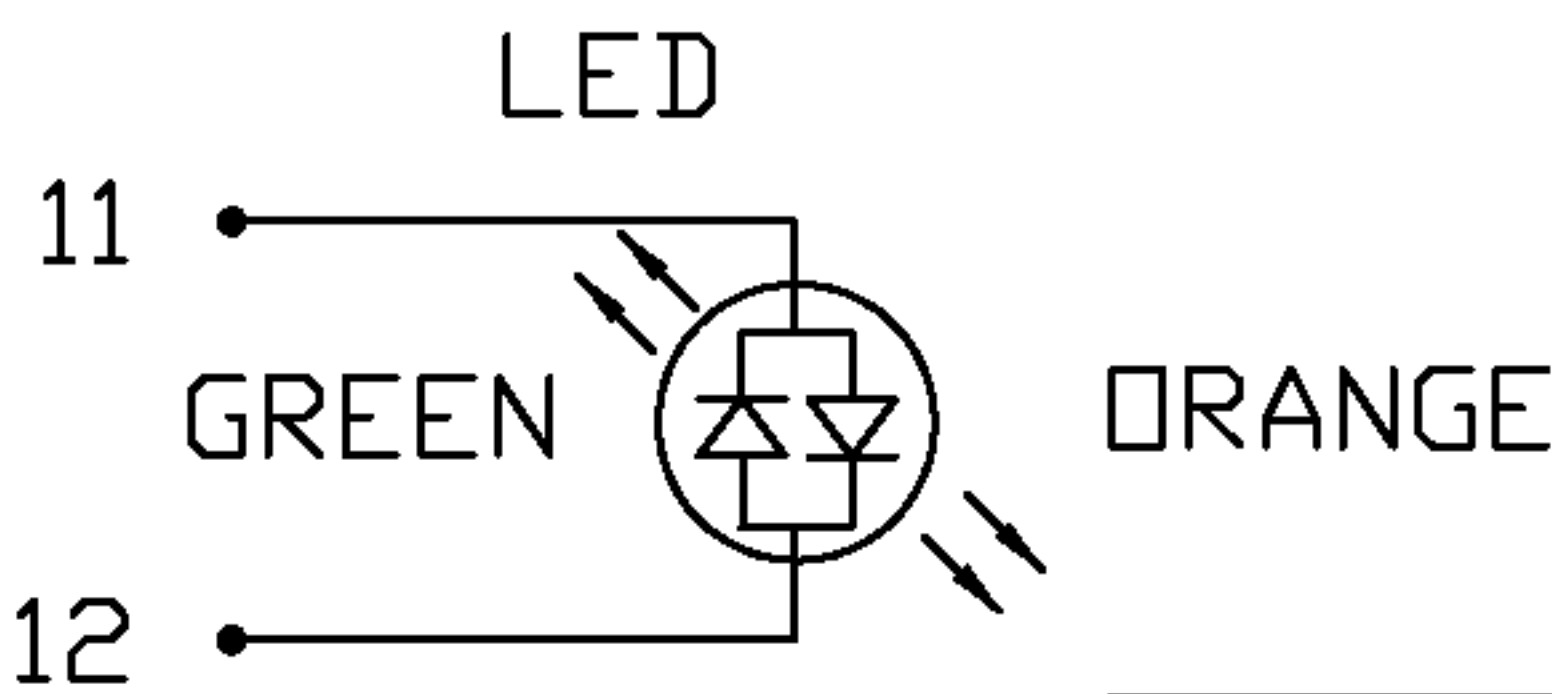


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BI-COLOR LED POLARITY		
PIN	GREEN	ORANGE
11	-	+
12	+	-

