

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.
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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
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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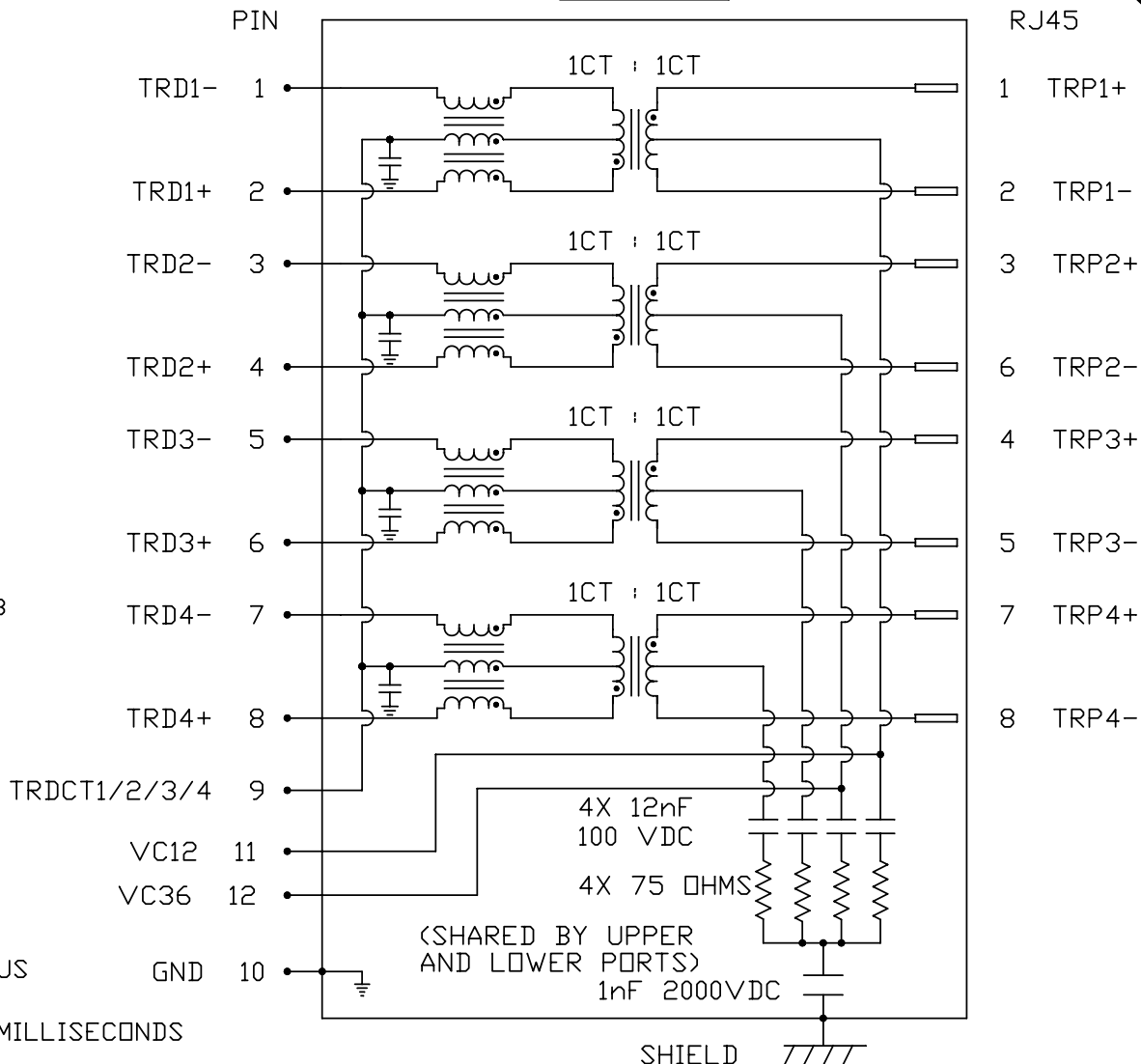
HIPOT (Isolation Voltage):

