



FOR HP ONLY

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
RX 1CT : 1

DCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INS. LOSS

1MHz TO 100MHz -1.0 dB MAX

RET. LOSS (MIN)

1MHz-30MHz -18 dB
30MHz-60MHz -16 dB
60MHz-80MHz -12 dB
80MHz-100MHz -10 dB

CROSS TALK (TX - RX)

1MHz-100 MHz -30 dB MIN

CM TO CM REJ

1MHz-100 MHz -30 dB MIN

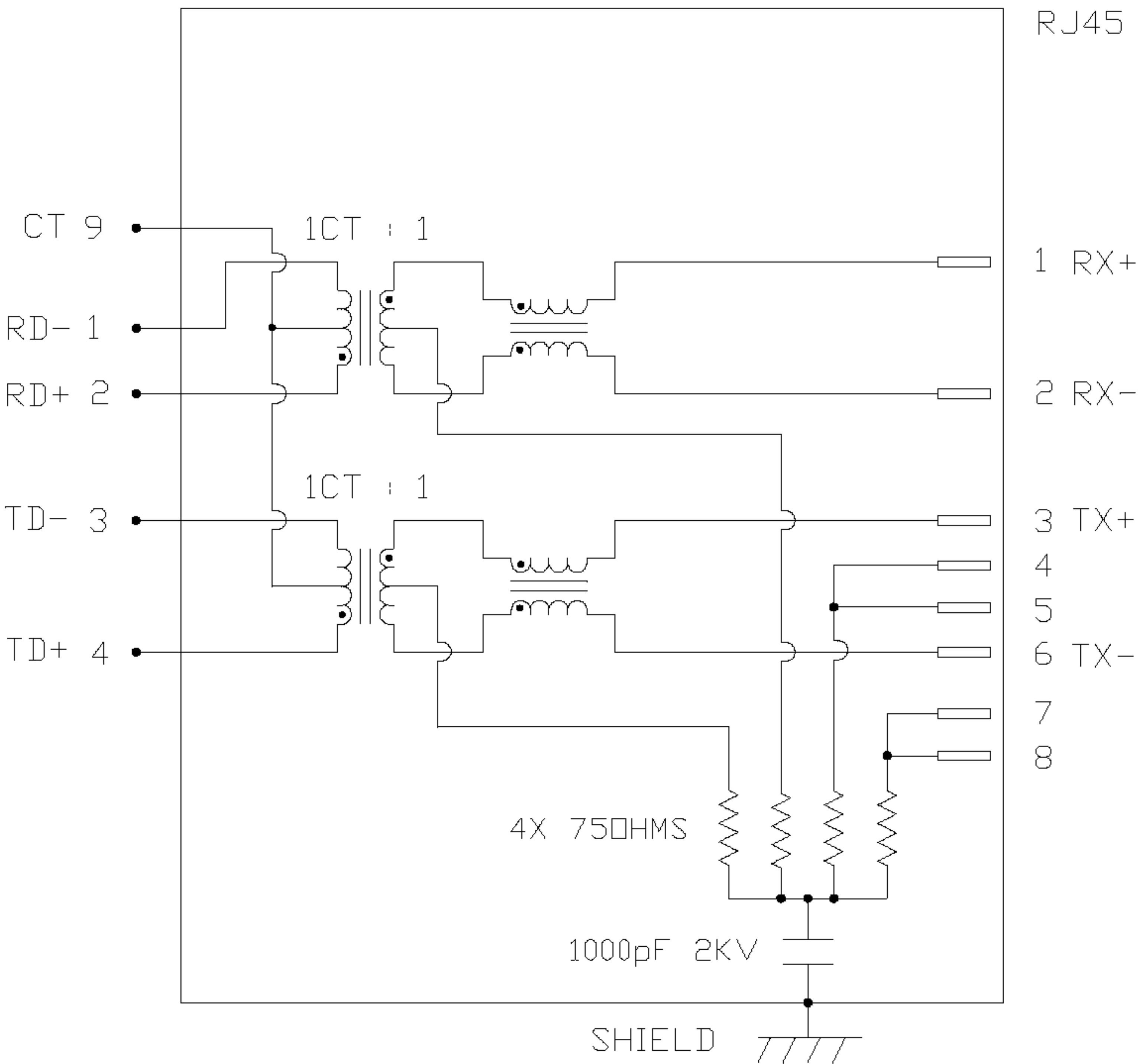
CM TO DM REJ

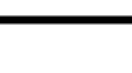
1MHz-100 MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

