

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 15	PIN 16	COLOR	PIN 17	PIN 18	COLOR
-	+	ORANGE	-	+	ORANGE
+	-	GREEN	+	-	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

DCL @ 100kHz/100mVRMS

(-40°C - 85°C)	180µH MIN.
19mA DC BIAS (-40°C - 85°C)	120µH MIN.

RET. LOSS (MIN)

1MHZ-40MHZ	-18 dB MIN
40MHZ-250MHZ	-18+10LOG10<f/40MHZ> dB MIN

CM TO CM REJ

100kHz - 100MHZ	-30 dB MIN
-----------------	------------

CM TO DM REJ

100kHz - 100MHZ	-35 dB MIN
-----------------	------------

HIPOT (Isolation Voltage): 2250 VDC

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

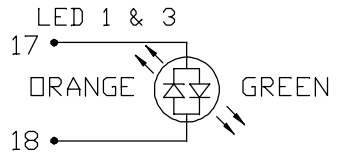
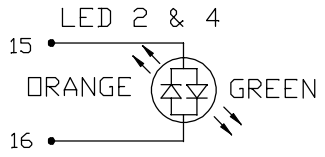
NOTE: PORT-TO-PORT ISOLATION NOT INCLUDED .

BALANCED DC LINE CURRENT 600mA MAX. CONTINUOUS
1.2A MAX. FOR 200 MILLISECONDS

LEDS 1, 2, 3 AND 4

VF (FORWARD VOLTAGE)	IF=20mA	ORANGE	2.0V TYP.
		GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	ORANGE	605nm TYP.
		GREEN	570nm TYP.

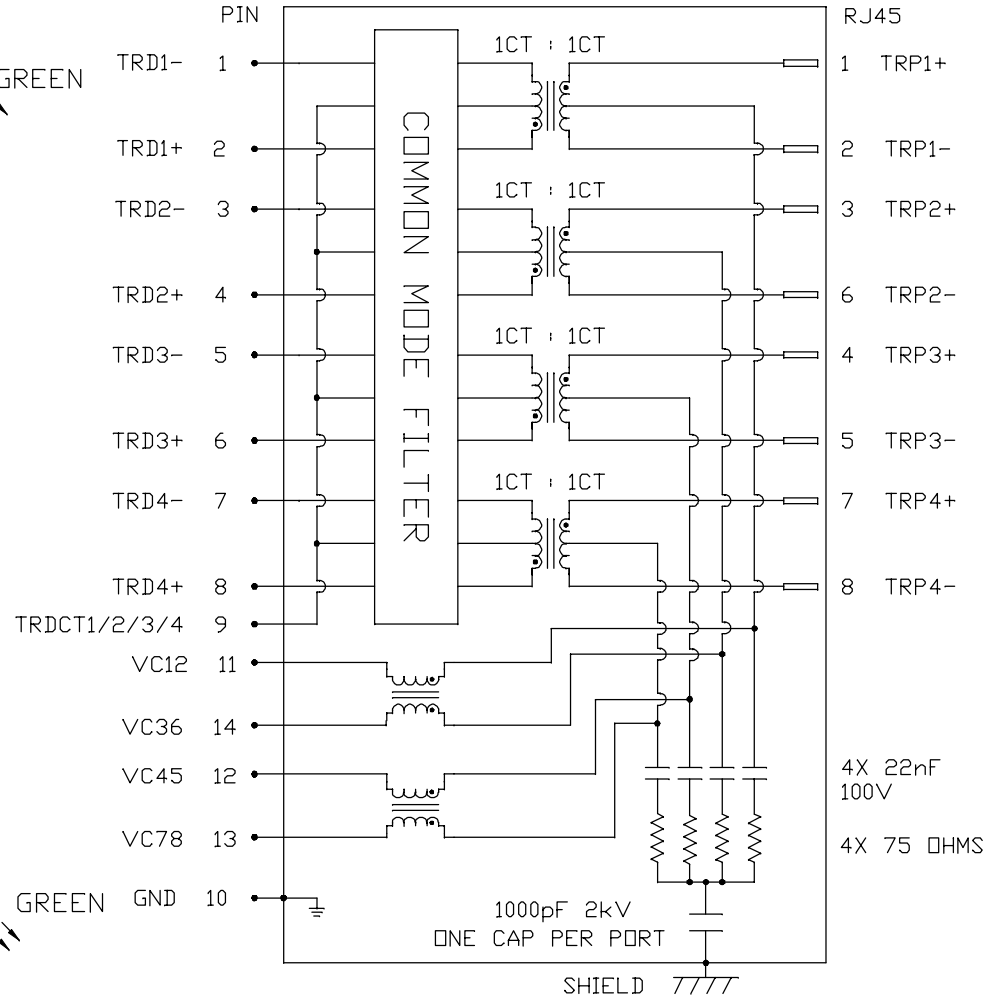
OPERATING TEMPERATURE: -40°C TO +85°C.



