



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

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

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

□CL @ 100kHz/100mVRMS

8mA DC BIAS

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):

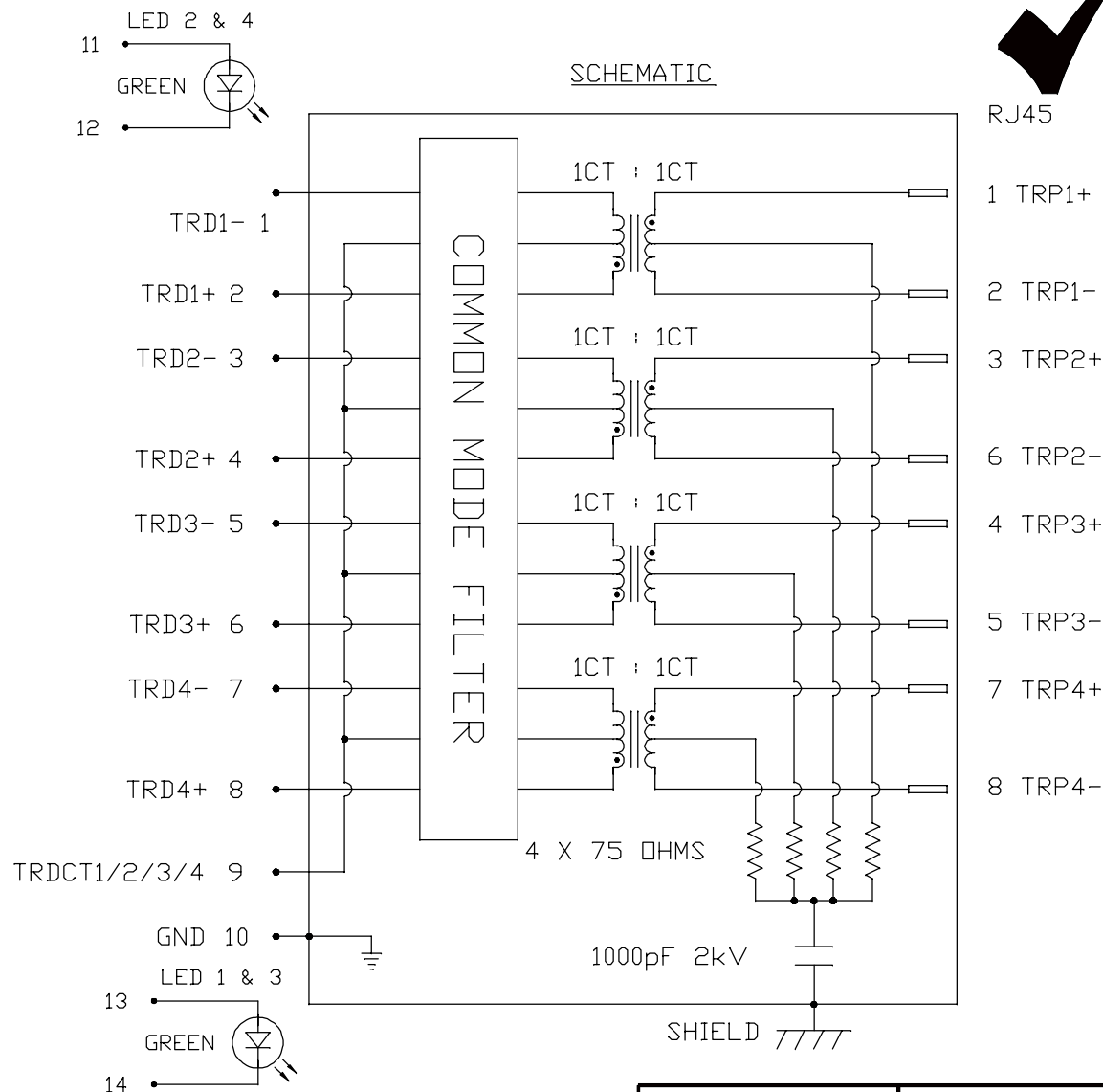
1500 V_{rms}

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.

λ_D (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.



