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ELECTRICAL CHARACTERISTICS @ 25°C

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

QCL @ 100kHz/100mVRMS
FOR CHANNEL 1 AND CHANNEL 2
11mA DC BIAS 350 μ H MIN.
Compliant to IEEE 802.3at specification
FOR CHANNEL 3 AND CHANNEL 4
8mA DC BIAS 350 μ H 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) @ 100 Ω MS $\pm 5\%$

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): 2250 VDC

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

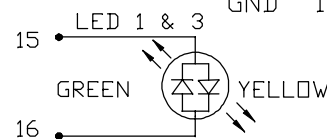
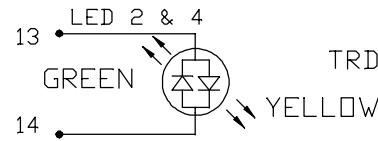
BALANCED DC LINE CURRENT 600mA MAX. CONTINUOUS

LED 1 & 2 & 3 & 4 1.2A MAX. FOR 200 MILLISECONDS

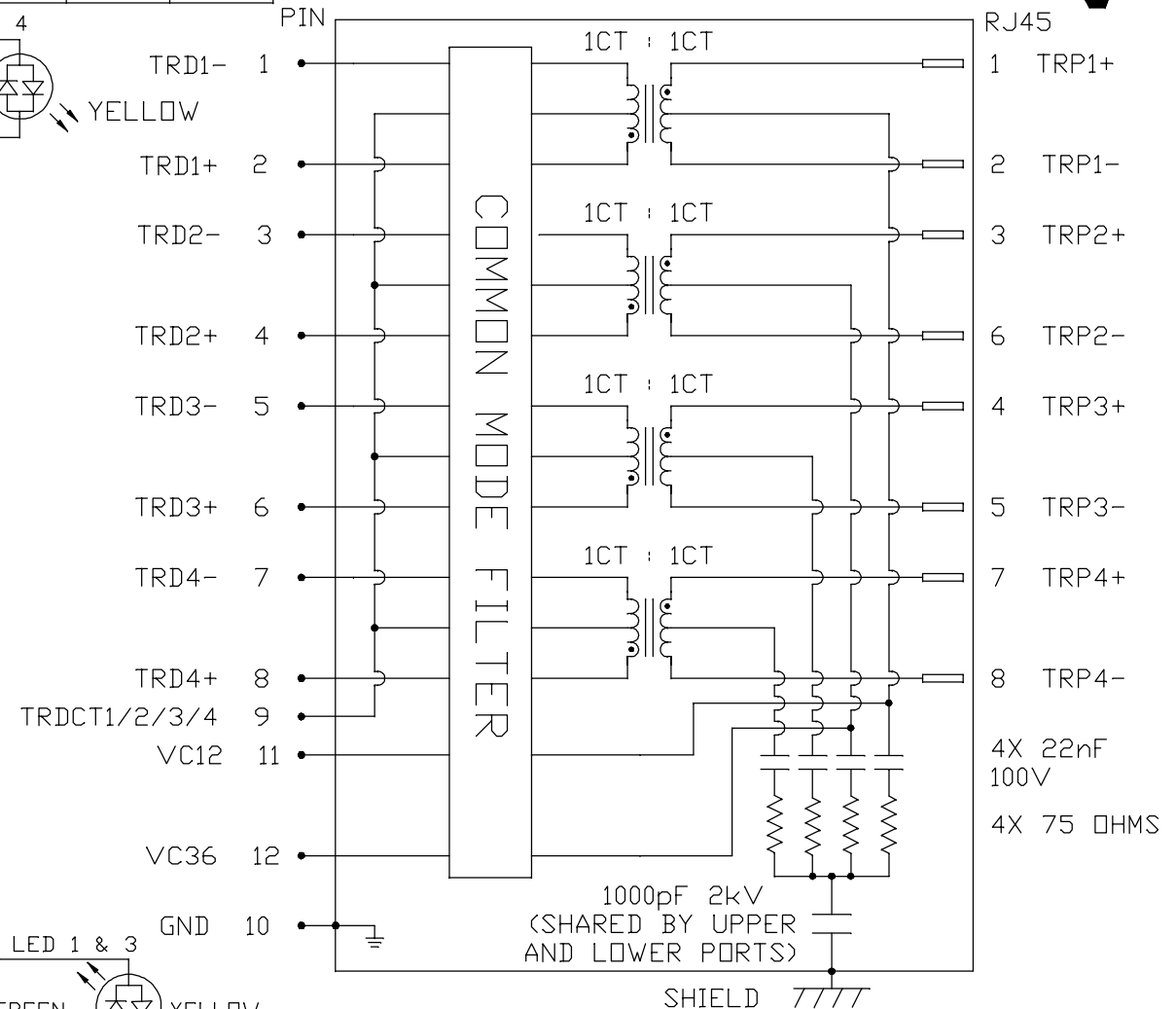
VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
AD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		YELLOW	590nm TYP.

