





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

TITLE: PRODUCT SPECIFICATION

ISSUE			DES	CRIPT	TON O	F CHA	NGE		1	REVIE	WED B	Y	APP	ROVED	BY	EC	N#
1	PRELIMINARY					TO	TONY YUAN										
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PRELIMINARY

RoHS

ELECTRICAL CHARACTERISTICS @ 25°C

UKNZ KATIL	
TP1	1CT : 1C
TP2	1CT : 1C
TP3	1CT : 1C
TP4	1CT : 1C
NS. LOSS (MAX)	

NS. LUSS (MAX)

1MHz TD 20MHz -0.8 dB

50MHz -1.0 dB

200MHz -1.2 dB

400MHz -2.0 dB

500MHz -3.0 dB

RET. LOSS (MIN) @ 100 OHMS

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.

	SCHEMATIC
PIN	RJ45
TRD1+ 1 •─	1CT : 1CT — 1 TRP1+
TRCT1 3 •—	
TRD1- 2 ←	2 TRP1-
TRD2+ 4 •─	2 TRP1- 1CT : 1CT 3 TRP2+ 1CT : 1CT 4 TRP3+
TRCT2 6 •	
TRD2- 5 ←	
TRDE 0	
TRD3+ 7 •─	1CT : 1CT 4 TRP3+
TRCT3 9 ←	
TRD3- 8 •─	1 1 7"4 111 1
IKD3- 8 •	
TDD 4	1CT : 1CT 7 TRP4+
TRD4+ 10 •─	7 TRP4+
TRCT4 12 ←	
TRD4- 11 •─	
	75 DHMS X 4 \$ \$ \$ \$
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	1000pF 2KV
	(ONE CAP PER PORT)
	SHIELD /// CHASSIS GROUND

SCHEMATIC

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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REV. :

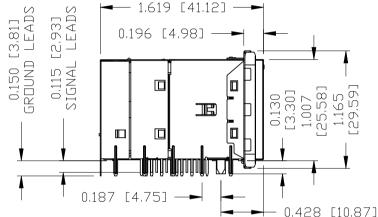
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PRELIMINARY



PLASTIC HOUSING: CONTACT PLATING:

DUTPUT PINS:

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: 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 Tius 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 ±0.010 + SIZE : A4 .XXX

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RoHS

LIGHT PIPE 6

2

PORT 8

- RJ45 1

PURT 7

0.550 [13.97]

TYPICAL

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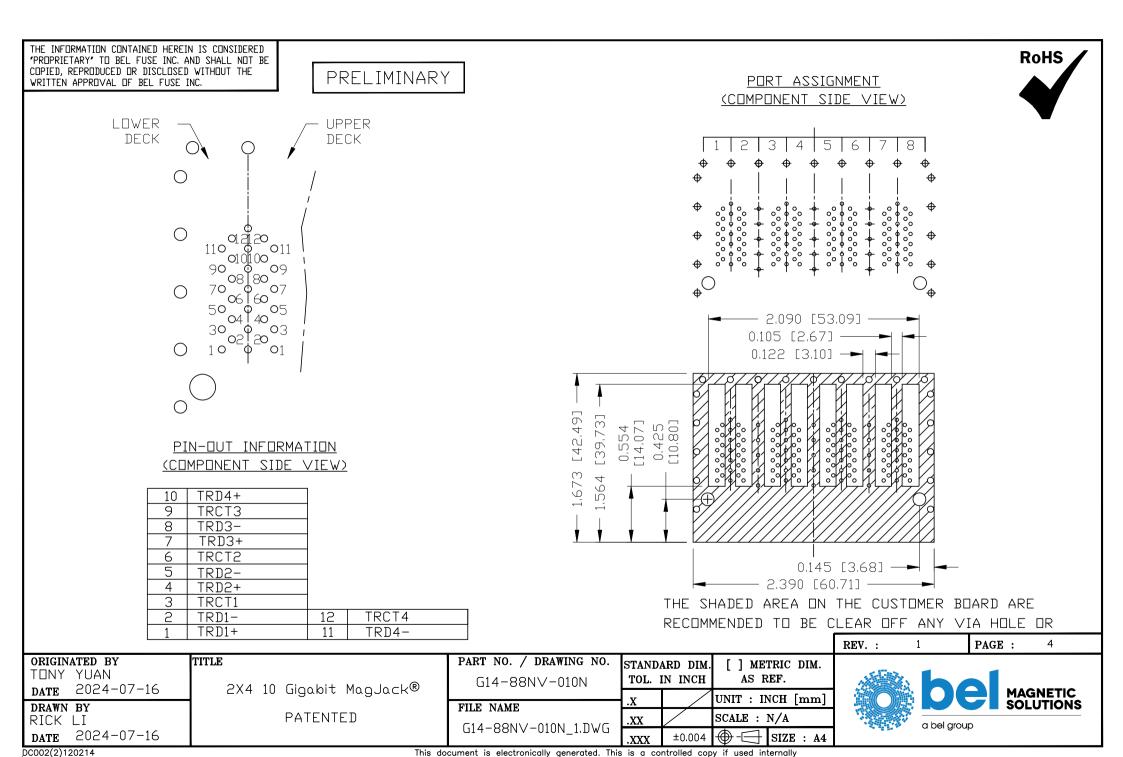
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LIGHT PIPE 6