ORIGINATED BY
CHOW WANCHUNG
DATE 2016-04-15

TITLE	2X4 gigabit MagJack® WITH UPPER AND LOWER LED (8 Cores)
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PART NO. / DRAWING NO.
0879-2G4R-54

FILE NAME
0879-2G4R-54_D.DWG

STANDARD DIM.		TOL. IN INCH	
1	1.00	±0.005	
2	1.00	±0.005	
3	1.00	±0.005	
4	1.00	±0.005	
5	1.00	±0.005	
6	1.00	±0.005	
7	1.00	±0.005	
8	1.00	±0.005	
9	1.00	±0.005	
10	1.00	±0.005	
11	1.00	±0.005	
12	1.00	±0.005	
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14	1.00	±0.005	
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16	1.00	±0.005	
17	1.00	±0.005	
18	1.00	±0.005	
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20	1.00	±0.005	
21	1.00	±0.005	
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23	1.00	±0.005	
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87	1.00	±0.005	
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89	1.00	±0.005	
90	1.00	±0.005	
91	1.00	±0.005	
92	1.00	±0.005	
93	1.00	±0.005	
94	1.00	±0.005	
95	1.00	±0.005	
96	1.00	±0.005	
97	1.00		

.X

xy

100

[] METRIC DIM.
AS REF.

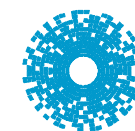
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SCALE : N/A

	SIZE : A4
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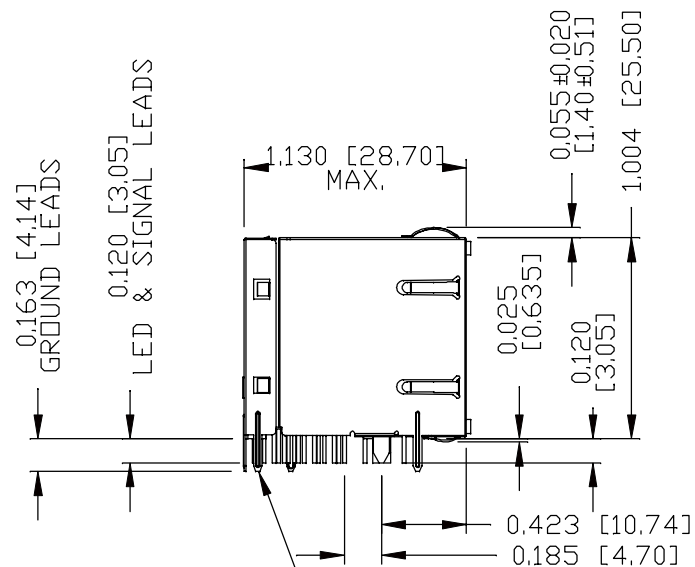
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PAGE : 2



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NOTES:

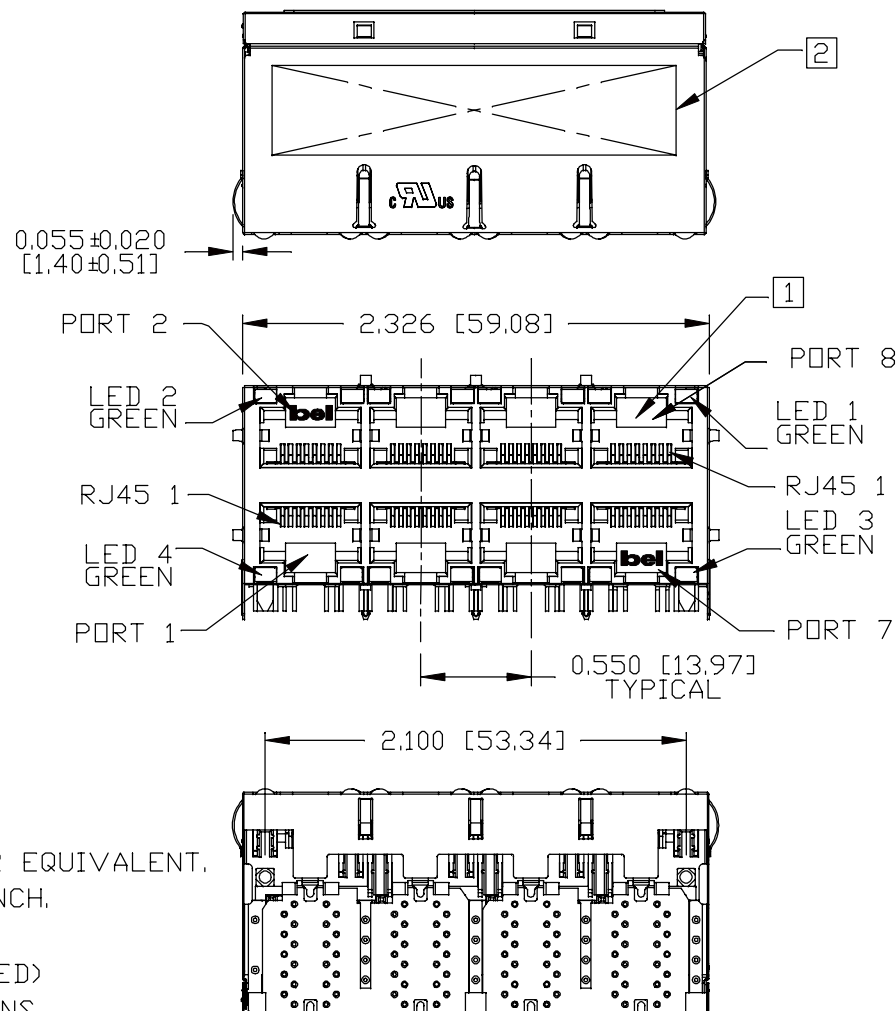
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