2250 VDC	
100% OF PRODUCTION TESTED TO COMPLY WITH	
IEEE 802.3 ISOLATION REQUIREMENTS.	

BALANCED DC LINE CURRENT

350 mA MAX.	
@ 57 VDC CONTINUOUS	
500 mA MAX.	
@ 57 VDC for 200 MILLISECONDS	

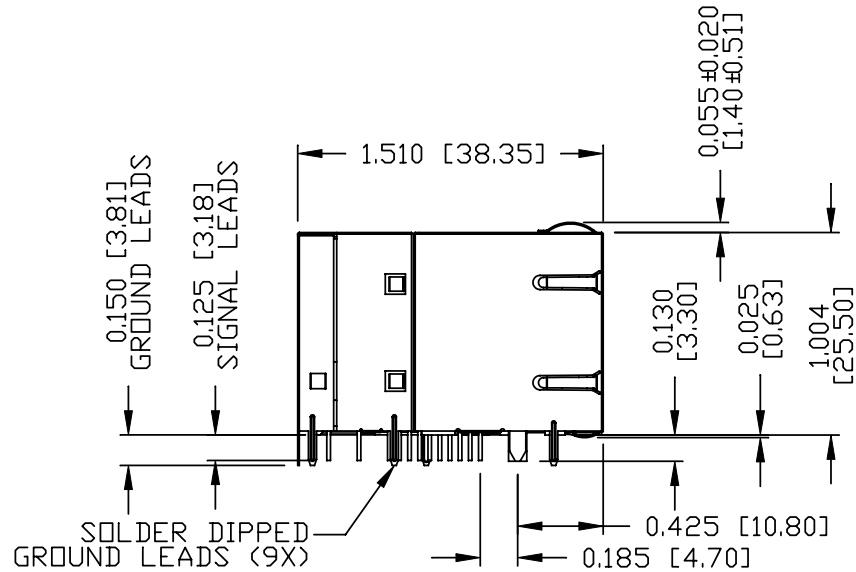
SCHEMATIC



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANGCHUNG	10-20-10	2X4 gigabit MagJack®	08542X4R66-F	TOL. IN INCH	UNIT : INCH [mm]
		PoE		.X	REV. : C
DRAWN BY	DATE	0854-2X4R-66-F	FILE NAME	.XX	SCALE : N/A
TAN QIGUANG	10-20-10	PATANTED	08542X4R66-F_C.DWG	.XXX	SIZE : A4
					PAGE : 2

