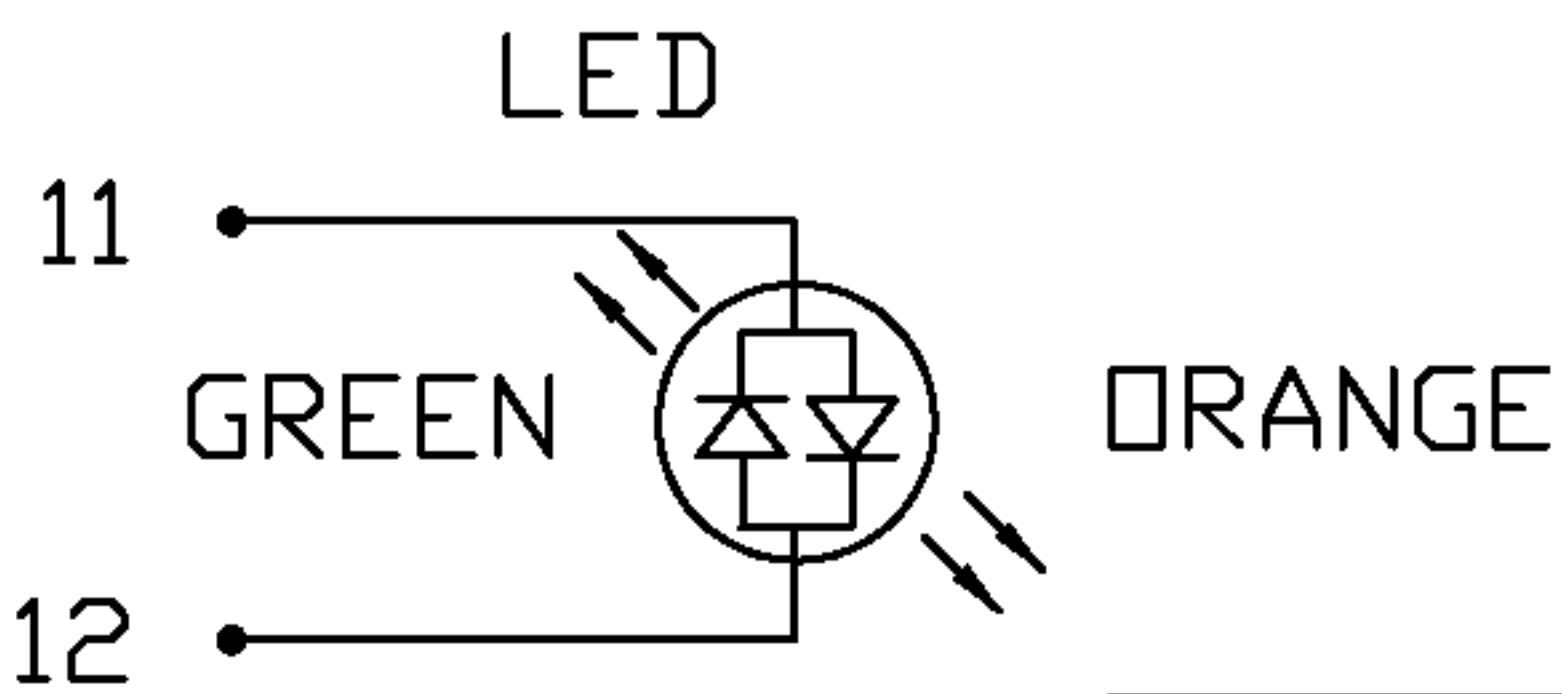


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BI-COLOR LED POLARITY		
PIN	GREEN	ORANGE
11	-	+
12	+	-



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

