





**DOCUMENT / PART NO.:** G37-D8NV-011K

TITLE: PRODUCT SPECIFICATION

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

# RoHS

#### ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TP1	1CT : 1CT
TP2	1CT : 1CT
TP3	1CT : 1CT
TP4	1CT : 1CT
INS. LOSS (MAX)	
1MHz TO 20MHz	-0.8 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  $6-301 \, \Pi G(f/400MHz) \, dB$ 

CM TO 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

IEEE 802.3 ISOLATION REQUIREMENTS.

BALANCED DC LINE CURRENT 600mA MAX, CONTINUOUS.

1.2A MAX. FOR 200 MILLISECONDS.

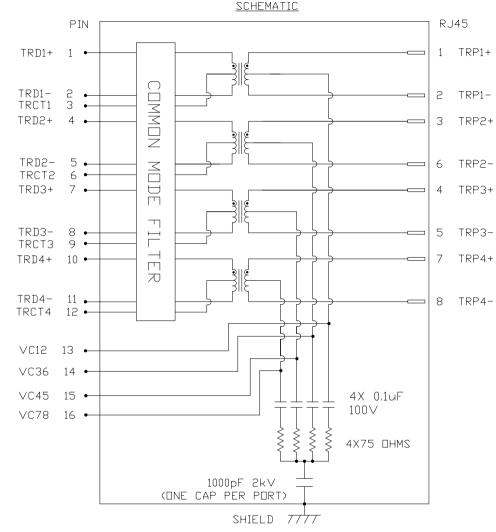
-1.0 dB

-1.2 dB

-2.0 dB

-3.0 dB

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



ORIGINATED BY	TITLE
BILL LIU	2 X :
<b>DATE</b> 2024-07-16	
DRAWN BY	1
TERRY LIN	
<b>DATE</b> 2024-07-16	

(8 10 Gigabit MagJack® 4PPoE 60W PRESS FIT PATENTED

PART NO. / DRAWING NO. G37-D8NV-011K FILE NAME G37-D8NV-011K 1.DWG

STANDARD DIM. TOL. IN INCH SCALE : N/A .XX

[ ] METRIC DIM. AS REF.

UNIT : INCH [mm]

SIZE : A4

REV. :