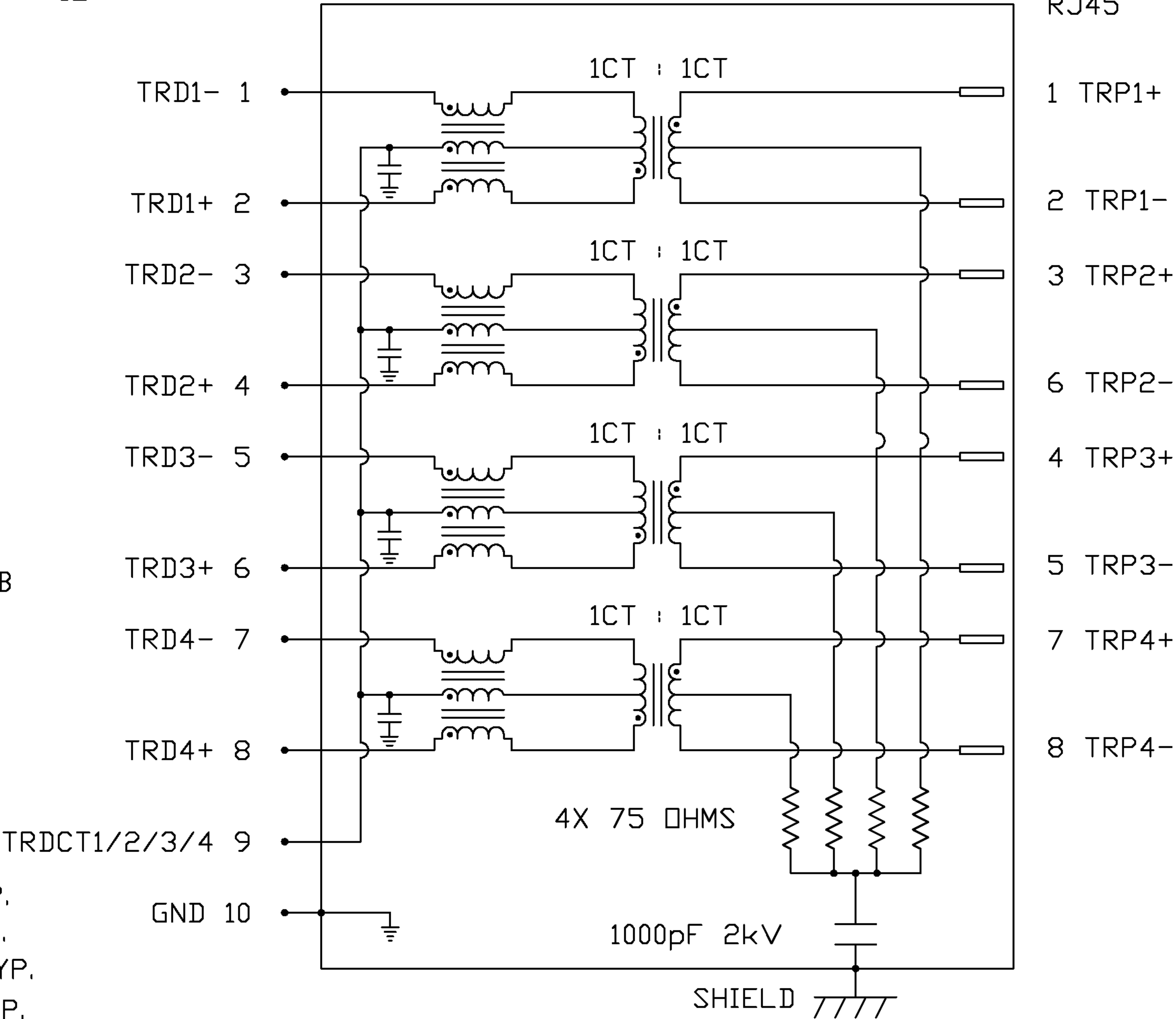


ELECTRICAL CHARACTERISTICS @ 25°C

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
LED	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP. ORANGE 2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP. ORANGE 610nm TYP.