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

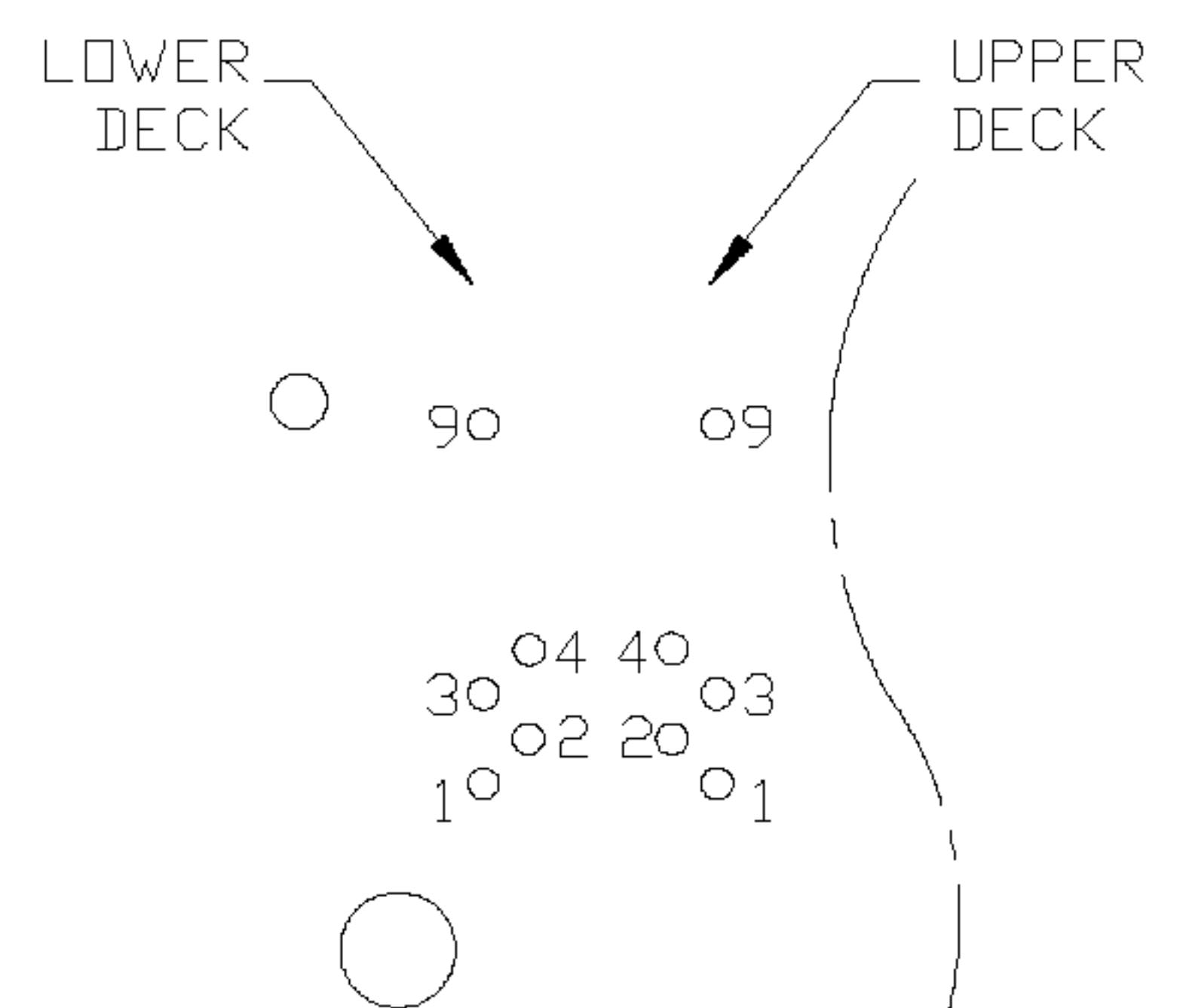
SCHEMATIC



ORIGINATED BY	DATE	TITLE 2X4 10/100 MagJack ® 0833-2X4R-AK-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHUNG	03-06-07		08332X4RAK-F	TOL. IN INCH		UNIT : INCH [mm] REV. : A		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A SIZE : A4		
DE	03-06-07		08332X4RAK-FA.DWG	.XX		PAGE : 2		
			.XXX					

