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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

TURNS RATIO

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

OCL @ 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) @ 100OHMS ±15%

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):

RJ1-8 TO SHIELD	1500 Vrms
RJ1-8 TO PIN1-10	1500 Vrms
PIN1-14 TO SHIELD	800 VDC
HIPOT (Isolation Voltage):	1500 Vrms

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

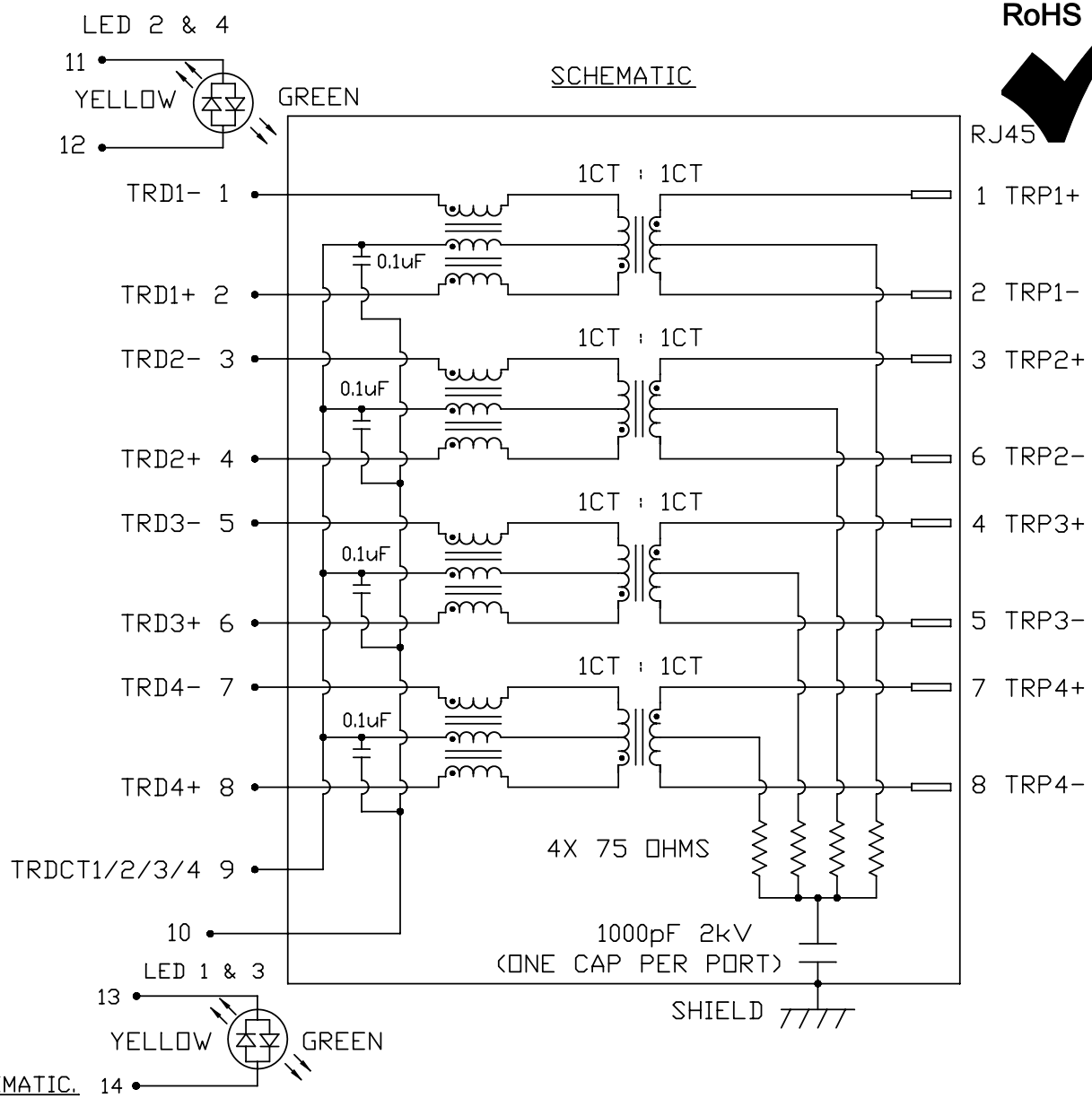
LEDS 1, 2, 3 AND 4

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.
OPERATING TEMPERATURE:	-40°C TO 85°C	

REMARK:

THIS SCHEMATIC IS DIFFERENT FROM BEL STANDARD SCHEMATIC.