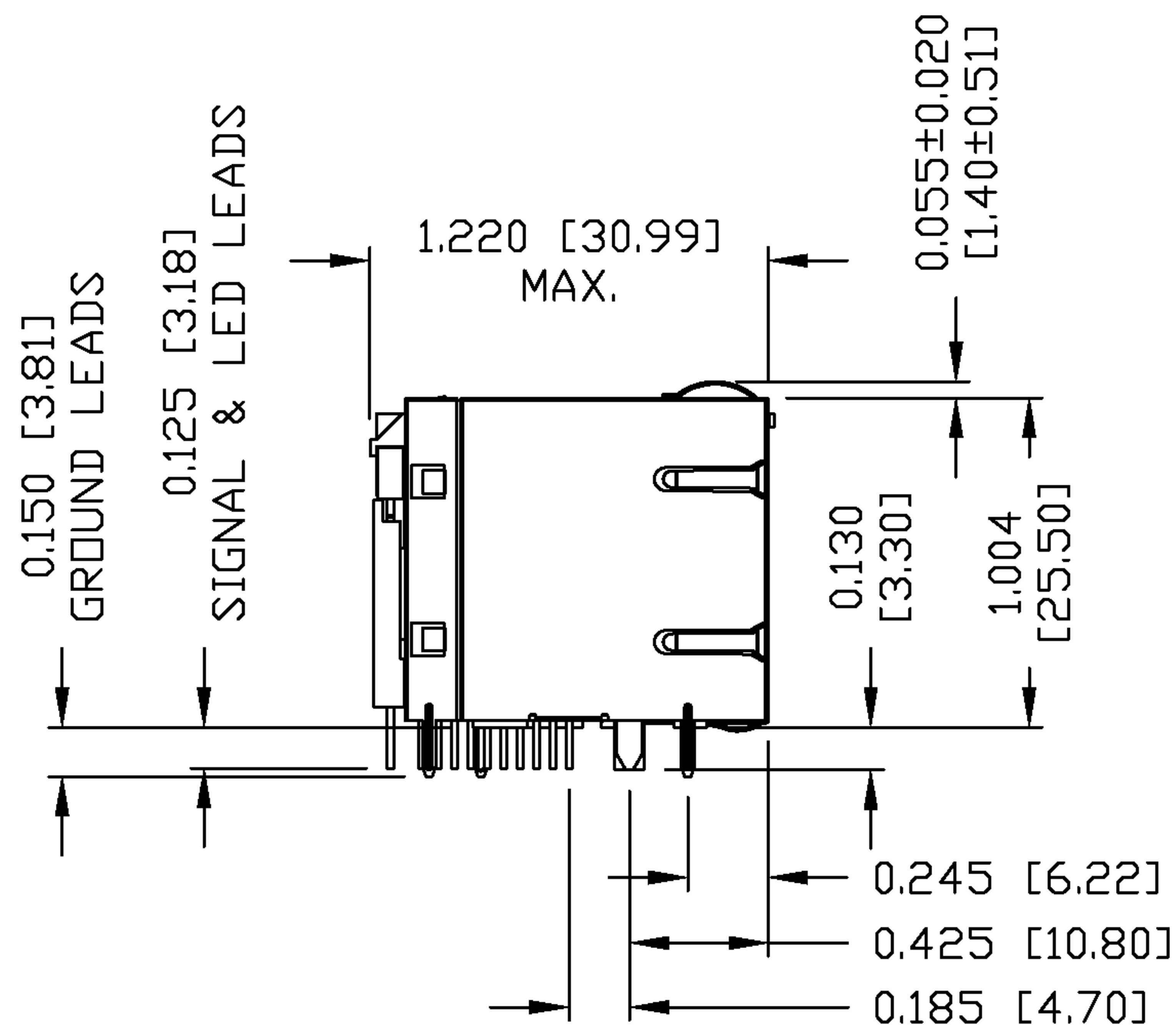
SCHEMATIC



ORIGINATED BY CHUNG	DATE 02-28-06	TITLE 2X6 gigabit MagJack® (8 Cores, with LED) 0863-2X6R-54-F	PART NO. / DRAWING NO. 08632X6R54-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY DE	DATE 02-28-06		FILE NAME 08632X6R54-FA.DWG	.X		UNIT : INCH [mm]	REV. : A	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX			PAGE : 2	

