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**DOCUMENT / PART NO.:** G14-88NV-010N

> TITLE: PRODUCT SPECIFICATION

ISSUE	DESCRIPTION OF CHANGE							REVIEWED BY			APP	APPROVED BY			ECN#			
1	PRELIMINARY					TO	TONY YUAN											
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## PRELIMINARY

# RoHS

#### ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIU TP1	1CT : 1C1
TP2	1CT : 1C7
TP3	1CT : 1C7
TP4	1CT : 1CT
(VAM) 22H 2MI	

INS. LOSS (MAX)

1MHz TO 20MHz -0.8 dB

50MHz -1.0 dB

200MHz -1.2 dB

400MHz -2.0 dB

500MHz -3.0 dB

RET. LOSS (MIN) @ 100 DHMS

1MHz & f & 40MHz 16 dB MIN

40MHz < f (400MHz)  $16-10L\Box G(f/40MHz) dB$ 400MHz < f (500MHz)  $6-30L\Box G(f/400MHz) dB$ 

CM TO CM REJ

1MHz - 500MHz -25 dB MIN

CM TO DM REJ

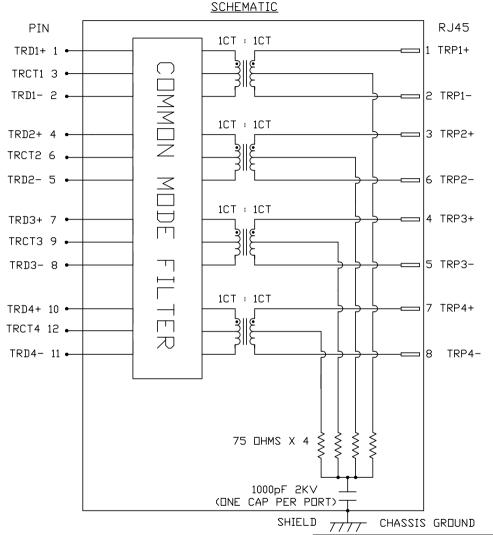
1MHz - 500MHz -30 dB MIN

HIPOT (Isolation Voltage): 2250VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

IEEE 802.3 ISOLATION REQUIREMENTS.

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



ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [ ] METRIC DIM. BILL LIU AS REF. TOL. IN INCH G14-88NV-010N **DATE** 2024-07-16 2X4 10 Gigabit MagJack® UNIT : INCH [mm] DRAWN BY FILE NAME PATENTED SCALE : N/A TERRY LIN .XX G14-88NV-010N\_1.DWG **DATE** 2024-07-16 ⊕-⊟ SIZE : A4 XXX.

bel magnetic solutions

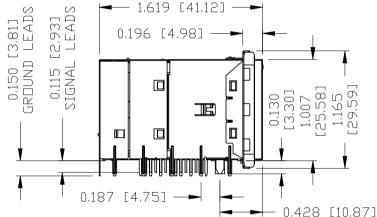
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2

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PRELIMINARY



PLASTIC HOUSING: CONTACT PLATING:

NOTES:

THERMOPLASTIC PBT, FLAMMABILITY RATING UL 94V-0 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT

TIN-COATED COPPER WIRE, DIA 0.018 INCH. 100 MICRO-INCH MIN MATTE TIN. PINS

ARE SOLDER DIPPED.

METAL SHIELD:

**DUTPUT PINS:** 

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

c Nus ul recognized - file #E169987.

4 THE PRODUCT IS PATENTED. "PATENTED" MARKING IS ON THE TOP SURFACE. THE PATENT NUMBER ARE U.S. PAT. 7,429,195 & U.S. PAT. 6,840,817 & U.S. PAT. 7,924,130 AND U.S. PAT. 7,123,117.

2.508 [63,70]

2.330 [59.18]

2,100 [53,34]

- 5. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.
- 6. THE FINISHED GOODS IS WITHOUT SMD LED. THE SMD LED IS PROVIDED BY CUSTOMER HERSELF. AND THE SMD LED IS MOUNTED ON CUSTOMER PCB.
- 7 THE UL LOGO IS ON THE TOP SURFACE OF METAL SHIELD, AND IT IS COVERED BY THE EMI FLANGE.

ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM [ ] METRIC DIM. TONY YUAN AS REF. TOL. IN INCH G14-88NV-010N 2X4 10 Gigabit MagJack® **DATE** 2024-07-16 UNIT : INCH [mm] DRAWN BY FILE NAME PATENTED SCALE : N/A RICK LI XX. G14-88NV-010N 1.DWG **DATE** 2024-07-16 ⊕-⊟ SIZE : A4 ±0.010 .XXX

PAGE: 3

PAGE: 3

MAGNETIC SOLUTIONS
a bel group

**RoHS** 

LIGHT PIPE 6

PORT 8

- RJ45 1

PURT 7

0.550 [13.97]

TYPICAL

7

LIGHT PIPE 6

PORT 2

RJ45 1

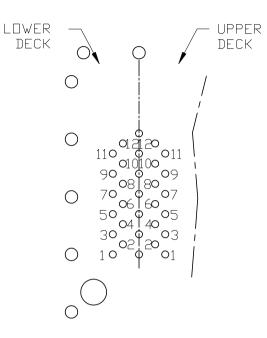
PURT 1



## PRELIMINARY

### PORT ASSIGNMENT (COMPONENT SIDE VIEW)





PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

TITLE

10	TRD4+			
9	TRCT3			
8	TRD3-			
7	TRD3+			
6	TRCT2			
5	TRD2-			
4	TRD2+			
3	TRCT1			
2	TRD1-	12	TRCT4	
1	TRD1+	11	TRD4-	

2.090 [53.09] 0.105 [2.67] 0.122 [3.10] -[39,73] 0,554 0,425 1,673 564 0.145 [3.68] — 2,390 [60,71]

