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LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	YELLOW	-	+	YELLOW
+	-	GREEN	+	-	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

QCL @ 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):

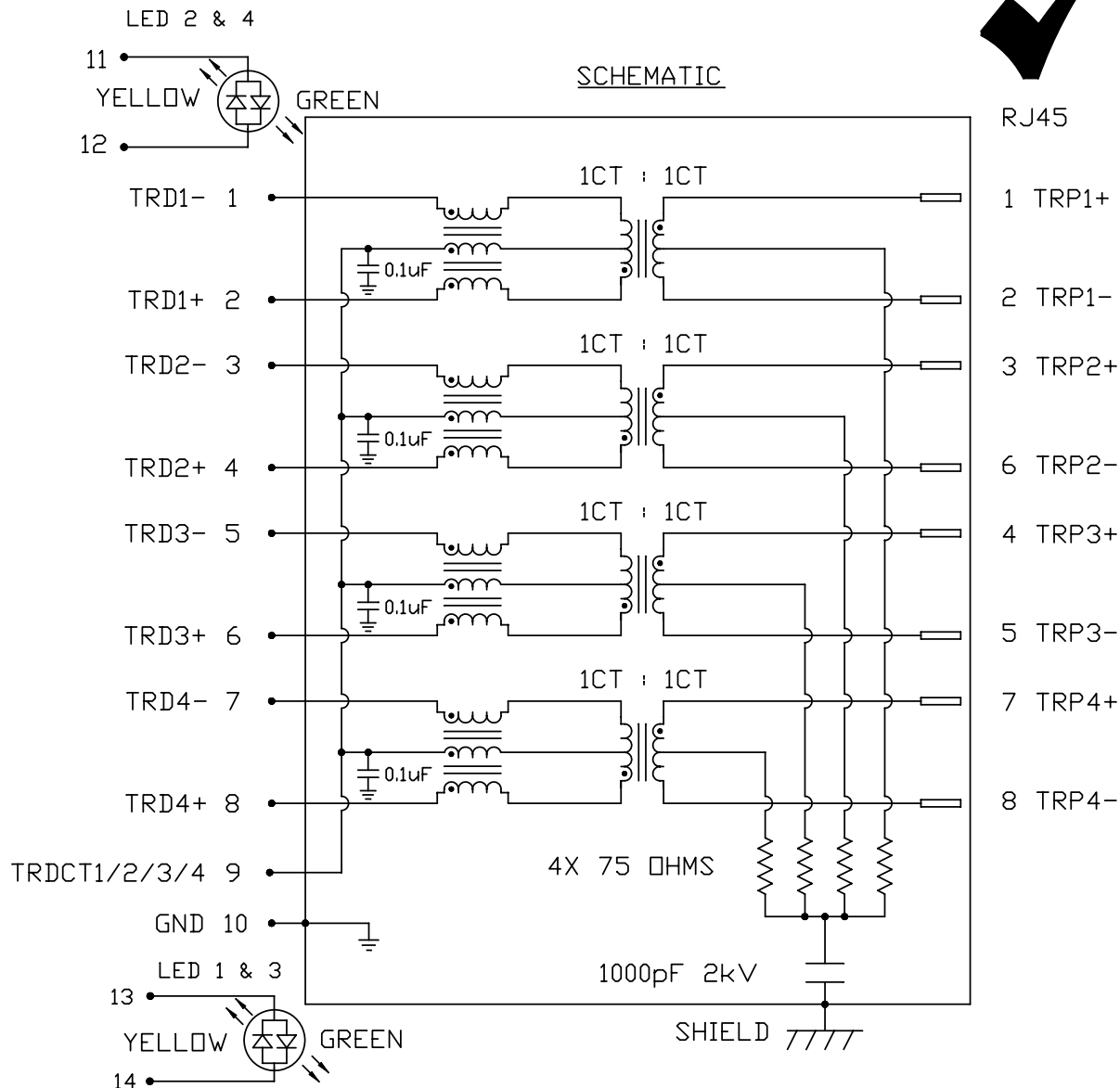
1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENT

LEDS 1, 2, 3 AND 4

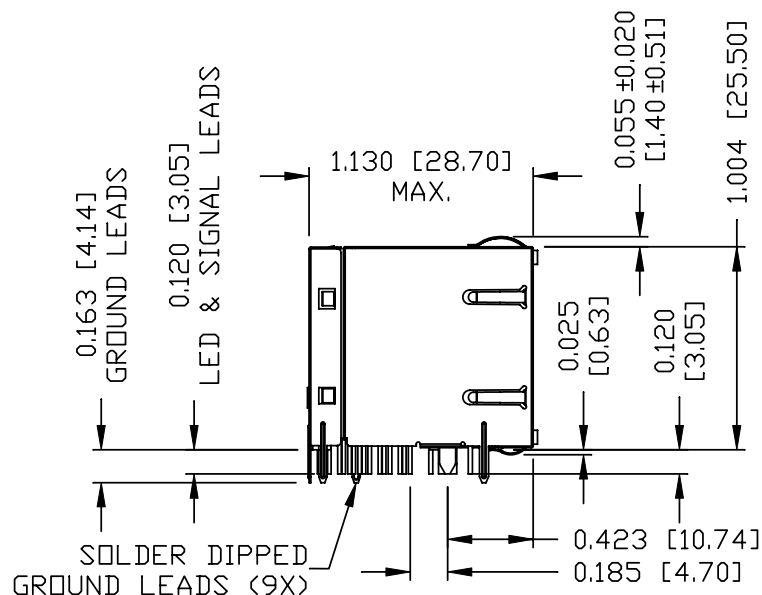
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
	IF=20mA	YELLOW	590nm TYP.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL.	IN INCH	UNIT : INCH [mm]	REV. : D
CHOW WANGCHUNG	05-05-10	2X6 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	0879-2C6R-54	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX		PAGE : 2	
				.XXX			
LEE WEIDE	05-05-10		0879-2C6R-54_D.DWG				



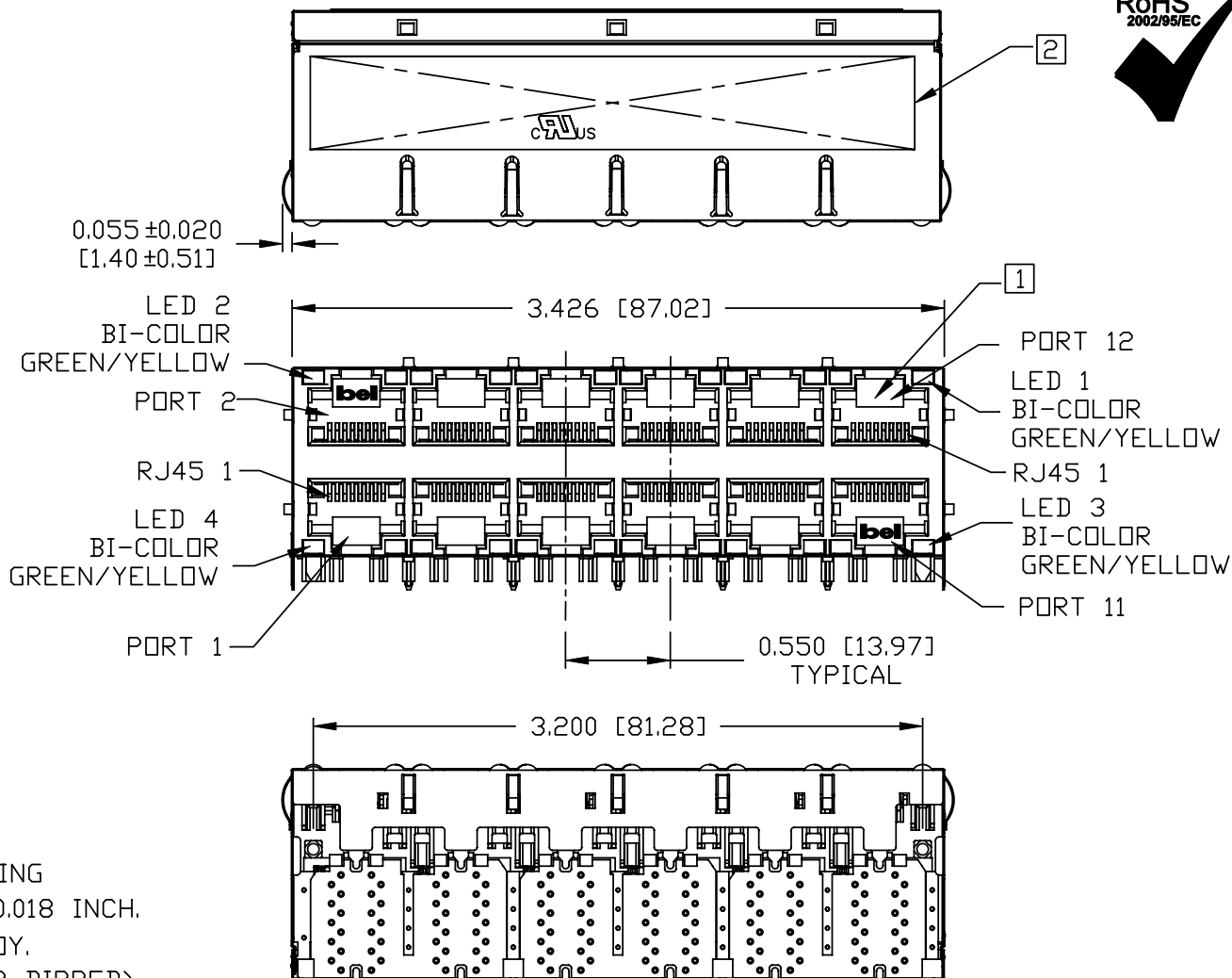
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NOTES:

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, DATE CODE AND PATENTED.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

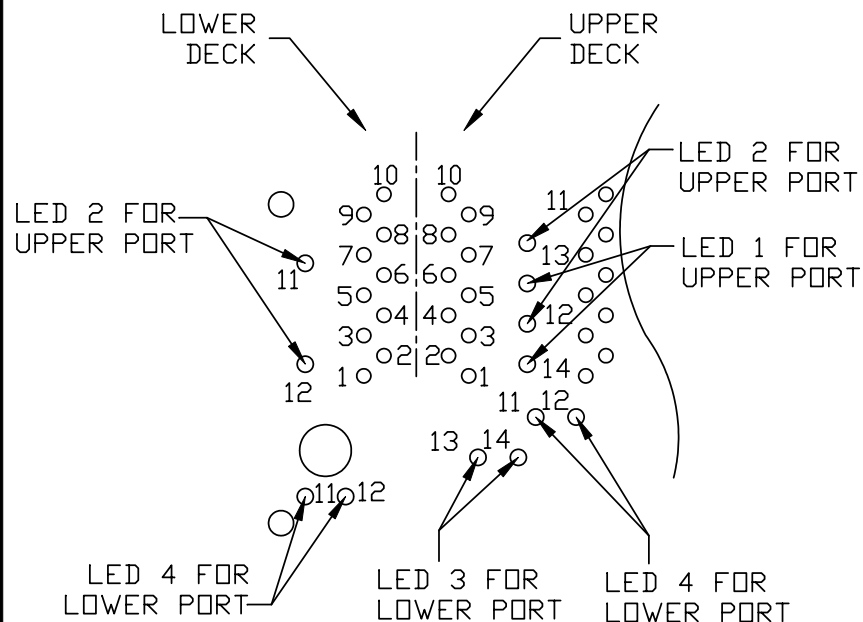


cULus UL RECOGNIZED - FILE #E196366 AND E169987.

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.

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CHEN BILL	05-05-10			.X		UNIT : INCH [mm]	REV. : D
DRAWN BY	DATE	2X6 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	0879-2C6R-54	FILE NAME		SCALE : N/A	SIZE : A4
XIAN JIAXIN	05-05-10			0879-2C6R-54_D.DWG			PAGE : 3
				.XX			
				.XXX	±0.010		

