

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
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WRITTEN APPROVAL OF BEL FUSE INC.

LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	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) @ 100ΩHMS ±15%

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 REQUIREMENTS

LEDS 1, 2, 3 AND 4

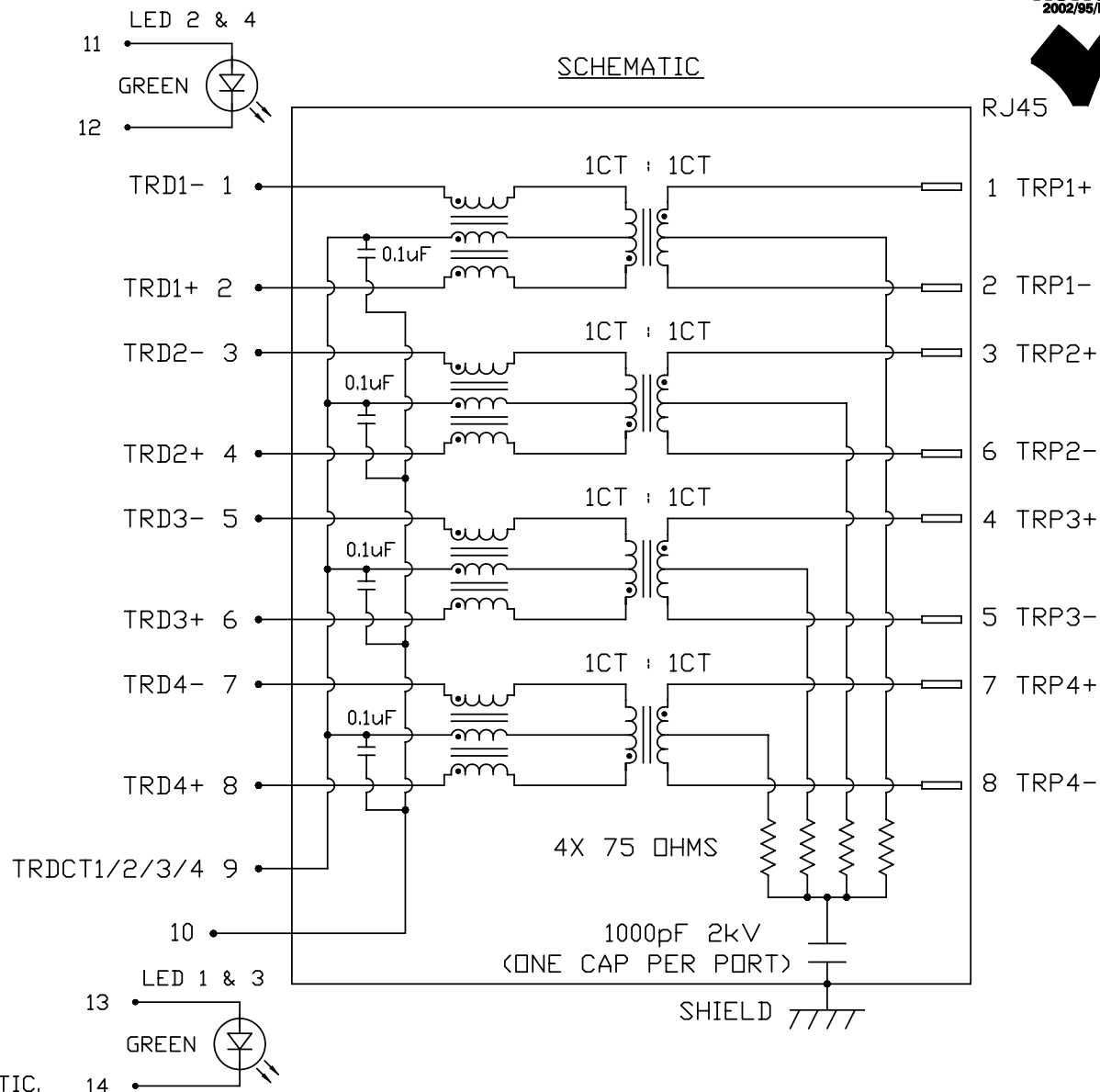
V_F (FORWARD VOLTAGE) IF=20mA GREEN

λ_D (DOMINANT WAVELENGTH) IF=20mA GREEN 2.2V TYP.

