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

PRELIMINARY

RoHS

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

(-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.

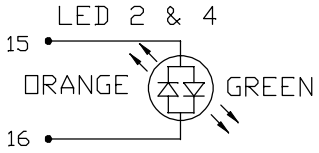
NOTE: PORT-TO-PORT ISOLATION NOT INCLUDED .

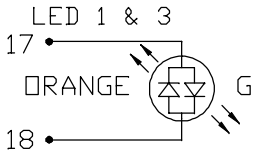
BALANCED DC LINE CURRENT 600mA MAX. CONTINUOUS
1.2A MAX. FOR 200 MILLISECONDS

LEDS 1, 2, 3 AND 4

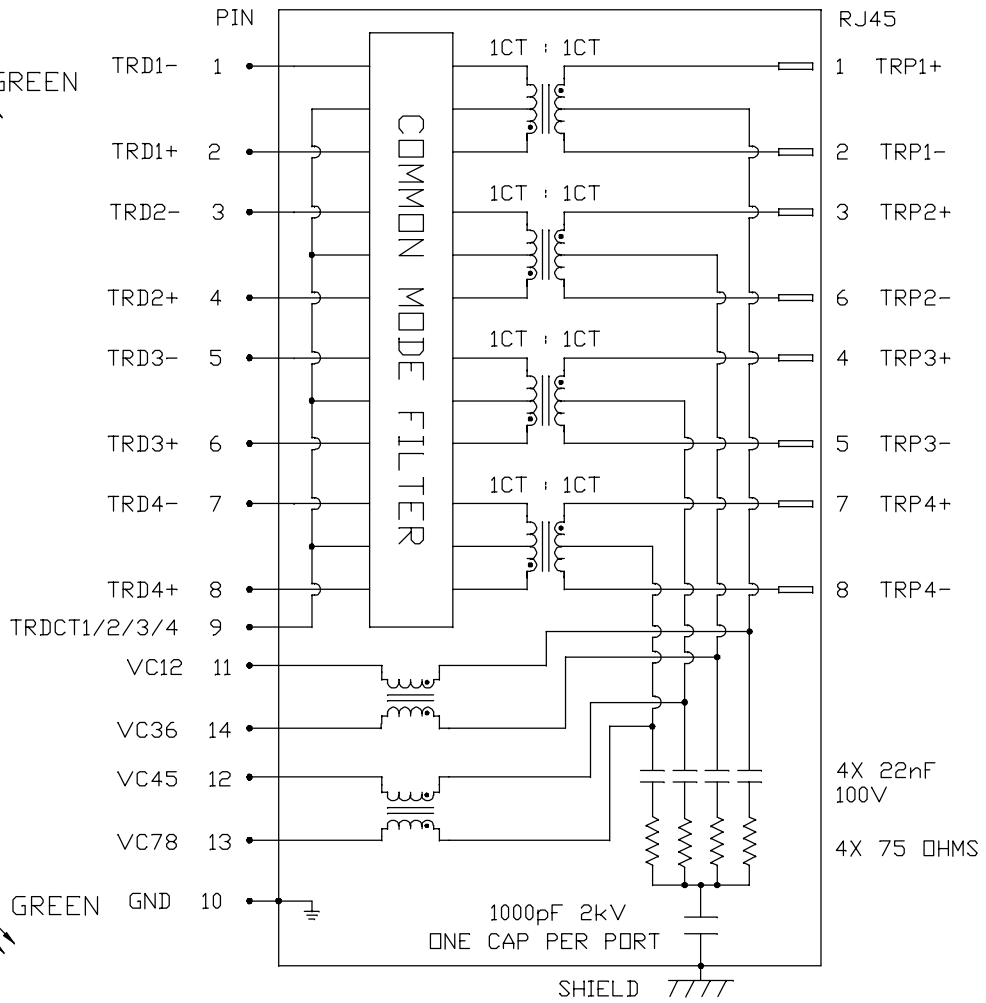
VF (FORWARD VOLTAGE)	IF=20mA	ORANGE	2.0V TYP.
		GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	ORANGE	605nm TYP.
		GREEN	570nm TYP.

