





G28-D8NV-011K **DOCUMENT / PART NO.:**

> TITLE: PRODUCT SPECIFICATION

ISSUE		DESCRIPTION OF CHANGE								F	REVIEWED BY			APPROVED BY			ECN#	
1	PRELIMINARY								TO	TONY YUAN								
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PRFI IMINARY

RoHS

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TP1	1CT : 1CT
TP2	1CT : 1CT
TP3	1CT : 1CT
TP4	1CT : 1CT
INS. LOSS (MAX)	
1MHz T□ 20MHz	-0.8 dB

RET, LOSS (MIN) @ 100 OHMS

 $1MHz \leqslant f \leqslant 40MHz$ 16 dB MIN $16-10L\Box G(f/40MHz) dB$

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

CM TH CM REJ

50MHz

200MHz

400MHz

500MHz

1MHz - 500MHz -25 dB MIN

CM TO DM REJ

1MHz - 500MHz -25 dB MIN

HIPOT (Isolation Voltage): 2250VDC

100% OF PRODUCTION TESTED TO COMPLY WITH

TITLE

IEEE 802.3 ISOLATION REQUIREMENTS.

BALANCED DC LINE CURRENT 600mA MAX, CONTINUOUS.

1.2A MAX. FOR 200 MILLISECONDS.

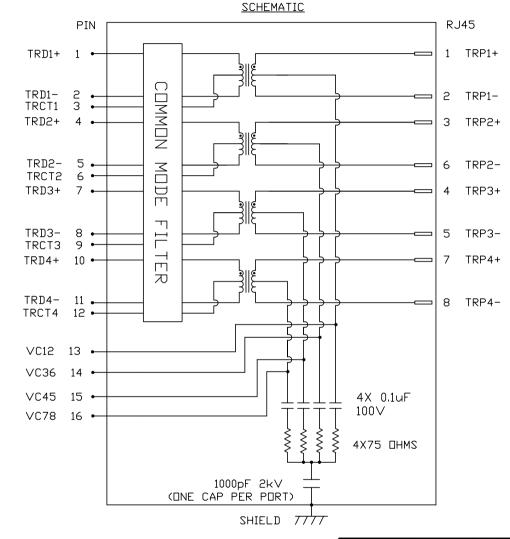
-1.0 dB

-1.2 dB

-2.0 dB

-3.0 dB

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



ORIGINATED BY						
BILL	LIU					
DATE	2024-07-18					
DRAWN BY						
DRAWN	DI					
TERR'						

2X8 10 Gigabit MagJack® 4PPoE, 60W PATENTED

PART NO. / DRAWING NO. G28-D8NV-011K FILE NAME G28-D8NV-011K_1.DWG STANDARD DIM [] METRIC DIM. TOL. IN INCH AS REF. SCALE: N/A XX.

UNIT : INCH [mm]

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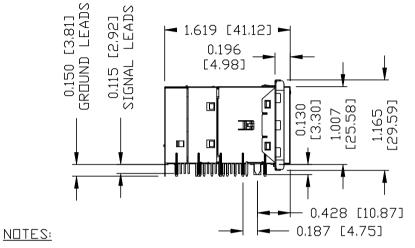
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PRELIMINARY



LIGHT PIPE 6

4.708 [119.58]

4.530 [115.06]

PORT 2

PORT 16

RJ45 1

PORT 1

PORT 15

4.300 [109.22]

0.0

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK.

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.

100 MICRO-INCH MIN MATTE TIN. PINS ARE

SOLDER DIPPED.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

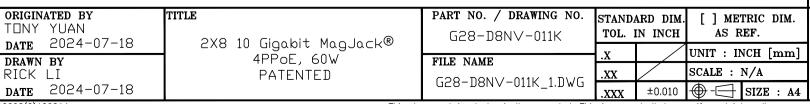
- 1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- 2. MARK PART WITH MFG LOGO, NAME, PART NUMBER AND DATE CODE.
- 3. THE PRODUCT IS ROHS COMPLIANT.
 - c Nius UL RECOGNIZED FILE #E169987.

- 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. 7,123,117 AND U.S. PAT. 7,924,130.
- 5. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.
- 5. 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 PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