PRELIMINARY



SCHEMATIC



ORIGINATED BY
CHOW WANCHUNG
DATE 2021-05-25
DRAWN BY
TANG YUAN
DATE 2021-05-25

TITLE
2X2 5 gigabit MagJack®
60W 4PPoE
PATENTED

PART NO. / DRAWING NO.
0895-2B2J-JVC
FILE NAME
0895-2B2J-JVC_1.DWG

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

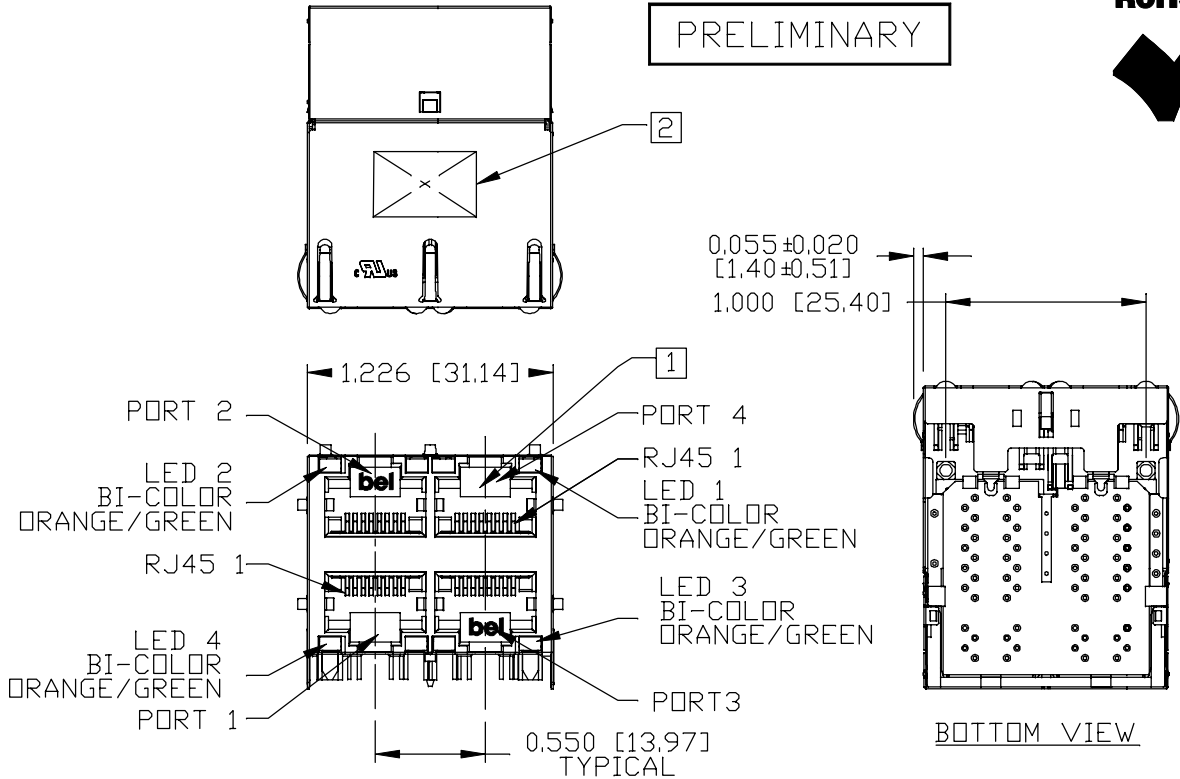
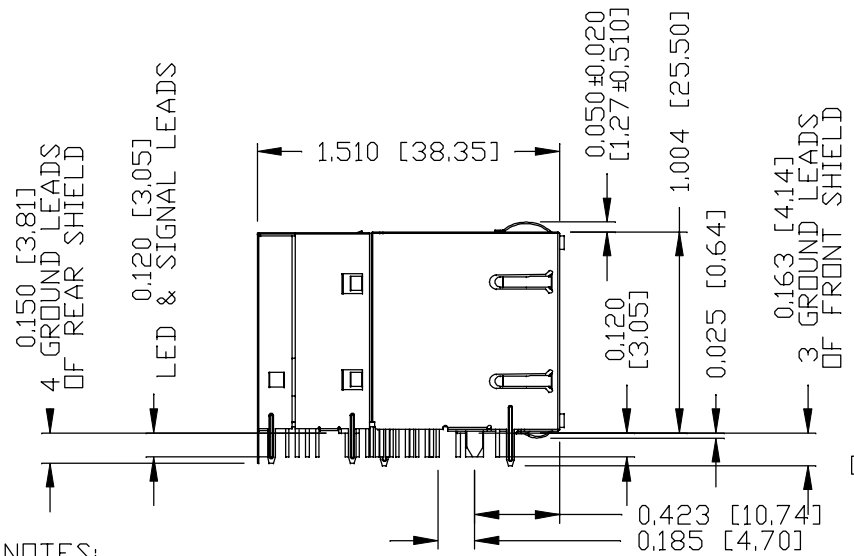
REV. : 1 PAGE : 2



THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



PRELIMINARY



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, PART NUMBER, DATE CODE, MFG NAME AND PATENTED.

- 3. THE PRODUCT IS RoHS COMPLIANT.
- 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
- 5. THE PART IS RECOMMENDED FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

UL UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY
LI QUANKUN
DATE 2021-05-25


DRAWN BY
OLIVER ZHANG
DATE 2021-05-25

TITLE
2X2 5 gigabit MagJack®
60W 4PPoE
PATENTED

PART NO. / DRAWING NO.
0895-2B2J-JVC

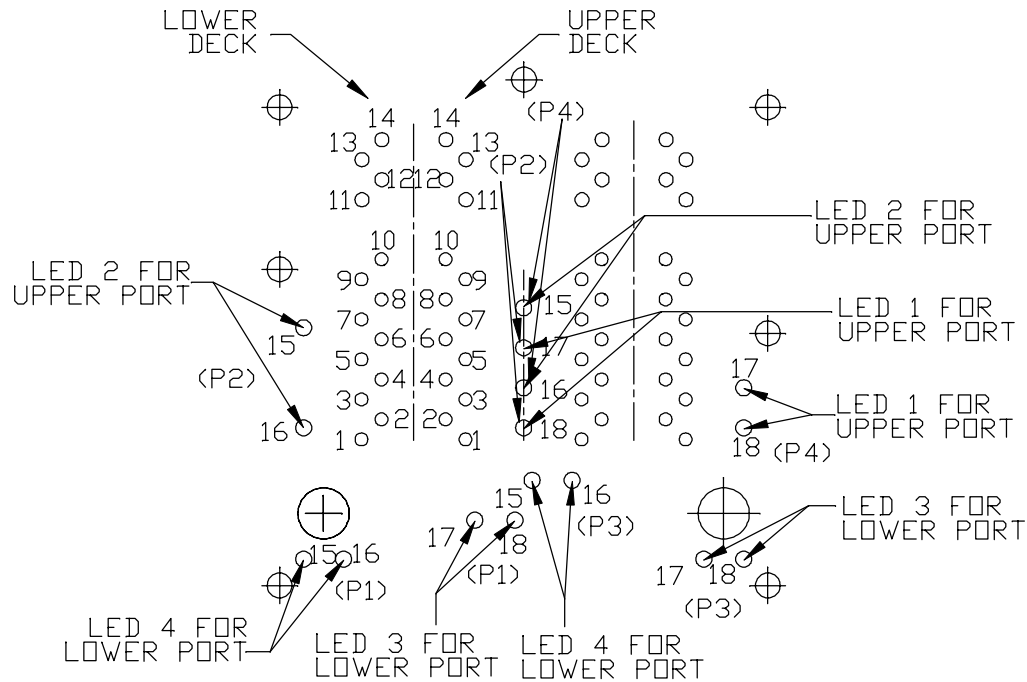