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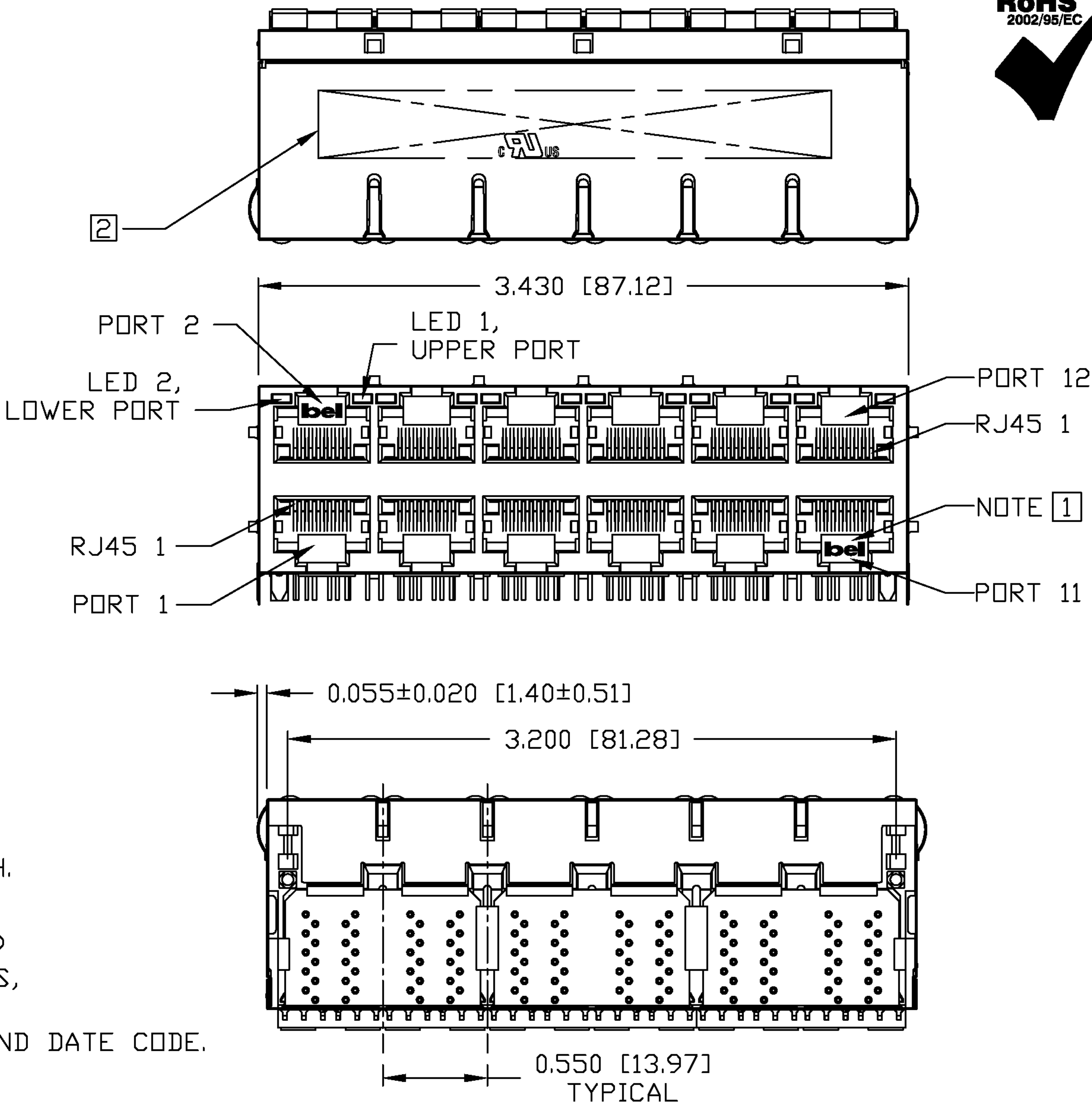
RoHS
2002/95/EC



NOTES:

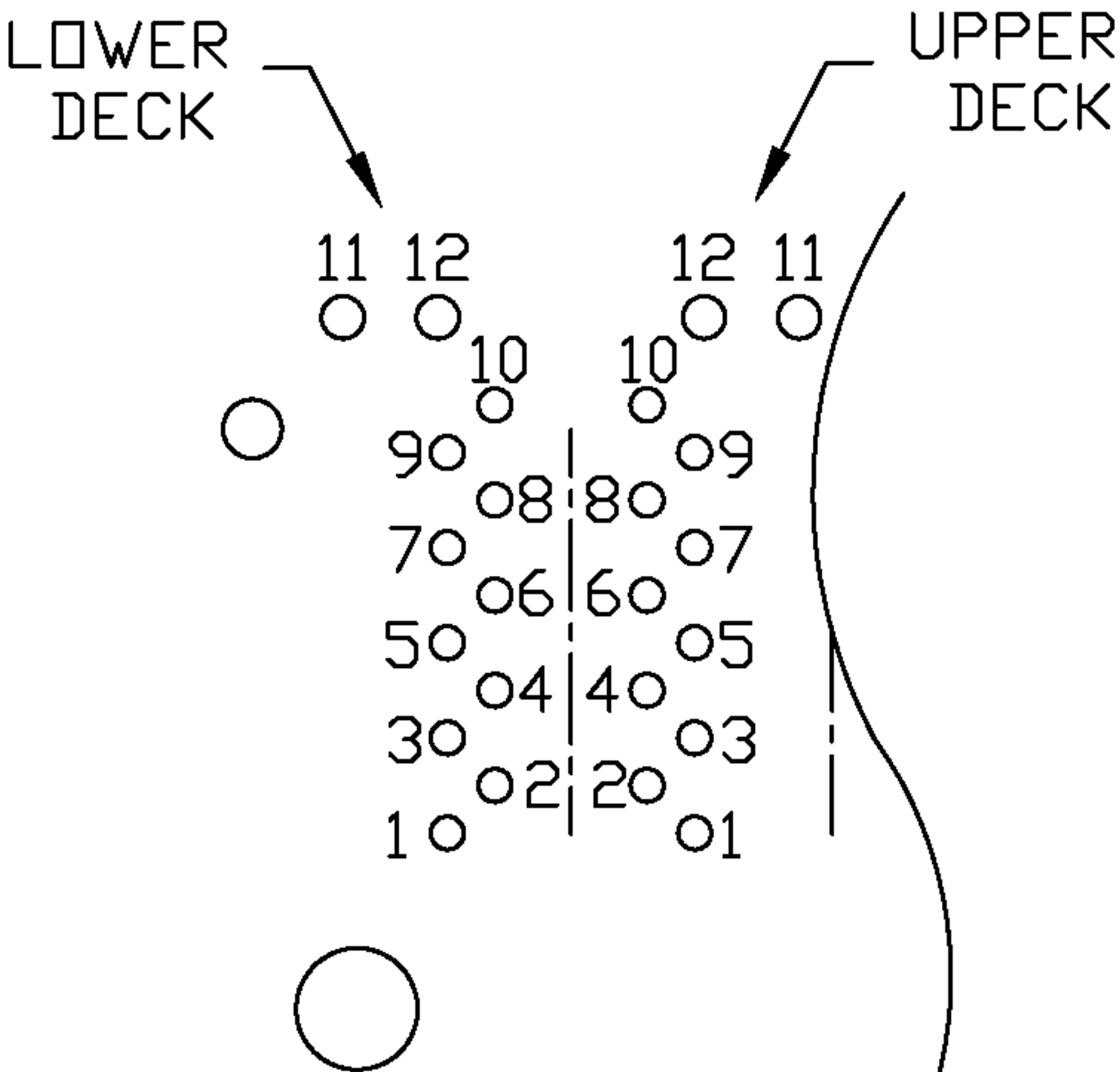
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.
 UL RECOGNIZED - FILE #E196366 AND E169987.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.



