

ELECTRICAL CHARACTERISTICS @ 25°C

TURN'S RATIO

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

□CL @ 100kHz/100mVRMS (4CHANNEL)

8mA DC BIAS
350μH MIN,
120μH MIN,
23mA DC BIAS

INSLOS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.8 dB MAX
65MHz TO 100MHz	-1.0 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz
40MHz-100MHz
-12+20LPG(f/80MHz) dB
-18 dB

CM TO CM REJ
100KHZ - 100MHZ
-30 dB MIN

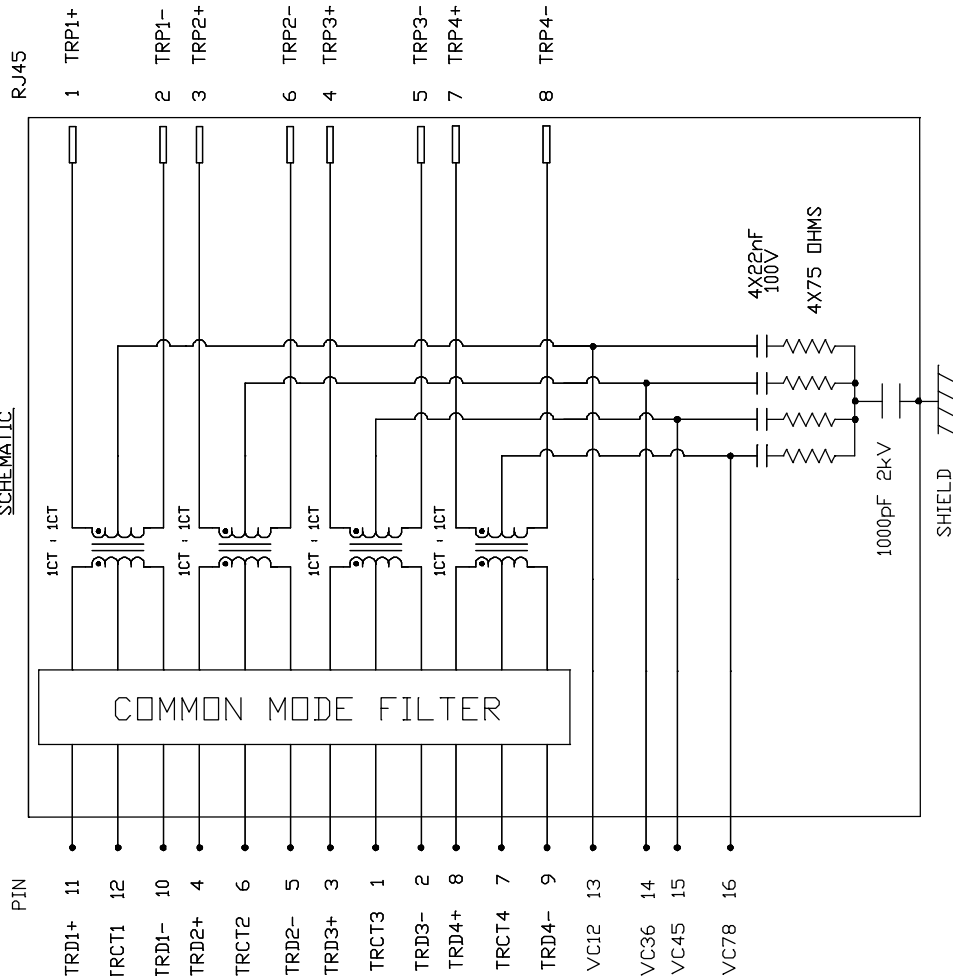
CM TO DM REJ
100KHZ - 100MHZ
-35 dB MIN

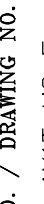
HIPOUT (Isolation Voltage): 2250 VDC
100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS

BALANCED DC LINE CURRENT 1A MAX CONTINUOUS
1.2A MAX. FOR 200 M

□ OPERATING TEMPERATURE: -40°C TO 100°C

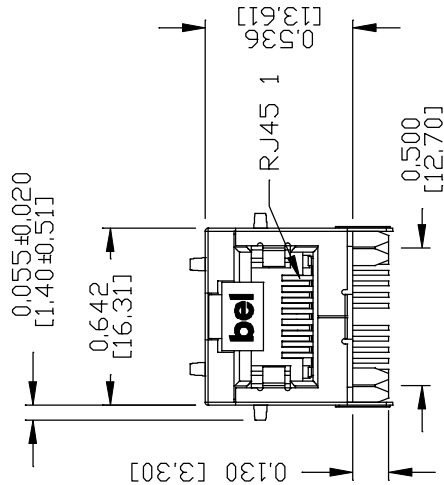
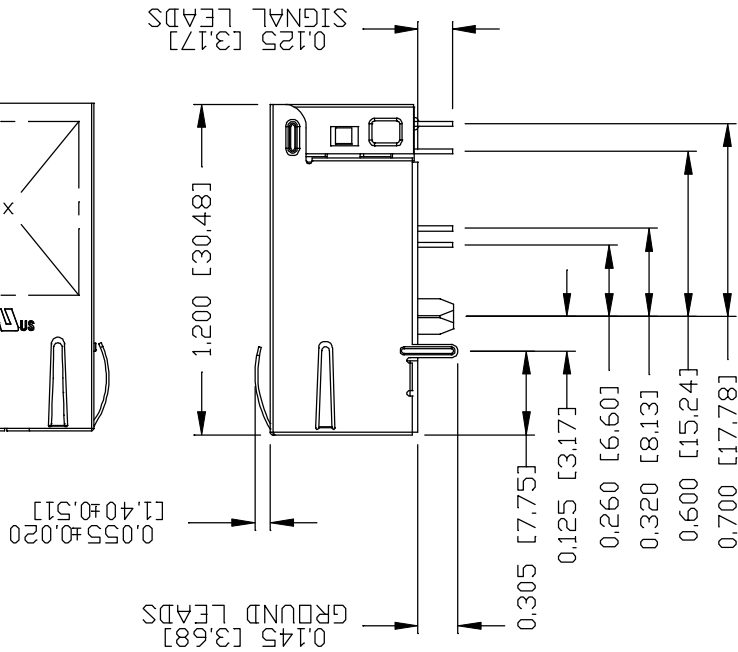


ORIGINATED BY CHOW WANCHUNG DATE 2022-10-10		TITLE glgabit MagJack® (4PPoE, 100W, Extended Temp.) PATENTED	PART NO. / DRAWING NO. 0816-1X1T-HS-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		REV. : A	PAGE : 2
DRAWN BY TANG YUAN DATE 2022-10-10			FILE NAME 0816-1X1T-HS-F_A.DWG	.X .XX XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4					
										
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MECHANICAL SPECIFICATION



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.
- METAL SHIELD:
100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED,
NICKEL PLATED ON COPPER ALLOY.
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
DATE CODE AND PATENTED.
2. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS
U.S. PAT. 7,123,117.

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING.
THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS
260°C MAX AND 10 SECONDS MAX.

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DATE 2022-10-10				FILE NAME 0816-1X1T-HS-F_A.DWG		X		UNIT : INCH [mm]			
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DATE 2022-10-10						.XXX		±0.010		SIZE : A4	