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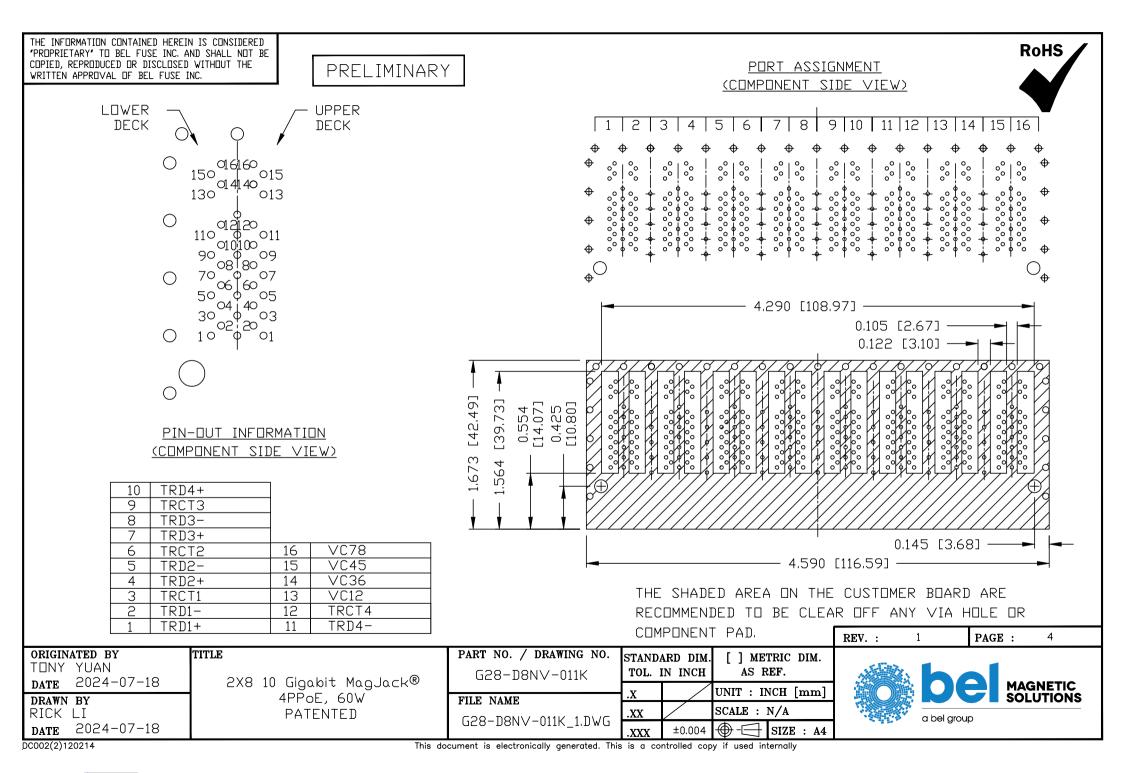
RoHS