ORIGINATED BY QIN	DATE 02-28-06	TITLE 2X6 gigabit MagJack® (8 Cores, with LED) 0863-2X6R-54-F	PART NO. / DRAWING NO. 08632X6R54-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : A
DRAWN BY TING	DATE 02-28-06		FILE NAME 08632X6R54-FA.DWG	.XX		SCALE : N/A	SIZE : A4
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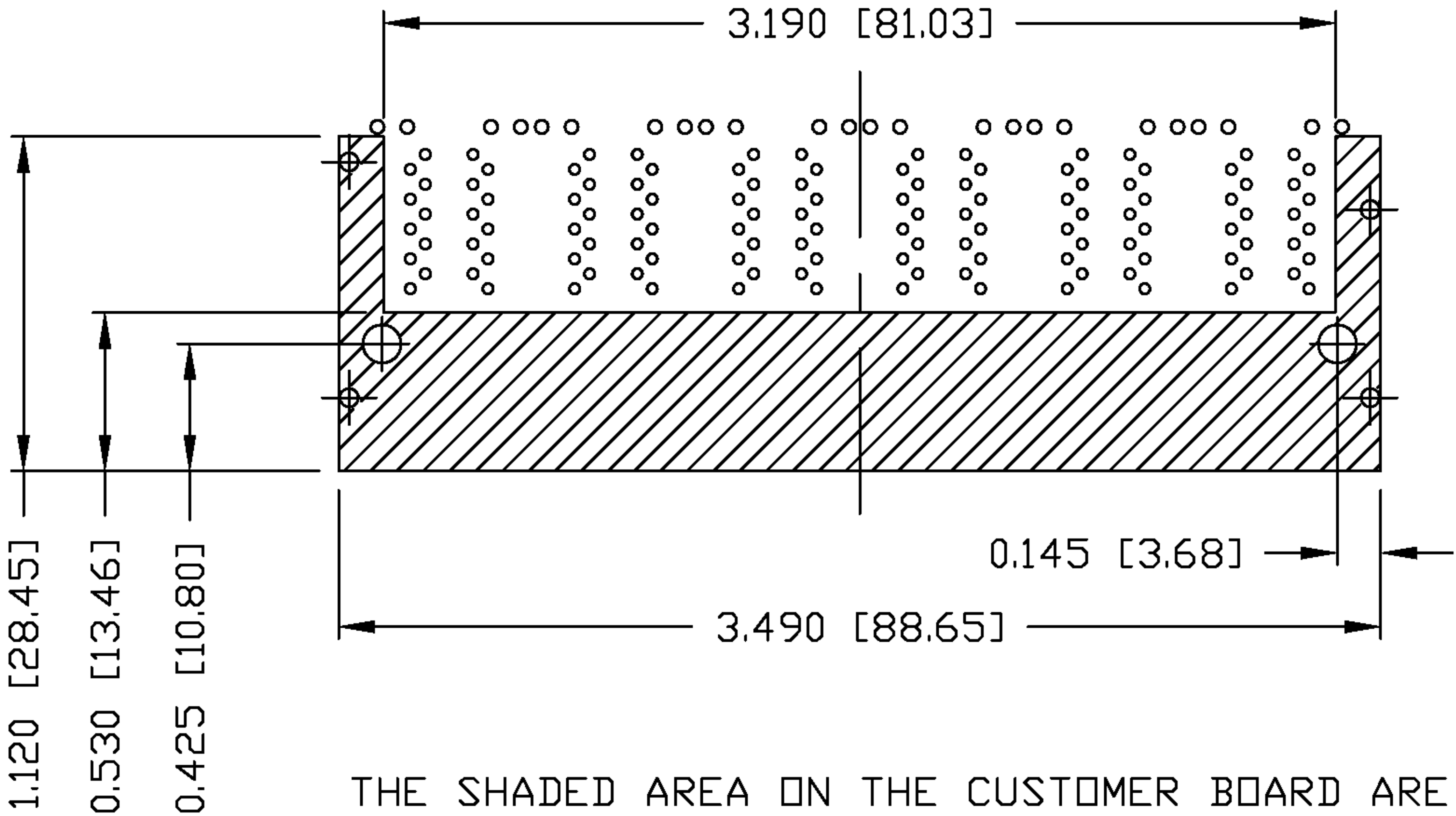
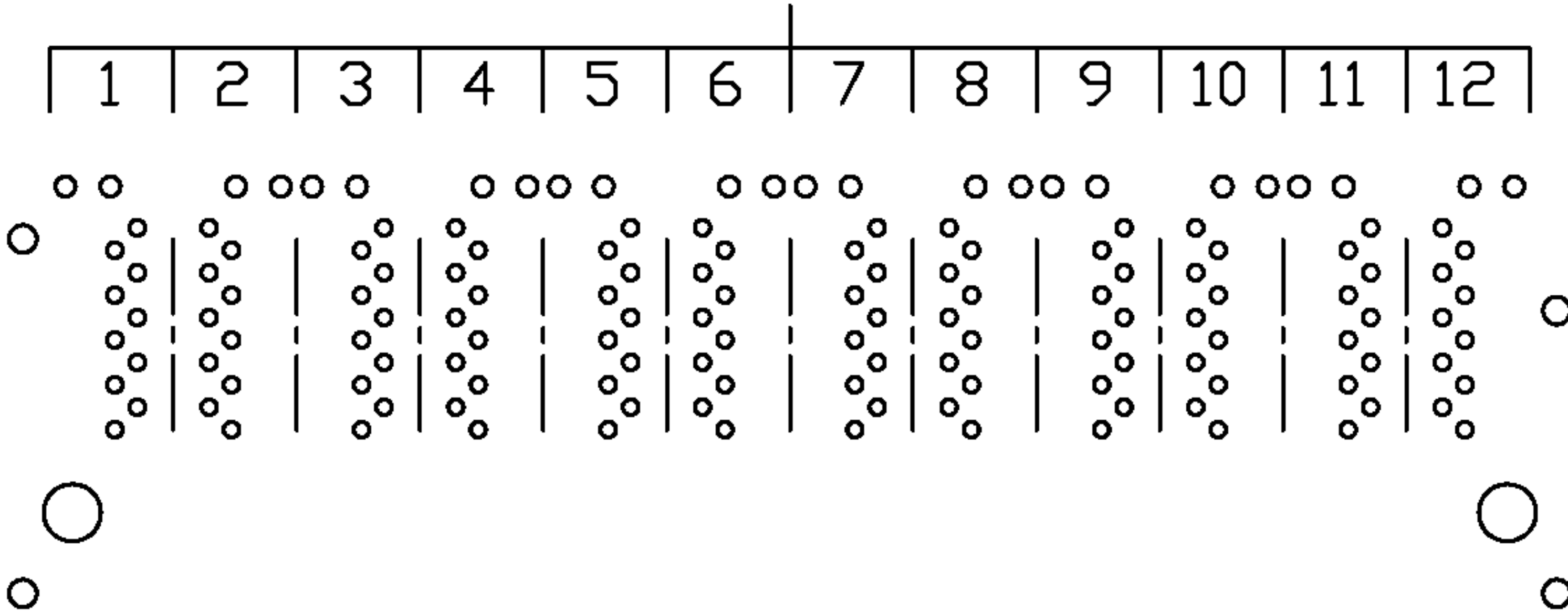




PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

12	GRN (+)/ORG (-)
11	GRN (-)/ORG (+)
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-

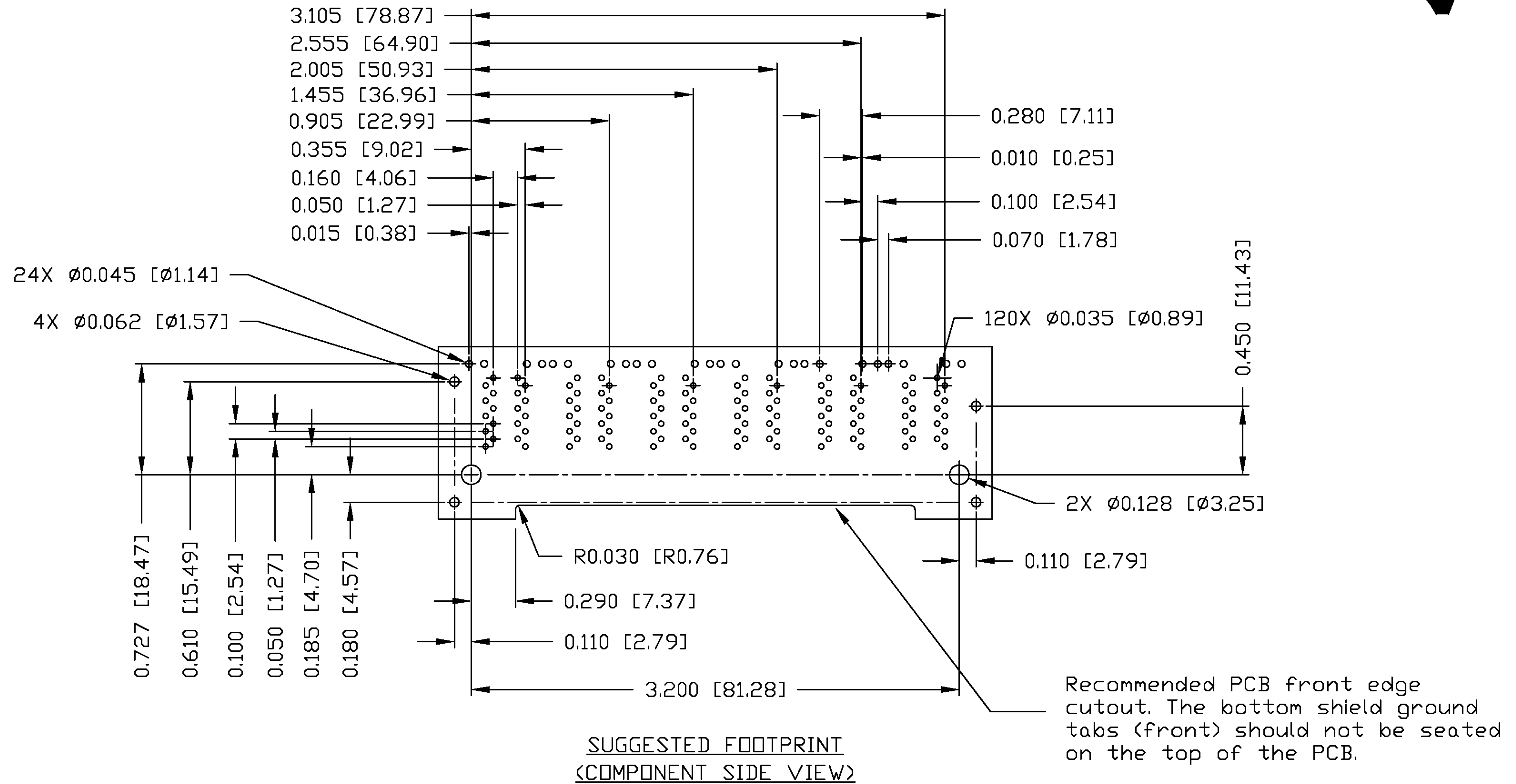
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

ORIGINATED BY QIN	DATE 02-28-06	TITLE 2X6 gigabit MagJack® (8 Cores, with LED) 0863-2X6R-54-F	PART NO. / DRAWING NO. 08632X6R54-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET		
DRAWN BY TING	DATE 02-28-06		FILE NAME 08632X6R54-FA.DWG	.X		UNIT : INCH [mm]	REV. : A			
						SCALE : N/A	SIZE : A4			
							PAGE : 4			