SCHEMATIC



ORIGINATED BY: CHOW WANCHUNG — DATE: 2012-07-30	TITLE: 2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	PART NO. / DRAWING NO.: 0879-2C2R-Y4	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE	
DRAWN BY: TAN QIGUANG — DATE: 2012-07-30		FILE NAME: 0879-2C2R-Y4_D.DWG		UNIT : INCH [mm]	REV. : D
				SCALE : N/A	SIZE : A4
					PAGE : 2

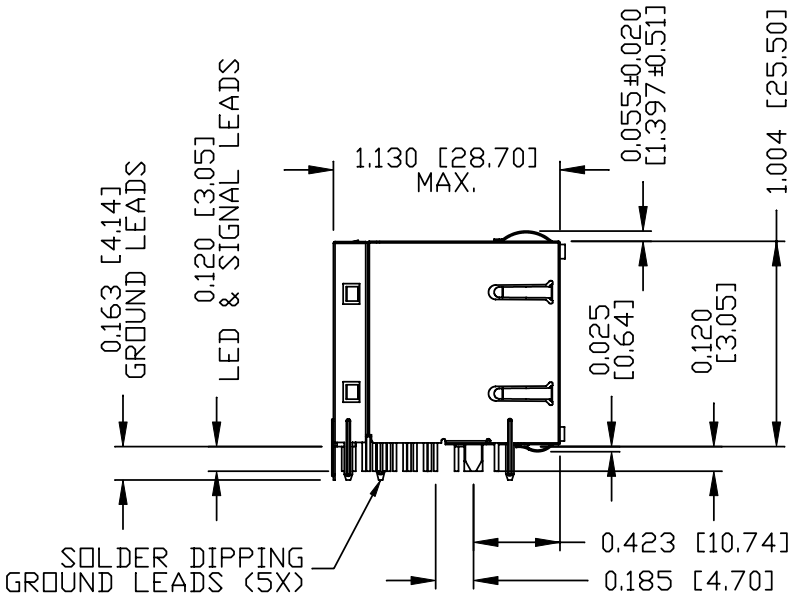
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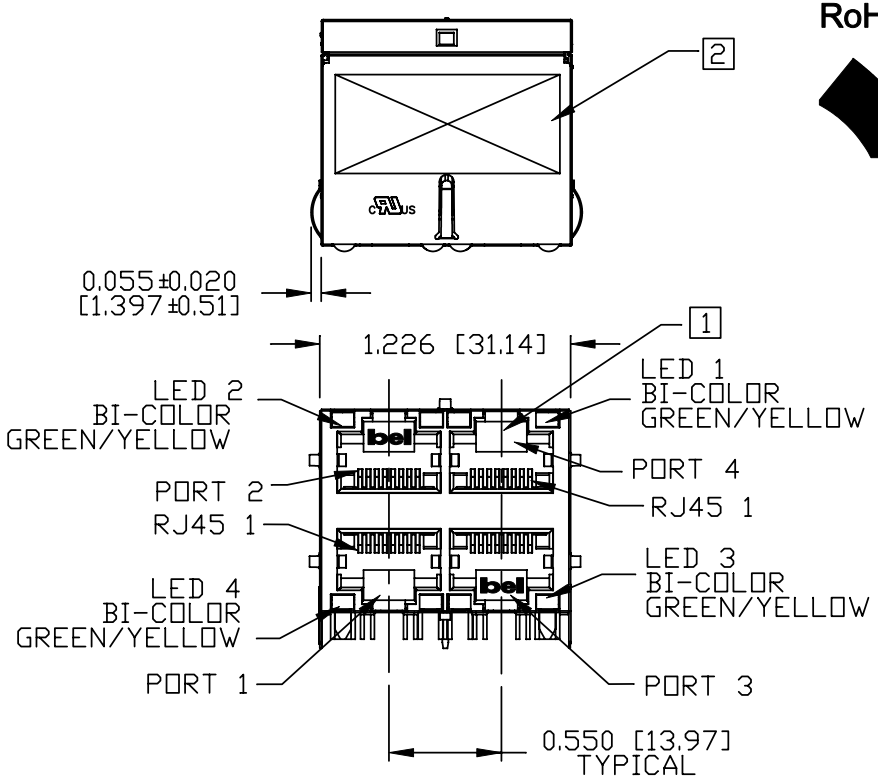
Please read our datasheet & drawing disclaimer here.