[1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

[2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

3. THE PRODUCT IS RoHS COMPLIANT.

cULus UL RECOGNIZED - FILE #E196366 AND E169987.



4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY
SANDY LIN
DATE 2016-04-15

DRAWN BY
XUE RIPING
DATE 2016-04-15

TITLE
2X4 gigabit MagJack®
WITH UPPER AND LOWER LED
(8 Cores)

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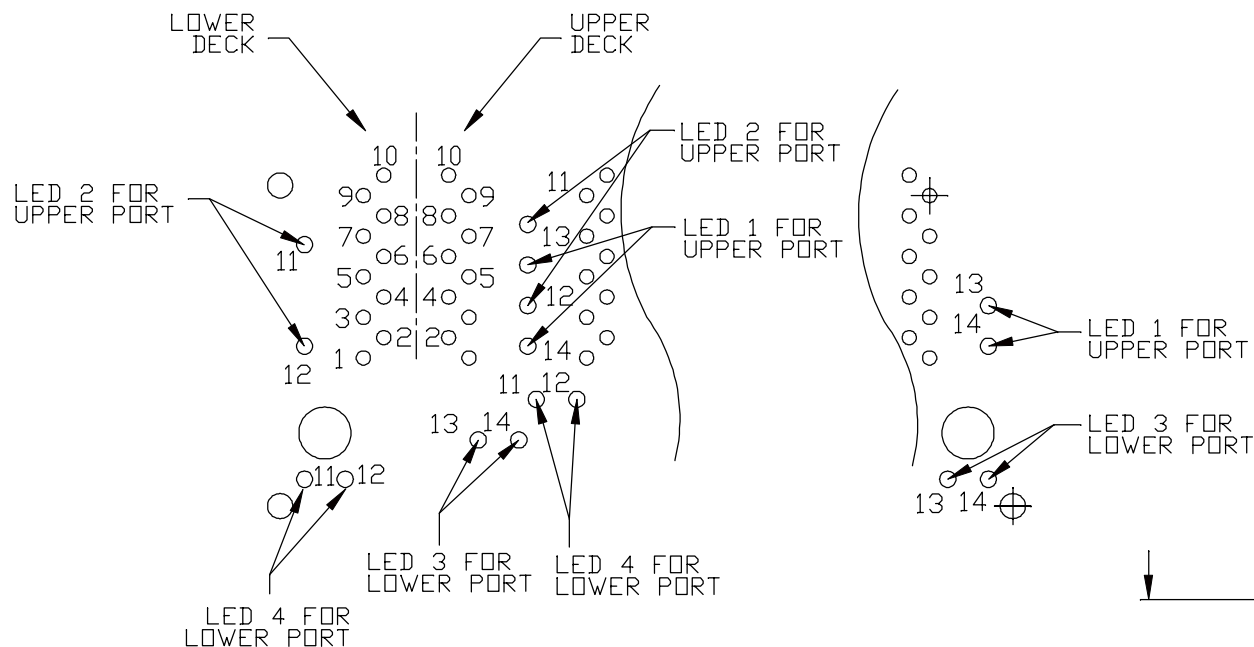
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.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	SIZE : A4

