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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

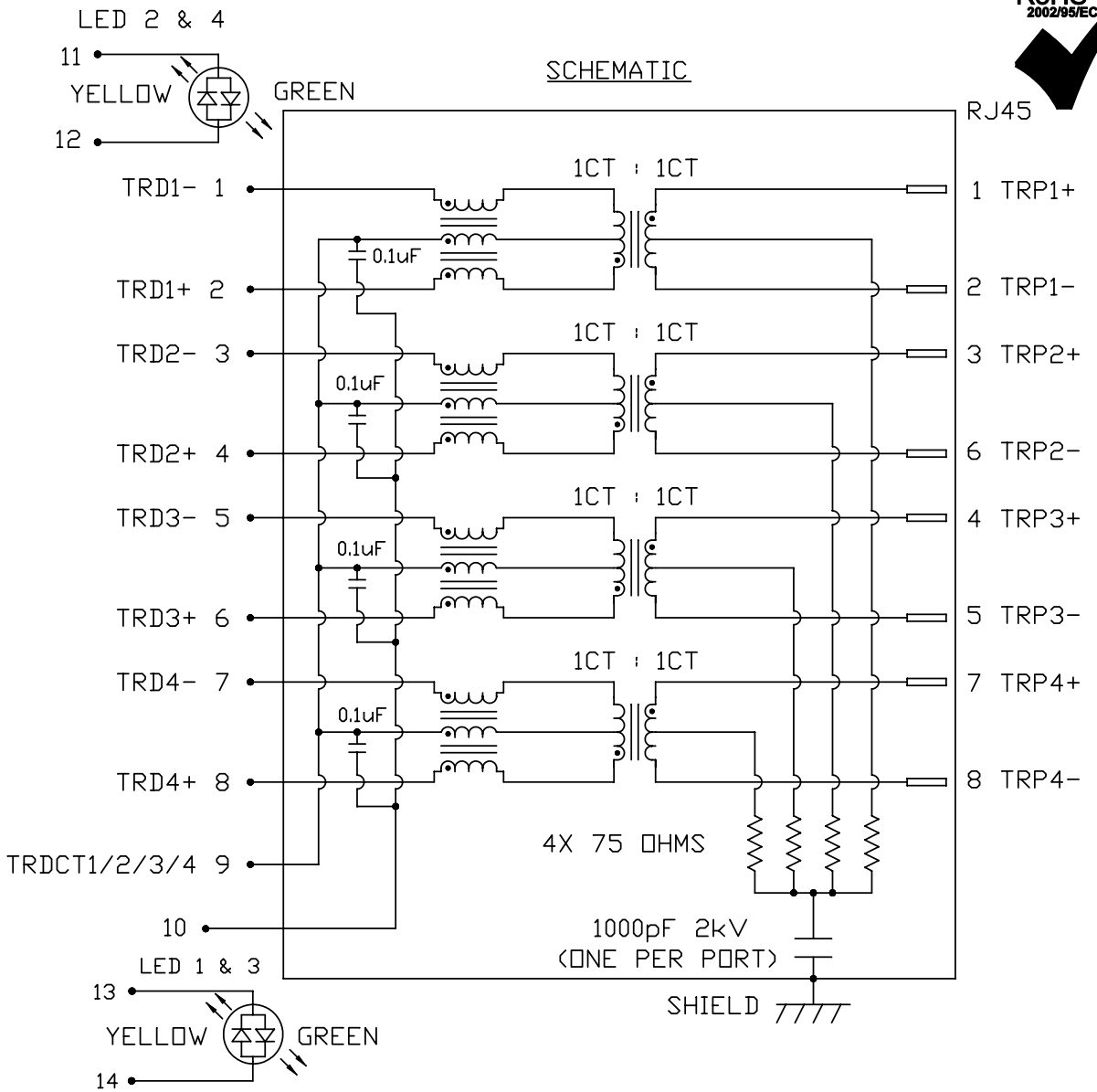
HIPOT (Isolation Voltage):