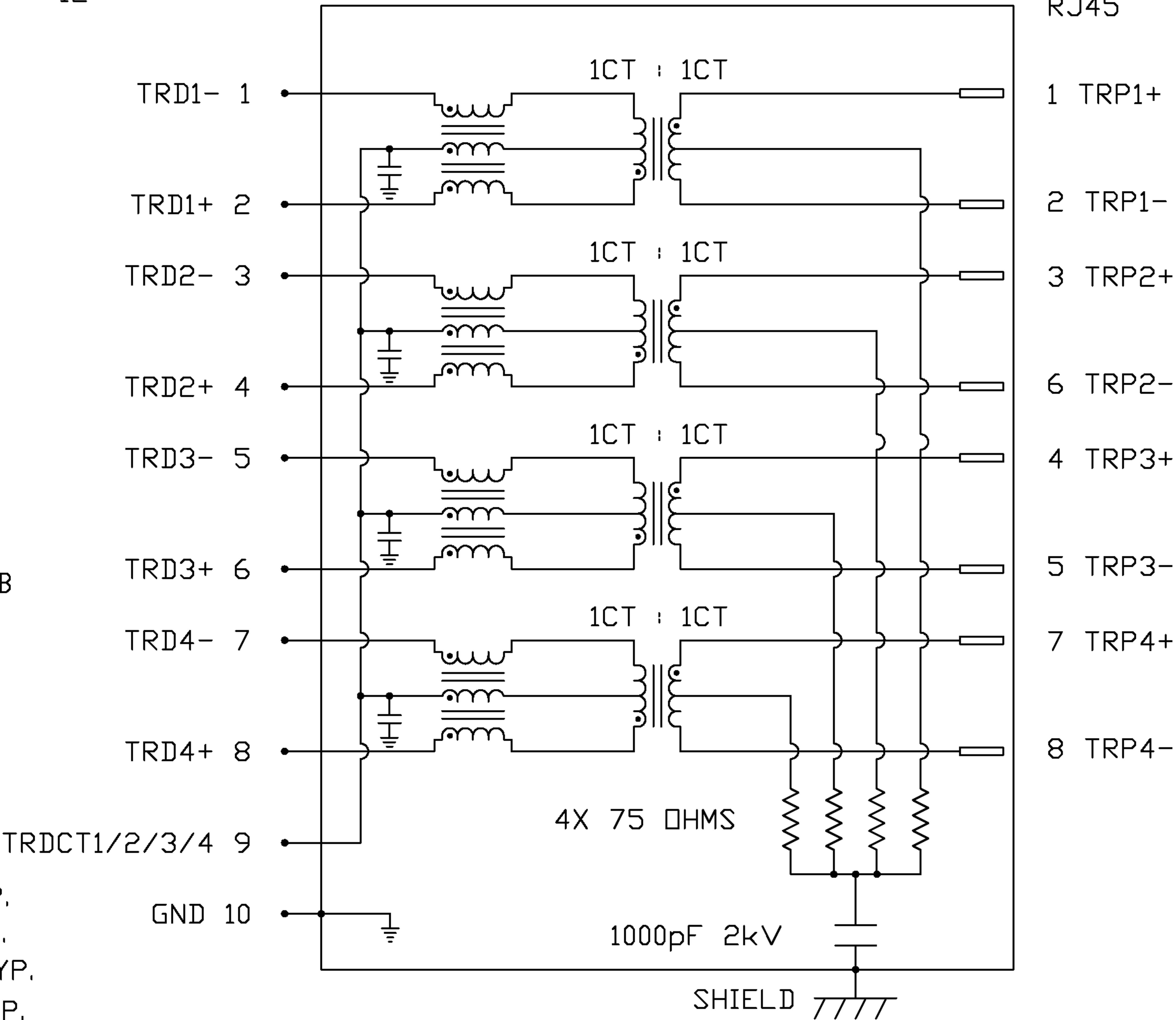
100kHz - 100MHz	-35 dB MIN
-----------------	------------

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.