REV. : D PAGE : 3



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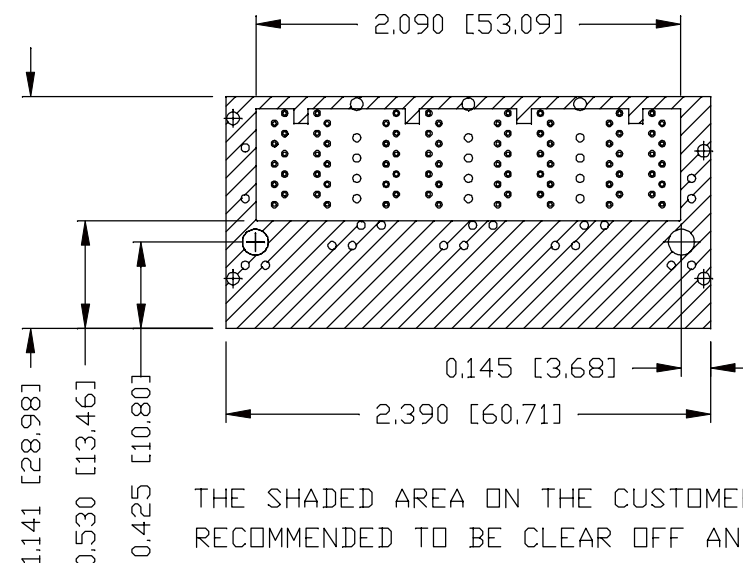
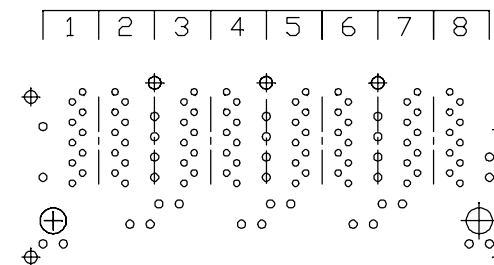
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PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND		
9	TRDCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+		
5	TRD 3-		
4	TRD 2+	14	GREEN (-)
3	TRD 2-	13	GREEN (+)
2	TRD 1+	12	GREEN (-)
1	TRD 1-	11	GREEN (+)

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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STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