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





SCHEMATIC



REV. : 1 | PAGE : 2

ORIGINATED BY CHOW WANCHUNG DATE 2021-05-25	TITLE 2X2 5 gigabit MagJack® 60W 4PPoE PATENTED	PART NO. / DRAWING NO. 0895-2B2J-JVC	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY TANG YUAN DATE 2021-05-25		FILE NAME 0895-2B2J-JVC_1.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

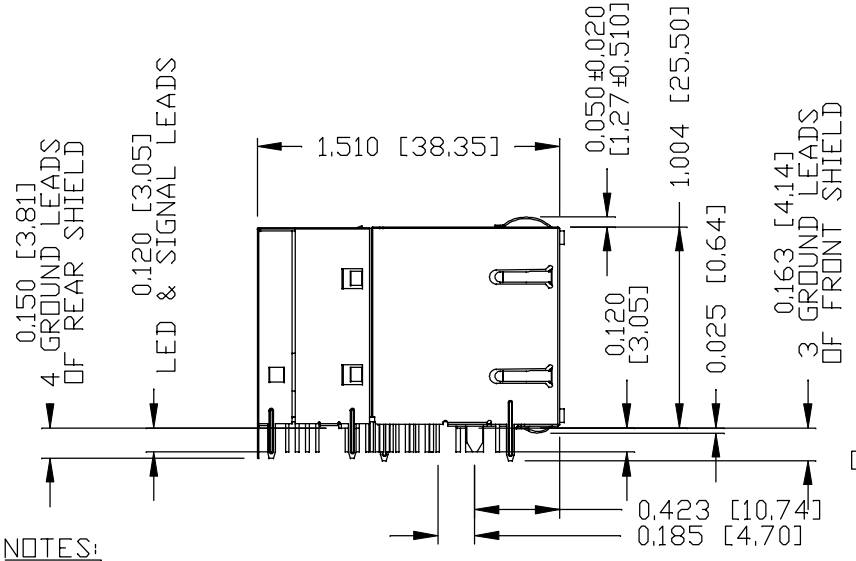
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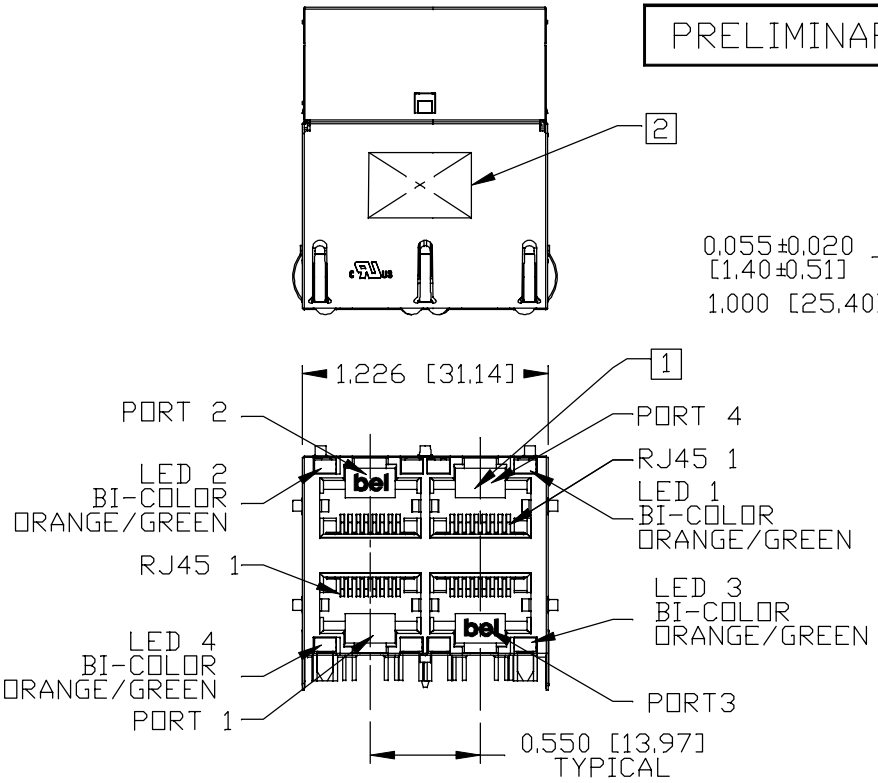
Please read our datasheet & drawing disclaimer here.