OPERATING TEMPERATURE -40°C TO +85°C

LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
+	-	YELLOW	+	-	YELLOW
-	+	GREEN	-	+	GREEN



SCHEMATIC



ORIGINATED BY
CHOW WANCHUNG
DATE 2019-10-16

DRAWN BY
XIE YIMING
DATE 2019-10-16

TITLE
2X6 gigabit MagJack®
PoEp
(WITH EXTENDED TEMPERATURE)
PATENTED

PART NO. / DRAWING NO.
0895-2C6R-GK

FILE NAME
0895-2C6R-GK_B.DWG

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

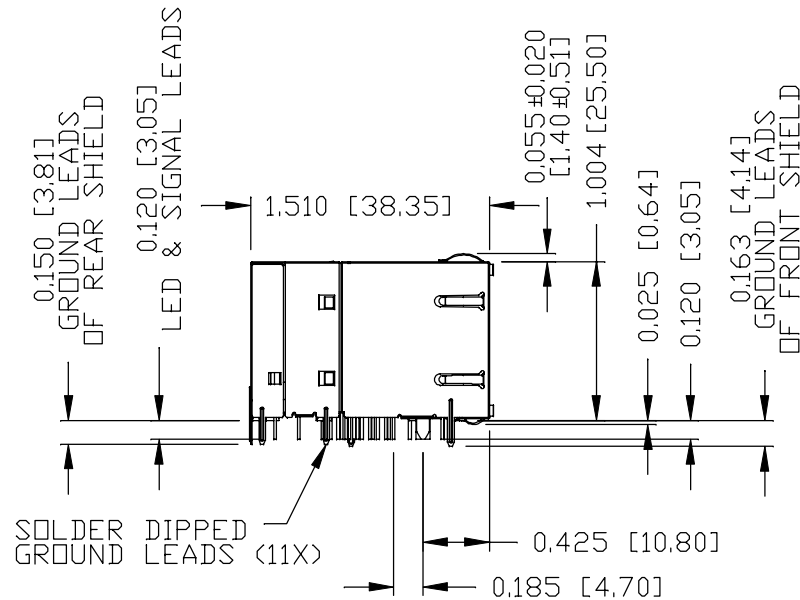
REV. : B

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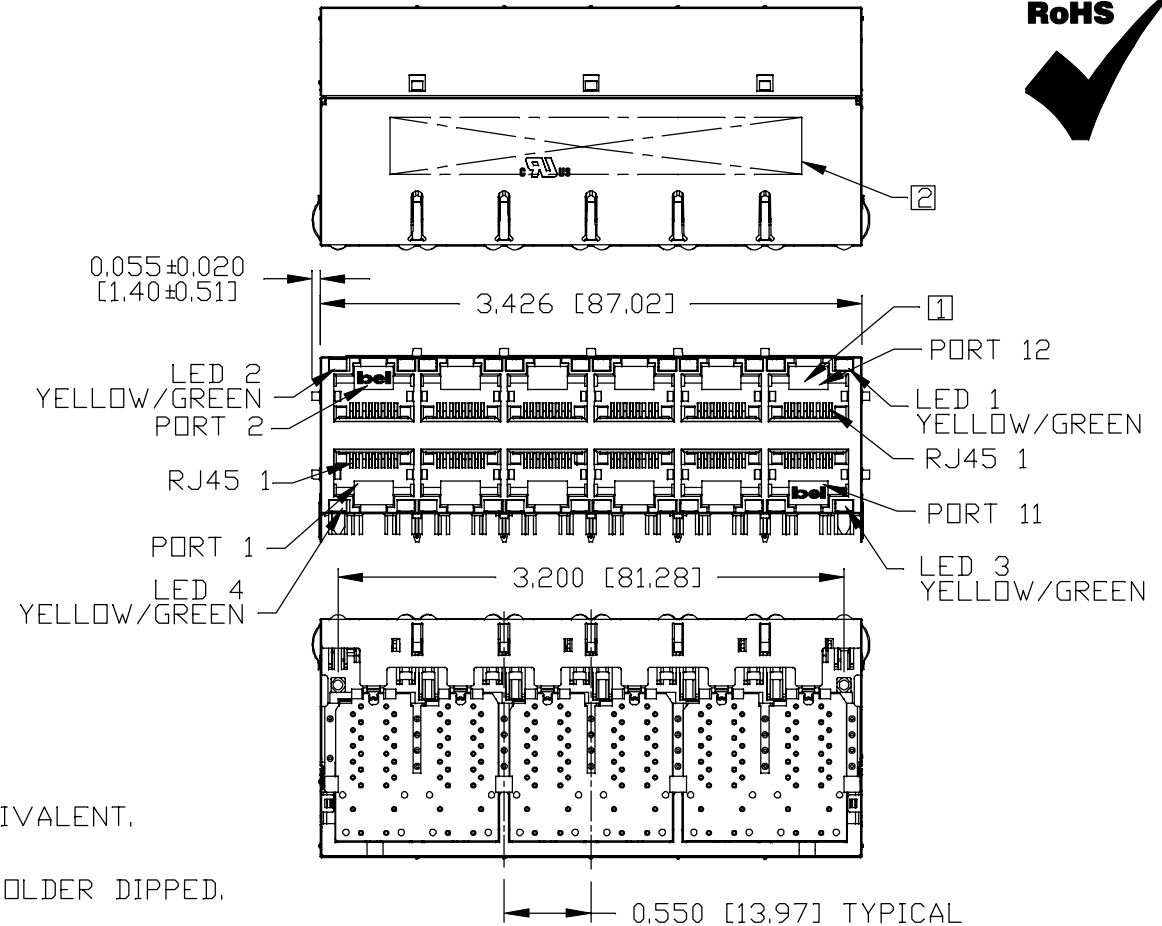


NOTES:

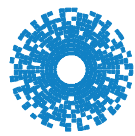
- PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND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

 UL RECOGNIZED - FILE #E196366 AND E169987.

