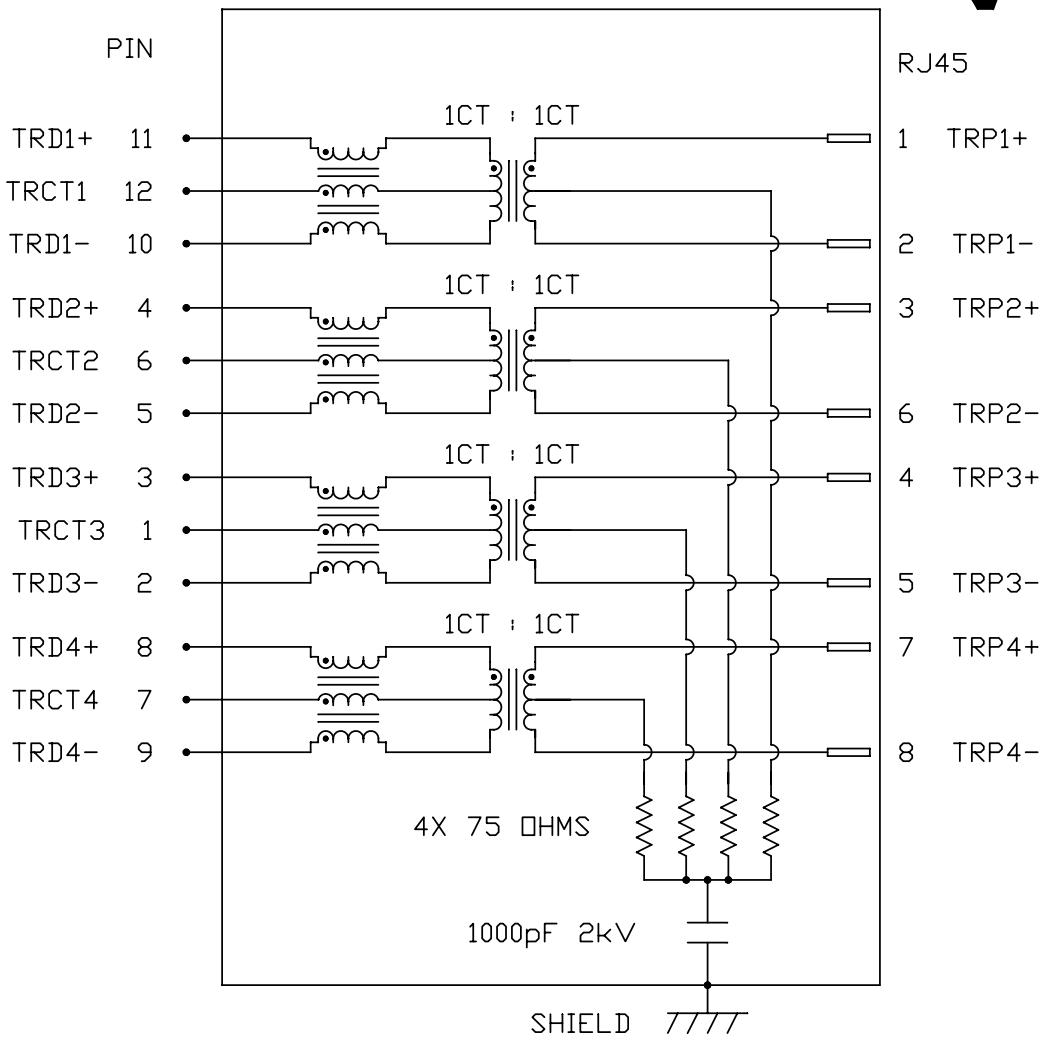
RoHS

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TX	1CT : 1
RX	1CT : 1
OCL @ 100kHz/100mVRMS	(0-70°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)@100OHMS(+/-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
HIPOT (Isolation Voltage):	1500 Vrms

