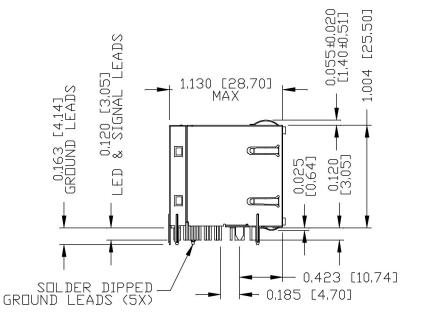
THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. LED 2 & 4 LED 2 & 4 POLARITY LED 1 & 3 POLARITY SCHEMATIC YELLOW GREEN PIN 12 COLOR PIN 13 PIN 14 COLOR PIN 11 YFI I NW 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 -35 dB MIN 100kHz - 100MHz 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 PORT 1 0.550 [13.97]

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 LOGD, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
- 3. THE PRODUCT IS ROHS COMPLIANT,

U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

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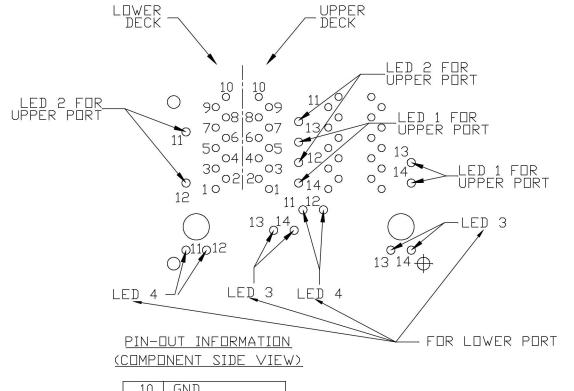
						REV.:
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND.	ARD DIM.	[] METRIC DIM.	
ANTON LIAD	2X2 gigabit MagJack®	0879-2C2R-54	TOL.	IN INCH	AS REF.	4
DATE 2016-04-07	WITH UPPER AND LOWER LED	007,3 2021, 01	v		UNIT : INCH [mm]	
DRAWN BY	(8 Cores)	FILE NAME	.л	/	SCALE : N/A	
JESSE LI	PATENTED	0879-2C2R-54 C,DWG	.XX	/		
DATE 2016-04-07	1111211123	00// ECEN 3+_C.D.W.d	.XXX	±0,010	SIZE : A4	

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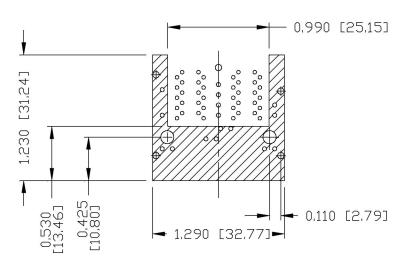


		_	
10	GND		
9	TRDCT1/2/3/4		
8	TRD 4+		
7	TRD 4-		
6	TRD 3+		
5	TRD 3-		
4	TRD 2+	14	GREEN (-) YELLOW (+)
3	TRD 2-	13	GREEN (+) YELLOW (-)
2	TRD 1+	12	GREEN (-) YELLOW (+)
1	TRD 1-	11	GREEN (+) YELLOW (-)

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

REV. :

С

COMPONENT PAD.

ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM ANTON LIAD 2X2 gigabit MagJack® TOL. IN INCH 0879-2C2R-54 2016-04-07 DATE WITH UPPER AND LOWER LED DRAWN BY FILE NAME (8 Cores) JESSE LI .XX PATENTED 0879-2C2R-54 C.DWG 2016-04-07 DATE

[] METRIC DIM. AS REF. UNIT : INCH [mm]SCALE : N/A \bigoplus - | SIZE : A4 ±0,004 XXX.

MAGNETIC SOLUTIONS a bel group

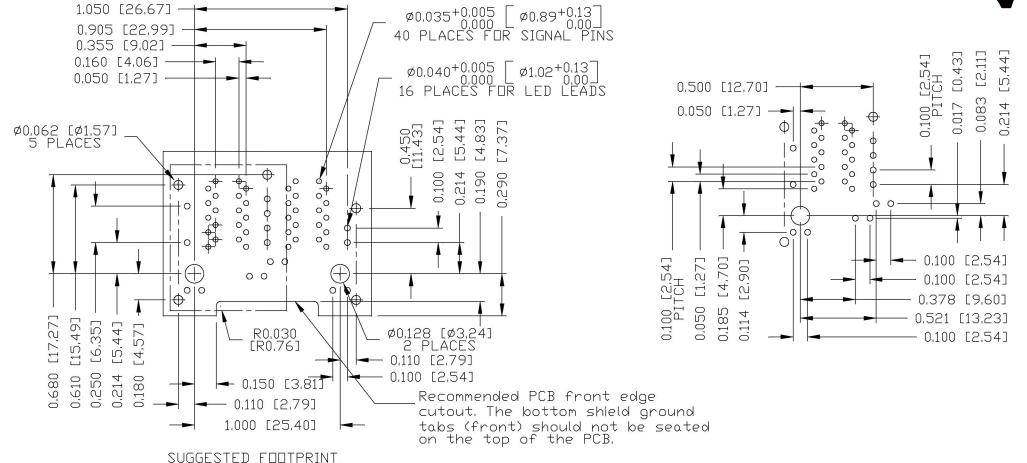
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ORIGINATED BY	TITLE	PAR'
ANTON LIAO	2X2 gigabit MagJack®	
DATE 2016-04-07	WITH UPPER AND LOWER LED	
DRAWN BY	(8 Cores)	FILE
JESSE LI	PATENTED	087
DATE 2016-04-07	TTTTENTED	007

(COMPONENT SIDE VIEW)

0879-2C2R-54		ARD DIM. IN INCH	[] METRIC DIM. AS REF.				
FILE NAME	.X		UNIT : INCH [mm]				
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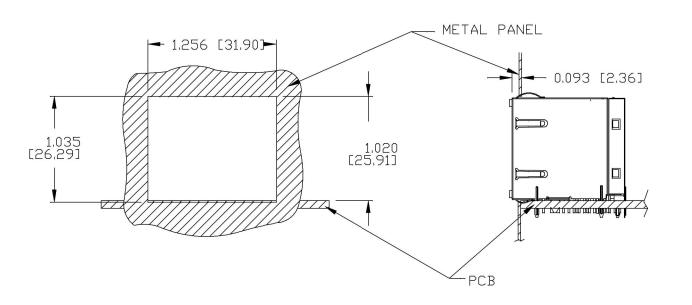
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RoHS

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: 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)

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	007	v		UNIT : INCH [mm]
DRAWN BY	(8 Cores)	FILE NAME	.λ		entr : men [mm]
JESSE LI		0070 2020 54 071/6	.XX		SCALE : N/A
DATE 2016-04-07	MICNICU	0879-2C2R-54_C,DWG	.XXX	±0,004	⊕- SIZE : A4

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