

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.

RoHS



LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	YELLOW	-	+	YELLOW
+	-	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

8mA DC BIAS	350µH 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)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
-----------------	------------

CM TO DM REJ

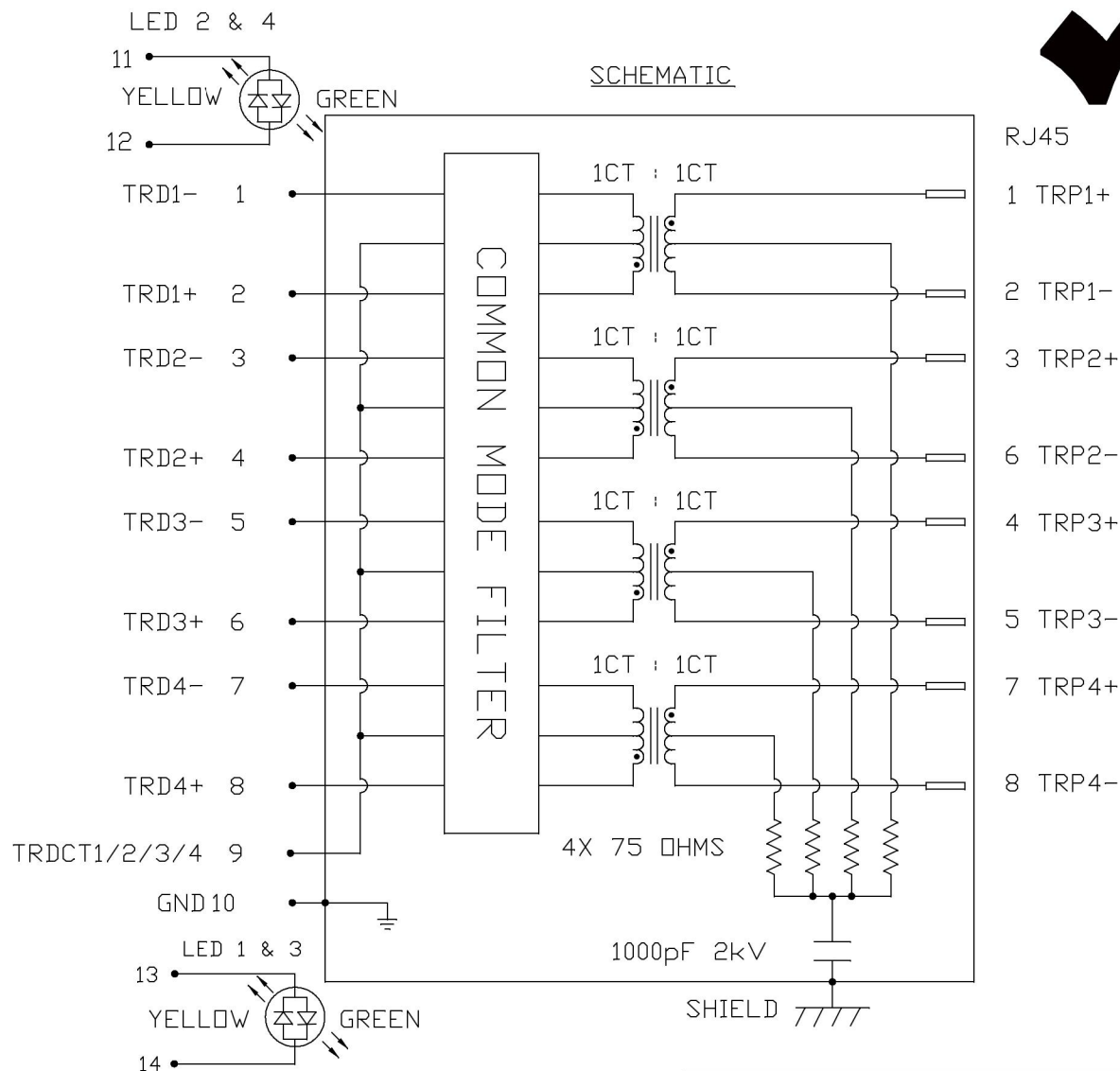
100kHz - 100MHz	-35 dB MIN
-----------------	------------