OPERATING TEMPERATURE: -40°C TO 85°C 565nm TYP.

REMARK:

THIS SCHEMATIC IS DIFFERENT FROM BEL STANDARD SCHEMATIC.



ORIGINATED BY DATE
CHOW WANGCHUNG 09-17-09

DRAWN BY DATE
LEE WEIDE 09-17-09

TITLE
2X2 gigabit MagJack®
WITH UPPER AND LOWER LED
(8 Cores, Extend Temp.)
PATENTED

PART NO. / DRAWING NO.
0879-2G2R-Y4

FILE NAME
0879-2G2R-Y4_A.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

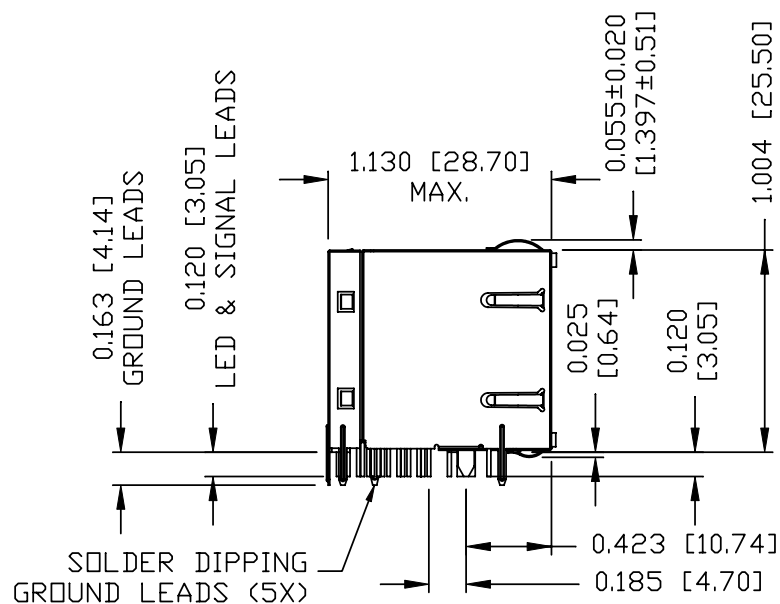
UNIT : INCH [mm] REV. : A

SCALE : N/A SIZE : A4

PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

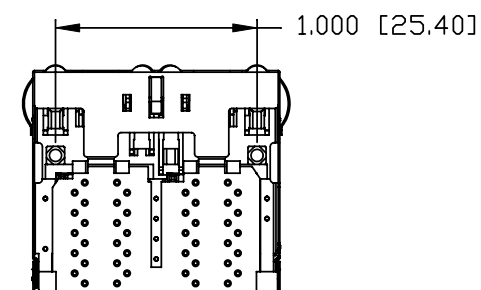
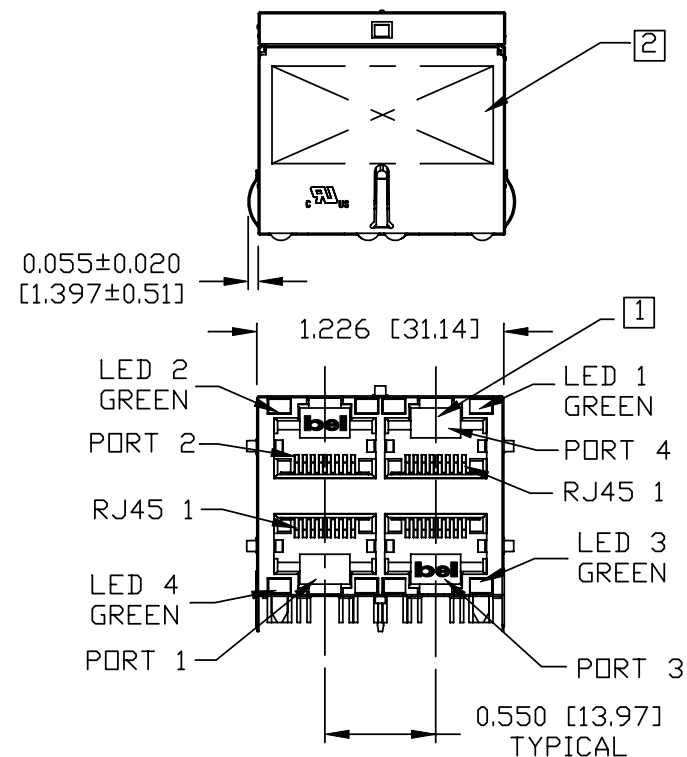
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NOTES:

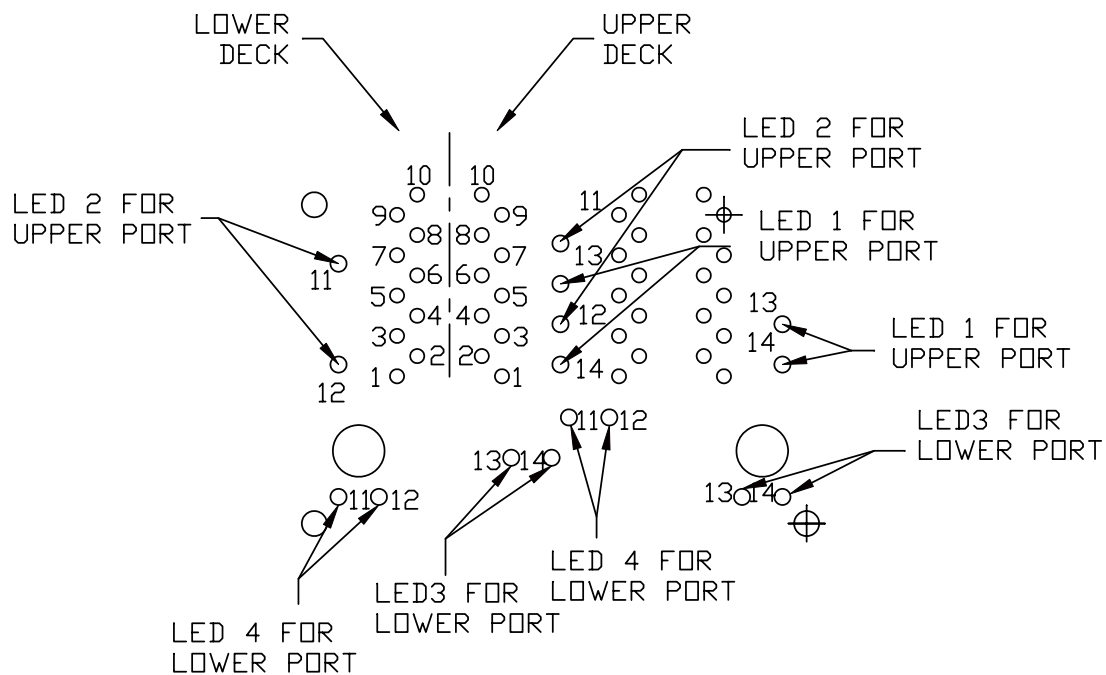
PLASTIC HOUSING: THERMOPLASTIC PBT
 FLAMMABILITY RATING UL 94V-0
 CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
 OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
 (ALL GROUND LEADS ARE SOLDER DIPPED)

- [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.
-  UL RECOGNIZED - FILE #E196366 AND E169987.
4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A
LIU QIN	09-17-09	2X2 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores, Extend Temp.) PATENTED	0879-2G2R-Y4	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
XIAN JIAXIN	09-17-09		0879-2G2R-Y4_A.DWG	.XXX	±0.010		

