack)
PATENTED

PART NO. / DRAWING NO.
L834-1G1T-S7

FILE NAME
L834-1G1T-S7_H.DWG

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

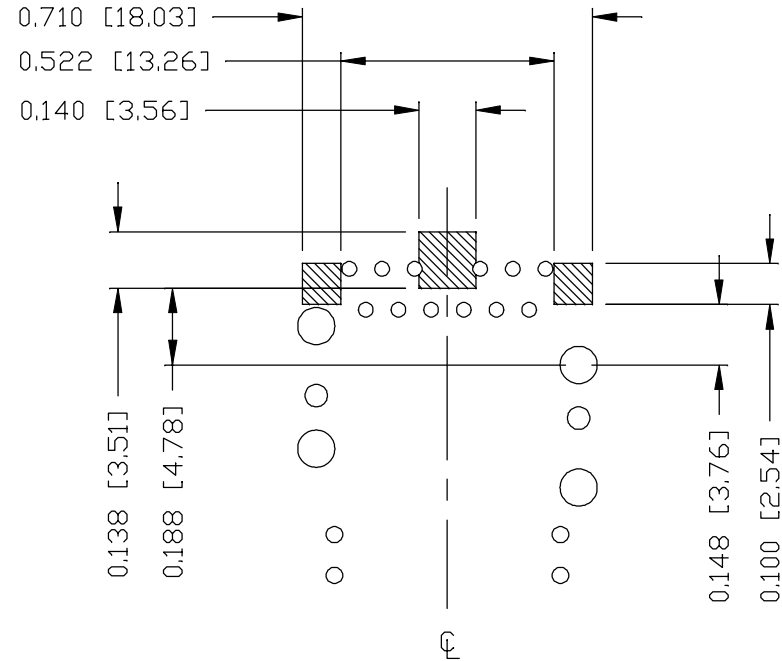
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES

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

REV. : H PAGE : 5

ORIGINATED BY
SANDY LIN
DATE 2017-03-11
DRAWN BY
XUE RIPING
DATE 2017-03-11

TITLE
glgabit MagJack®
(NanoJack)
PATENTED

PART NO. / DRAWING NO.
L834-1G1T-S7
FILE NAME
L834-1G1T-S7_H.DWG

STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX ±0.004	SIZE : A4

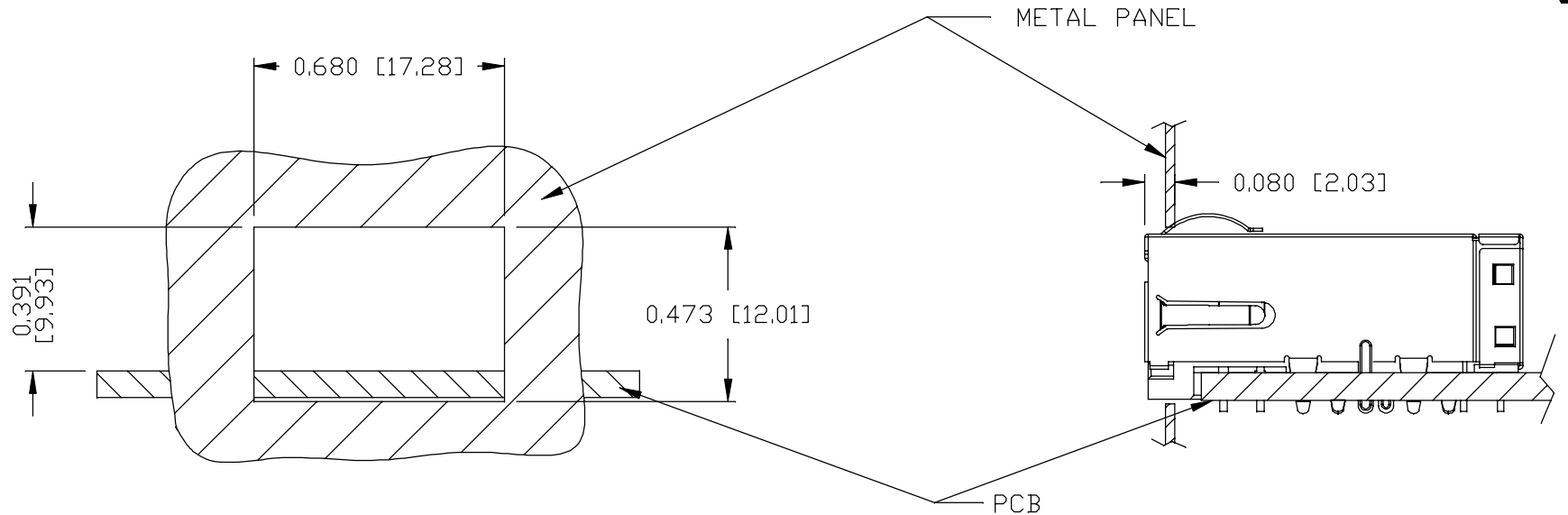


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SUGGESTED PANEL OPENING



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.

PACKING INFORMATION

PACKING TRAY : 0200-9999-M3(TOP)
0200-9999-M4(BOTTOM)

PACKING QUANTITY : 65 PCS FINISHED GOODS PER TRAY,
12 TRAYS (780 PCS FINISHED GOODS) PER CARTON BOX.

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

REV. : H PAGE : 6

ORIGINATED BY SANDY LIN DATE 2017-03-11	TITLE gigabit MagJack® (NanoJack) PATENTED	PART NO. / DRAWING NO. L834-1G1T-S7	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.
		FILE NAME L834-1G1T-S7_H.DWG	.X	UNIT : INCH [mm]
			.XX	SCALE : N/A
DRAWN BY XUE RIPING DATE 2017-03-11			.XXX	±0.004
			SIZE : A4	



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