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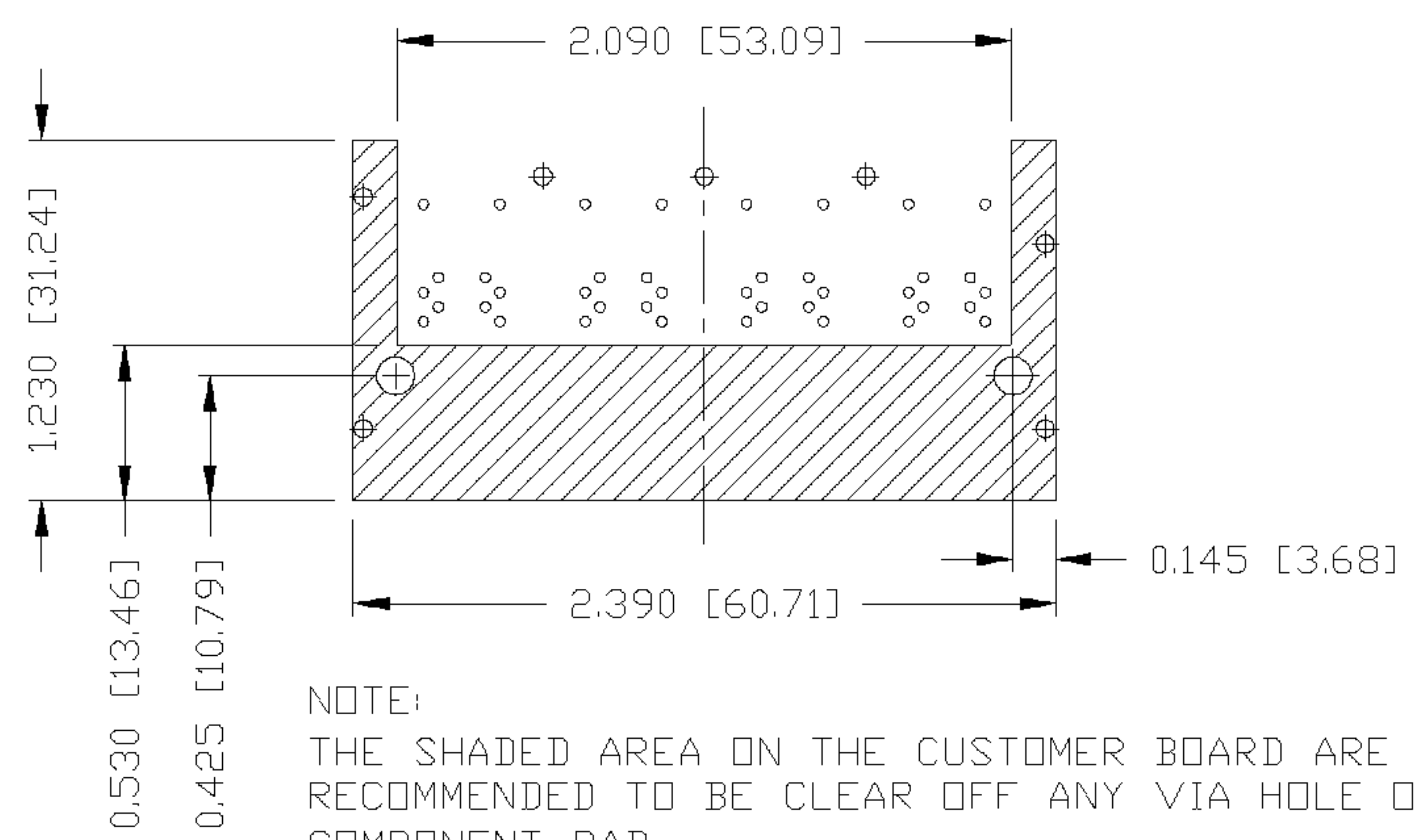
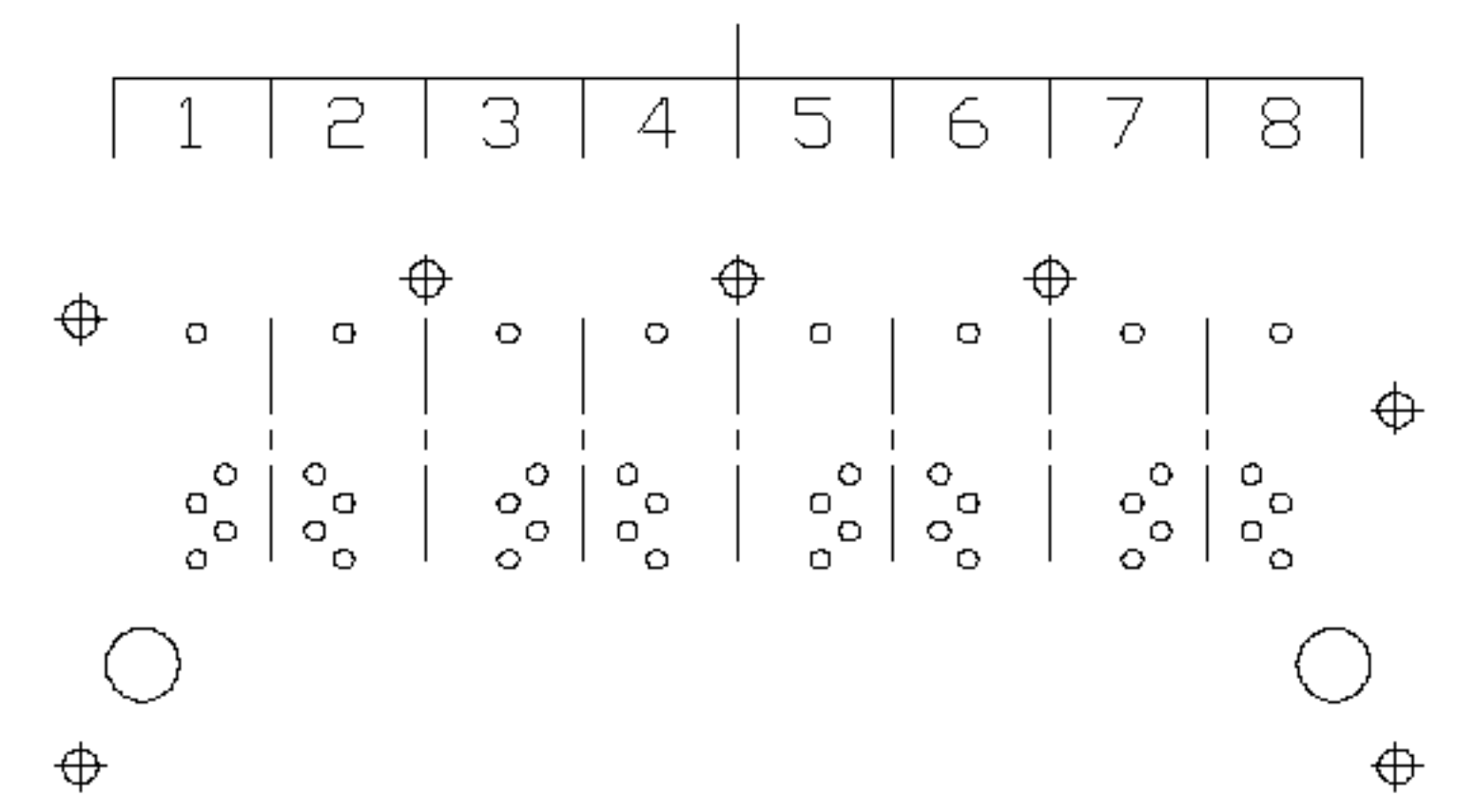


PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	NO PIN
9	CT
8	NO PIN
7	NO PIN
6	NO PIN
5	NO PIN
4	TD+
3	TD-
2	RD+
1	RD-

UNUSED PIN LOCATIONS MUST BE REMOVED TO ENSURE 2KV ISOLATION.

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



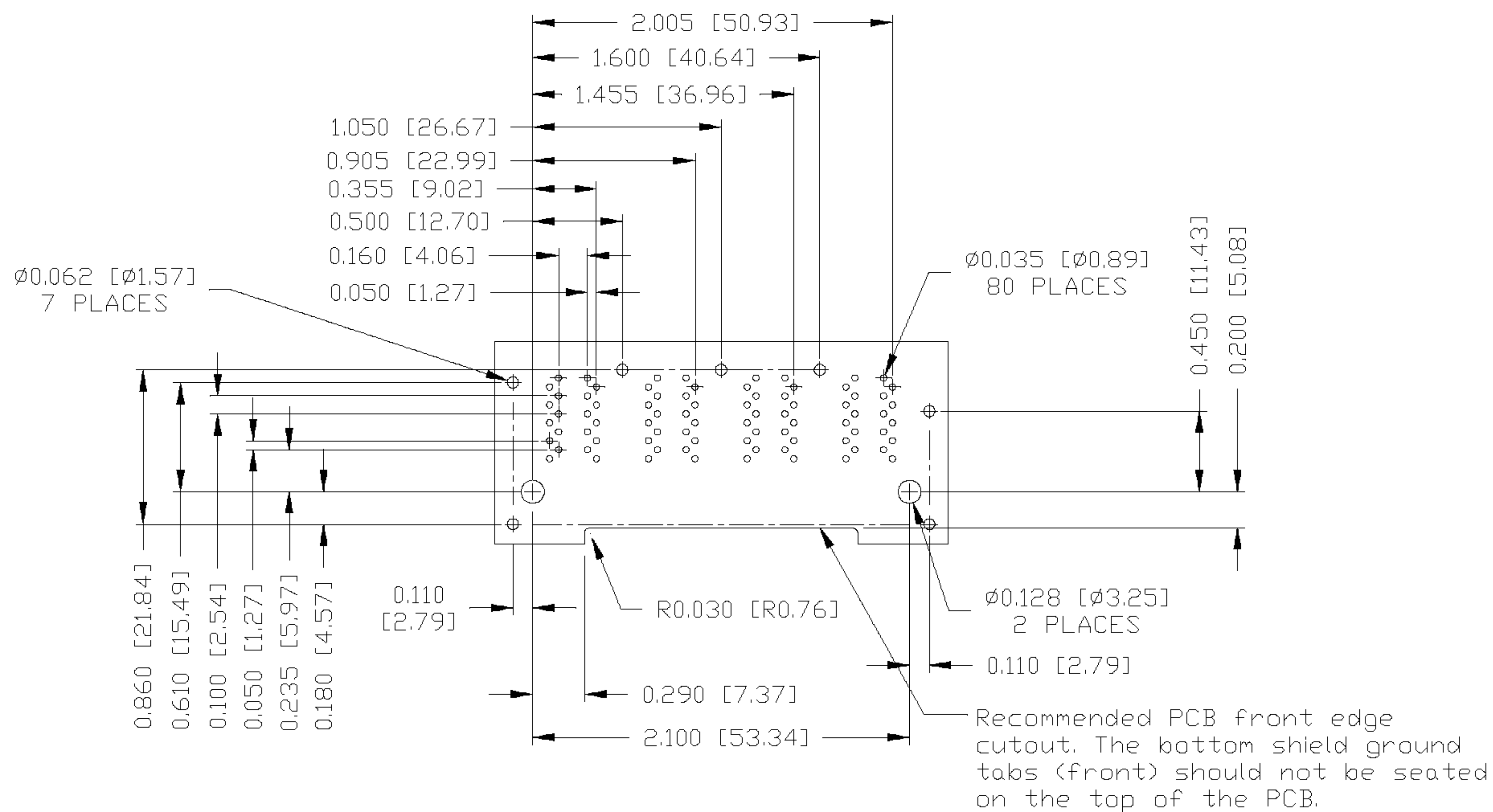
NOTE:
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
QIN	03-06-07			08332X4RAK-F	TOL. IN INCH		UNIT : INCH [mm]	
DRAWN BY	DATE	FILE NAME	.X			SCALE : N/A	SIZE : A4	
TING	03-06-07		08332X4RAK-FA.DWG			.XX	 - 	
		2X4 10/100 MagJack®			.XXX	±0.004		

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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE 2X4 10/100 MagJack ® 0833-2X4R-AK-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS FOR A CONNECTED PLANET
QIN	03-06-07		08332X4RAK-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
TING	03-06-07		08332X4RAK-FA.DWG	.XX		.XXX		