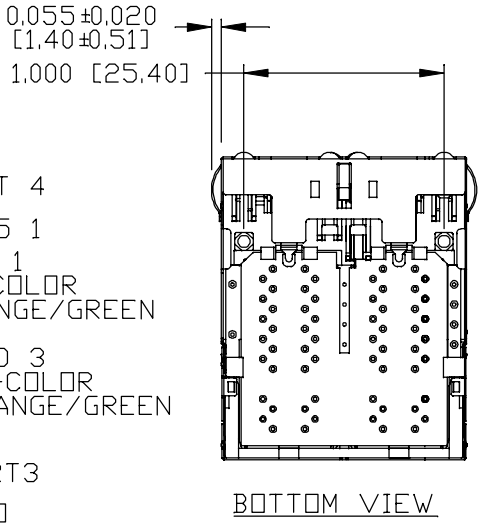
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PRELIMINARY

RoHS







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.
   c UL us 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. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

REV. : 1	PAGE : 3

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. TOL. IN INCH: .X, .XX, .XXX ±0.010
DRAWN BY: OLIVER ZHANG DATE: 2021-05-25		FILE NAME: 0895-2B2J-JVC_1.DWG	[ ] METRIC DIM. AS REF. UNIT : INCH [mm] SCALE : N/A SIZE : A4

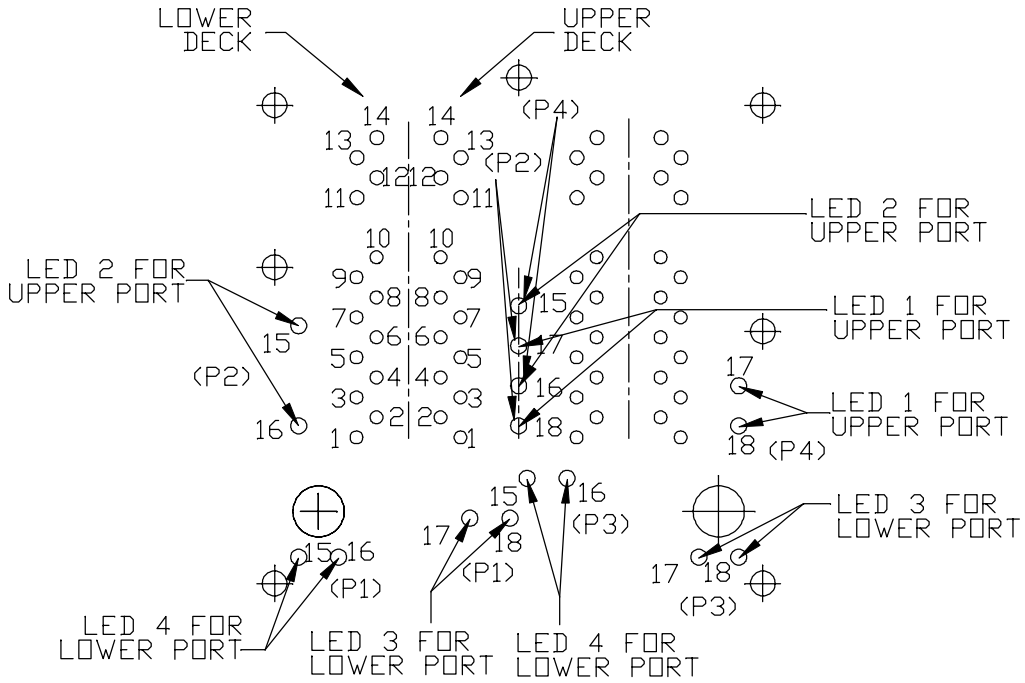
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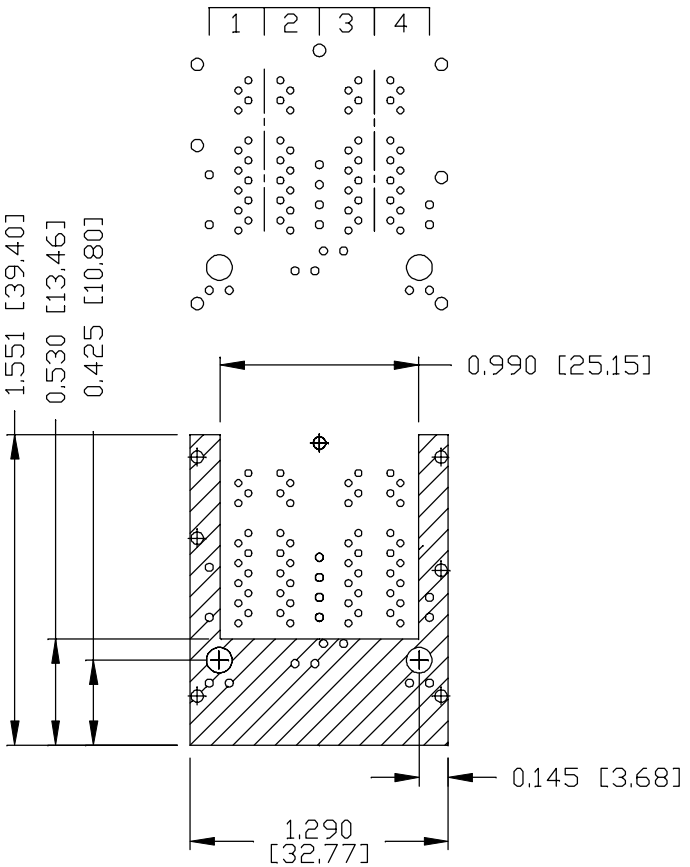
RoHS