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

SCHEMATIC

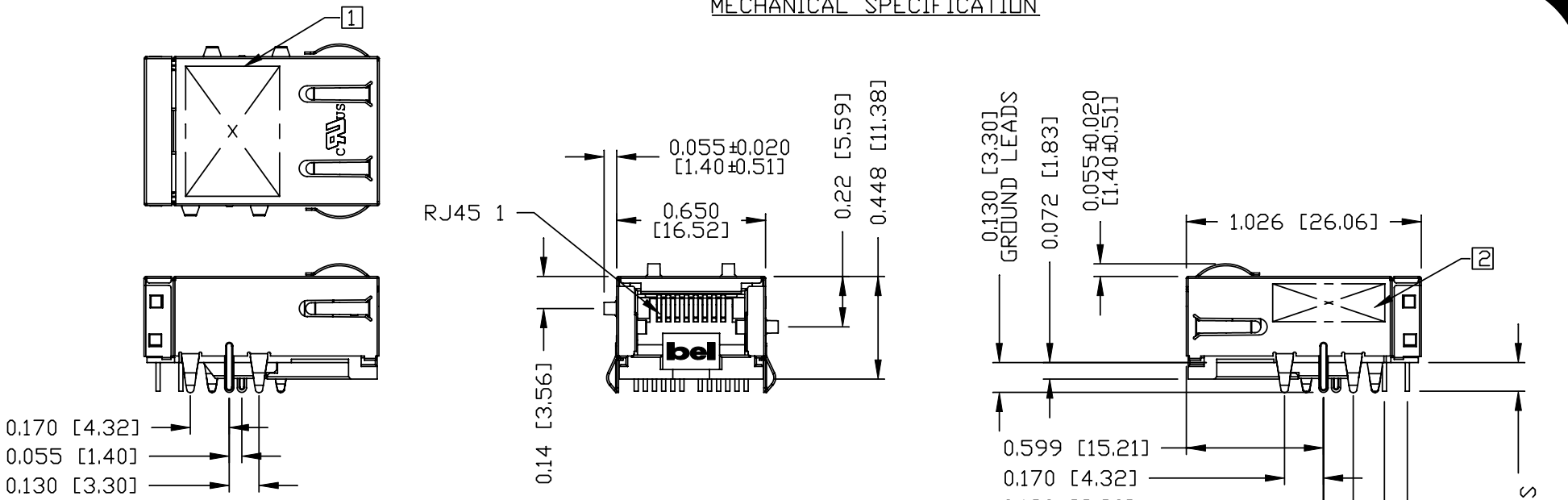


ORIGINATED BY: CHOW WANCHUNG — DATE: 2012-01-18	TITLE: gigabit MagJack® (NanoJack) PATENTED	PART NO. / DRAWING NO.: L835-1X1T-S7	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX
DRAWN BY: LEE WEIDE — DATE: 2012-01-18		FILE NAME: L835-1X1T-S7_B.DWG	[ ] METRIC DIM. AS REFERENCE; UNIT : INCH [mm]; SCALE : N/A; REV. : B; SIZE : A4; PAGE : 2

bel — COMPONENTS FOR A CONNECTED PLANET

RoHS

MECHANICAL SPECIFICATION



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

CONTACTS: 30 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)

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.