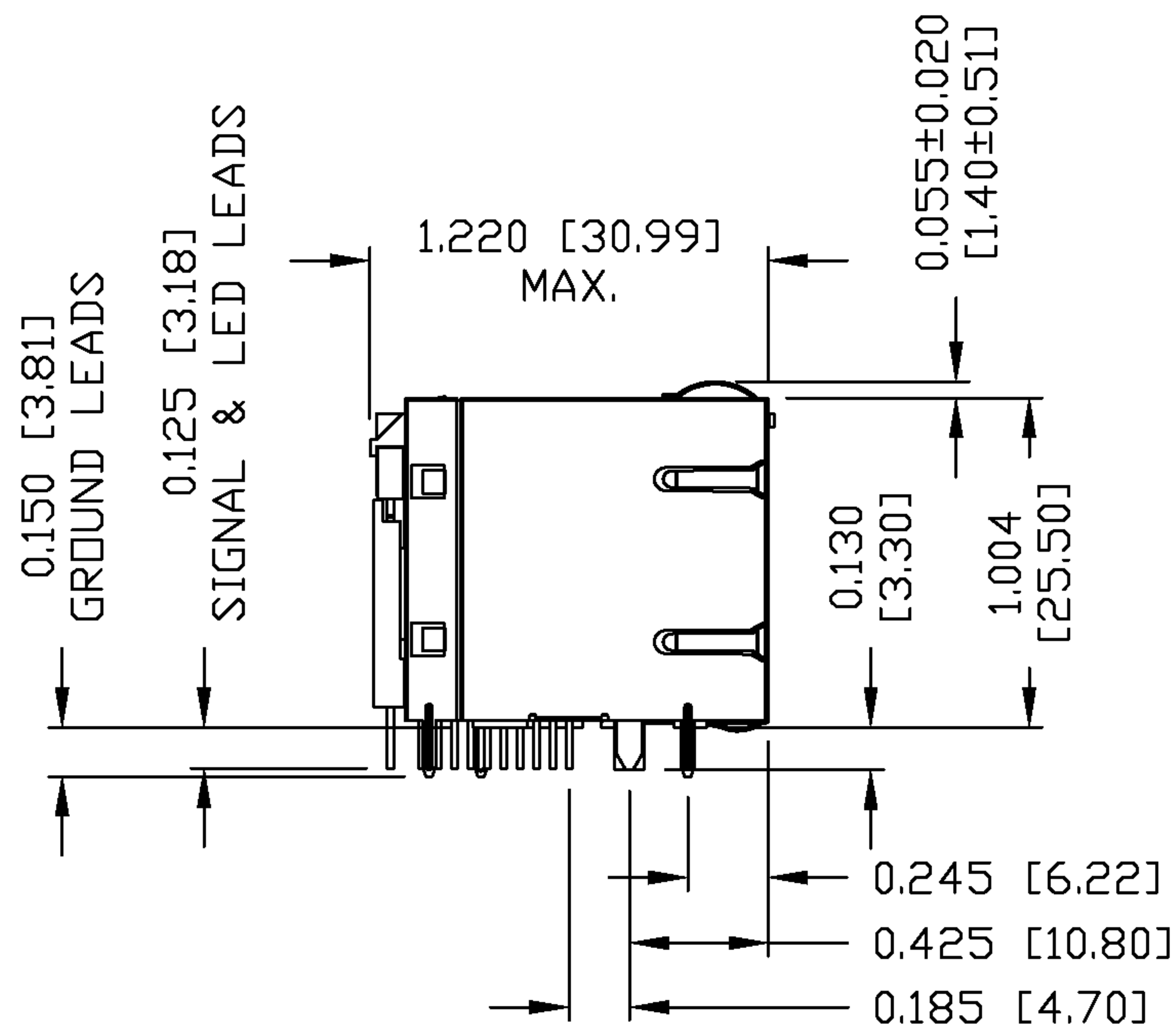
SCHEMATIC



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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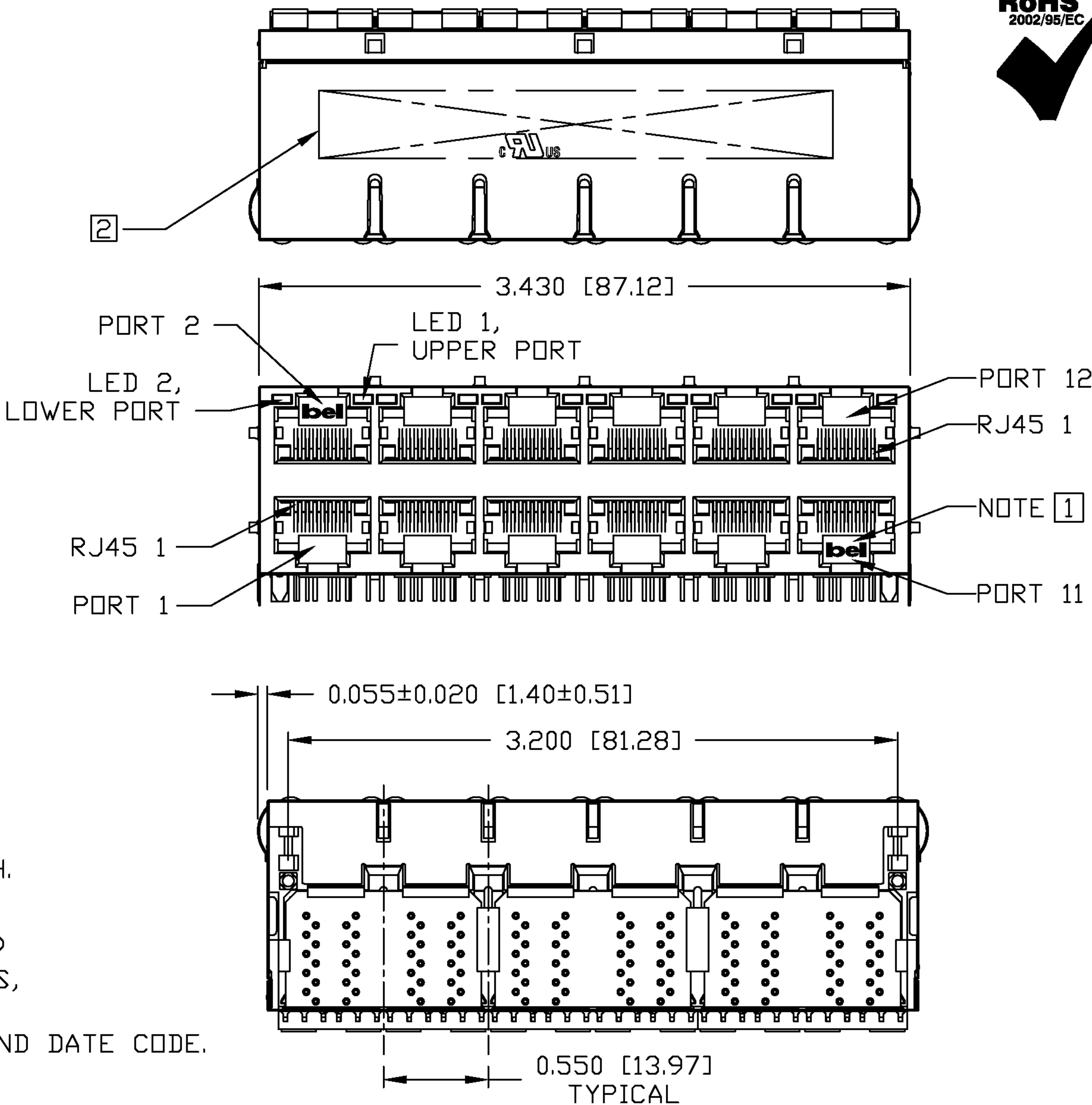
RoHS
2002/95/EC



NOTES:

