



RJ45

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

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)

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

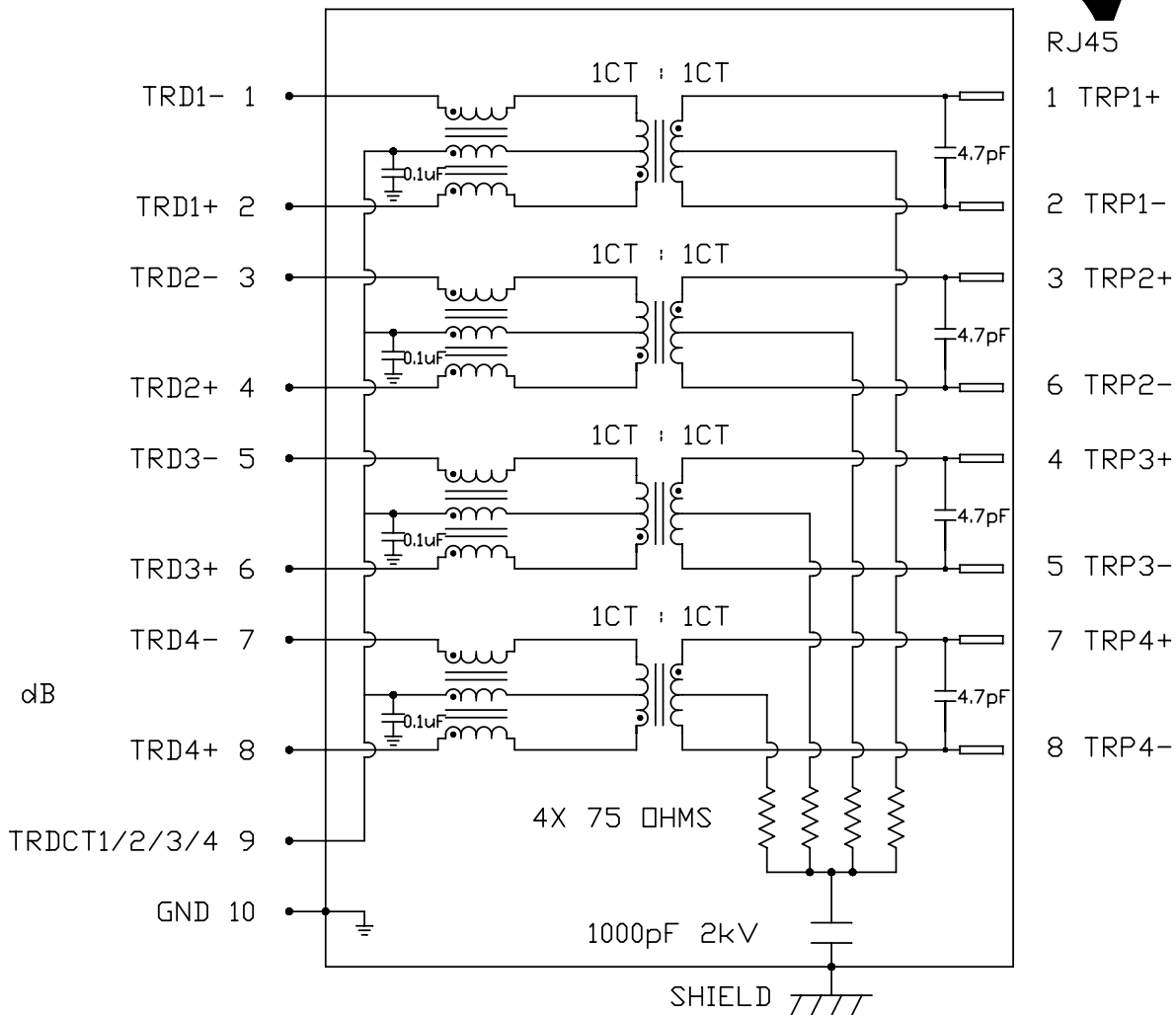
100kHz - 100MHz -35 dB MIN




HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCT TESTED IN PRODUCTION

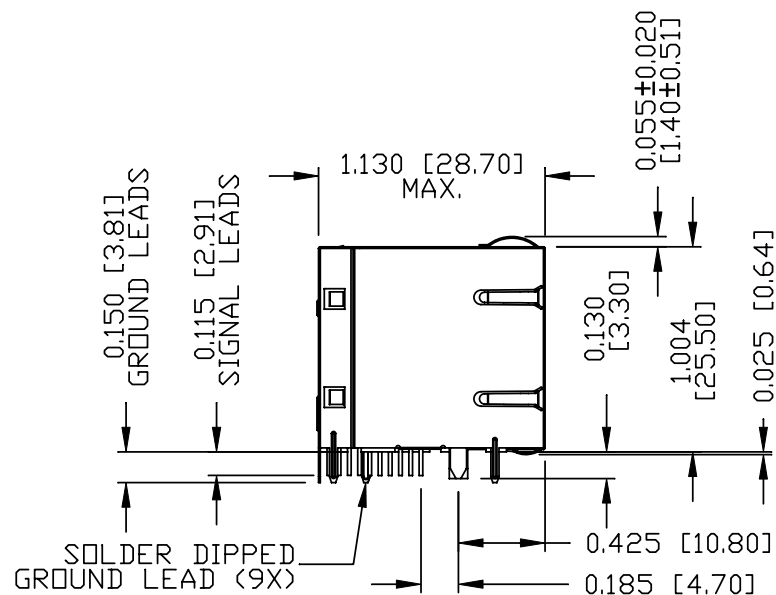
TO COMPLY WITH IEEE 802.3 REQUIREMENTS

SCHEMATIC



ORIGINATED BY	DATE	TITLE	2X6 gigabit MagJack®	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHOW WANCHUNG	