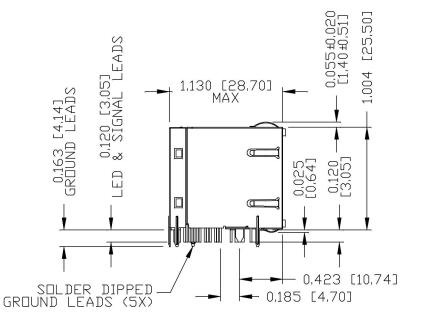
THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. LED 2 & 4 LED 2 & 4 POLARITY LED 1 & 3 POLARITY SCHEMATIC PIN 14 YELLOW GREEN PIN 12 COLOR PIN 13 COLOR PIN 11 YFI I NW YELLOW RJ45 GREEN GREEN 1CT : 1CT TRD1-1 TRP1+ ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIO 2 TRP1-TP1 1CT : 1CT ±2% TRD1+ 2 \leq TP2 1CT : 1CT ±2% 1CT : 1CT TP3 1CT : 1CT ±2% TRD2- 3 3 TRP2+ TP4 1CT : 1CT ±2% \mathbb{Z} DCL @ 100kHz/100mVRMS 8mA DC BIAS 350µH MIN. <6 TRP2-TRD2+ 4 INS. LDSS 1CT : 1CT 0.1MHz TO 1MHz -1.1 dB MAX \Box TRD3- 5 4 TRP3+ 1MHz TO 65MHz -0.5 dB MAX 65MHz TO 100MHz -0.8 dB MAX 100MHz TO 125MHz -1,2 dB MAX 5 TRP3-TRD3+ 6 RET, LOSS (MIN) 0.5MHz-40MHz -18 dB1CT : 1CT 40MHz-100MHz $-12+20L\Box G(f/80MHz) dB$ TRD4- 7 7 TRP4+ CM TO CM REJ π 100kHz - 100MHz -30 dB MIN CM TO DM REJ 8 TRP4-TRD4+ 8 100kHz - 100MHz -35 dB MIN HIPOT (Isolation Voltage): 1500 Vrms 4X 75 DHMS TRDCT1/2/3/4 9 100% OF PRODUCTION TESTED TO COMPLY WITH GND 10 IEEE 802,3 ISOLATION REQUIREMENTS, LED 1 & 3 1000pF 2kV LEDS 1, 2, 3 AND 4 VF (FORWARD VOLTAGE) IF=20mA GREEN 2,2V TYP, SHIELD 77/7 IF=20mA YELLOW 2.1V TYP. GREEN YELLOW λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP IF=20mA YELLOW 590nm TYP. REV. : PAGE: ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. CHOW WANCHUANG 2X2 gigabit MagJack® AS REF. TOL. IN INCH 0879-2C2R-54 DATE 2016-04-07 WITH UPPER AND LOWER LED UNIT : INCH [mm] DRAWN BY FILE NAME (8 Cores) SCALE: N/A MURPHY LEE .XX PATENTED a bel group 0879-2C2R-54 C.DWG DATE 2016-04-07 SIZE: A4 DC002(2)120214 This document is electronically generated. This is a controlled copy if used internally

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chill na 0,055±0,020 [1,40±0,51] 1,226 [31,14] LED 2 LED 1 BI-COLOR BI-COLOR GREEN/YELLOW GREEN/YELLOW PORT 2 PORT 4 RJ45 1 RJ45 1-LED 3 LED 4 BI-COLOR BI-COLOR. GREEN/YELLOW GREEN/YELLOW -PORT 3

> TYPICAL 1,000 [25,40]

NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

DUTPUT 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. THE PRODUCT IS ROHS COMPLIANT.

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.

0.550 [13.97]

ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.	Г
ANTON LIAO	2X2 gigabit MagJack®	0879-2C2R-54		IN INCH	AS REF.	
DATE 2016-04-07	WITH UPPER AND LOWER LED	OOT FEEL OF	1,7		UNIT : INCH [mm]	
DRAWN BY	(8 Cores)	FILE NAME	.X		onii . men [mm]	ĺ
JESSE LI	PATENTED		.XX		SCALE : N/A	
DATE 2016-04-07	I HICNICD	0879-2C2R-54_C.DWG	.XXX	±0,010	SIZE : A4	

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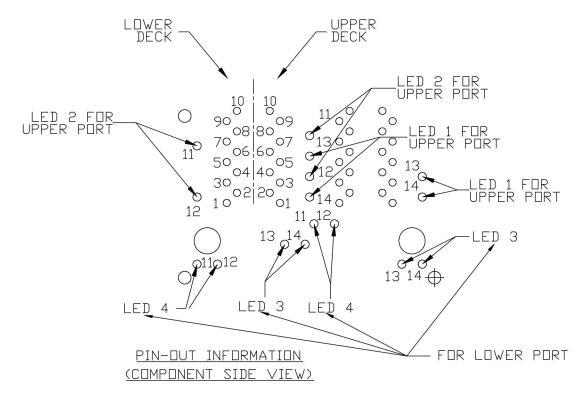
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PORT 1