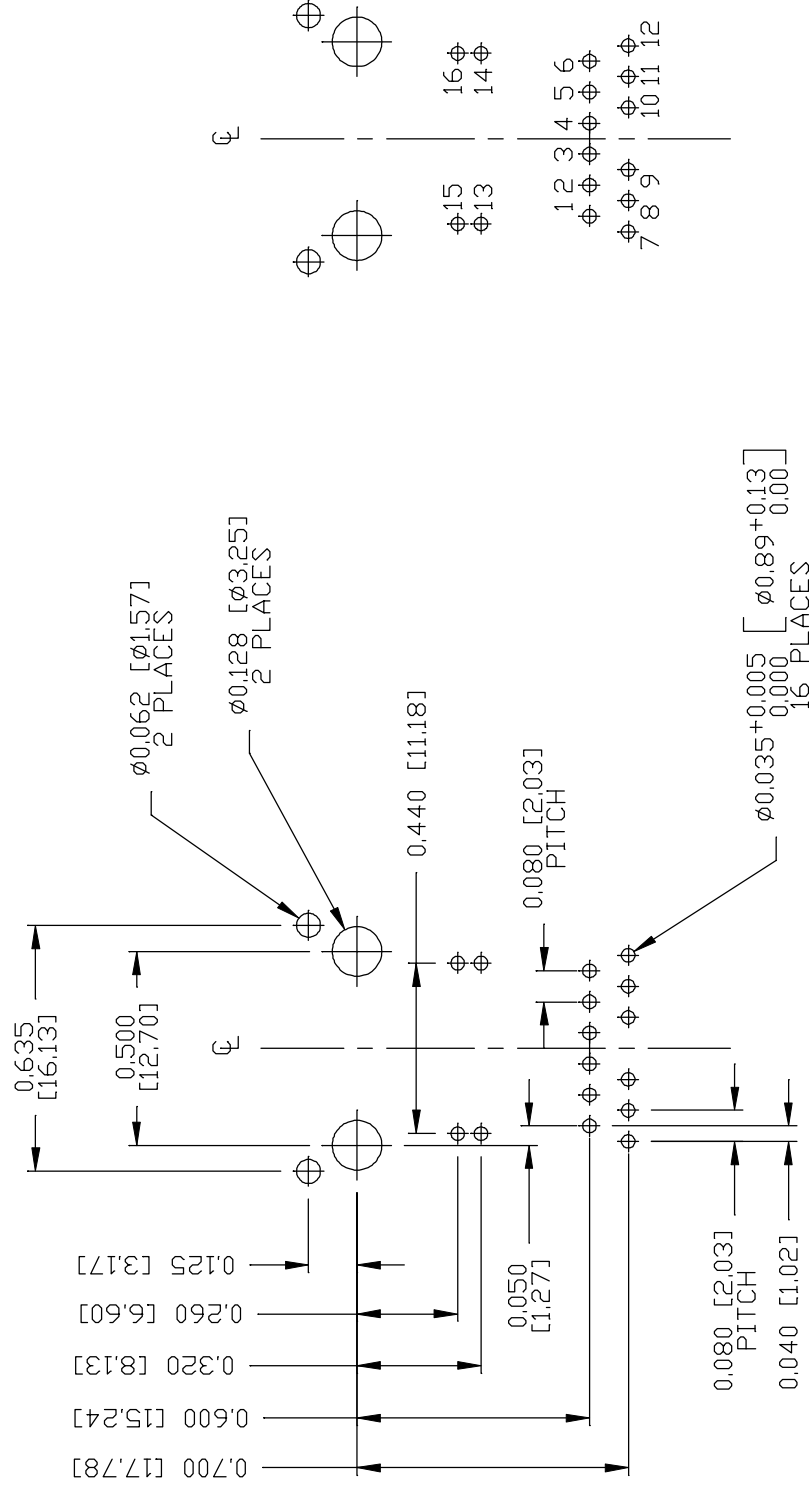
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RoHS