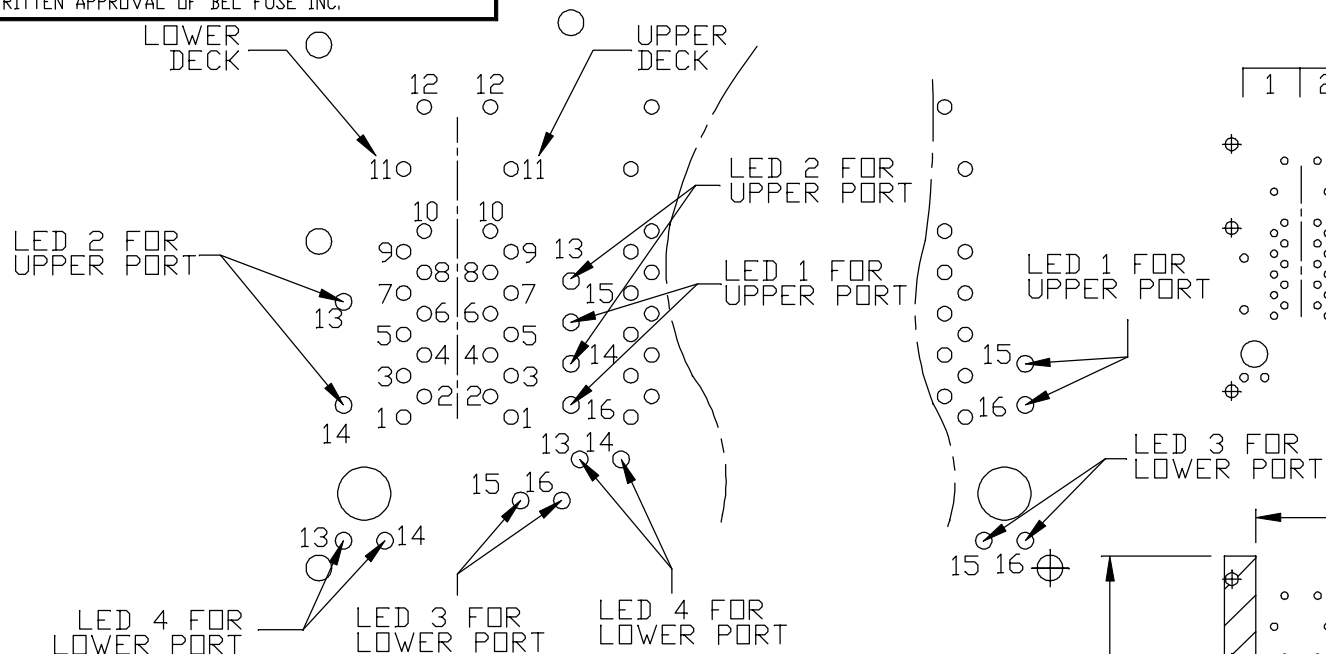


4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
5. REVERSED POLARITY OF GENERAL 'C' LED.
6. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

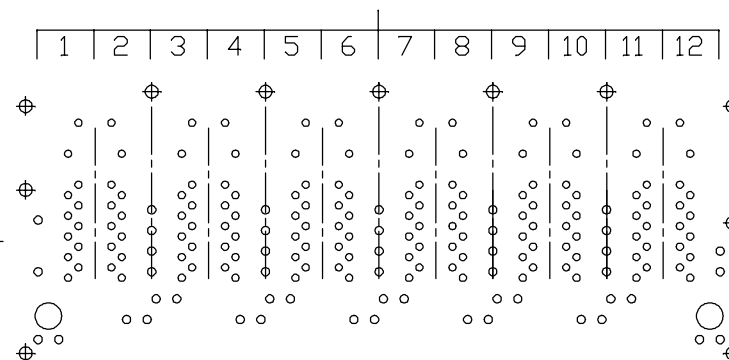
ORIGINATED BY SANDY LIN DATE 2019-10-16	TITLE 2X6 gigabit MagJack® PoEp (WITH EXTENDED TEMPERATURE) PATENTED	PART NO. / DRAWING