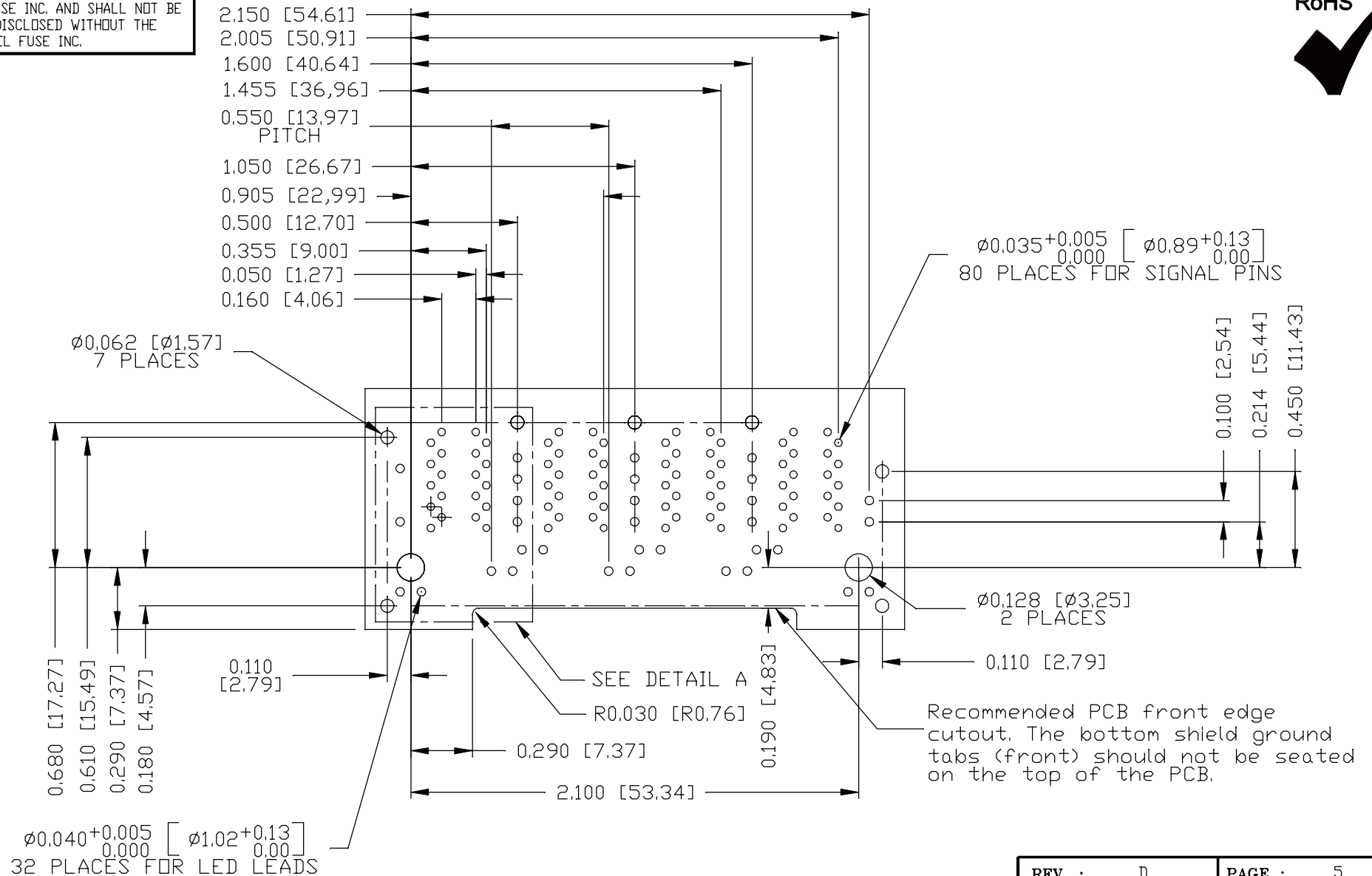
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TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

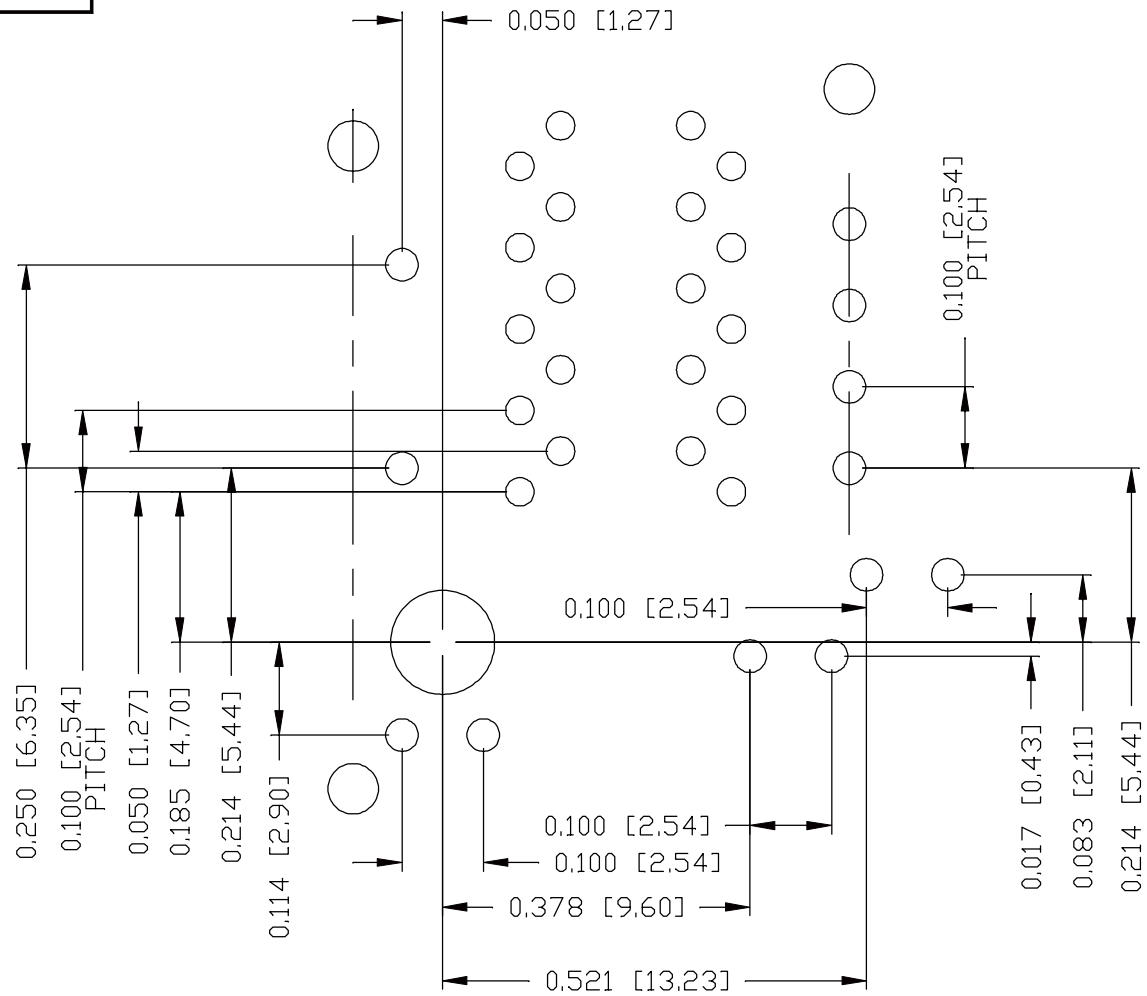
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DETAIL A