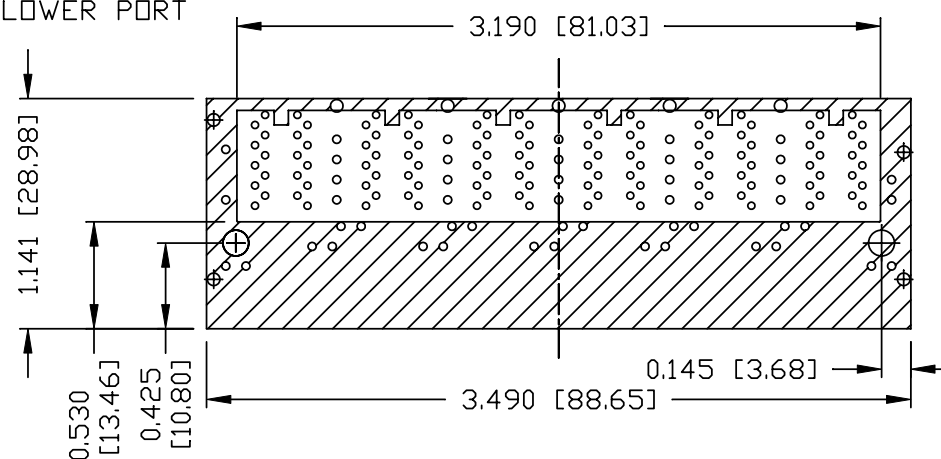
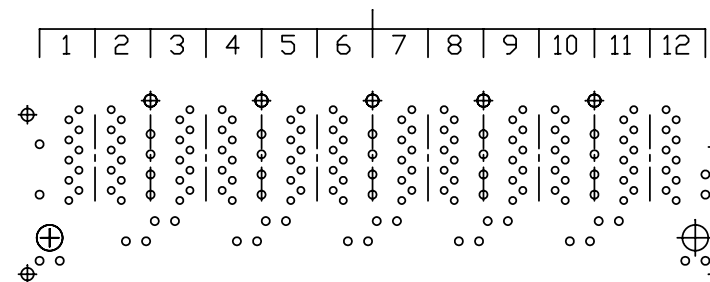




PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND
9	TRDCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

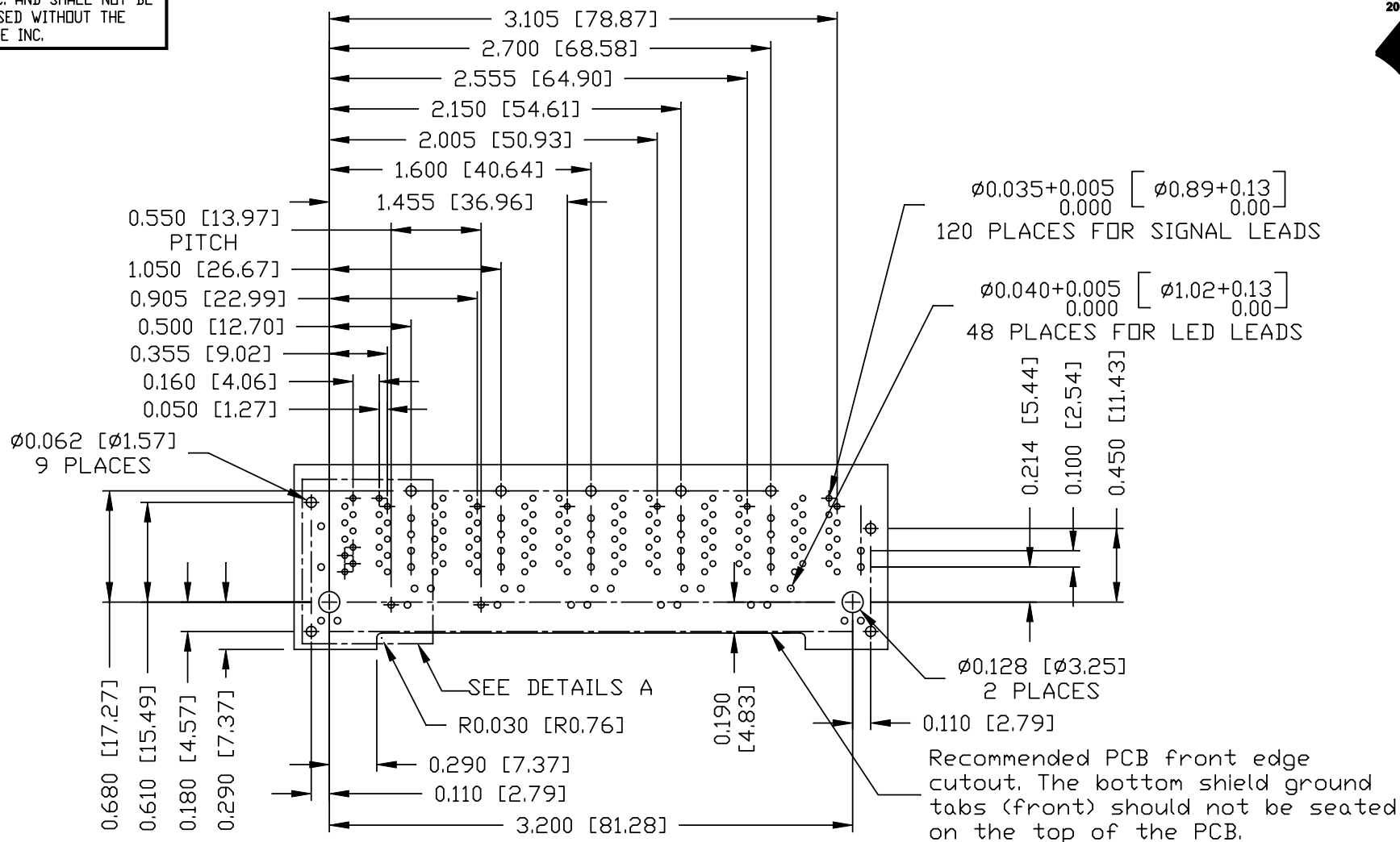
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