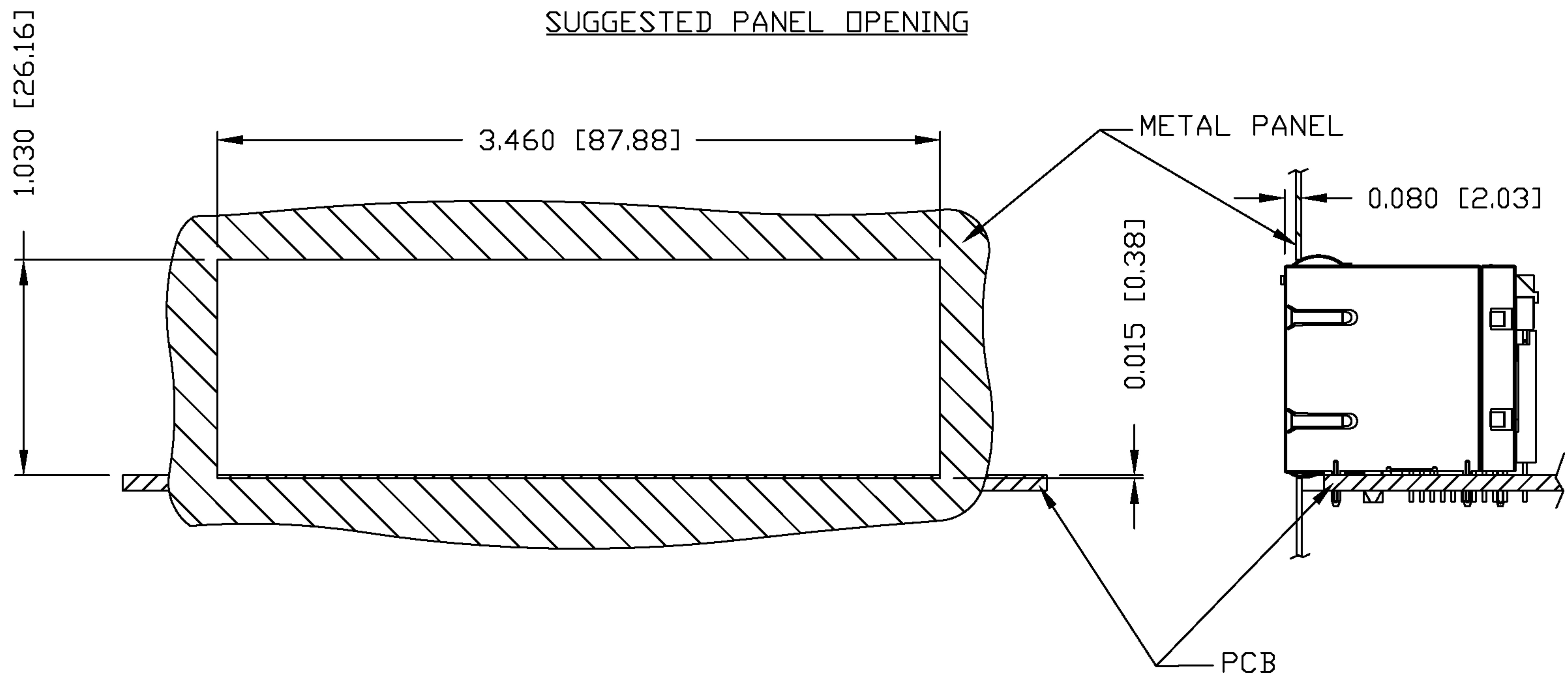
RoHS
2002/95/EC



ORIGINATED BY QIN	DATE 02-28-06	TITLE 2X6 gigabit MagJack® (8 Cores, with LED) 0863-2X6R-54-F	PART NO. / DRAWING NO. 08632X6R54-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
DRAWN BY TING	DATE 02-28-06		FILE NAME 08632X6R54-FA.DWG	.X		UNIT : INCH [mm]	REV. : A
				.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 5



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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 : 0200-9999-A9 (TOP)
0200-9999-B6 (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)

ORIGINATED BY QIN	DATE 02-28-06	TITLE 2X6 gigabit MagJack® (8 Cores, with LED) 0863-2X6R-54-F	PART NO. / DRAWING NO. 08632X6R54-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : A
DRAWN BY TING	DATE 02-28-06		FILE NAME 08632X6R54-FA.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 6