FILE NAME
0895-2B2J-JVC_1.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.	
.X		UNIT : INCH [mm]	
.XX		SCALE : N/A	
.XXX	±0.010	SIZE : A4	

REV. :	1	PAGE :	3
			
a bel group			

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

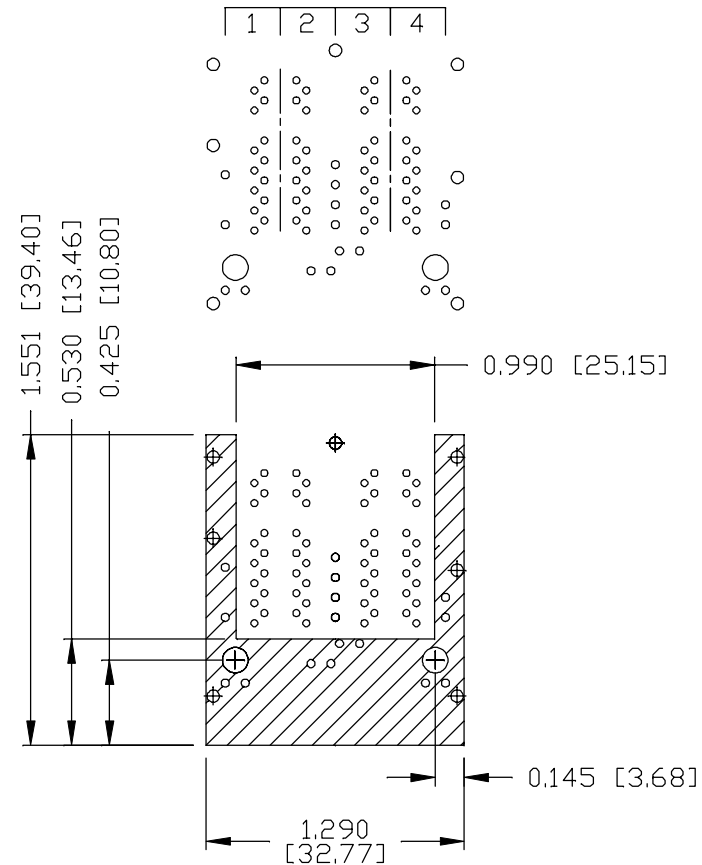
PRELIMINARY



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

10	GND		
9	TRDCT1/2/3/4		
8	TRD 4+	18	ORANGE (+)/GREEN (-)
7	TRD 4-	17	ORANGE (-)/GREEN (+)
6	TRD 3+	16	ORANGE (+)/GREEN (-)
5	TRD 3-	15	ORANGE (-)/GREEN (+)
4	TRD 2+	14	VC36
3	TRD 2-	13	VC78
2	TRD 1+	12	VC45
1	TRD 1-	11	VC12