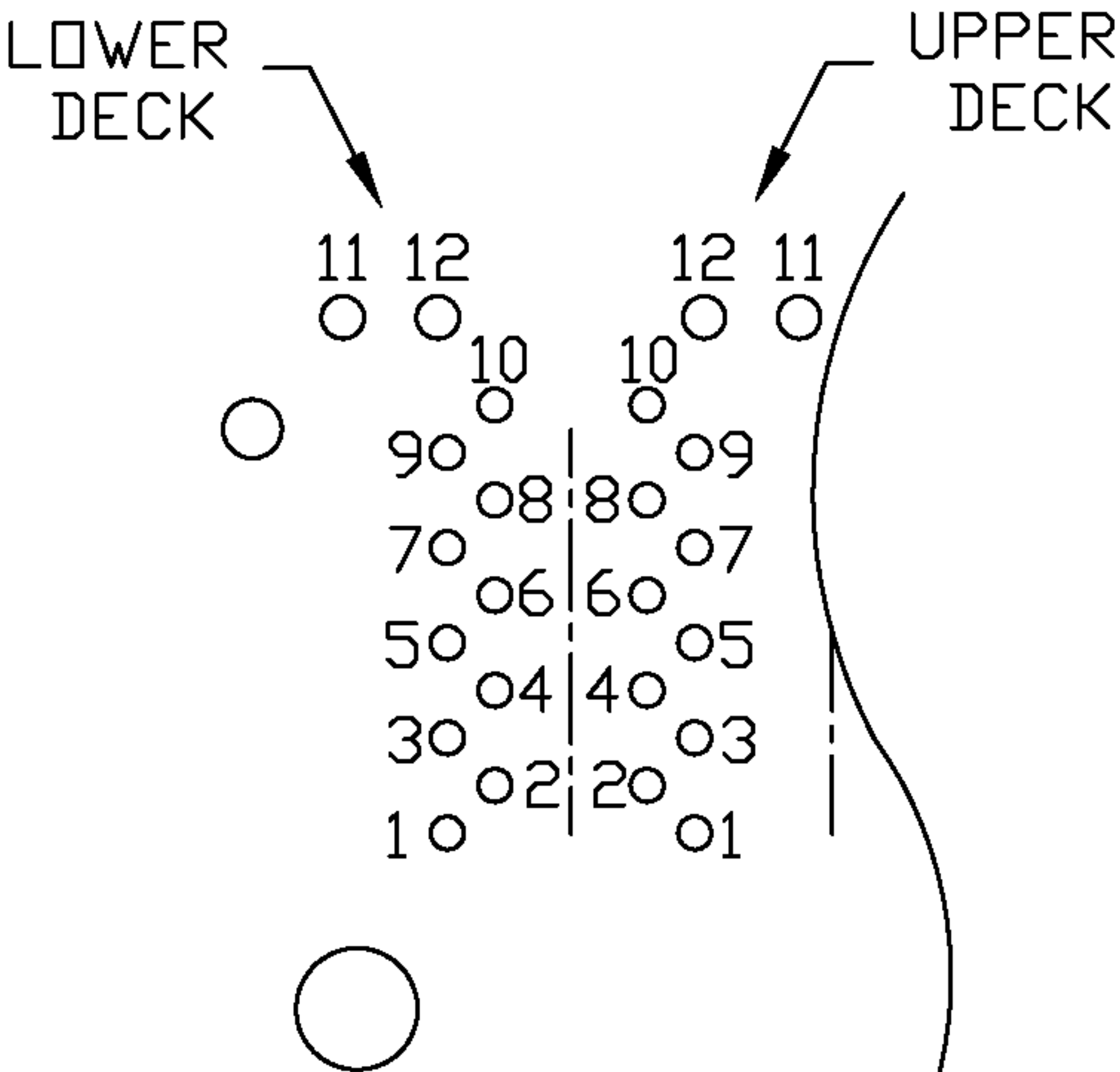
- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
- (ALL GROUND LEADS ARE SOLDER DIPPED)

- [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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