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.

ORIGINATED BY: LI QUANKUN DATE: 2021-05-25	TITLE: 2X2 5 gigabit MagJack® 60W 4PPoE PATENTED	PART NO. / DRAWING NO.: 0895-2B2J-JVC	REV. : 1
DRAWN BY: OLIVER ZHANG DATE: 2021-05-25		FILE NAME: 0895-2B2J-JVC_1.DWG	PAGE : 4

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

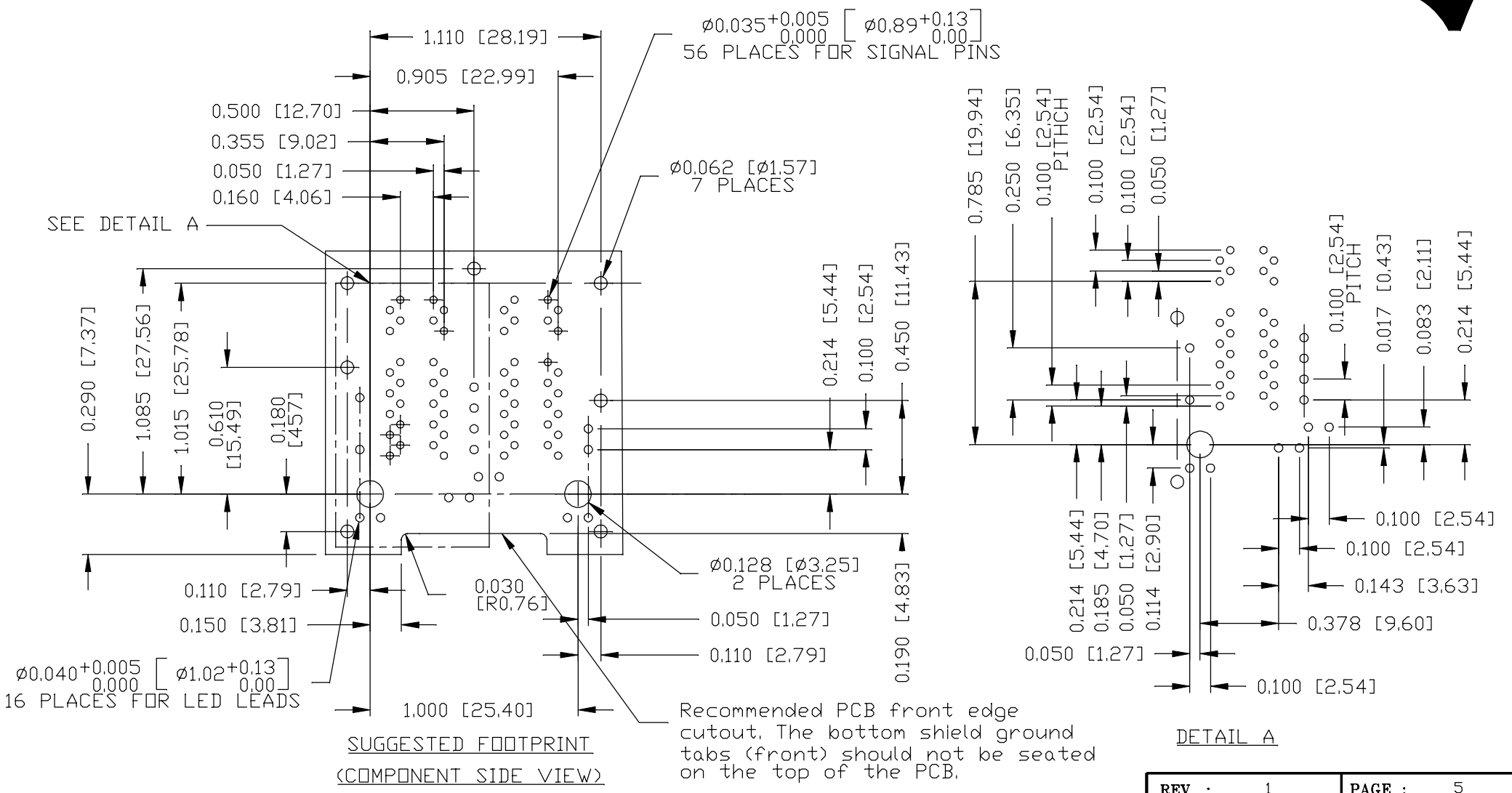
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REV. : 1				PAGE : 5	
ORIGINATED BY LI QUANKUN DATE 2021-05-25	TITLE 2X2 5 gigabit MagJack® 60W 4PPoE PATENTED	PART NO. / DRAWING NO. 0895-2B2J-JVC	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY OLIVER ZHANG DATE 2021-05-25		FILE NAME 0895-2B2J-JVC_1.DWG	.X .XX .XXX ±0.004	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