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

REV. :	1	PAGE :	4
		UNIT : INCH [mm]	
		SCALE : N/A	
		SIZE : A4	

ORIGINATED BY LI QUANKUN DATE 2021-05-25
DRAWN BY OLIVER ZHANG DATE 2021-05-25

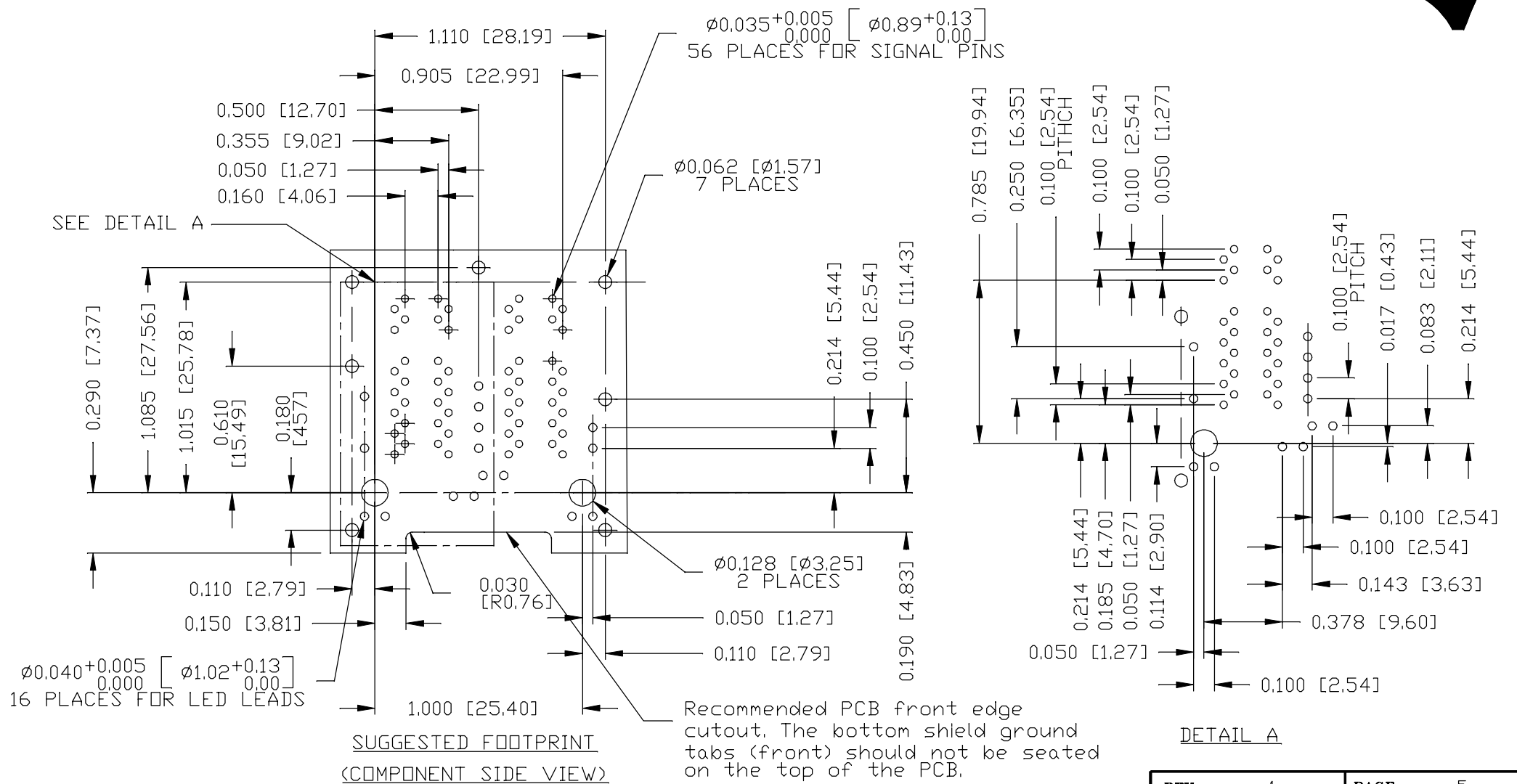
TITLE 2X2 5 gigabit MagJack® 60W 4PPoE PATENTED
--