2012-08-17				TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE			FILE NAME	.X		SCALE : N/A	SIZE : A4	
TAN QIGUANG	2012-08-17				PATENTED		.XX	PAGE : 2	
		0833-2X6R-V9_B.DWG	.XXX						

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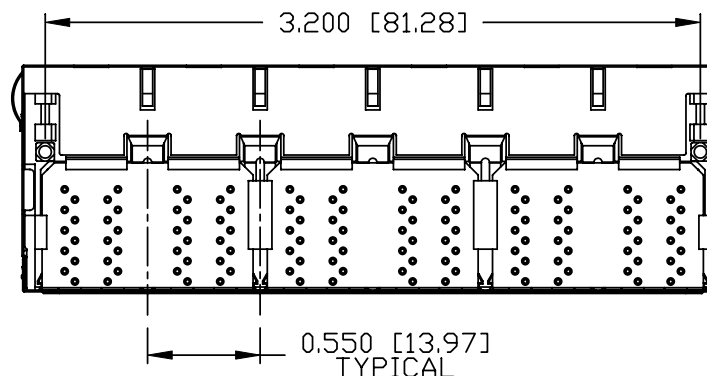
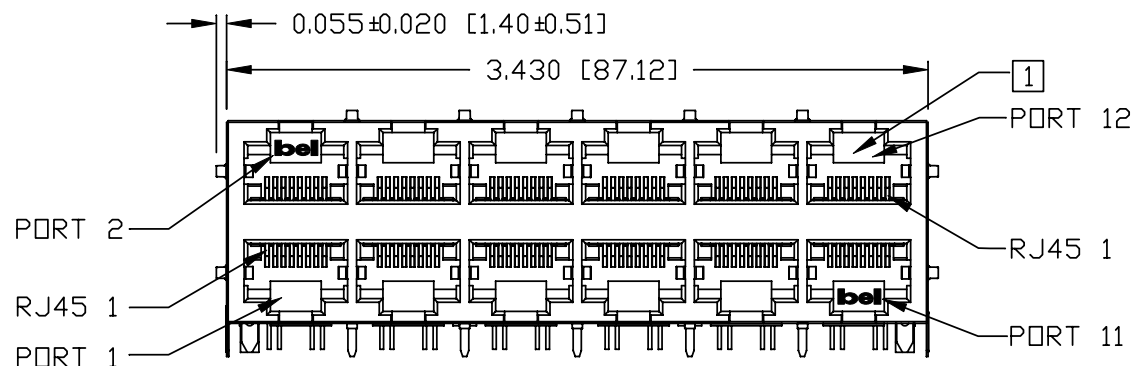
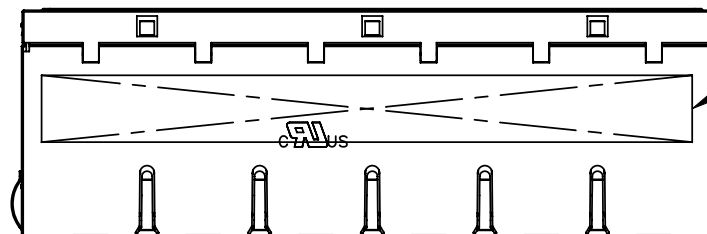
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 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] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