HIPOT (Isolation Voltage): 1500 Vrms

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

LEDS 1, 2, 3 AND 4

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



ORIGINATED BY
CHOW WANCHUANG
DATE 2016-04-07

DRAWN BY
MURPHY LEE
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

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

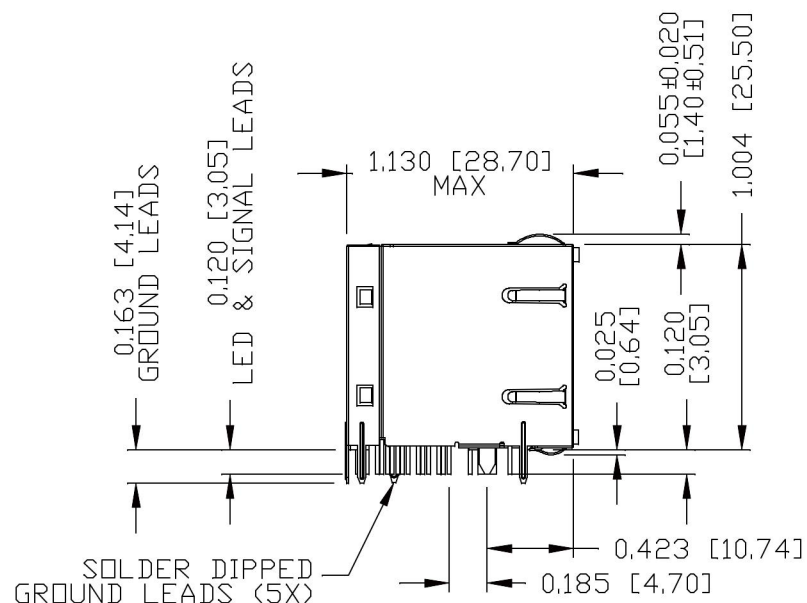
REV. : C

PAGE : 2



bel MAGNETIC
SOLUTIONS
a bel group

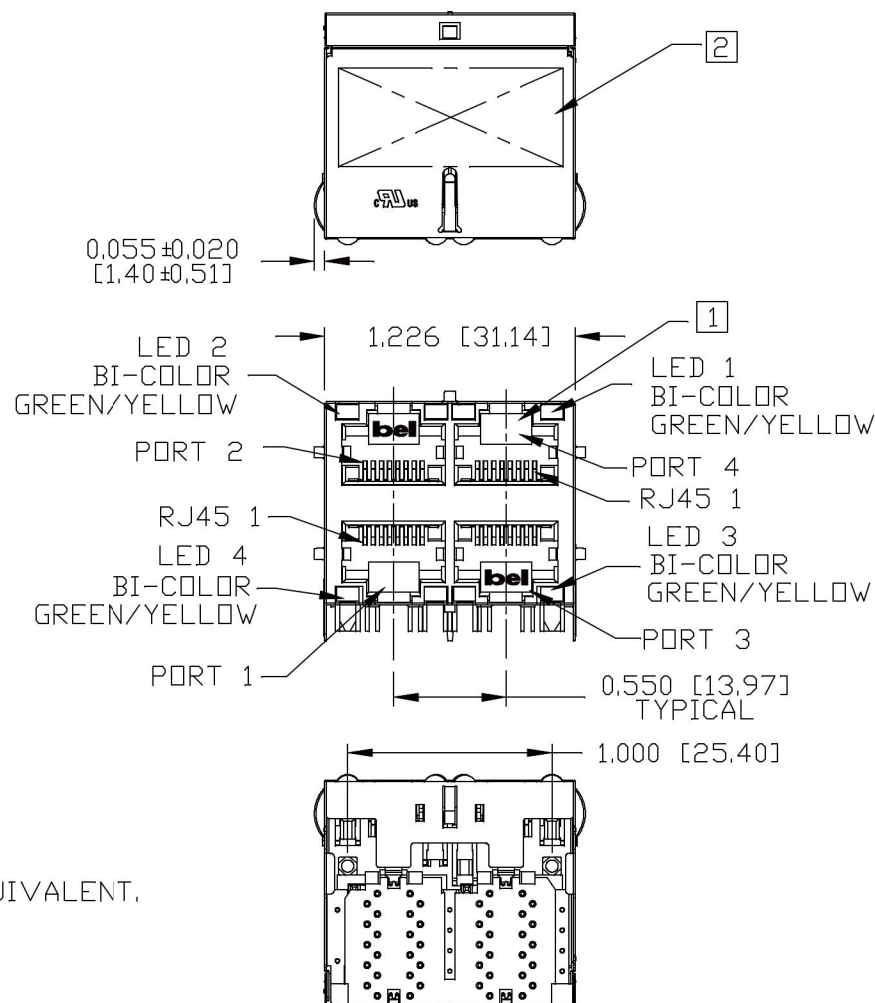
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
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.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
- 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.