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

ORIGINATED BY TONY YUAN 2024-07-16 DATE DRAWN BY RICK LI

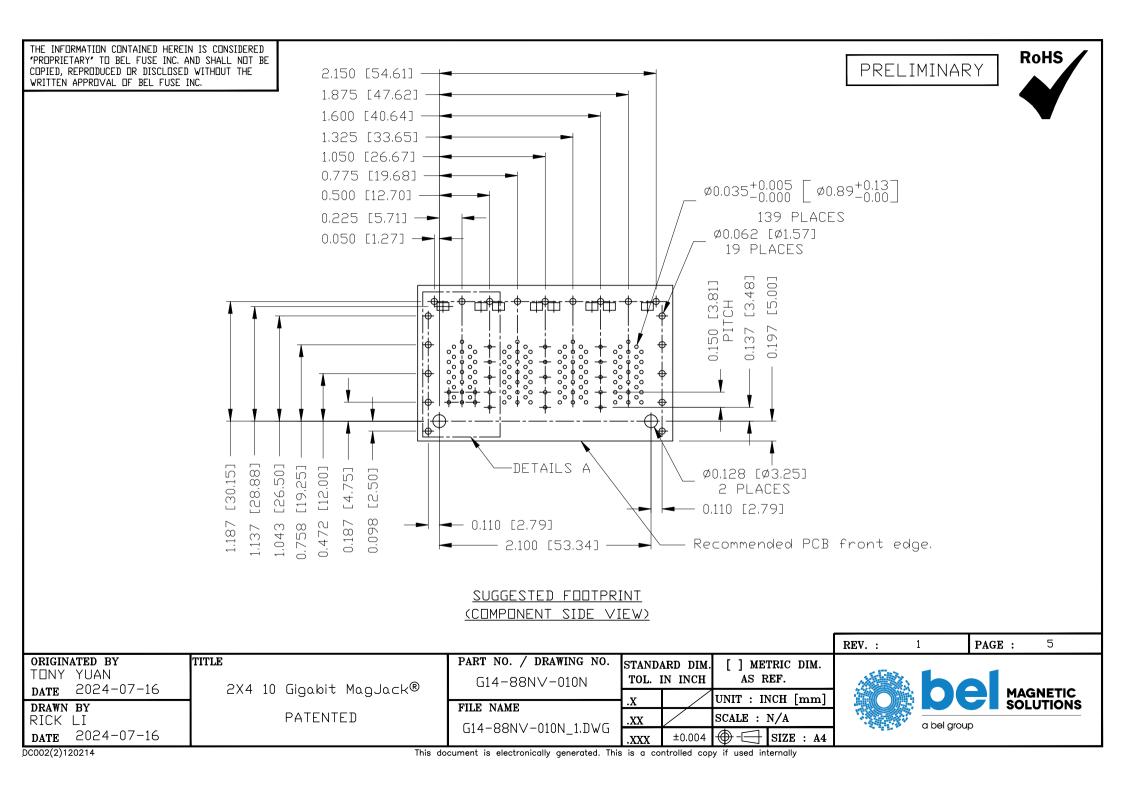
**DATE** 2024-07-16

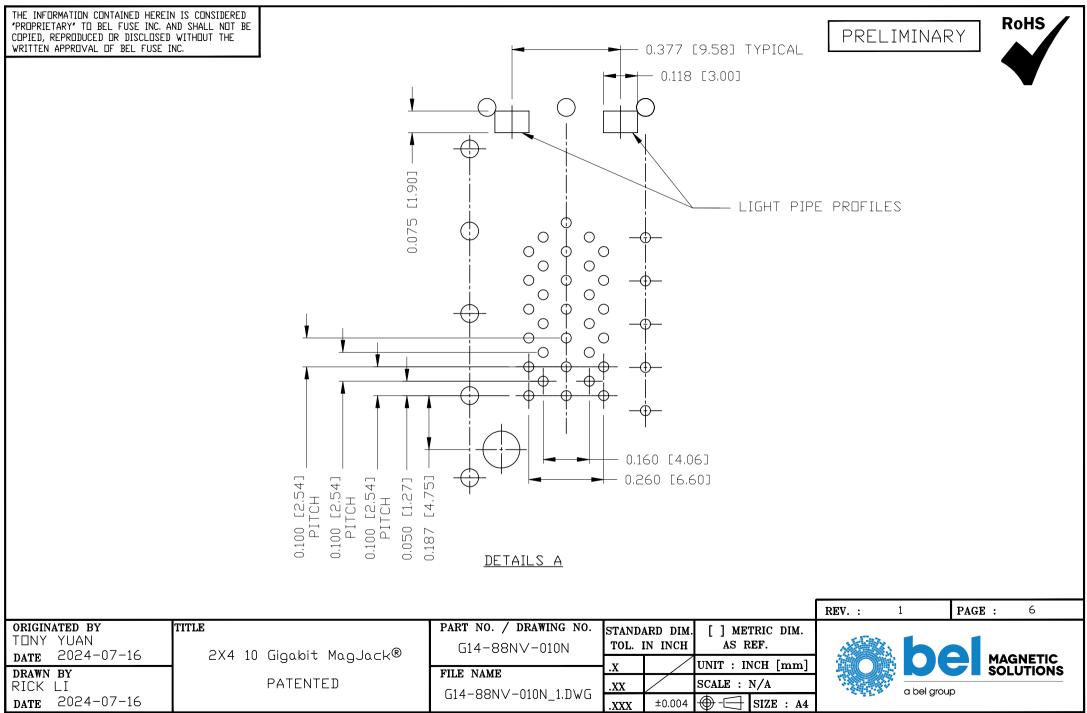
2X4 10 Gigabit MagJack® PATENTED

PART NO. / DRAWING NO. STANDARD DIM TOL. IN INCH G14-88NV-010N FILE NAME .XX G14-88NV-010N\_1.DWG

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





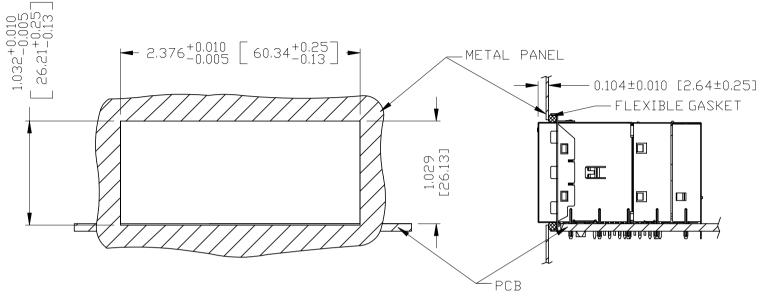


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#### SUGGESTED PANEL OPENING







- 1. 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.
- 2. RECOMMENDED COMPRESSION OF THE FLEXIBLE GASKET MATERIAL OF 25%.
- 3, RECOMMENDED FLEXIBLE GASKET THICKNESS BEFORE COMPRESSION IS 0.103 INCH.
- 4. THE FLEXIBLE GASKET CAN BE ORDERD SEPARATELY VIA PART NUMBER 0080M1700-04.

#### PACKING INFORMATION

NOTES:

PACKING TRAY: 0200M9999-L1 (TOP)

0200M9999-L0 (BOTTOM)

PACKING QUANTITY: 12 PCS FINISHED GOODS PER TRAY.

7 TRAYS (84 PCS FINISHED GOODS) PER CARTON BOX.

REMARK : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM.	
TONY YUAN	2X4 10 Gigabit MagJack®	G14-88N∨-010N		IN INCH		
<b>DATE</b> 2024-07-16	ZX4 IU digabit Magjacko		Y		UNIT : INCH [mm]	
<b>drawn by</b> RICK LI	PATENTED	FILE NAME	.XX		SCALE : N/A	
<b>DATE</b> 2024-07-16		G14-88NV-010N_1.DWG	.XXX	±0.005	⊕-⊟ SIZE : A4	
DC000(0)100014	Th:- d-	accompany to all advantagells, as a supplied. This	_ !	سمم لممالمسلم	14	