2. MARK PART WITH PATENTED.

3. THE PRODUCT IS RoHS COMPLIANT.

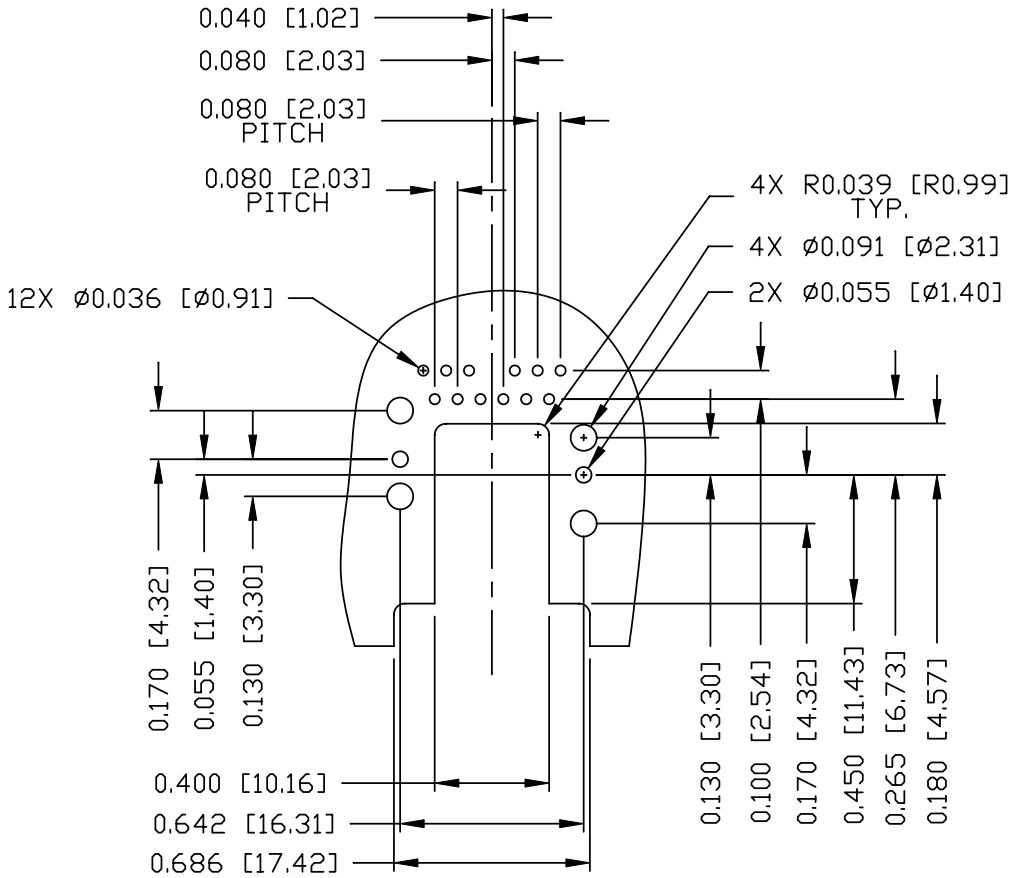
c UL us UL RECOGNIZED - FILE #E196366 AND E169987.

4. THE PRODUCT IS PATENT PRODUCT. THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

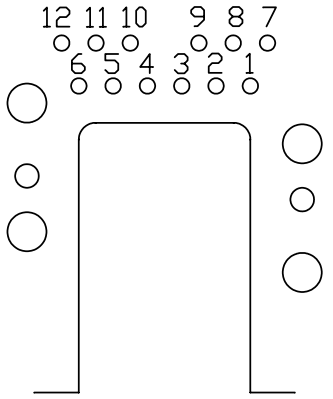
ORIGINATED BY: ANTON LIAO	DATE: 2012-01-18	TITLE: gigabit MagJack® (NanoJack) PATENTED	PART NO. / DRAWING NO.: L835-1X1T-S7	STANDARD DIM. TOL. IN INCH: .X / .XX ±0.015 / .XXX ±0.010	[ ] METRIC DIM. AS REFERENCE	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY: WU ZHIHENG	DATE: 2012-01-18		FILE NAME: L835-1X1T-S7_B.DWG		UNIT : INCH [mm] / SCALE : N/A	REV. : B / SIZE : A4 / PAGE : 3

RoHS

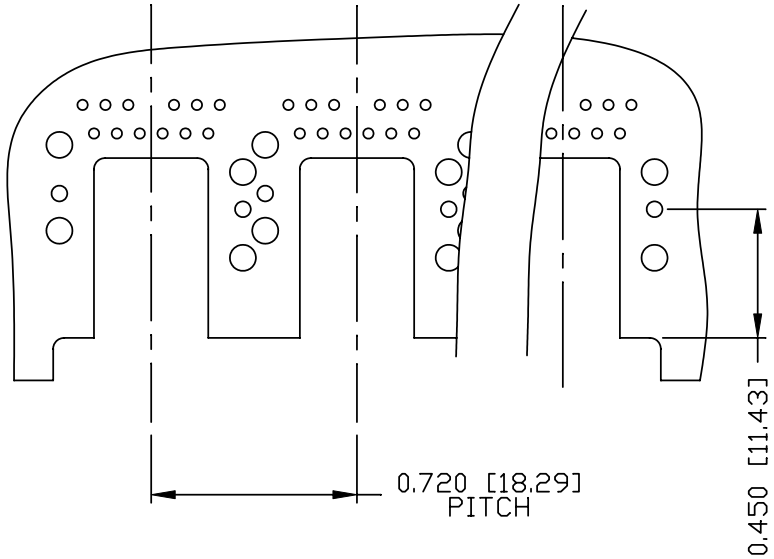
RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