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



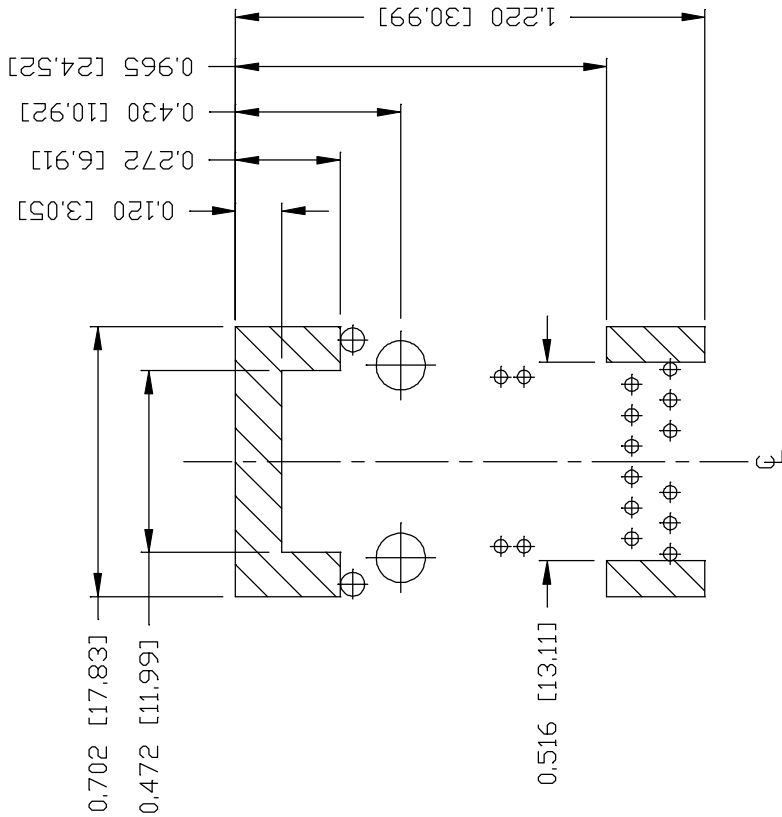
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NOTES

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

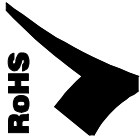
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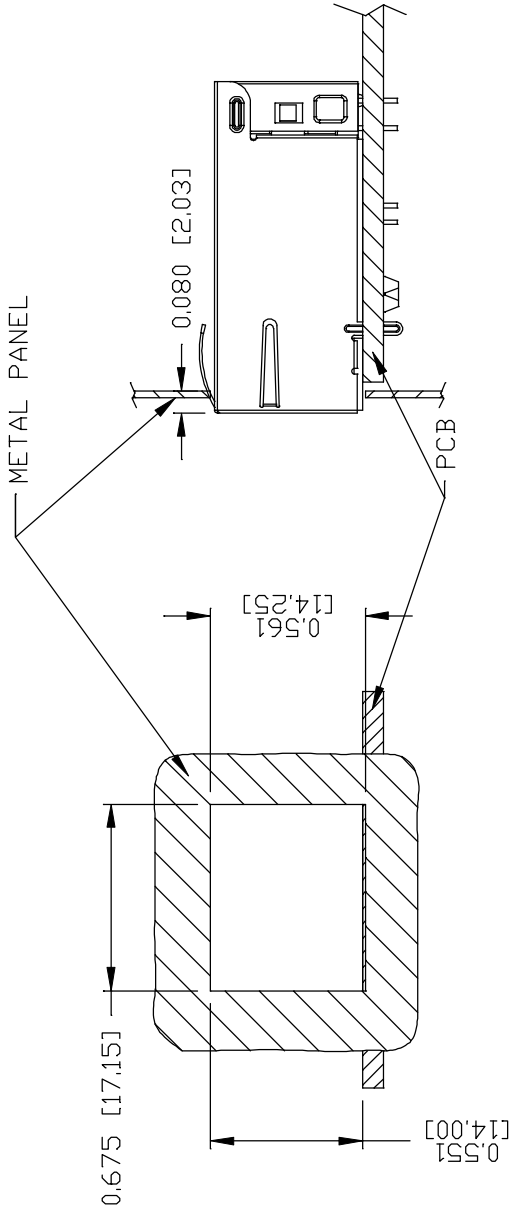
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SUGGESTED PANEL OPENING



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-F1 (TOP)
0200-9999-F2 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY

10 TRAYS (400 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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