ORIGINATED BY
ANTON LIAO
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

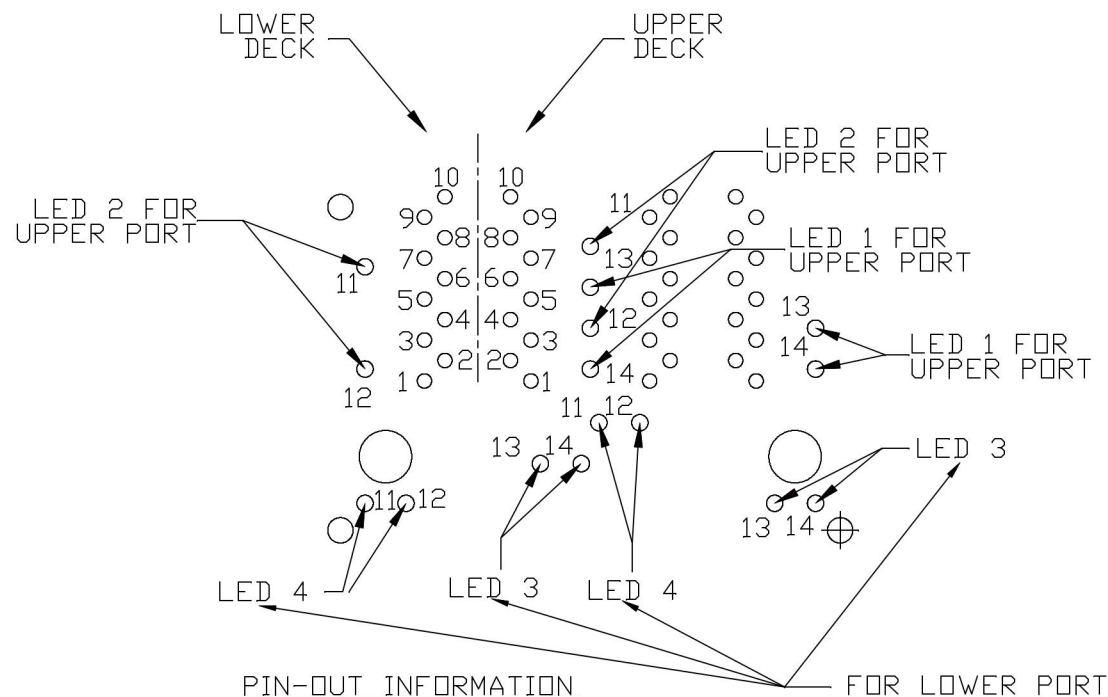
STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.
.X		UNIT : INCH [mm]
.XX		SCALE : N/A
.XXX	±0.010	SIZE : A4

REV. : C	PAGE : 3
----------	----------



bel
a bel group

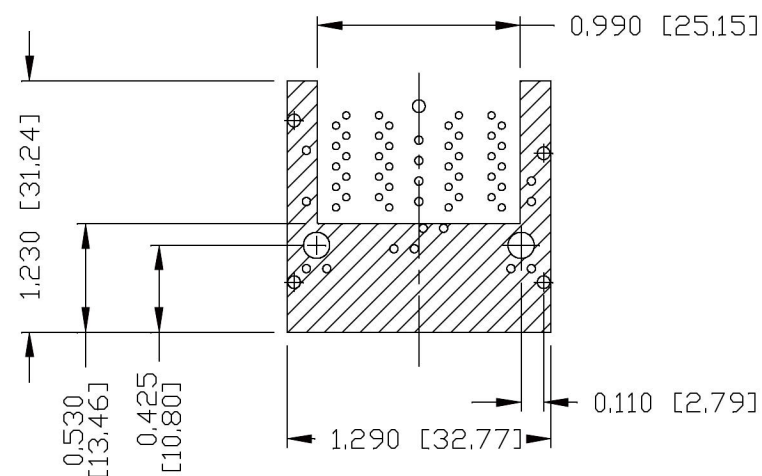
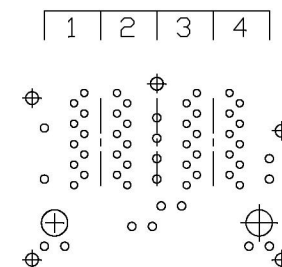
**MAGNETIC
SOLUTIONS**