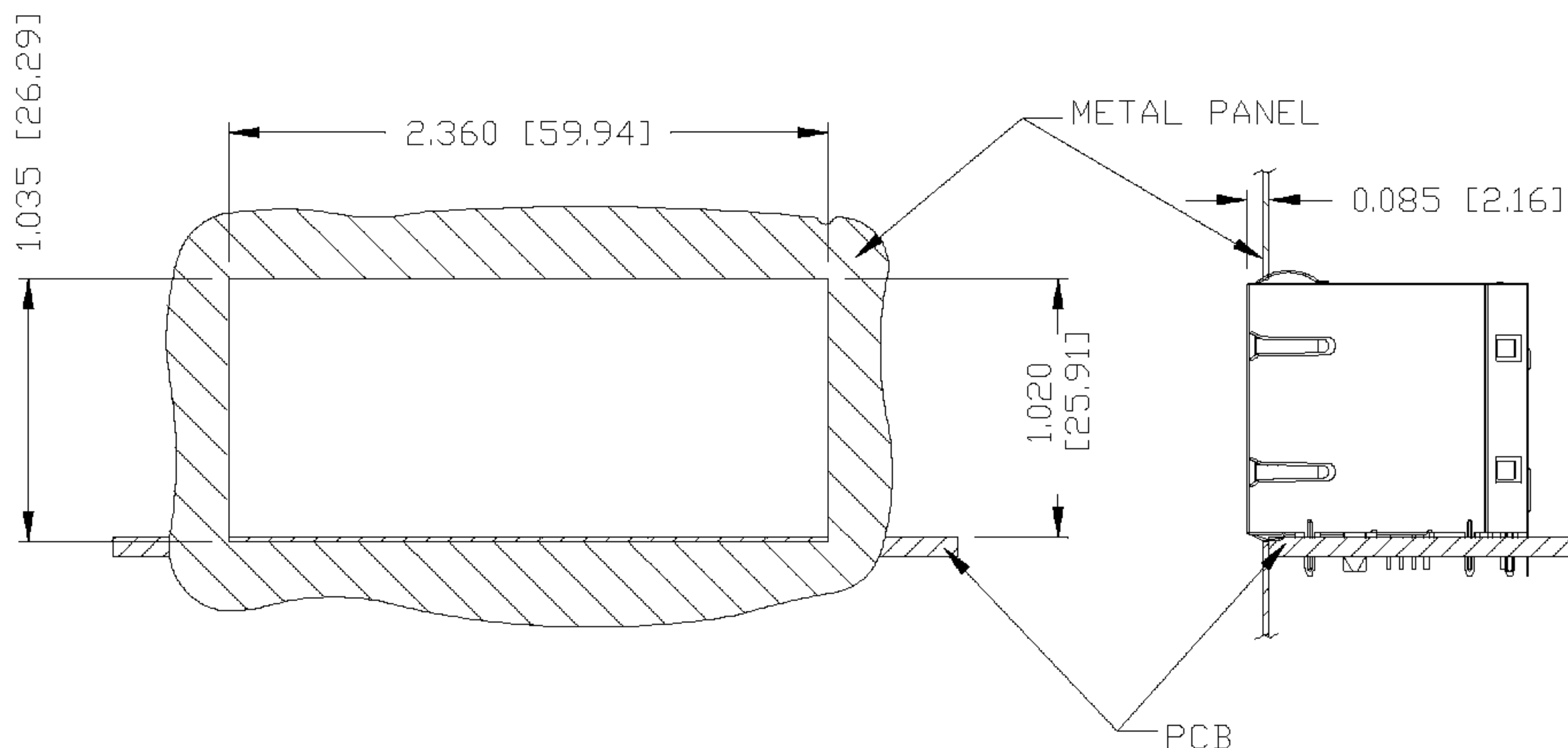
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RoHS
2002/95/EC



SUGGESTED PANEL OPENING



NOTES:

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 : 0200-0148-46 (TOP)
0200-0148-47 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY,
7 TRAYS (140 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	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
QIN	03-06-07	2X4 10/100 MagJack®	08332X4RAK-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE	0833-2X4R-AK-F	FILE NAME	.XX			PAGE : 6
				.XXX	±0.004		

bel
COMPONENTS FOR A
CONNECTED
PLANET