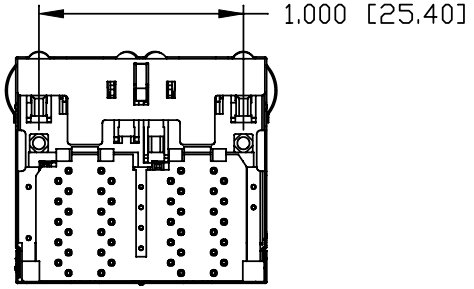
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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

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. THE PRODUCT IS RoHS COMPLIANT.
   cULusUL 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.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
ANTON LIAO	2012-07-30	2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	0879-2C2R-Y4	.X		UNIT : INCH [mm]	REV. : D
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
HE ZHEN	2012-07-30		0879-2C2R-Y4_D.DWG	.XXX	±0.010		PAGE : 3

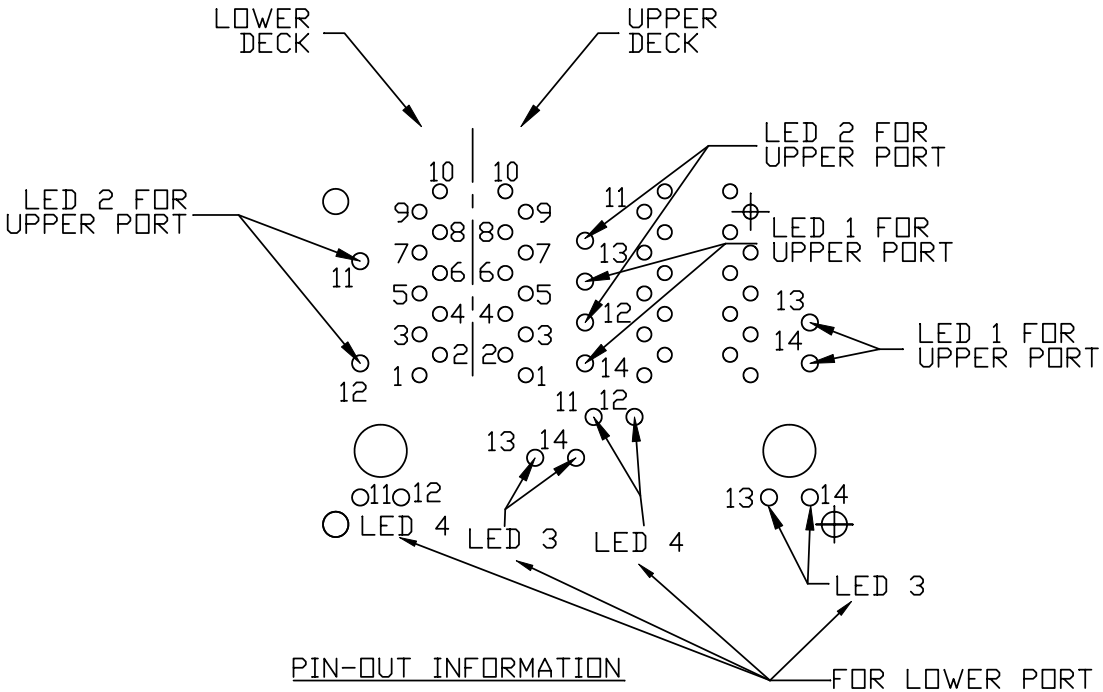
bel COMPONENTS FOR A CONNECTED PLANET

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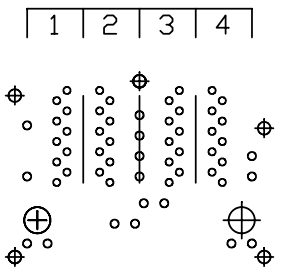
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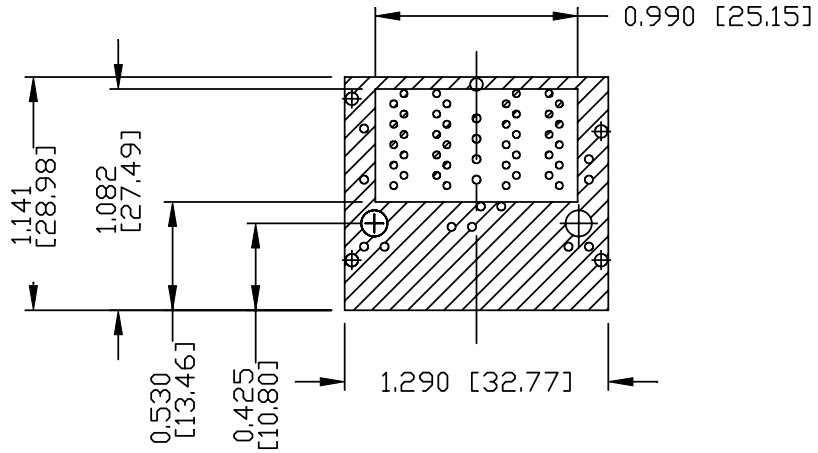


PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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: ANTON LIAO	DATE: 2012-07-30	TITLE: 2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	PART NO. / DRAWING NO.: 0879-2C2R-Y4	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: HE ZHEN	DATE: 2012-07-30		FILE NAME: 0879-2C2R-Y4_D.DWG		UNIT : INCH [mm] / REV. : D
					SCALE : N/A / SIZE : A4
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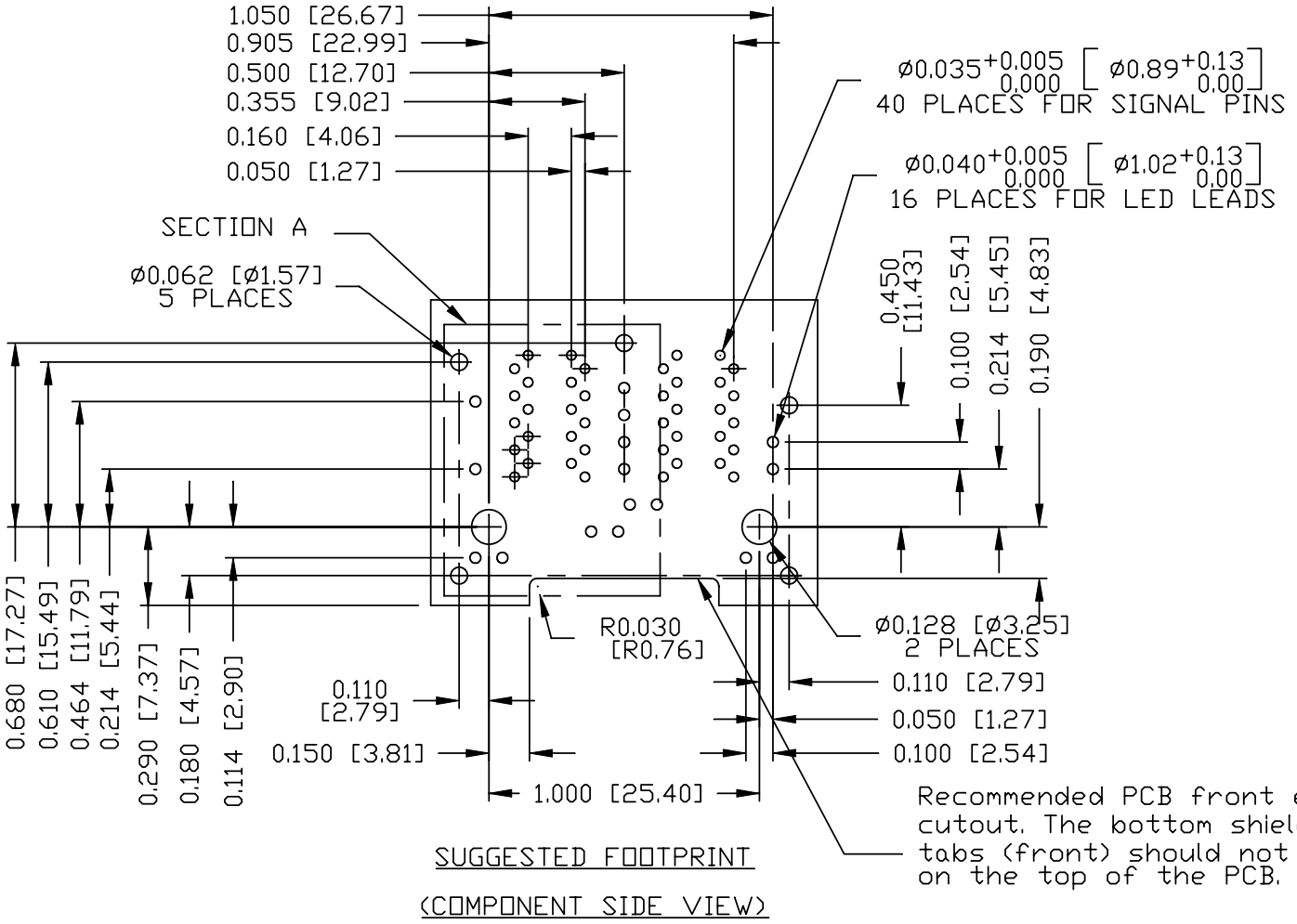
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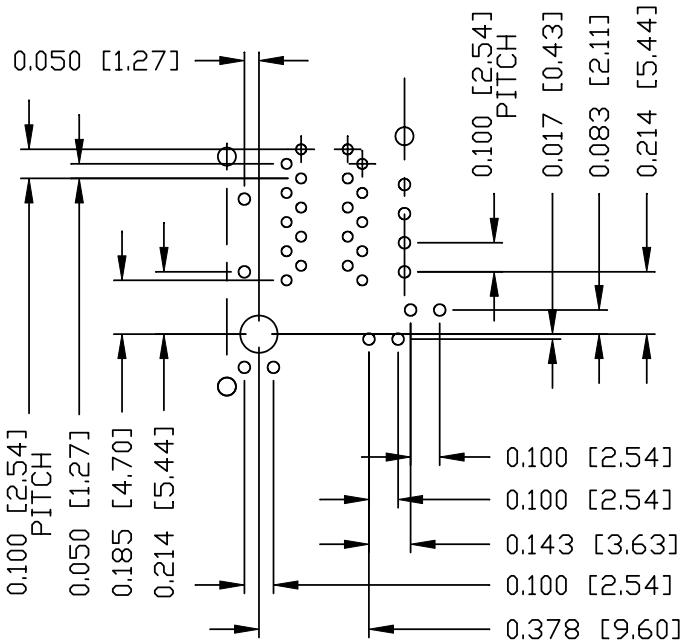
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SUGGESTED FOOTPRINT