RJ1-8 TO SHIELD	1500 Vrms
RJ1-8 TO PIN1-10	1500 Vrms
PIN1-14 TO SHIELD	800 VDC

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		



ORIGINATED BY: CHOW WANCHUNG	DATE: 06-08-10	TITLE: 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) (Extended Temperature)	PART NO. / DRAWING NO.: 0879-2C1R-DA	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: WEIDE LEE	DATE: 06-08-10		FILE NAME: 0879-2C1R-DA_A.DWG		UNIT : INCH [mm] / SCALE : N/A / REV. : A / SIZE : A4 / PAGE : 2

bel — COMPONENTS FOR A CONNECTED PLANET

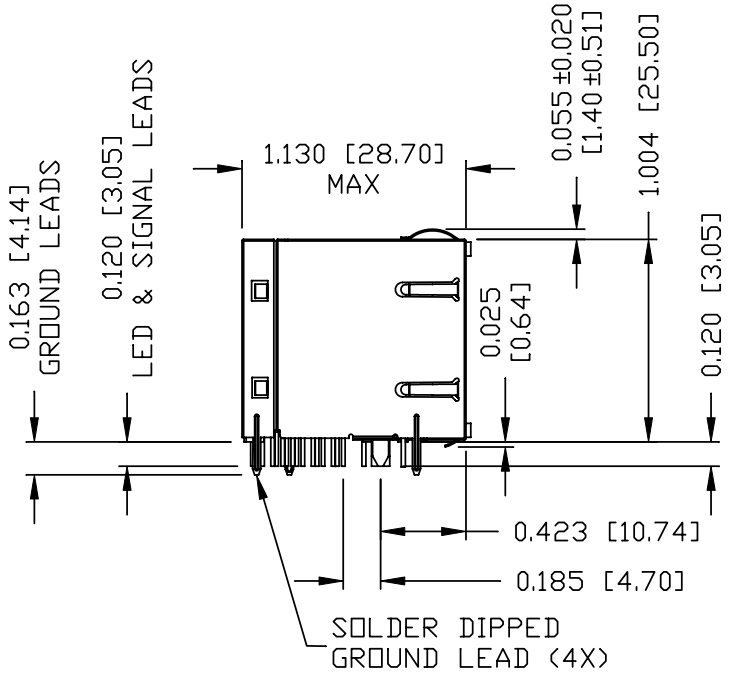
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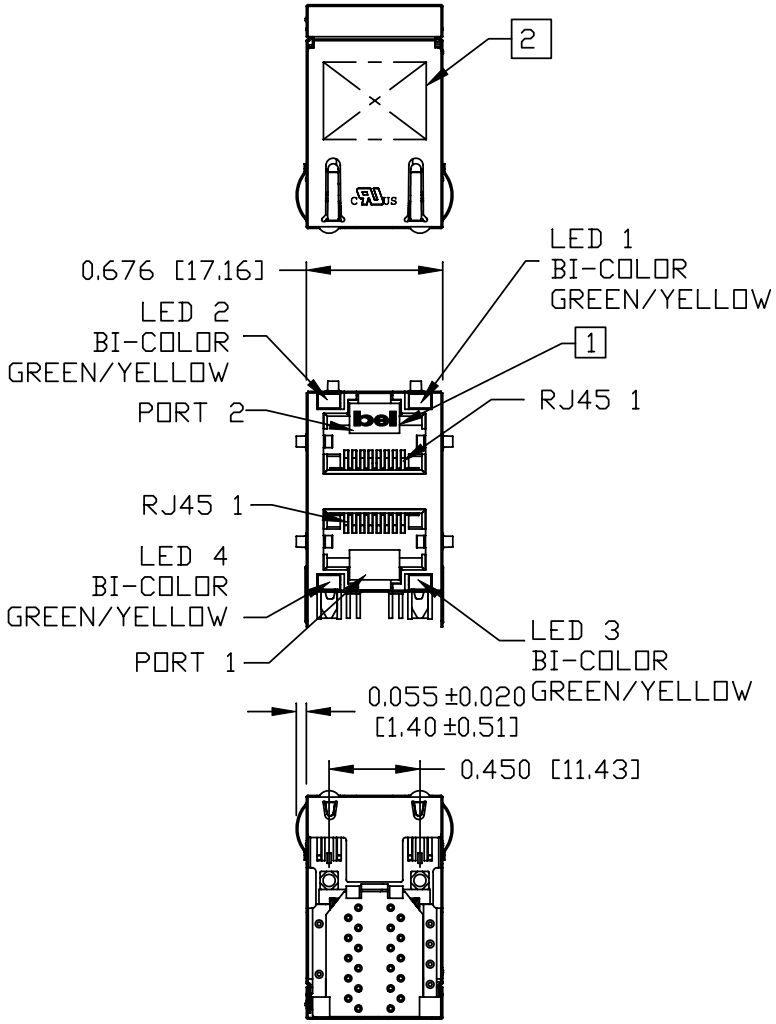
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Please read our datasheet & drawing disclaimer here.