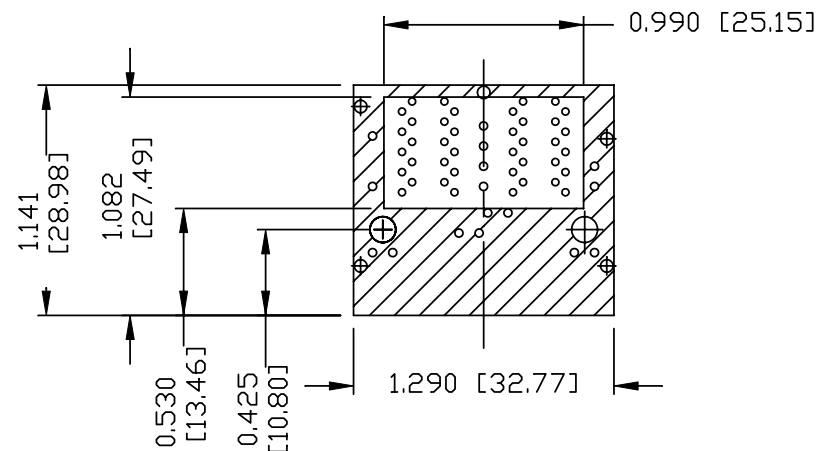
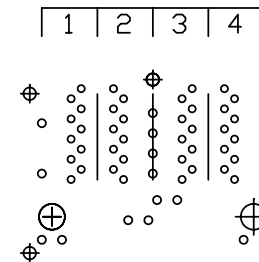




PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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.

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LIU QIN

DATE
09-17-09

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WITH UPPER AND LOWER LED
(8 Cores, Extend Temp.)
PATENTED

PART NO. / DRAWING NO.
0879-2G2R-Y4

FILE NAME
0879-2G2R-Y4_A.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX
±0.004

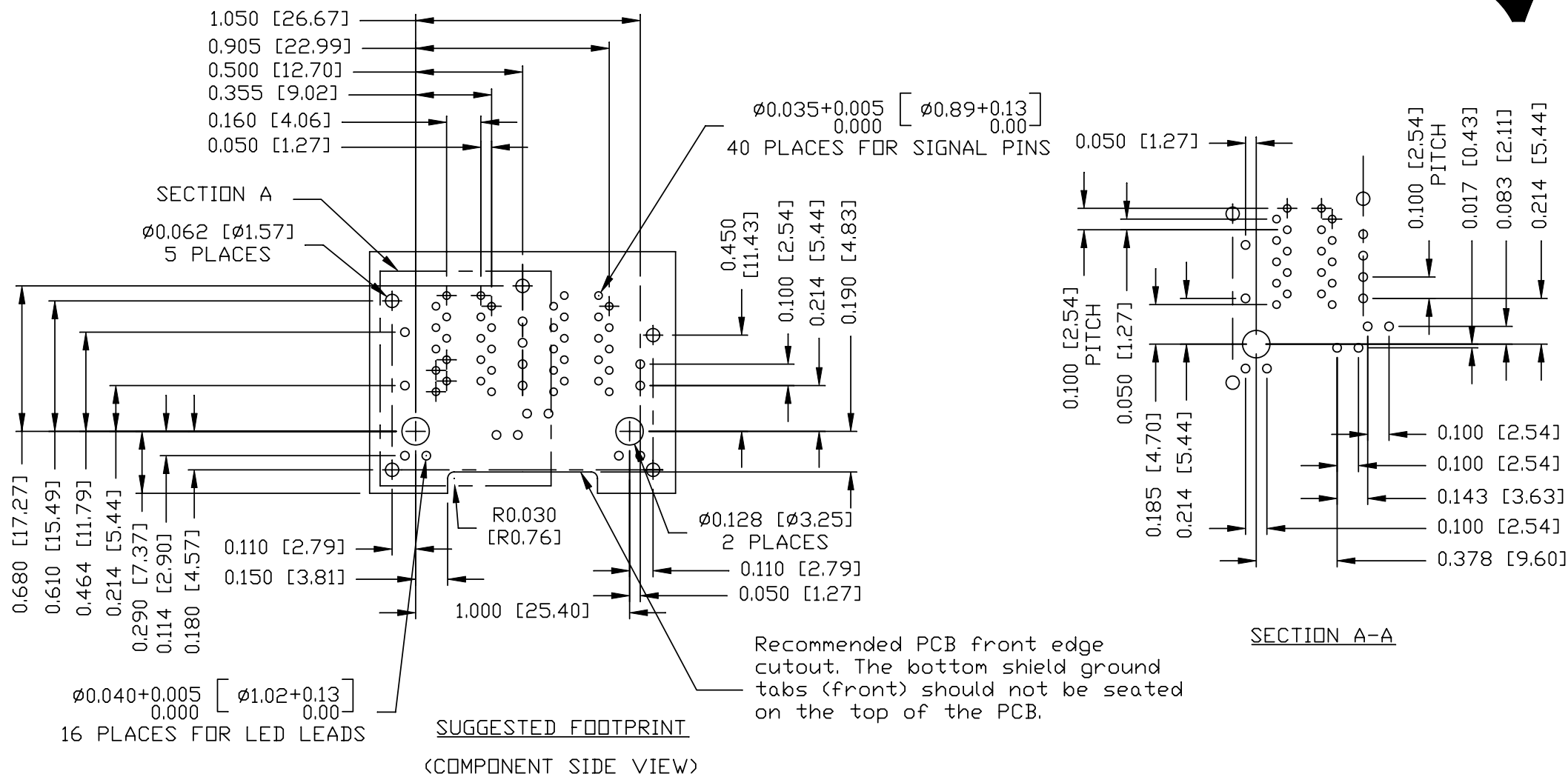
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UNIT : INCH [mm] REV. : A