QIN	02-28-06	2X6 gigabit MagJack® (8 Cores, with LED) 0863-2X6R-54-F	08632X6R54-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
TING	02-28-06		08632X6R54-FA.DWG	.XXX	±0.010		

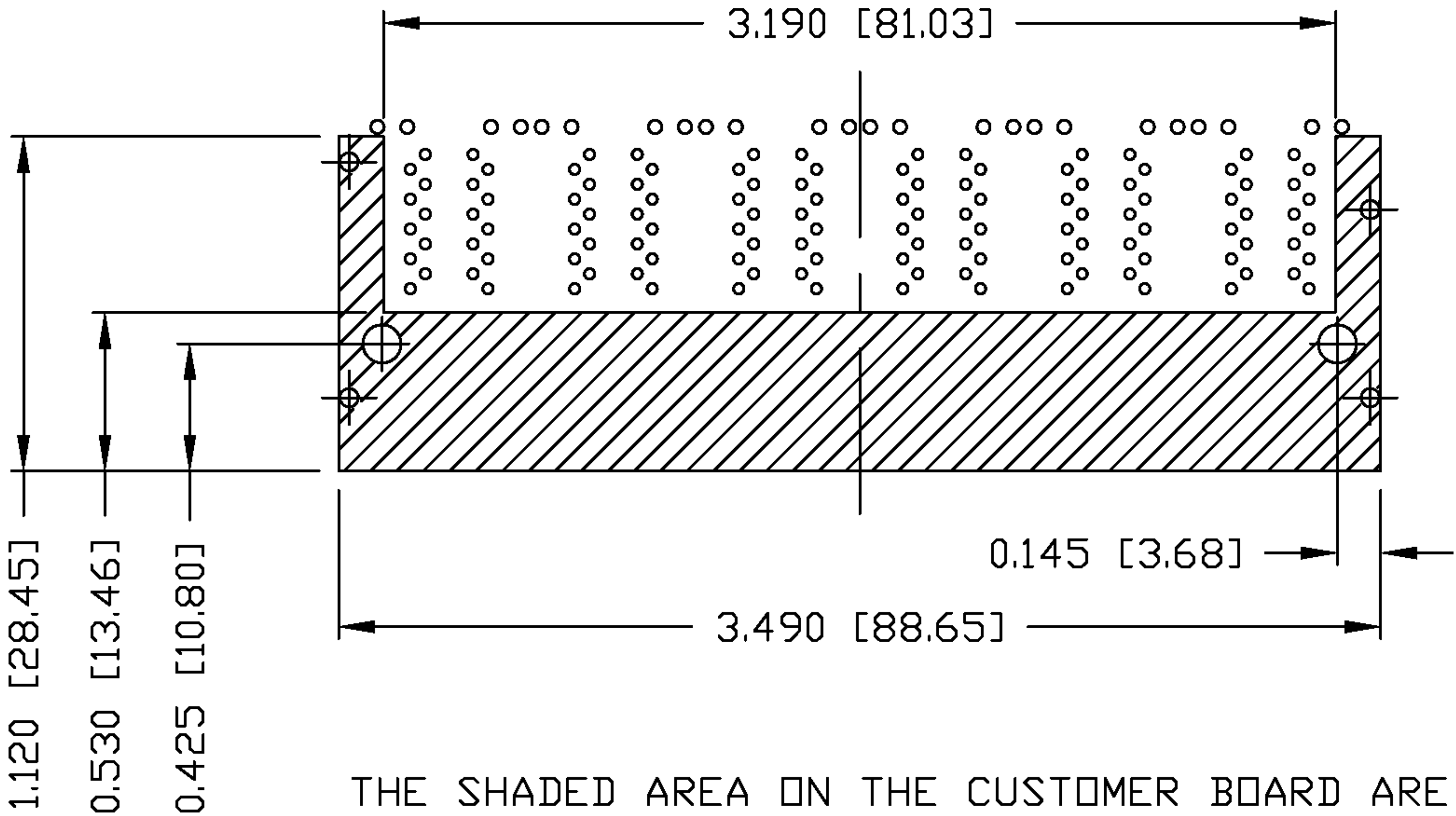