NO. 0895-2C6R-GK	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	REV. : B PAGE : 3  bel MAGNETIC SOLUTIONS a bel group
DRAWN BY RUAN WENJUN DATE 2019-10-16		FILE NAME 0895-2C6R-GK_B.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4	
			±0.010		



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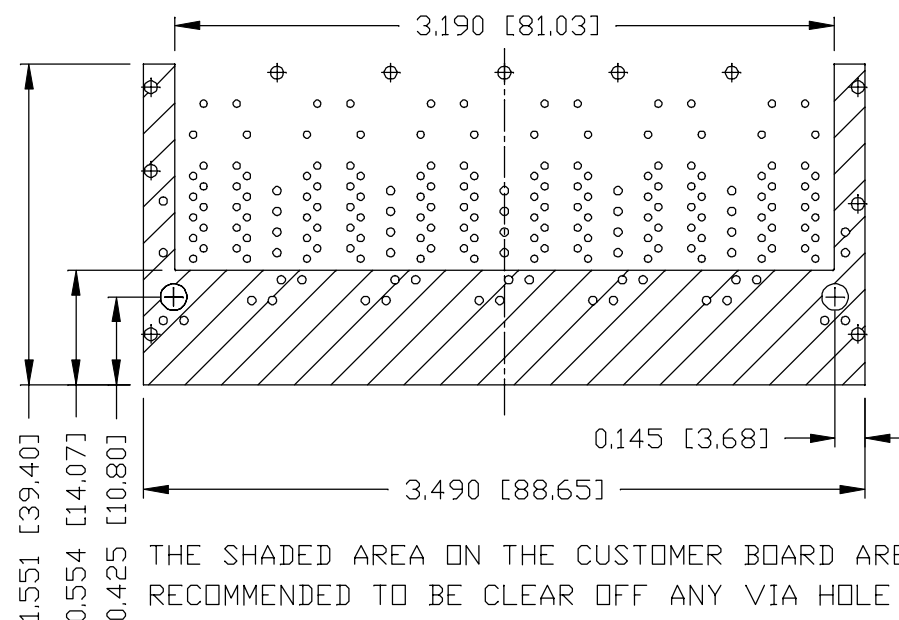


PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

12	VC36	
11	VC12	
10	GND	
9	TRDCT1/2/3/4	
8	TRD 4+	
7	TRD 4-	
6	TRD 3+	
5	TRD 3-	
4	TRD 2+	16 YEL(-) GRN(+)
3	TRD 2-	15 YEL(+) GRN(-)
2	TRD 1+	14 YEL(-) GRN(+)
1	TRD 1-	13 YEL(+) GRN(-)



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

REV. : B PAGE : 4

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RUAN WENJUN
DATE 2019-10-16

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(WITH EXTENDED TEMPERATURE)
PATENTED

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0895-2C6R-GK

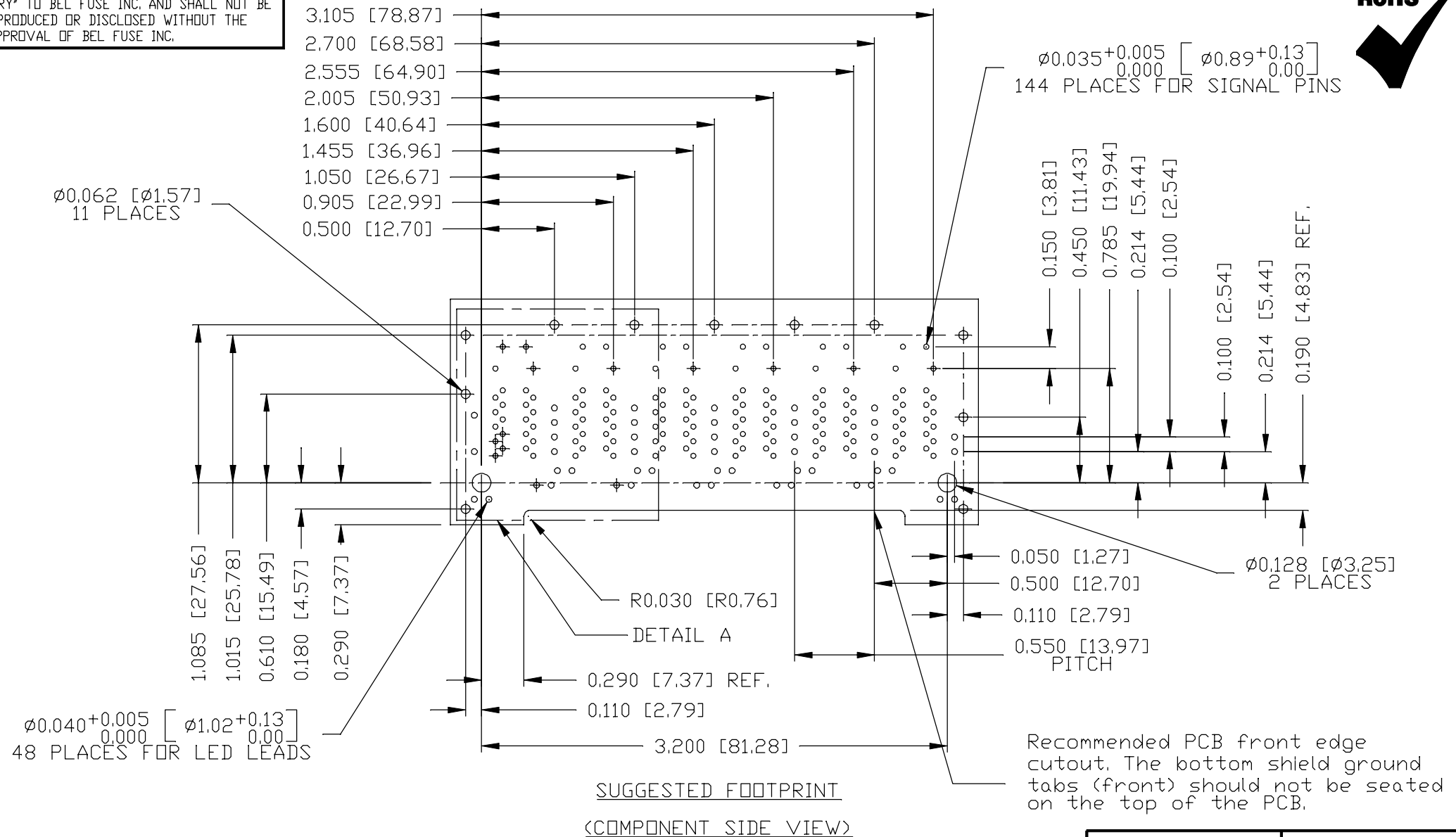
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TOL. IN INCH
[] METRIC DIM.
AS REF.
UNIT : INCH [mm]
SCALE : N/A
SIZE : A4