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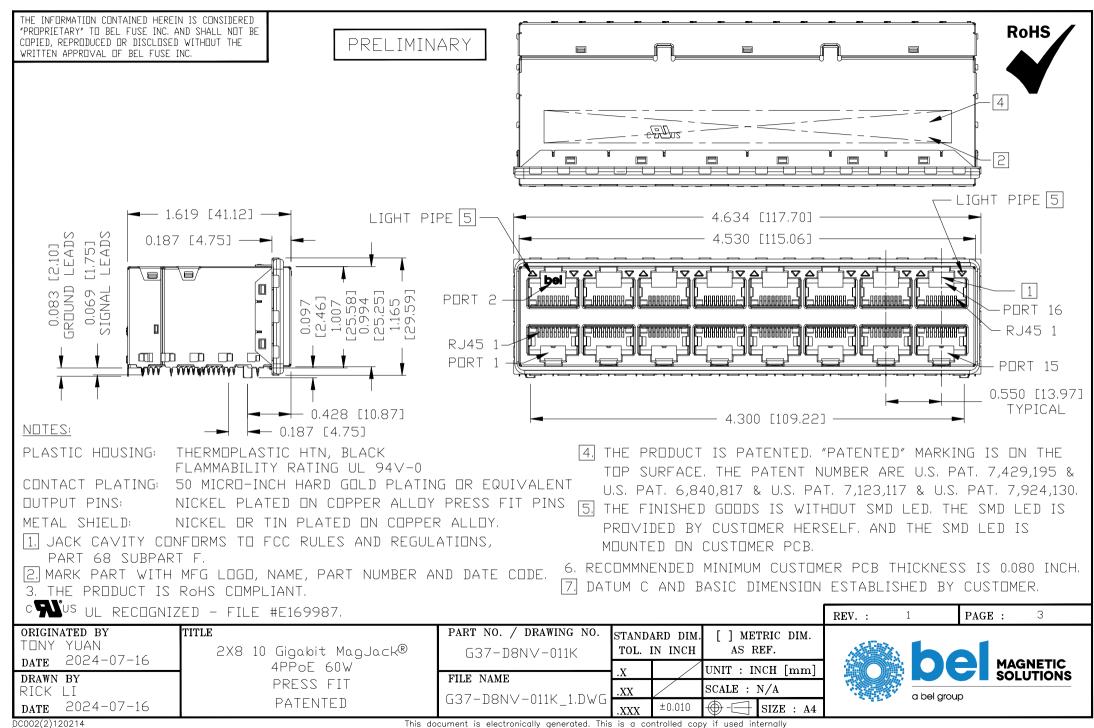
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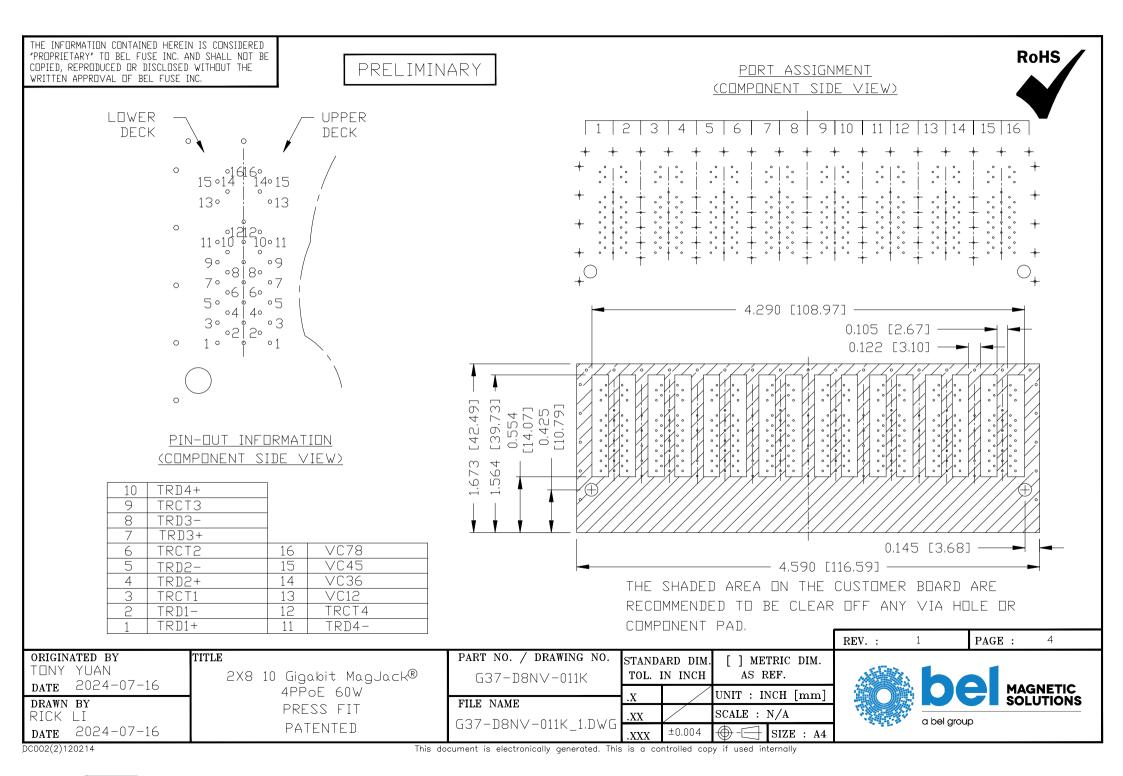