FOR ONE UNIT



PIN-OUT ASSIGNMENT
(SCALE 1.5:1)



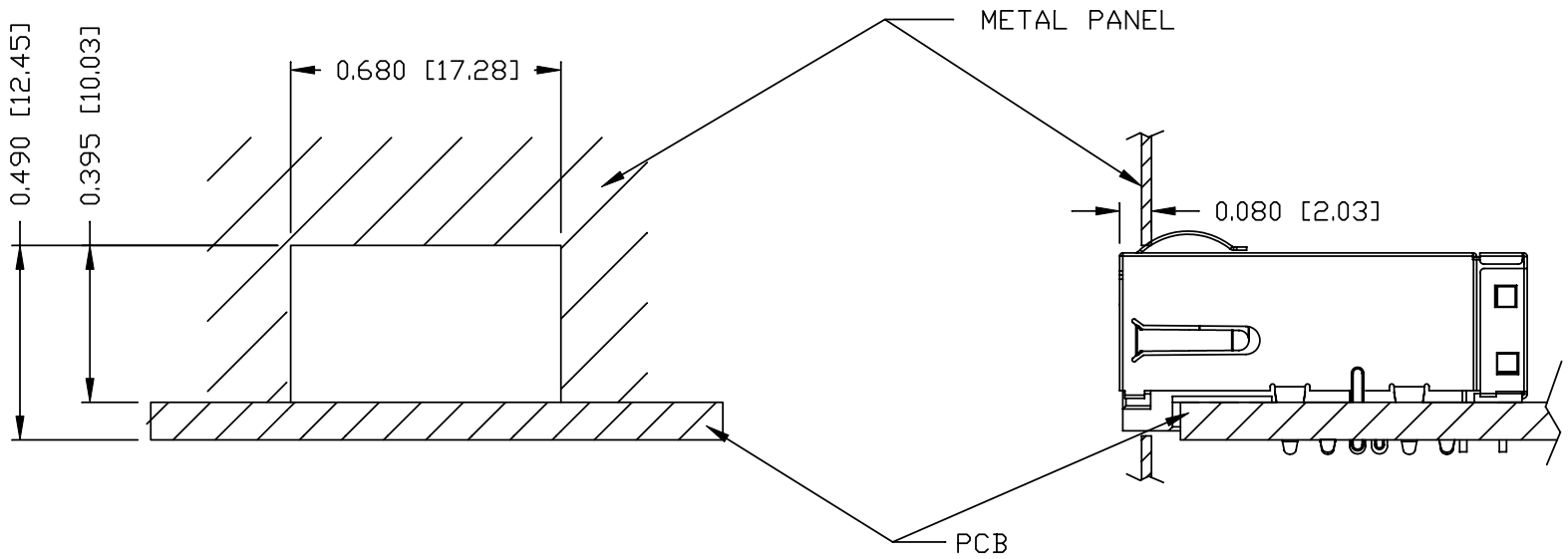
FOR MULTI-UNITS

ORIGINATED BY: ANTON LIAO	DATE: 2012-01-18	TITLE: gigabit MagJack® (NanoJack) PATENTED	PART NO. / DRAWING NO.: L835-1X1T-S7	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: WU ZHIHENG	DATE: 2012-01-18		FILE NAME: L835-1X1T-S7_B.DWG		UNIT : INCH [mm] / REV. : B
					SCALE : N/A / SIZE : A4
					PAGE : 4

bel — COMPONENTS FOR A CONNECTED PLANET

RoHS

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)

ORIGINATED BY: ANTON LIAO	DATE: 2012-01-18	TITLE: gigabit MagJack® (NanoJack) PATENTED	PART NO. / DRAWING NO.: L835-1X1T-S7	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY: WU ZHIHENG	DATE: 2012-01-18		FILE NAME: L835-1X1T-S7_B.DWG		UNIT : INCH [mm] / REV. : B	
					SCALE : N/A / SIZE : A4	
					PAGE : 5	