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NOTES:

PLASTIC HOUSING:	THERMOPLASTIC PBT FLAMMABILITY RATING UL 94V-0
CONTACT PLATING:	50 MICRO-INCH HARD GOLD PLATING
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, PART NUMBER, DATE CODE, MFG NAME AND PATENTED.
3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
   c UL us UL RECOGNIZED - FILE #E196366 AND E169987.
4. THE PRODUCT IS PATENT PRODUCT. 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	06-08-10	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) (Extended Temperature)	0879-2C1R-DA	.X .XX .XXX ±0.010	UNIT : INCH [mm] REV. : A SCALE : N/A SIZE : A4 PAGE : 3
DRAWN BY	DATE		FILE NAME		
SHAWN FENG	06-08-10		0879-2C1R-DA_A.DWG		

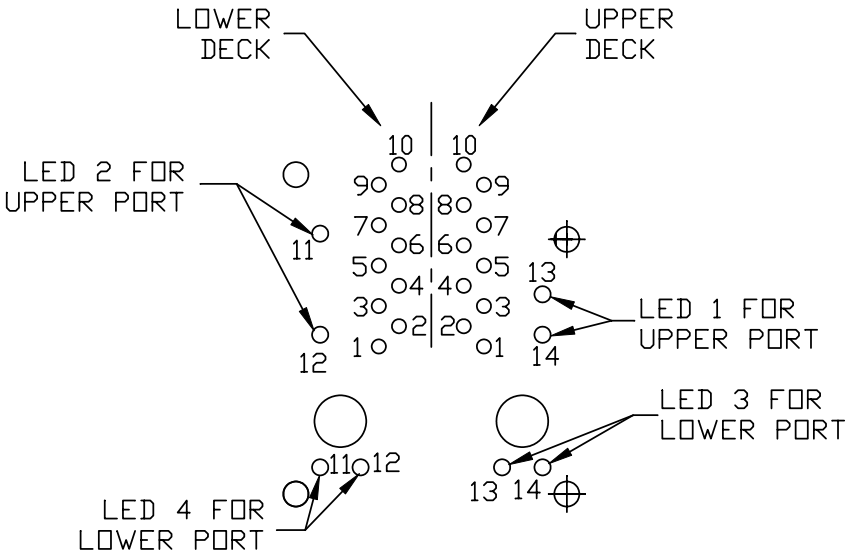
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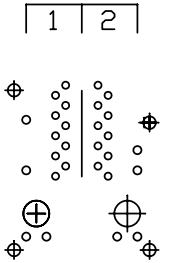
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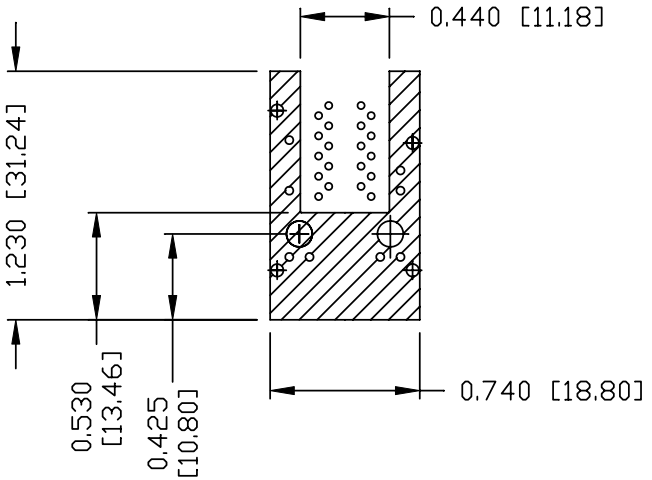