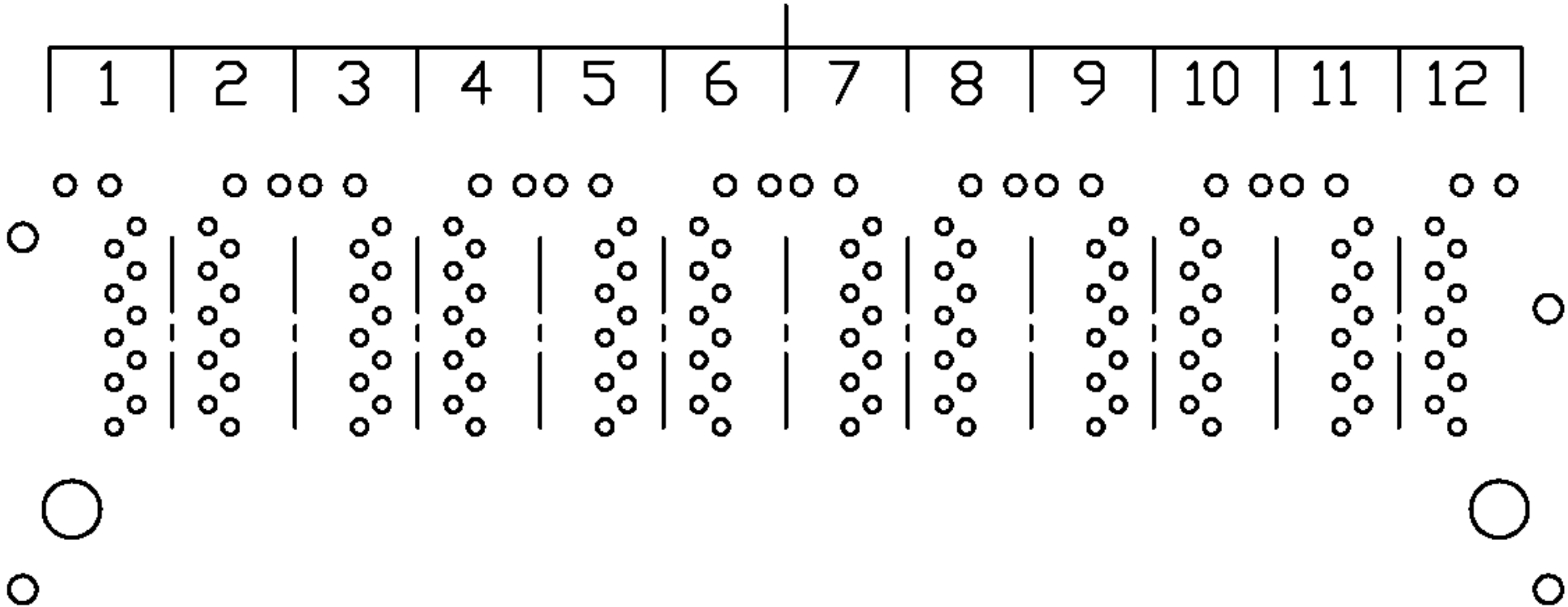




PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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-

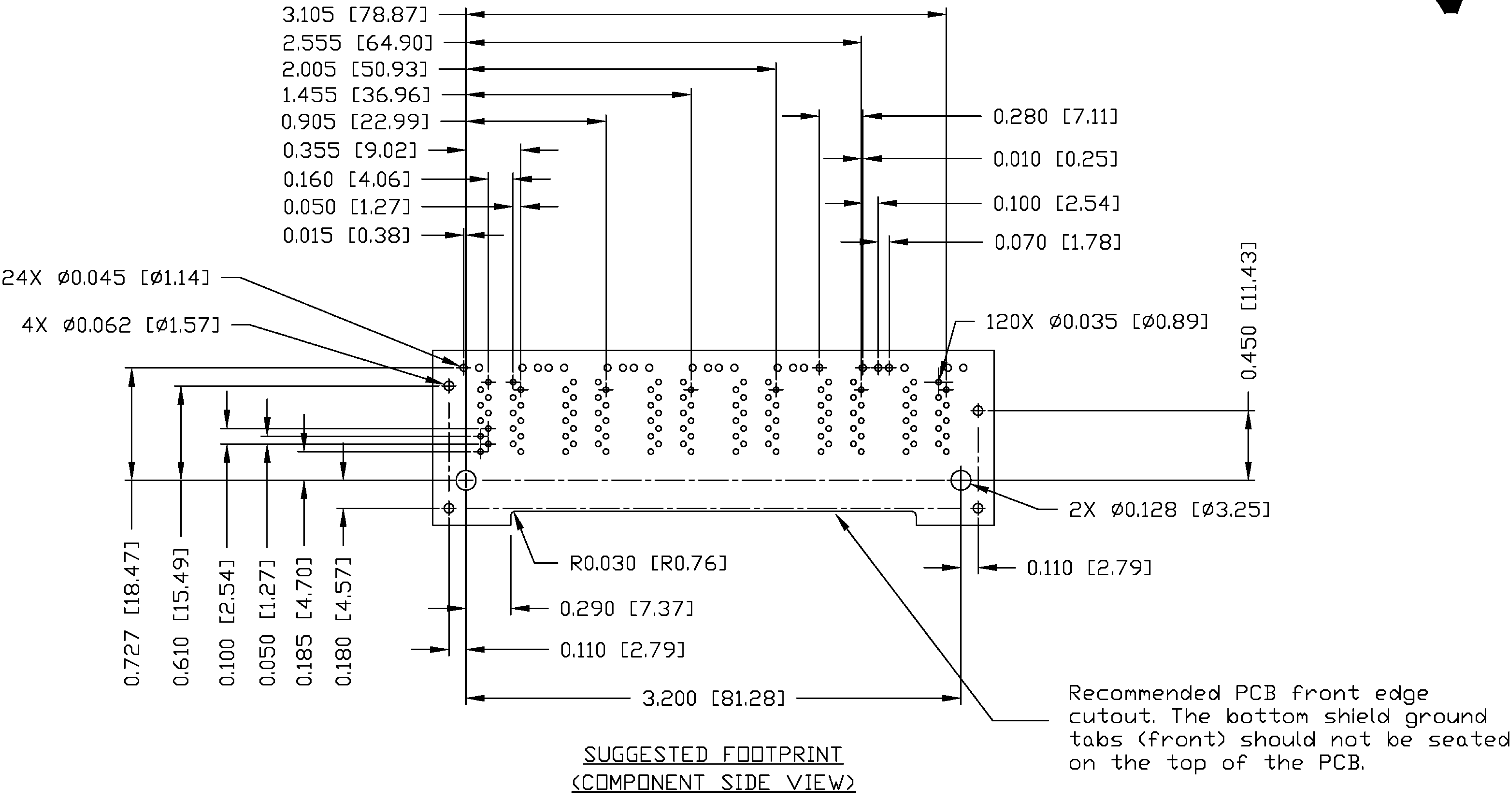
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