(COMPONENT SIDE VIEW)



SECTION A

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DRAWN BY: HE ZHEN	DATE: 2012-07-30		FILE NAME: 0879-2C2R-Y4_D.DWG		UNIT : INCH [mm] REV. : D; SCALE : N/A SIZE : A4; PAGE : 5	

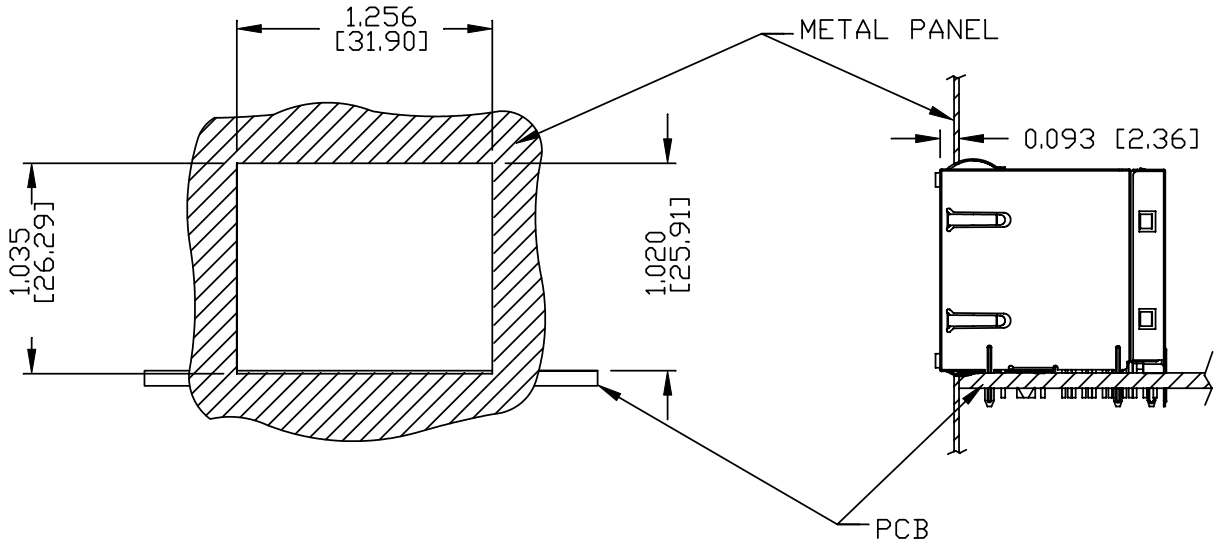
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SUGGESTED PANEL OPENING



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-P5 (TOP)
0200-9999-P6 (BOTTOM)

PACKING QUANTITY : 28 PCS FINISHED GOODS PER TRAY
7 TRAYS (196 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: ANTON LIAO	DATE: 2012-07-30	TITLE: 2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) PATENTED	PART NO. / DRAWING NO.: 0879-2C2R-Y4	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
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