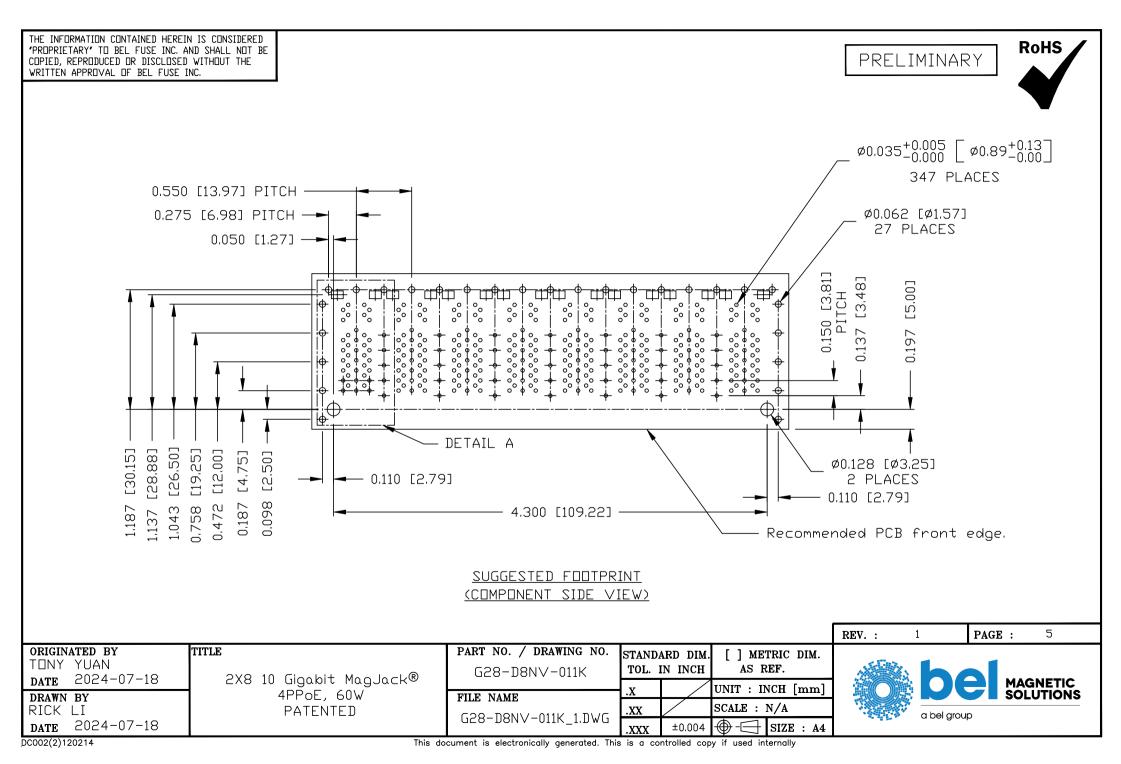
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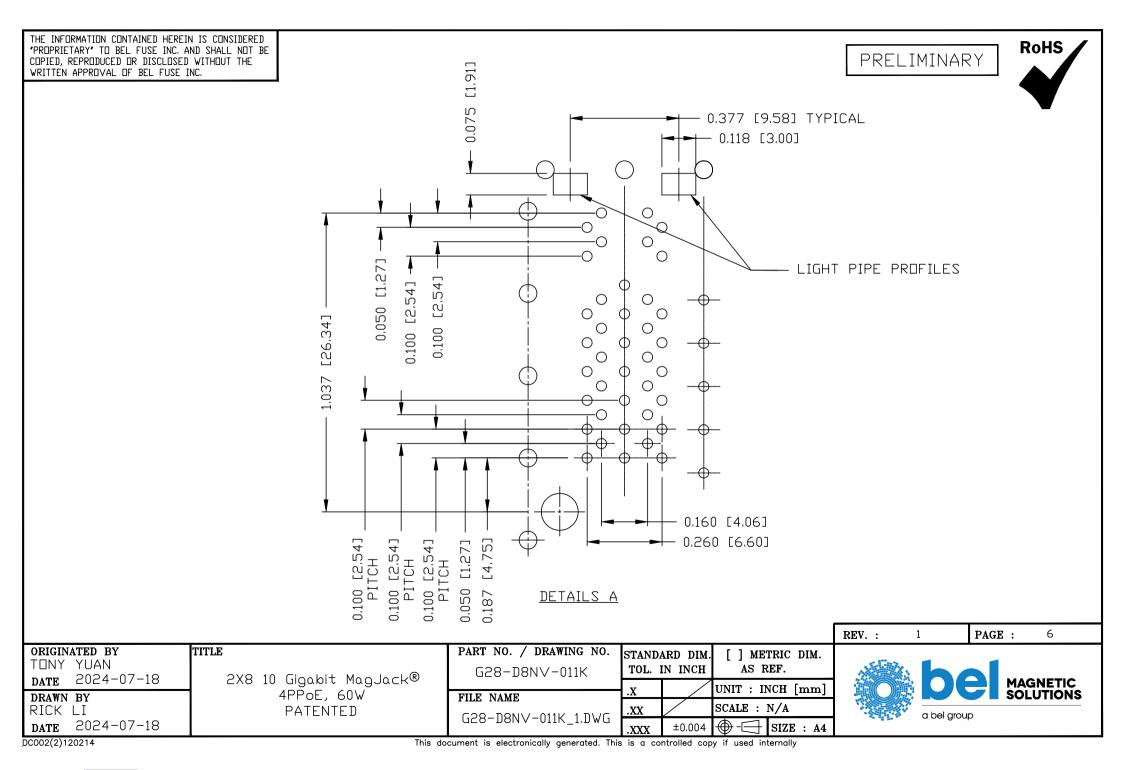
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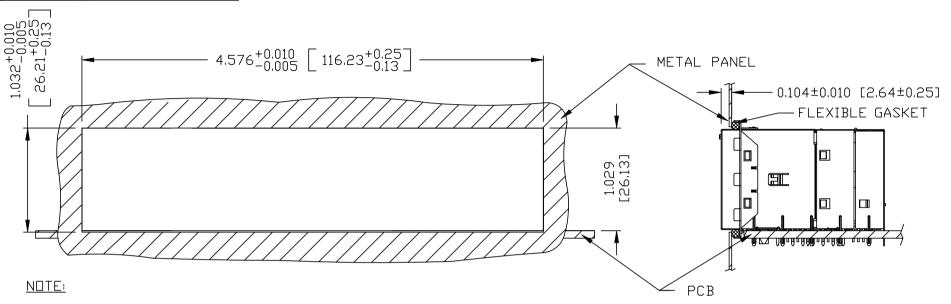


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SUGGESTED PANEL OPENING







- 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 0080M1700-05.

PACKING INFORMATION

PACKING TRAY : 0200-9999-D1 (TOP)

0200-9999-D9 (BOTTOM)

PACKING QUANTITY: 10 PCS FINISHED GOODS PER TRAY.

5 TRAYS (50 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 DATE 2024-07-18	2VO 10 Cinclett Man lagur	G28-D8N∨-011K	TOL. 1	IN INCH	AS REF.
D.111.D	2X8 10 Gigabit MagJack®		v		UNIT : INCH [mm]
DRAWN BY	4PPoE, 60W	FILE NAME	.л	/	
RICK LI	PATENTED	G28-D8NV-011K_1.DWG	.XX		SCALE : N/A
DATE 2024-07-18		מבס_חסוו א_חווע_ויח אמ	.xxx	±0.005	⊕-⊟ SIZE : A4

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