c  UL RECOGNIZED - FILE #E196366 AND E169987.



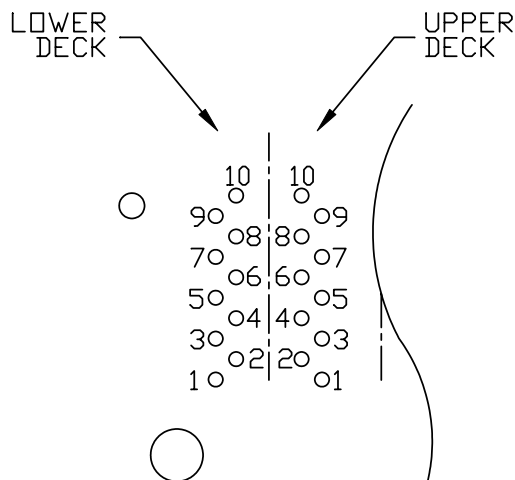
3. THE PRODUCT IS RoHS COMPLIANT.
4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET	
ANTON LIAO	2012-08-17			TOL. IN INCH		UNIT : INCH [mm]	REV. : B		
DRAWN BY	DATE			FILE NAME	.X		SCALE : N/A		SIZE : A4
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			0833-2X6R-V9						
		PATENTED	0833-2X6R-V9_B.DWG						

bel
COMPONENTS FOR A
CONNECTED
PLANET

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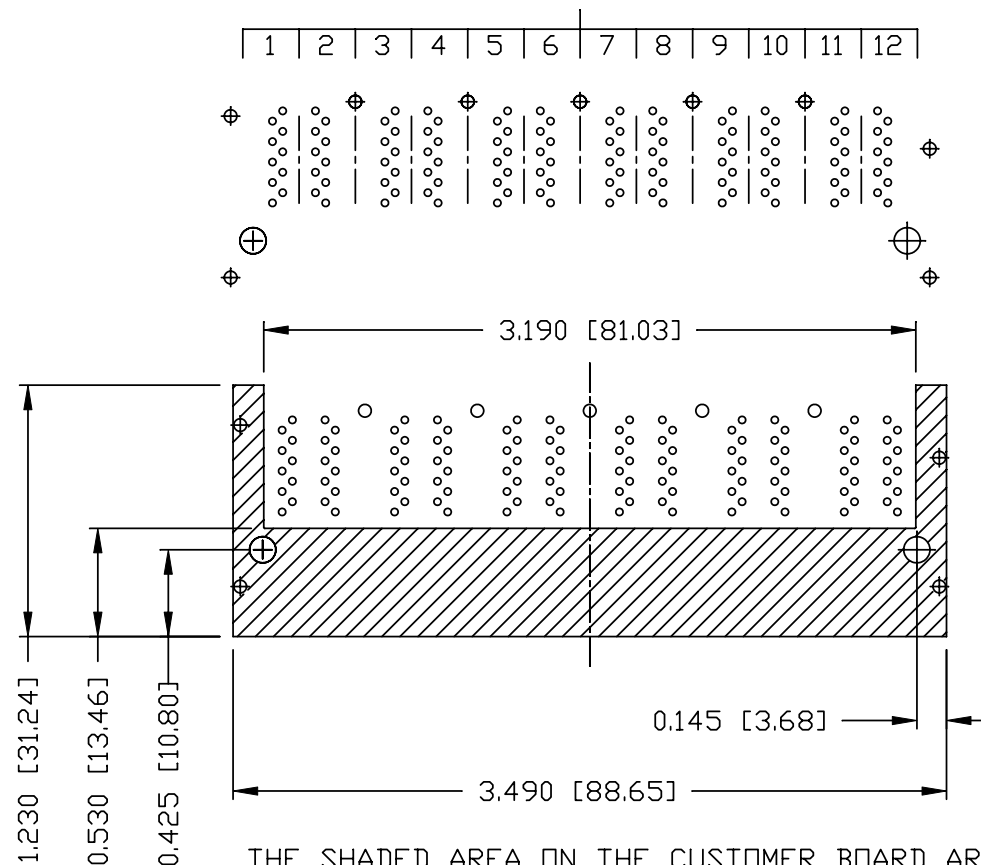
RoHS





PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

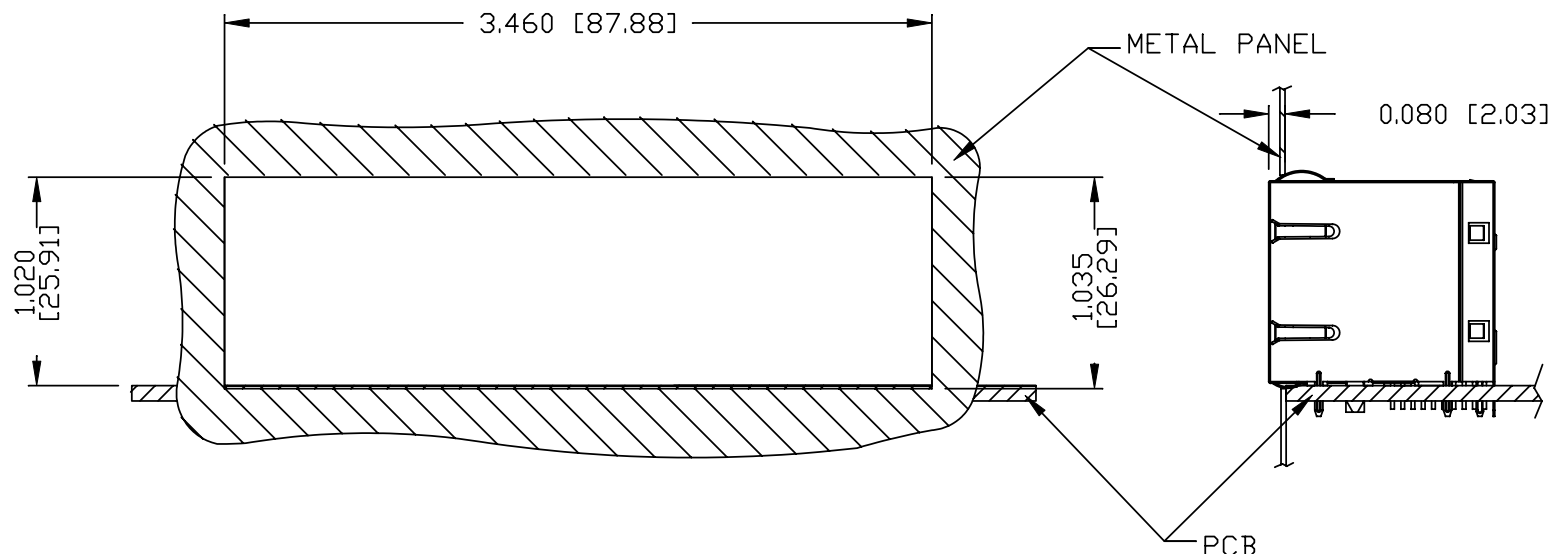


THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY ANTON LIAO	DATE 2012-08-17	TITLE 2X6 gigabit MagJack® PATENTED	PART NO. / DRAWING NO. 0833-2X6R-V9	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY HE ZHEN	DATE 2012-08-17		FILE NAME 0833-2X6R-V9_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		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.

PACKING INFORMATION

PACKING TRAY : 0200-9999-A9 (TOP)
0200-9999-A8 (BOTTOM)

PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY
7 TRAYS (105 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	PATENTED	FILE NAME	.X	SCALE : N/A	SIZE : A4
HE ZHEN	2012-08-17		0833-2X6R-V9_B.DWG	.XX		PAGE : 6
				.XXX	±0.004	