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DRAWN BY	DATE	PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	05-05-10		0879-2C6R-54_D.DWG	.XXX ±0.004	PAGE : 4

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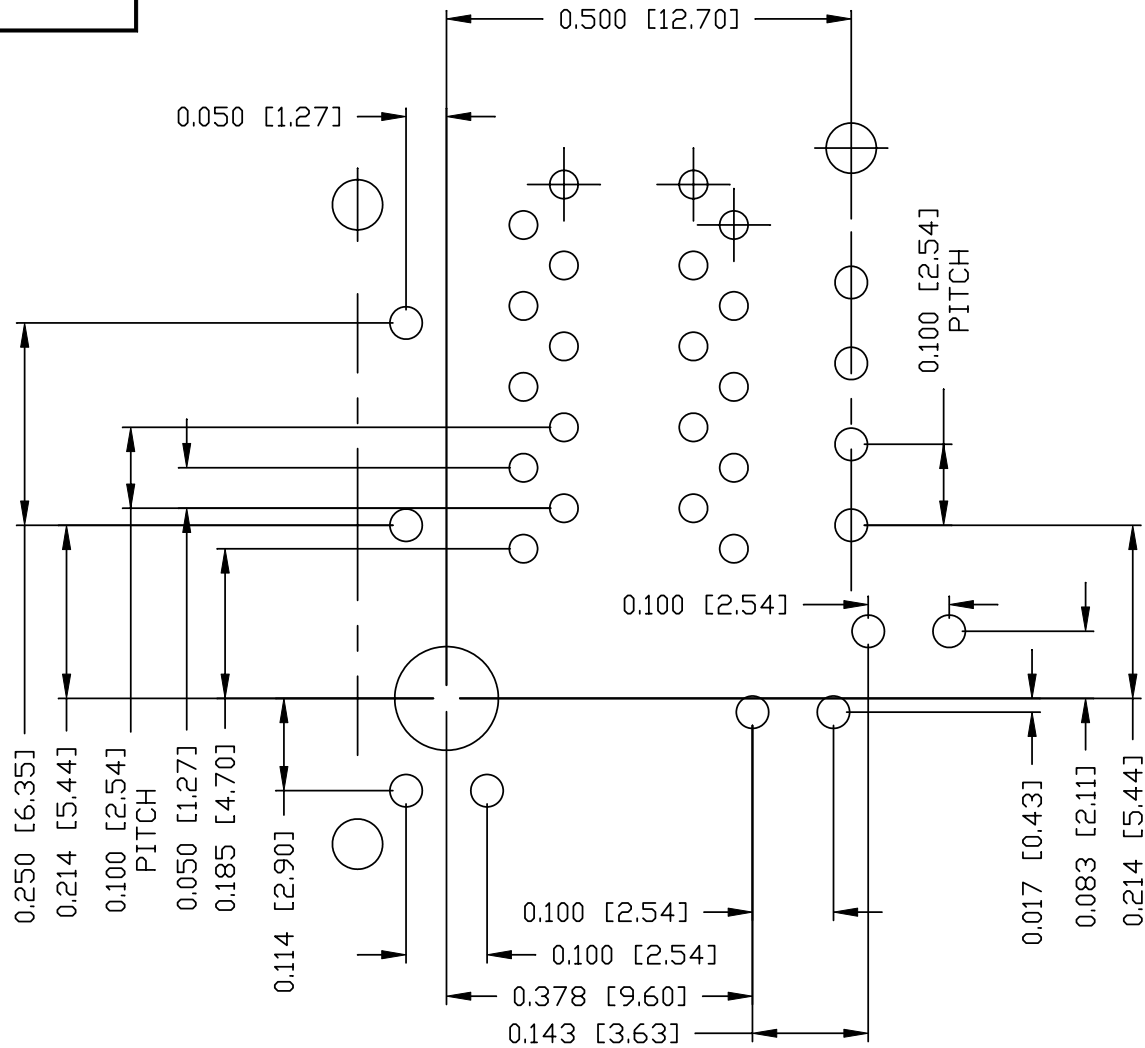


SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)




ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHEN BILL	05-05-10	2X6 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	0879-2C6R-54	TOL. IN INCH	UNIT : INCH [mm]	REV. : D
DRAWN BY	DATE			.X	SCALE : N/A	SIZE : A4
XIAN JIAXIN	05-05-10			.XX		PAGE : 5
				.XXX		



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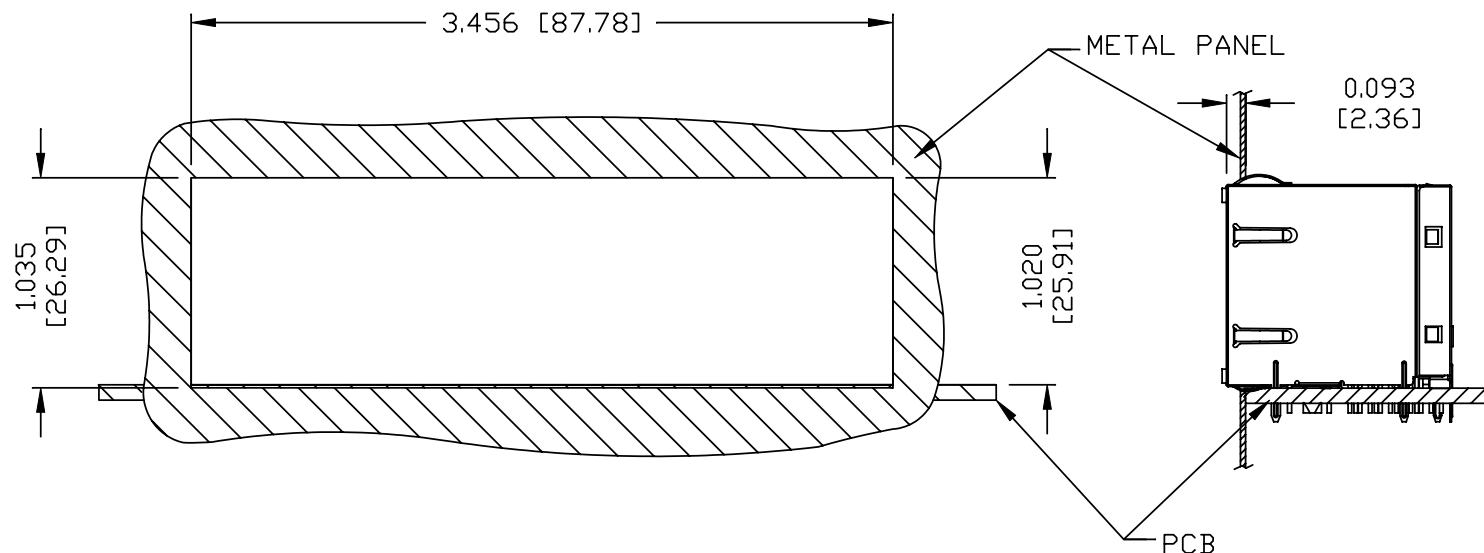
DETAILS A

ORIGINATED BY	DATE	TITLE 2X6 glgabit MagJack® WIHT UPPER AND LOWER LED (8 Cores)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 bel <small>COMPONENTS OR A CONNECTED PLANET</small>
CHEN BILL	05-05-10		0879-2C6R-54	TOL. IN INCH		UNIT : INCH [mm]	REV. : D	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	05-05-10		0879-2C6R-54_D.DWG	.XX			PAGE : 6	
		.XXX		±0.004				





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-P3 (TOP)
0200-9999-P4 (BOTTOM)

PACKING QUANTITY : 14 PCS FINISHED GOODS PER TRAY
7 TRAYS (98 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		FILE NAME		
XIAN JIAXIN	05-05-10		0879-2C6R-54_D.DWG	±0.004	

Mouser Electronics

Authorized Distributor

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

Bel:

[0879-2C6R-54](#)