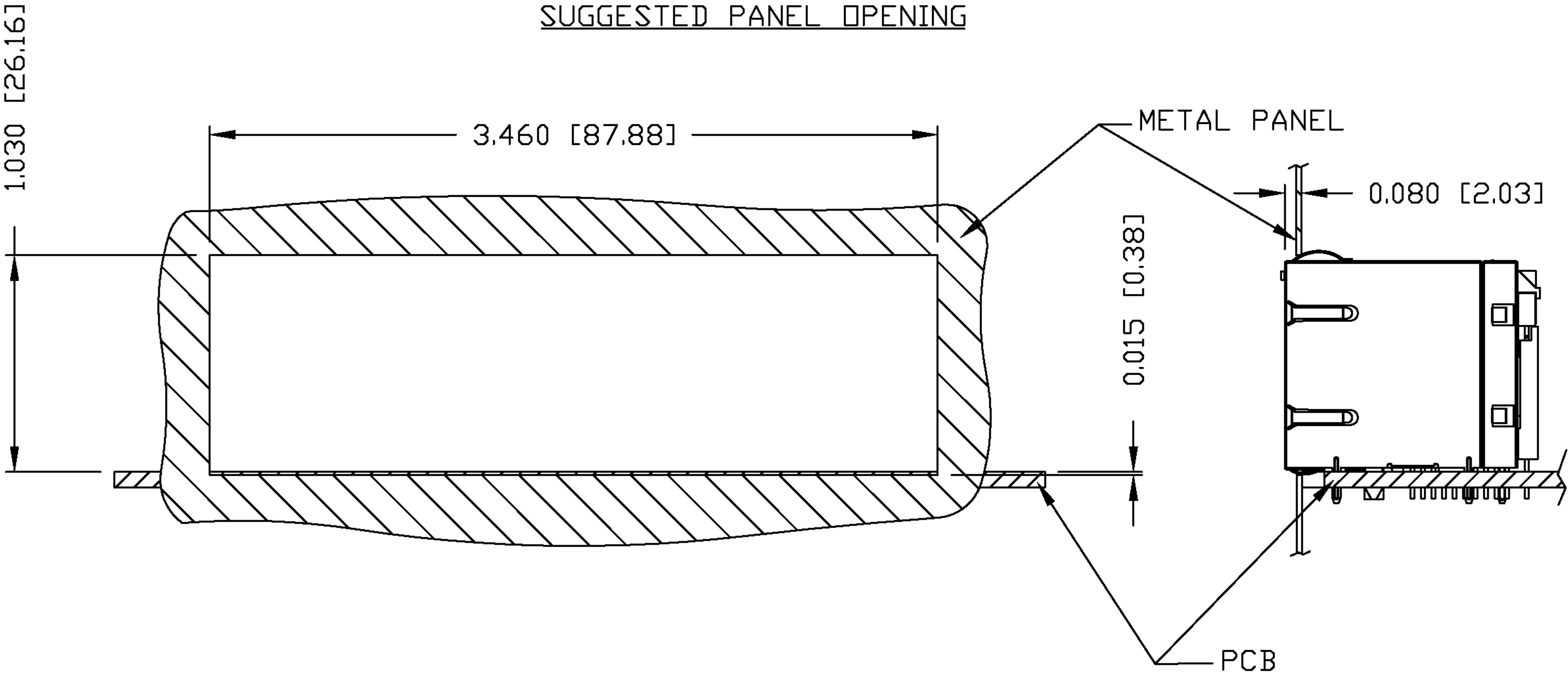
ORIGINATED BY QIN	DATE 02-28-06	TITLE 2X6 gigabit MagJack® (8 Cores, with LED) 0863-2X6R-54-F	PART NO. / DRAWING NO. 08632X6R54-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : A
DRAWN BY TING	DATE 02-28-06		FILE NAME 08632X6R54-FA.DWG		SCALE : N/A	SIZE : A4
						PAGE : 4





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 : 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