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RoHS
2002/95/EC

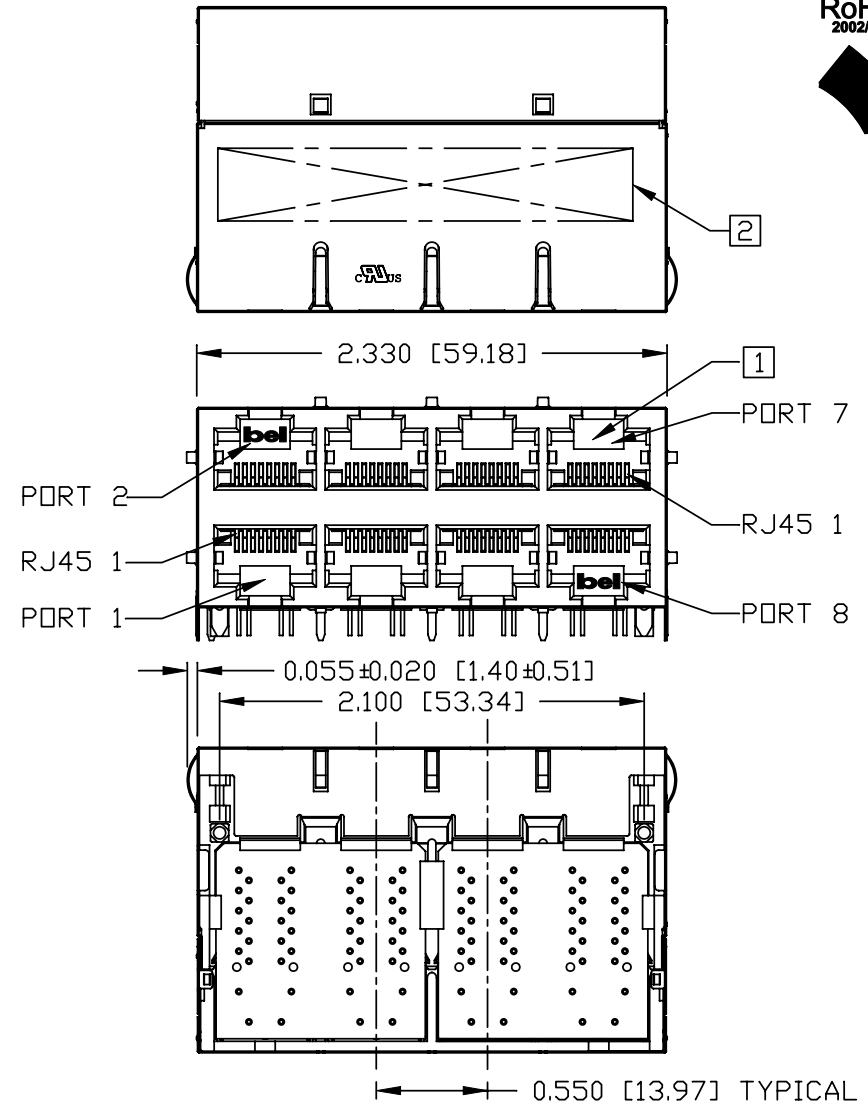


NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
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, NAME, PART NUMBER, DATE CODE AND PATENTED.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.
3, RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.



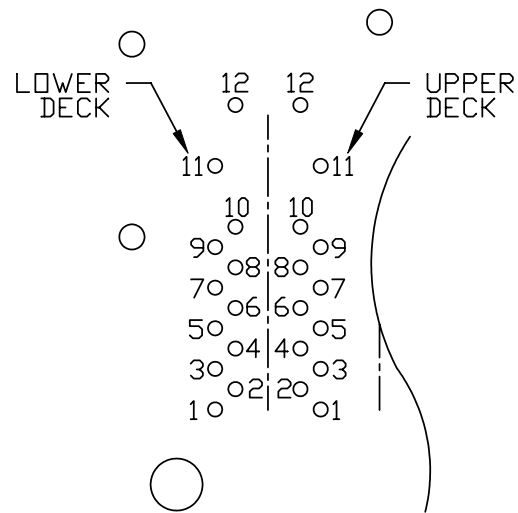
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHEN BILL	10-20-10	2X4 gigabit MagJack® PoE 0854-2X4R-66-F PATANTED	08542X4R66-F FILE NAME 08542X4R66-F_C.DWG	TOL. IN INCH	UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE			.X	SCALE : N/A	SIZE : A4
XIAN JIAXIN	10-20-10			.XX .XXX	⌀ - - -	PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET

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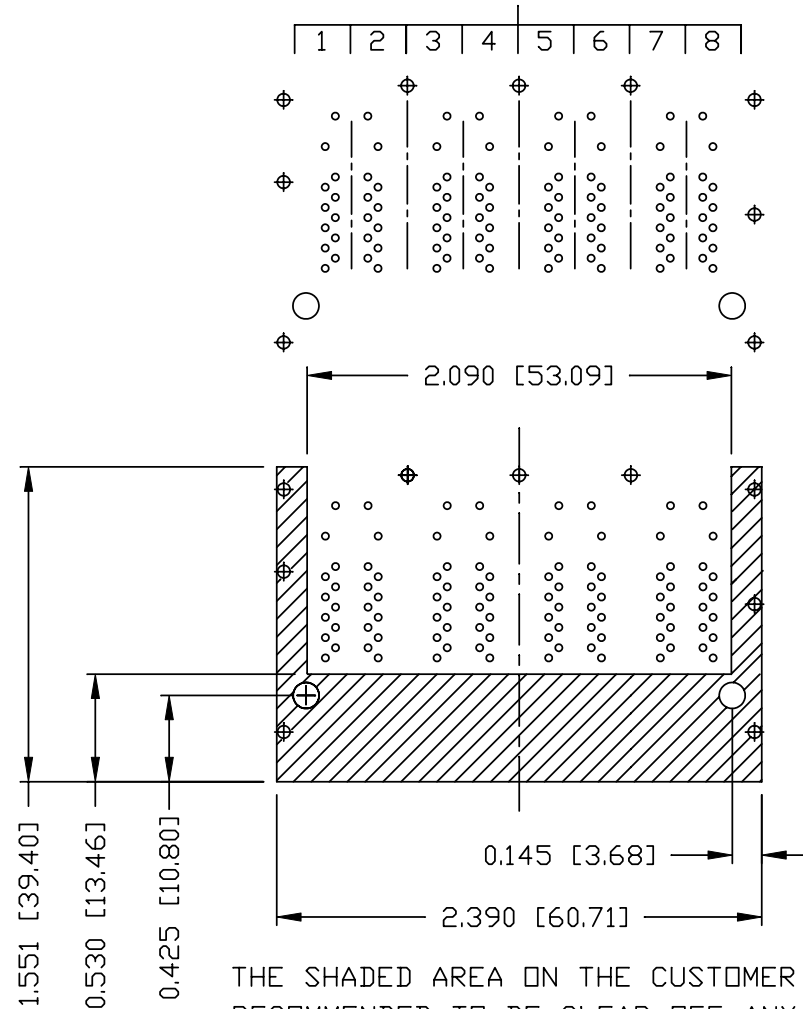
RoHS
2002/95/EC