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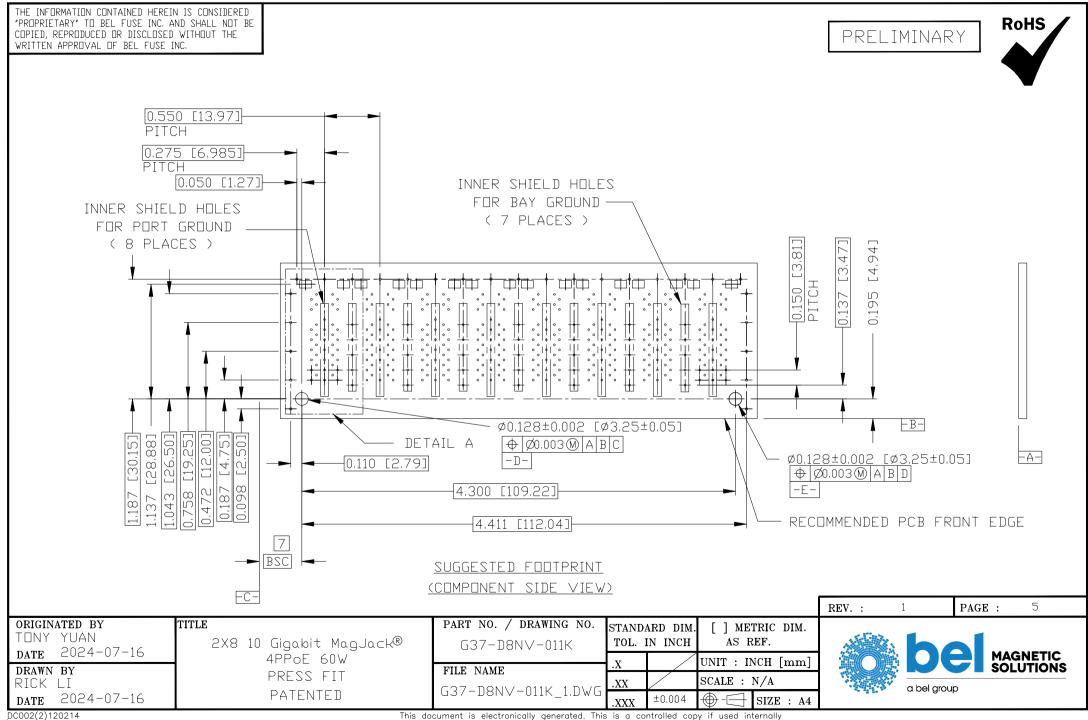
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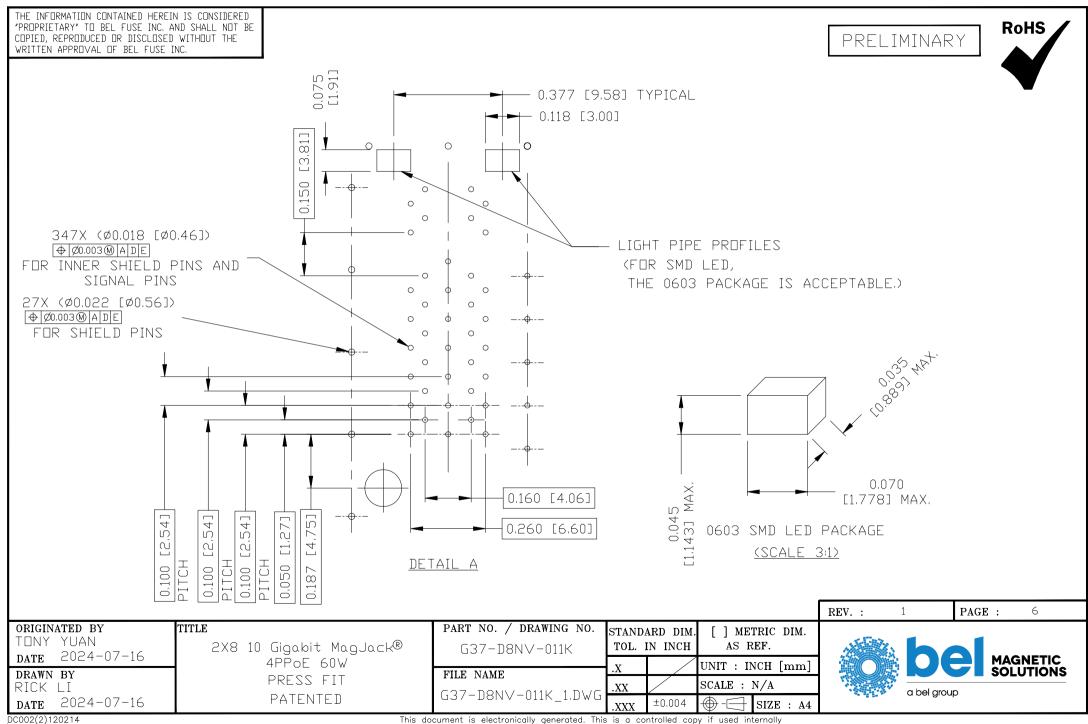