PART NO. / DRAWING NO. 0895-2B2J-JVC
FILE NAME 0895-2B2J-JVC_1.DWG

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

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



ORIGINATED BY
LI QUANKUN
DATE 2021-05-25
DRAWN BY
OLIVER ZHANG
DATE 2021-05-25

TITLE
2X2 5 gigabit MagJack®
60W 4PPoE
PATENTED

PART NO. / DRAWING NO.
0895-2B2J-JVC
FILE NAME
0895-2B2J-JVC_1.DWG

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

REV. : 1 PAGE : 5

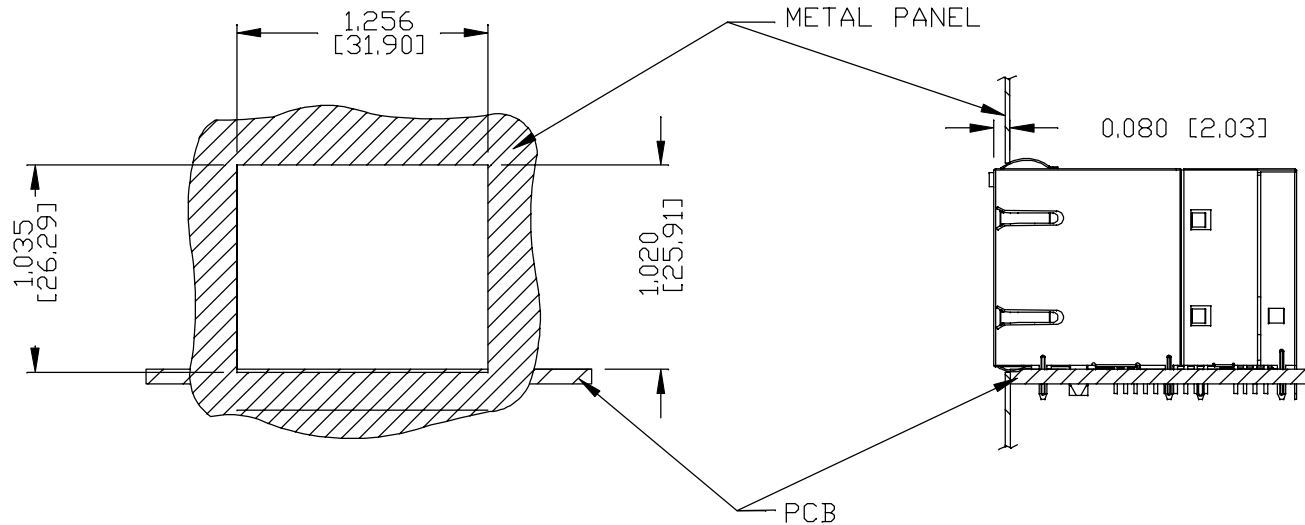
a bel group

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



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 : 0200M9999-H0 (TOP)
 0200M9999-H1 (BOTTOM)
 PACKING QUANTITY : 32 PCS FINISHED GOODS PER TRAY
 7 TRAYS (224 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. :	1	PAGE :	6
--------	---	--------	---

ORIGINATED BY LI QUANKUN DATE 2021-05-25	TITLE 2X2 5 gigabit MagJack® 60W 4PPoE PATENTED	PART NO. / DRAWING NO. 0895-2B2J-JVC	STANDARD DIM. [] METRIC DIM.	
			TOL. IN INCH AS REF.	
			.X	UNIT : INCH [mm]
DRAWN BY OLIVER ZHANG DATE 2021-05-25		FILE NAME 0895-2B2J-JVC_1.DWG	.XX	SCALE : N/A
			.XXX	±0.005