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

12	VC36
11	VC12
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-

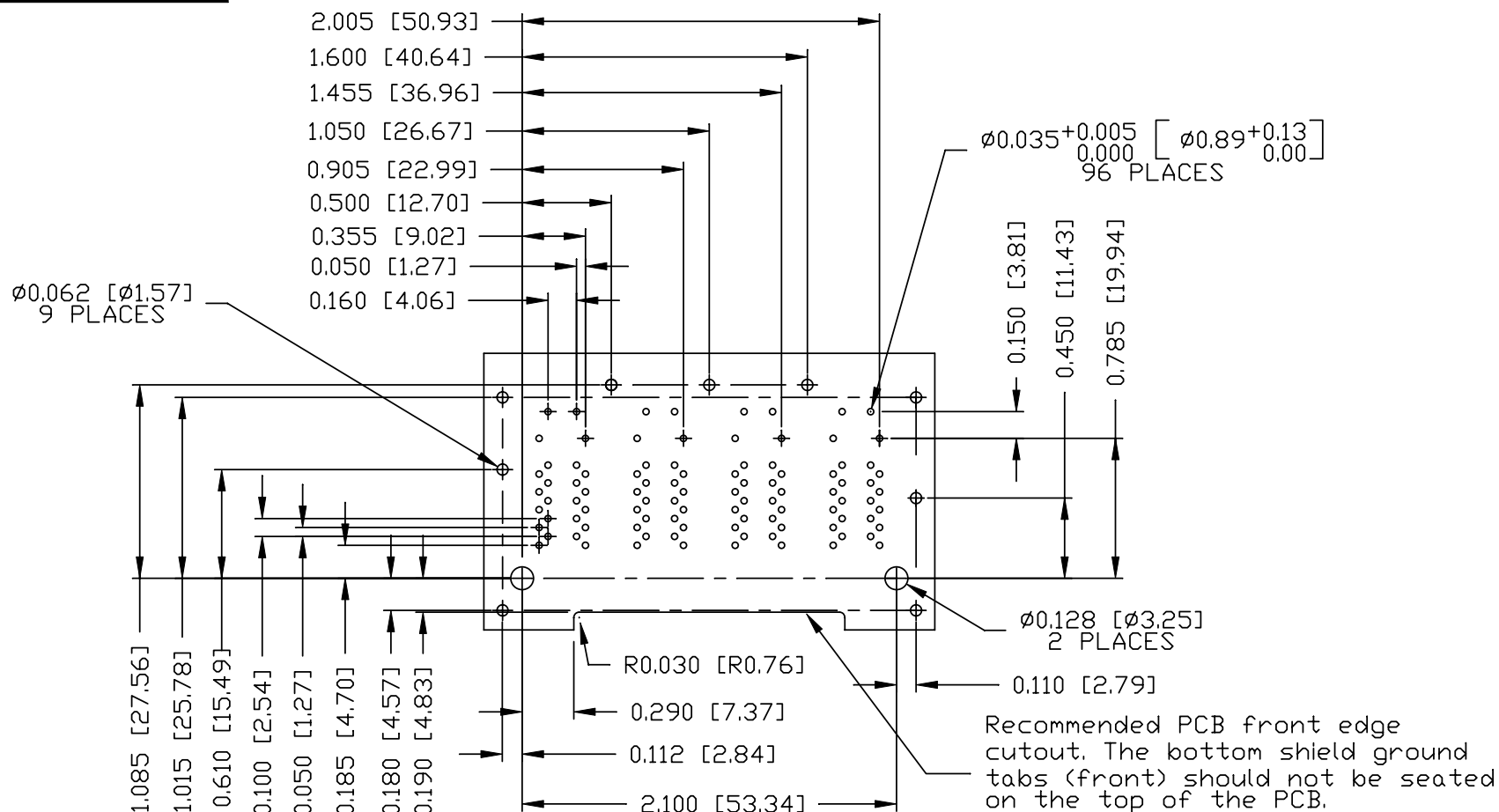
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : C
CHEN BILL	10-20-10	2X4 gigabit MagJack® PoE 0854-2X4R-66-F PATANTED	08542X4R66-F FILE NAME 08542X4R66-F_C.DWG	.X	SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX		PAGE : 4
XIAN JIAXIN	10-20-10			.XXX		