SCALE : N/A SIZE : A4

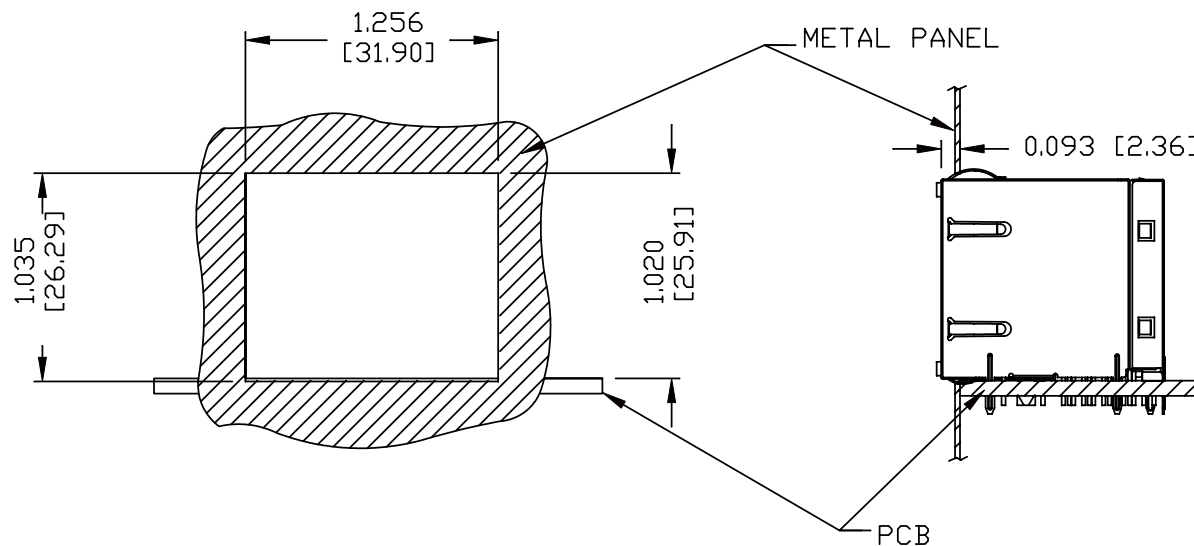
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bel
COMPONENTS FOR A
CONNECTED
PLANET



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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	09-17-09		0879-2G2R-Y4_A.DWG	.XXX ±0.004	PAGE : 5

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)

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DRAWN BY	DATE			.XX			PAGE : 6	
XIAN JIAXIN	09-17-09			.XXX	±0.004			