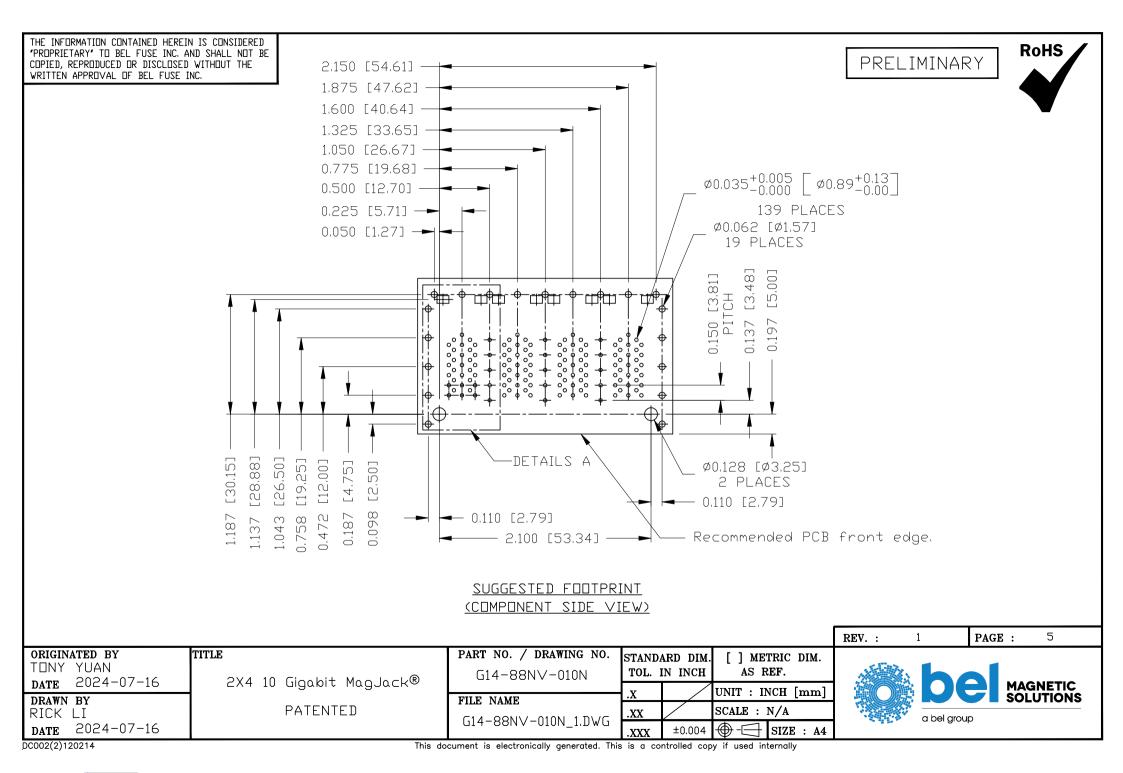
PORT 2

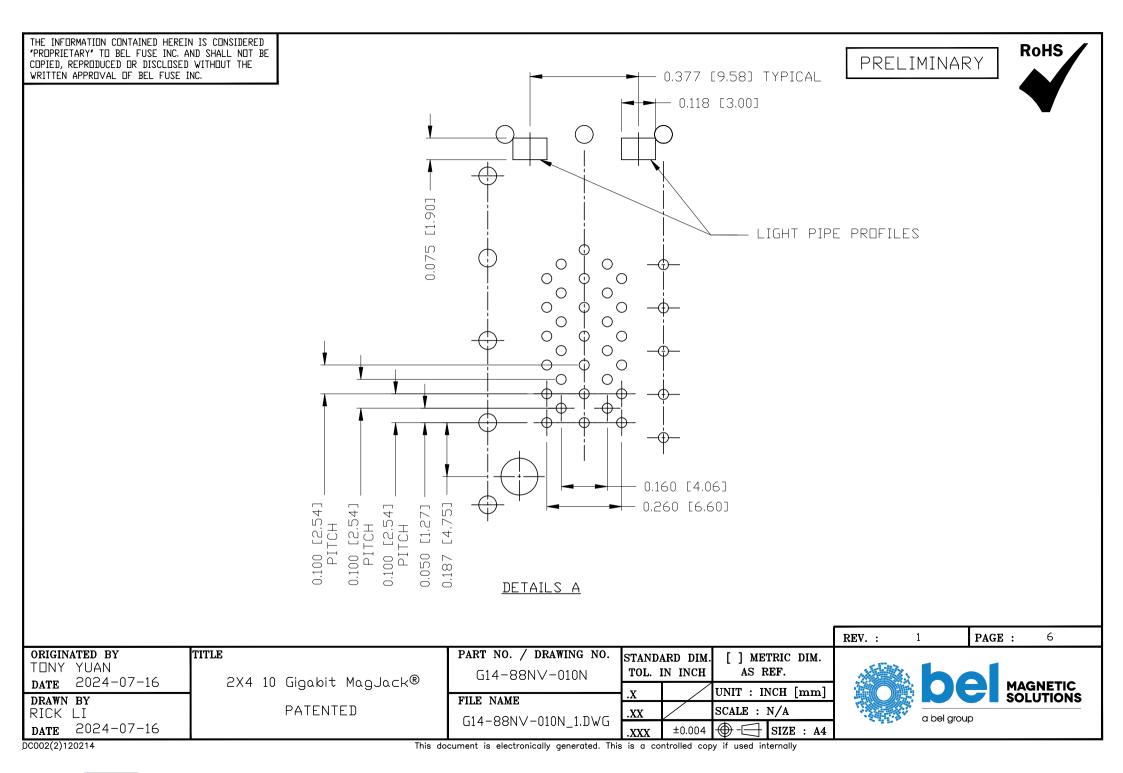
RJ45 1

PURT 1



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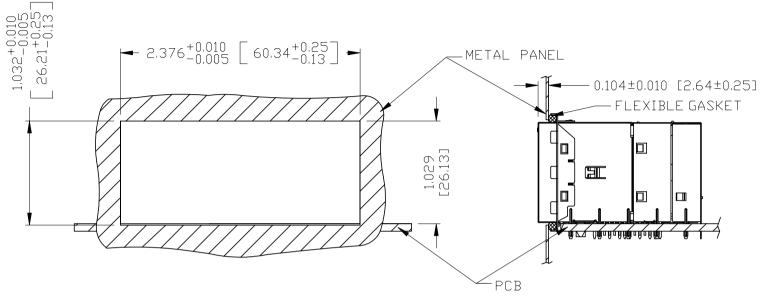


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SUGGESTED PANEL OPENING







- 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		G14-88N∨-010N	TOL. 1	IN INCH	AS REF.			
DATE 2024-07-16	2X4 10 Gigabit MagJack®	d1	<u>, , , , , , , , , , , , , , , , , , , </u>		UNIT : INCH [mm]			
DRAWN BY		FILE NAME	.X		onii : mon [mm]			
RICK LI	PATENTED	C14 OONLY 010N 1 DV/C	.XX		SCALE : N/A			
DATE 2024-07-16		G14-88NV-010N_1.DWG	.XXX	±0.005	⊕- SIZE : A4			
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