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DATE 2016-04-15

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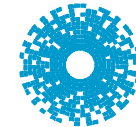
STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
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SIZE : A4

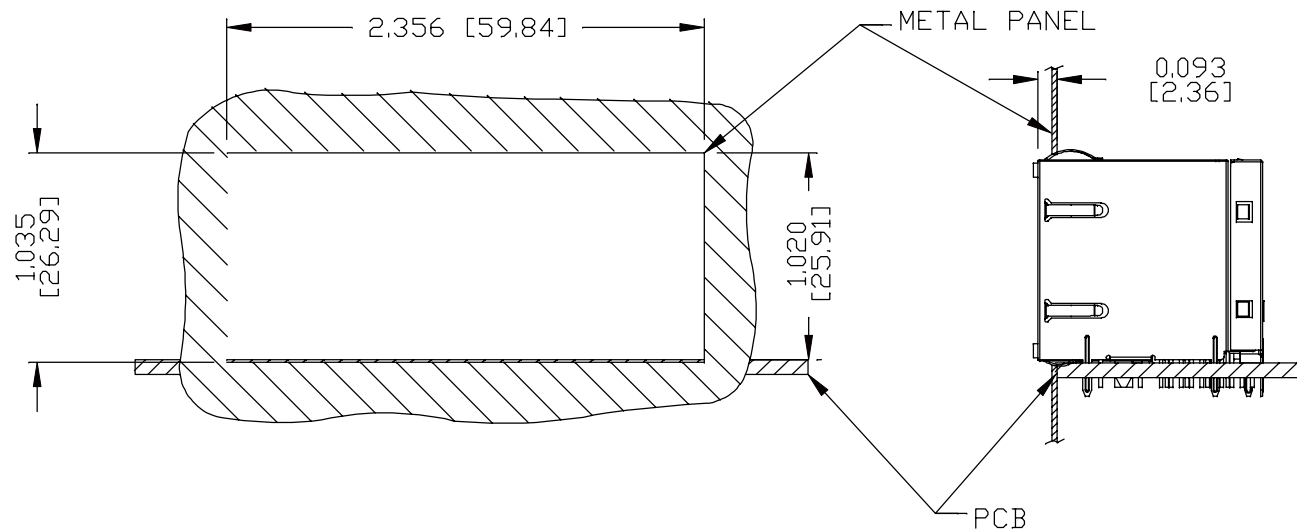
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SUGGESTED PANEL OPENING



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-Q1 (TOP)
0200-9999-Q2 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY
7 TRAYS (140 PCS FINISHED GOODS) PER CARTON BOX

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

REV. : D PAGE : 7

ORIGINATED BY
SANDY LIN
DATE 2016-04-15

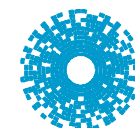
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STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.004	SIZE : A4



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