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REV. : B PAGE : 5

ORIGINATED BY
SANDY LIN
DATE 2019-10-16

DRAWN BY
RUAN WENJUN
DATE 2019-10-16

TITLE
2X6 gigabit MagJack[®]
PoE
(WITH EXTENDED TEMPERATURE)
PATENTED

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0895-2C6R-GK

FILE NAME
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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



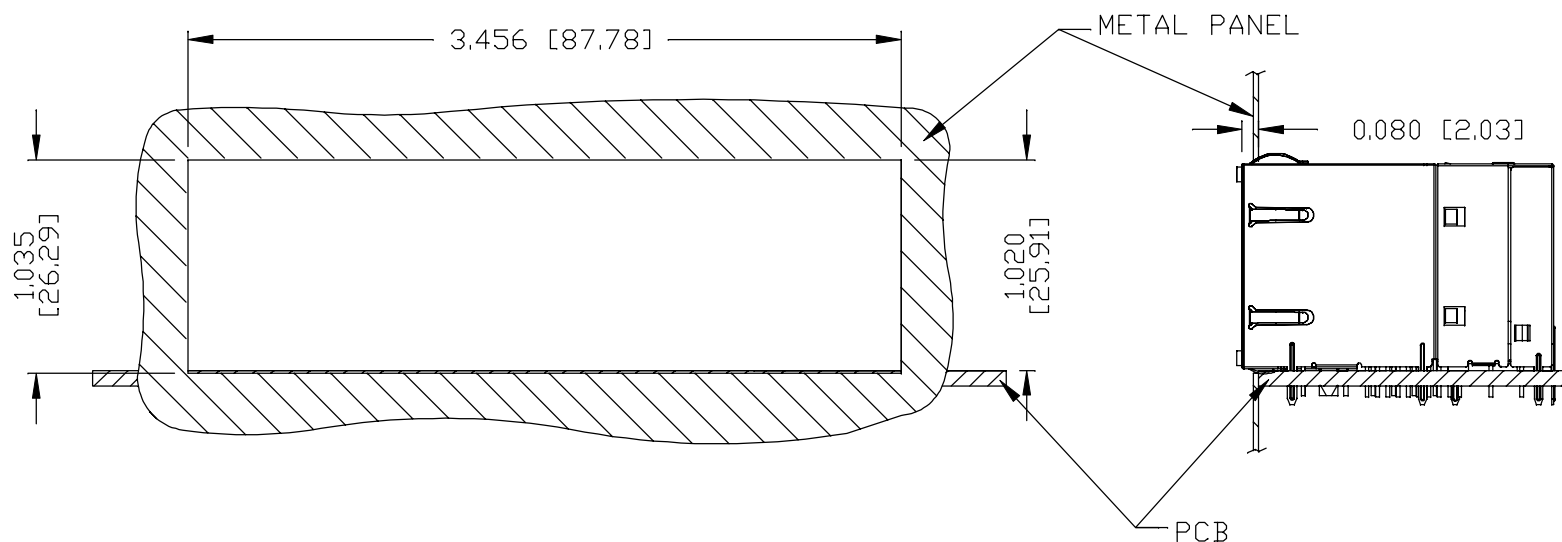
RoHS



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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SUGGESTED PANEL OPENINGNOTE:

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-B7 (TOP)

0200-9999-B8 (BOTTOM)

PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY.

5 TRAYS (75 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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.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.005	SIZE : A4