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	YEL (+)/GRN (-)
13	YEL (-)/GRN (+)
12	YEL (+)/GRN (-)
11	YEL (-)/GRN (+)
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-



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

ORIGINATED BY: ANTON LIAO	DATE: 06-08-10	TITLE: 2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) (Extended Temperature)	PART NO. / DRAWING NO.: 0879-2C1R-DA	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: SHAWN FENG	DATE: 06-08-10		FILE NAME: 0879-2C1R-DA_A.DWG		UNIT : INCH [mm] REV. : A SCALE : N/A SIZE : A4 PAGE : 4

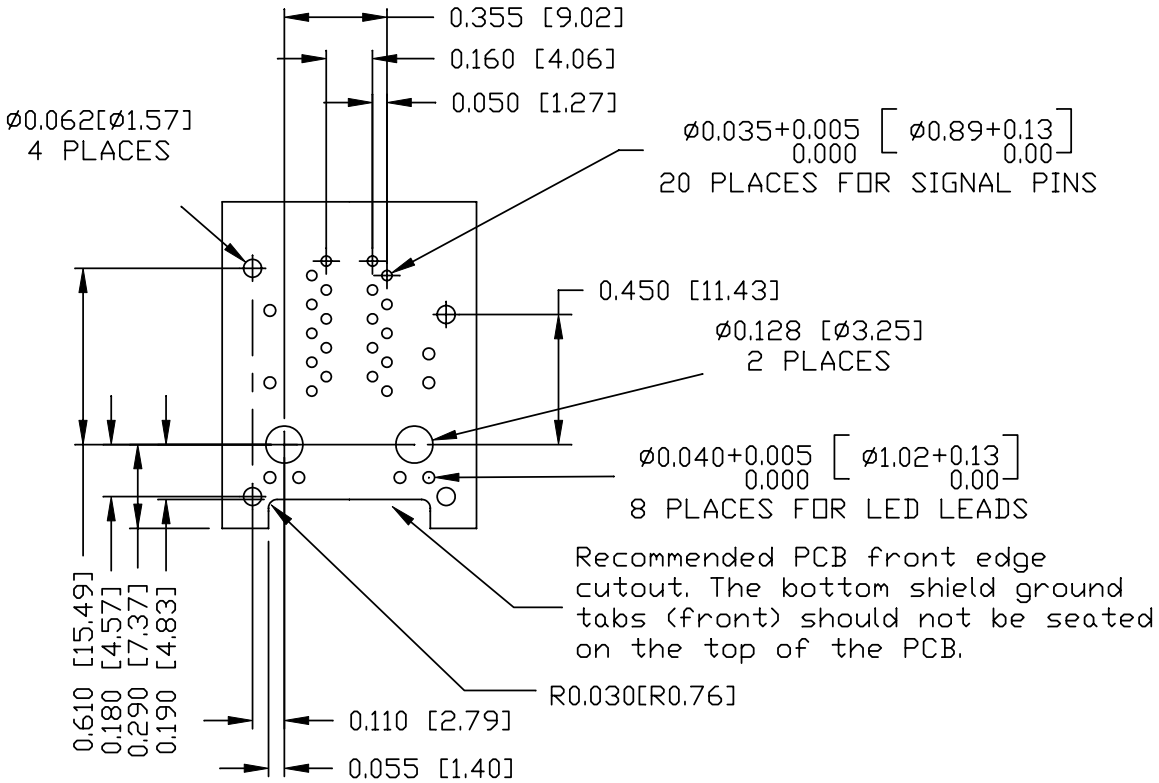
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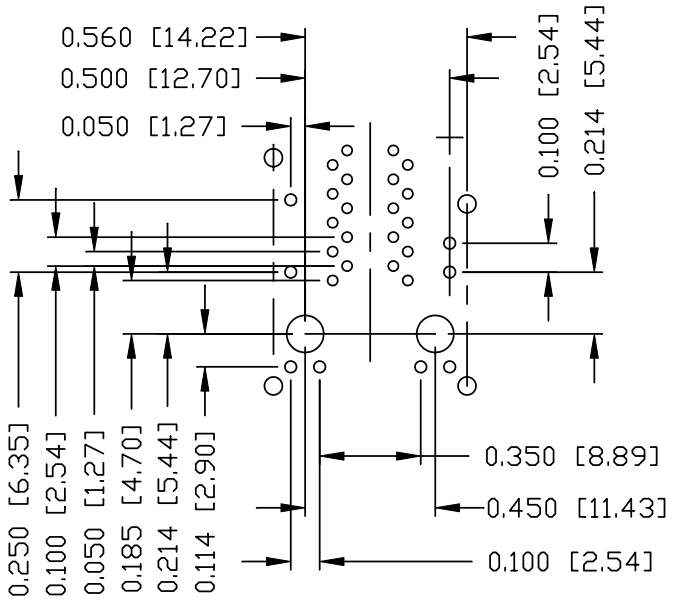
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SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)