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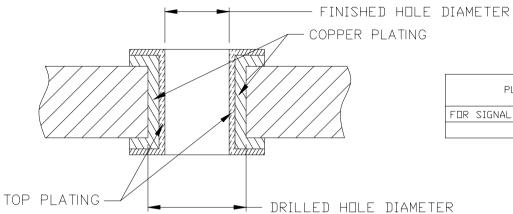
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PLATED-THROUGH-HOLE	DRILLED HOLE DIAMETER	FINISHED HOLE DIAMETER				
FOR SIGNAL PINS AND INNER SHIELD PINS	0.022 [0.57]	(0.018 [0.46]) REF				
FOR SHIELD PINS	0.026 [0.66]	(0.022 [0.56]) REF				

#### PLATED-THROUGH-HOLE CROSS-SECTION

PLATING	THICKNESS IN MICRO-INCHES [MICRONS]
COPPER	1000-2000 [25-50]
TOP PLATING - USE ONE OPTION LISTED BELOW:	
HOT AIR SOLDER LEVELING (HASL) TIN-LEAD (Sn-Pb)	160-400 [4-10]
IMMERSION TIN (Sn)	20-40 [0.5-1.0]
ORGANIC SOLDERABILITY PRESERVITAVE (OSP)	10-20 [0.2-0.5]
IMMERSION GOLD (Au) OVER NICKEL (Ni) (ENIG)	5-20 [0.1-0.5] (Au) DVER 50-100 [1.2-2.5] (Ni)
TIN-LEAD (Sn-Pb)	400-1000 [10-25]
IMMERSION SILVER (Ag)	5-8 [0.10-0.15]

## RECOMMENDED PLATED-THROUGH-HOLE CONSTRUCTION DETAILS FOR PRESS-FIT PINS

ORIGINATED BY TITLE TONY YUAN DATE 2024-07-16 DRAWN BY

RICK LI DATE 2024-07-16 2X8 10 Gigabit MagJack® 4PPoE 60W PRESS FIT PATENTED

PART NO. / DRAWING NO. G37-D8NV-011K FILE NAME G37-D8NV-011K 1.DWG

[ ] METRIC DIM. STANDARD DIM. AS REF. TOL. IN INCH UNIT : INCH [mm] SCALE : N/A .XX ±0.005 SIZE : A4 REV. : a bel group

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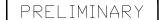
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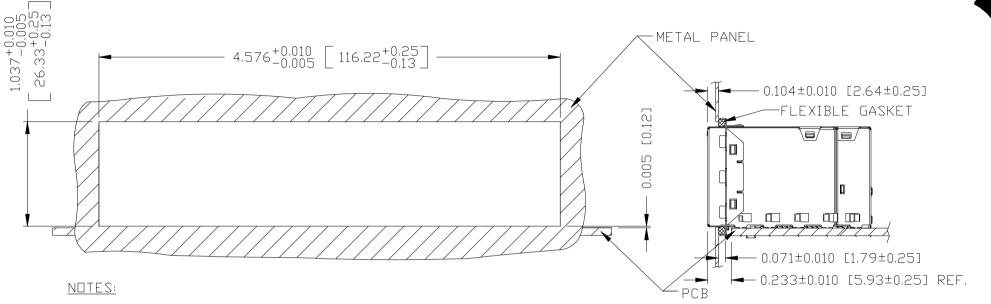
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#### SUGGESTED PANEL OPENING







- 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: 0200M9999-M1 (TOP)

0200M9999-R9 (BOTTOM)

PACKING QUANTITY: 6 PCS FINISHED GOODS PER TRAY.

7 TRAYS (42 PCS FINISHED GOODS) PER CARTON BOX.

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

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.				
TONY YUAN	2X8 10 Gigabit MagJack®	G37-D8NV-011K	TOL.	IN INCH	AS REF.				
DATE 2024-07-16	4PPoE 60W		v		UNIT : INCH [mm]				
DRAWN BY	DDECC EIT	FILE NAME	-Λ						
RICK LI	PRESS FIT		.XX		SCALE : N/A				
<b>DATE</b> 2024-07-16	PATENTED	G37-D8NV-011K_1.DWG	.XXX	±0.005	SIZE : A4				

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