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

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)



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

ORIGINATED BY
ANTON LIAO
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

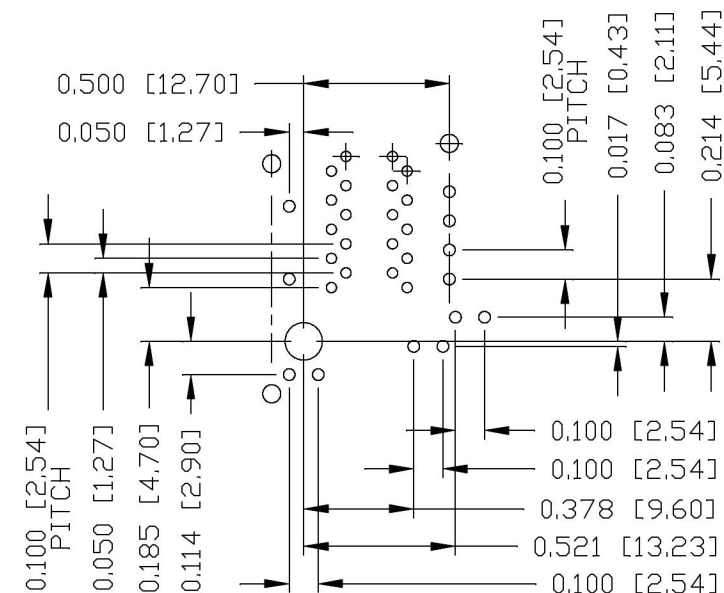
FILE NAME
0879-2C2R-54_C.DWG

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

REV. : C PAGE : 4



RoHS



Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

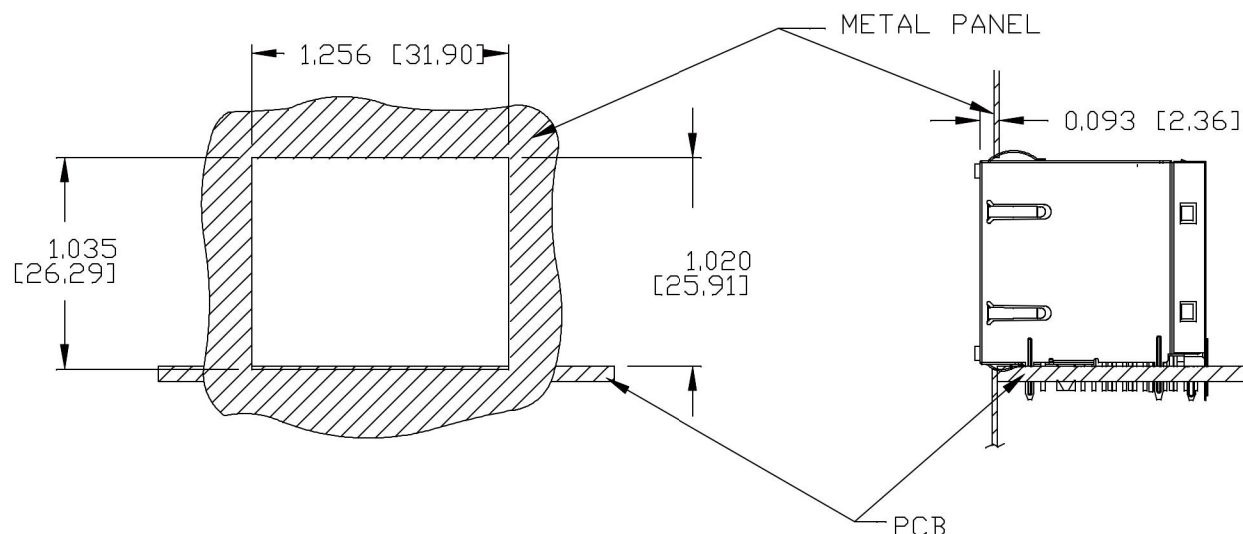
REV. : C	PAGE : 5
----------	----------



**MAGNETIC
SOLUTIONS**

a bel group

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)

REV. : C PAGE : 6

ORIGINATED BY
ANTON LIAO
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

STANDARD DIM.
TOL. IN INCH

.X	
.XX	
.XXX	±0.004

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



bel MAGNETIC
SOLUTIONS
a bel group

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0879-2C2R-54](#)