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ANTON LIAO	06-08-10	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores) (Extended Temperature)	0879-2C1R-DA	.X		UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
SHAWN FENG	06-08-10		0879-2C1R-DA_A.DWG	.XXX	±0.004		PAGE : 5

bel COMPONENTS FOR A CONNECTED PLANET

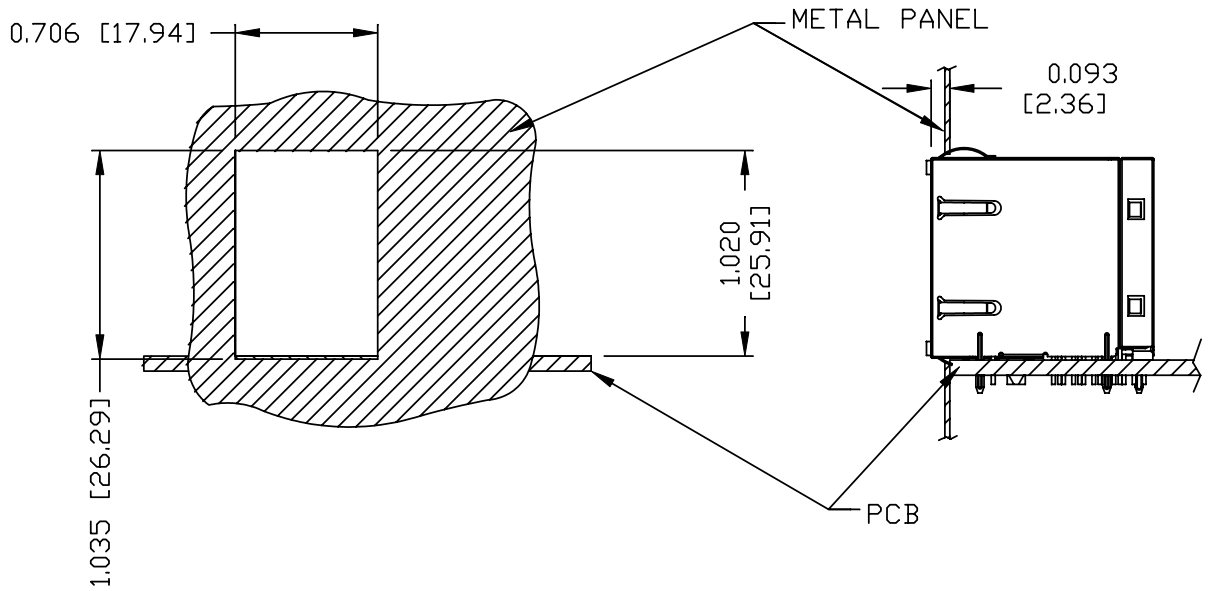
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SUGGESTED PANEL OPENING



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-P8 (TOP)
0200-9999-P9 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
7 TRAYS (280 PCS FINISHED GOODS) PER CARTON BOX

REMARK : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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