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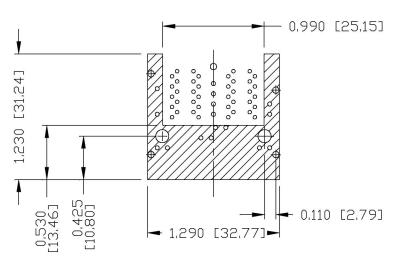


10	GND					
9	TRDCT1/2/3/4					
8	TRD 4+					
7	TRD 4-					
6	TRD 3+					
5	TRD 3-					
4	TRD 2+	14	GREEN	(-)	YELLOW	(+)
3	TRD 2-	13	GREEN	(+)	YELLOW	(-)
2	TRD 1+	12	GREEN	(-)	YELLOW	(+)
1	TRD 1-	11	GREEN	(+)	YELLOW	(-)

PORT ASSIGNMENT
(COMPONENT SIDE VIEW)

3 4

2



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

REV. :

ORIGINATED BY					
ANT 🗆	N LIAD				
DATE	2016-04-07				
DRAWN	BY				

 DATE
 2016-04-07

 DRAWN
 BY

 JESSE
 LI

 DATE
 2016-04-07

TITLE

2X2 gigabit MagJack®

WITH UPPER AND LOWER LED

(8 Cores)

PATENTED

PART NO. / DRAWING NO.
0879-2C2R-54
FILE NAME
0879-2C2R-54_C,DWG

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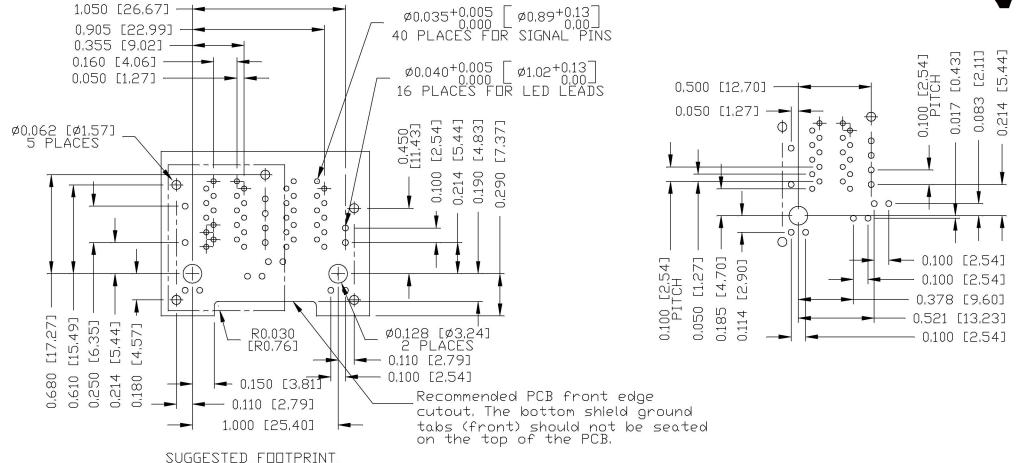
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MAGNETIC SOLUTIONS

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ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.
ANTON LIAO	2X2 gigabit MagJack®	0879-2C2R-54		IN INCH	
DATE 2016-04-07	WITH UPPER AND LOWER LED	00,7 2021	37		UNIT : INCH [mm]
DRAWN BY	(8 Cores)	FILE NAME	·X		citi : itteli [iiiii]
JESSE LI	PATENTED	0879-2C2R-54_C,DWG	.XX		SCALE : N/A
DATE 2016-04-07	, , , , , , , , , , , , , , , , , , , ,		.XXX	±0,004	SIZE : A4

(COMPONENT SIDE VIEW)

bel group

MAGNETIC SOLUTIONS

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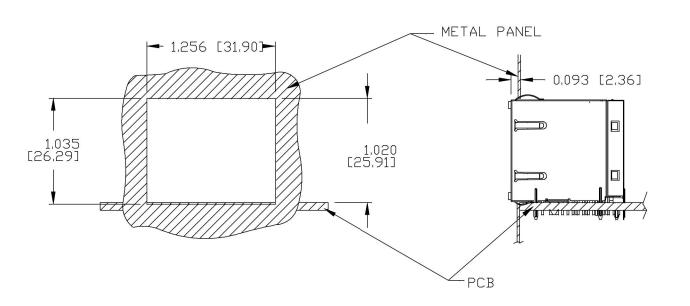
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SUGGESTED PANEL OPENING



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-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)

	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM.
ANTON LIAO	2X2 gigabit MagJack®	0879-2C2R-54	TOL.	IN INCH	AS REF.
DATE 2016-04-07	WITH UPPER AND LOWER LED		.x		UNIT : INCH [mm]
DRAWN BY JESSE LI	(8 Cores)	FILE NAME	.XX		SCALE : N/A
DATE 2016-04-07	PATENTED	0879-2C2R-54_C.DWG			SIZE : A4
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PAGE: 6

MAGNETIC SOLUTIONS

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