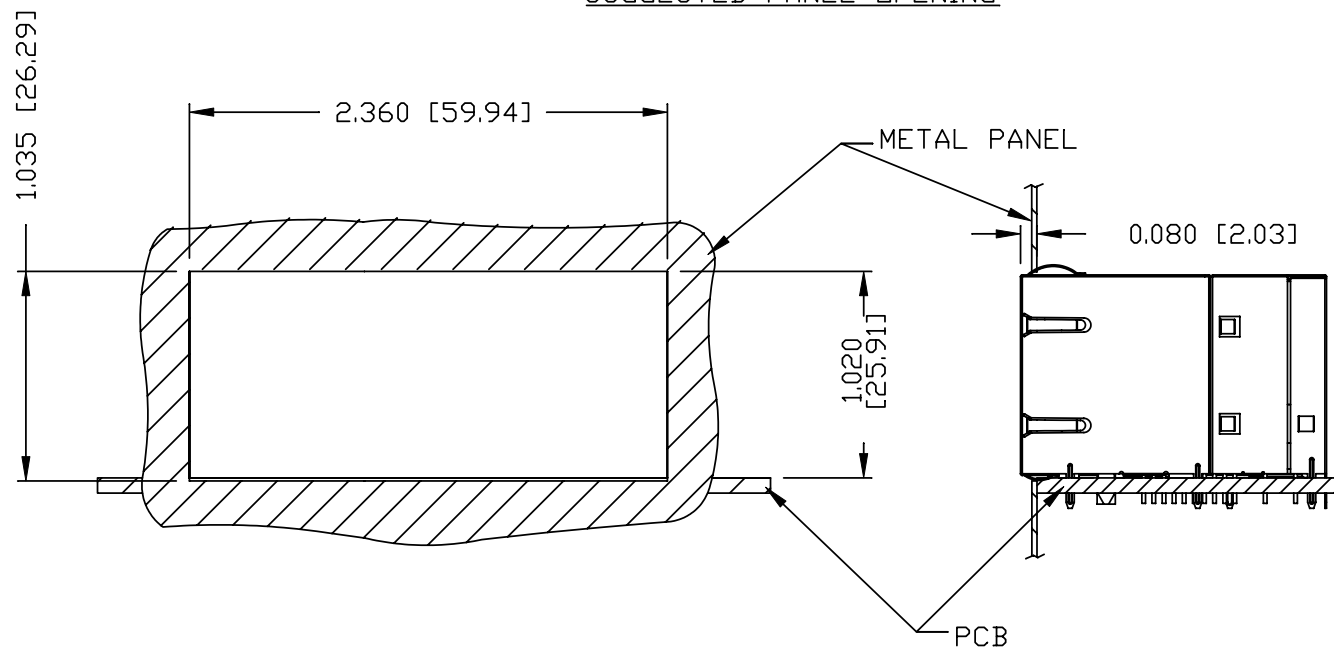
SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY CHEN BILL	DATE 10-20-10	TITLE 2X4 gigabit MagJack® PoE 0854-2X4R-66-F PATANTED	PART NO. / DRAWING NO. 08542X4R66-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : C
DRAWN BY XIAN JIAXIN	DATE 10-20-10		FILE NAME 08542X4R66-F_C.DWG	±0.004	SCALE : N/A	SIZE : A4
						PAGE : 5

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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-G2 (TOP)
0200-9999-G3 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY.
5 TRAYS (100 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	DATE	TITLE 2X4 gigabit MagJack® PoE 0854-2X4R-66-F PATANTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET™
CHEN BILL	10-20-10		08542X4R66-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : C	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	10-20-10		08542X4R66-F_C.DWG	.XX				
			.XXX	±0.004			PAGE : 6	



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0854-2X4R-66-F](#)