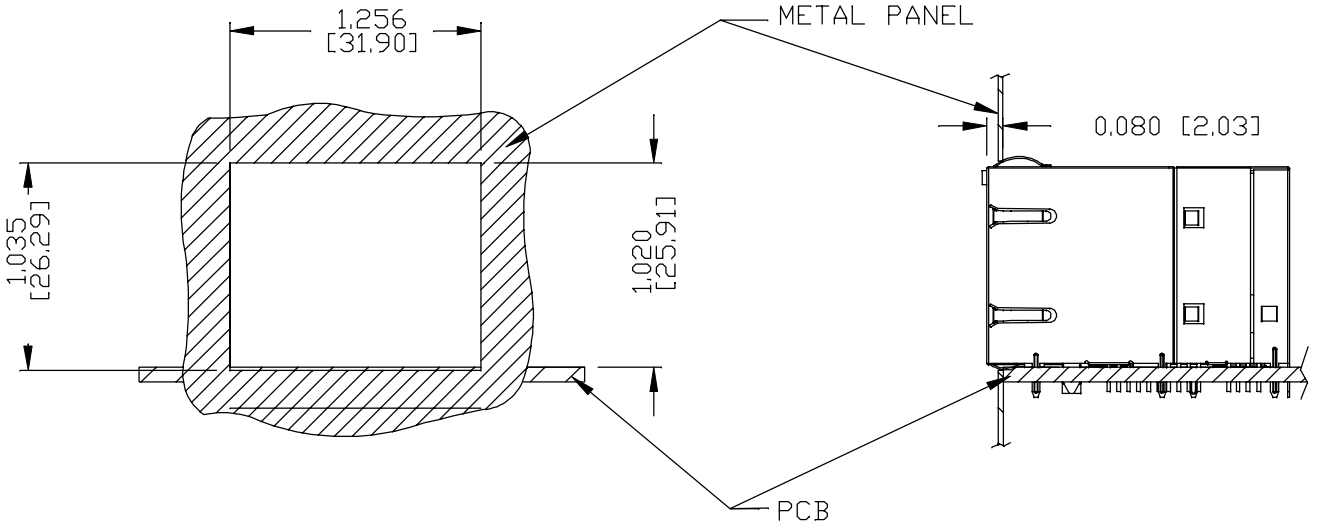
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PRELIMINARY

RoHS

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. TOL. IN INCH	[ ] METRIC DIM. AS REF.	bel MAGNETIC SOLUTIONS a bel group
DRAWN BY OLIVER ZHANG DATE 2021-05-25		FILE NAME 0895-2B2J-JVC_1.DWG	.X .XX .XXX ±0.005	UNIT : INCH [mm] SCALE : N/A SIZE : A4	

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