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

> TITLE: PRODUCT SPECIFICATION

ISSUE	DESCRIPTION OF CHANGE						REVIEWED BY APPROVED BY					EC	N#					
1	PRELIMINARY								TO	TONY YUAN								
PAGE	1	2	3	4	5	6	7	8										
REV.	1	1	1	1	1	1	1	1										
PAGE																		
<b>REV.</b> DC0011202	14				This docu	ment is el	ectronical	ly generat	ed. This is	a control	led copy i	f used inte	rnallv			Page 1	of 8	

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### PRELIMINARY

# RoHS

#### ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	
TP1	1CT : 1CT
TP2	1CT : 1CT
TP3	1CT : 1CT
TP4	1CT : 1CT
NS. LOSS (MAX)	
1MHz TO 20MHz	-0.8 dB
50MHz	-1.0 dB
200MHz	-1.2 dB
400MHz	-2.0 dB

RET. LOSS (MIN) @ 100 OHMS

 $1MHz \leqslant f \leqslant 40MHz$ 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

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

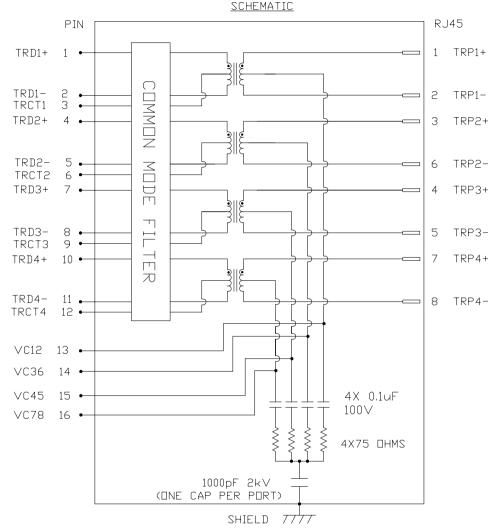
IEEE 802.3 ISOLATION REQUIREMENTS.

BALANCED DC LINE CURRENT 600mA MAX, CONTINUOUS.

1.2A MAX. FOR 200 MILLISECONDS.

-3.0 dB

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



ORIGINATED BY					
BILL					
DATE	2024-07-16				
DRAWN	BY				
TERRY	' LIN				
DATE	2024-07-16				

TITLE 2X8 10 Gigabit MagJack® 4PPoF 60W PRESS FIT PATENTED

PART NO. / DRAWING NO. G37-D8NV-011K FILE NAME G37-D8NV-011K 1.DWG STANDARD DIM. TOL. IN INCH .XX

[ ] METRIC DIM. AS REF.

UNIT : INCH [mm] SCALE: N/A

+ SIZE : A4

REV. :

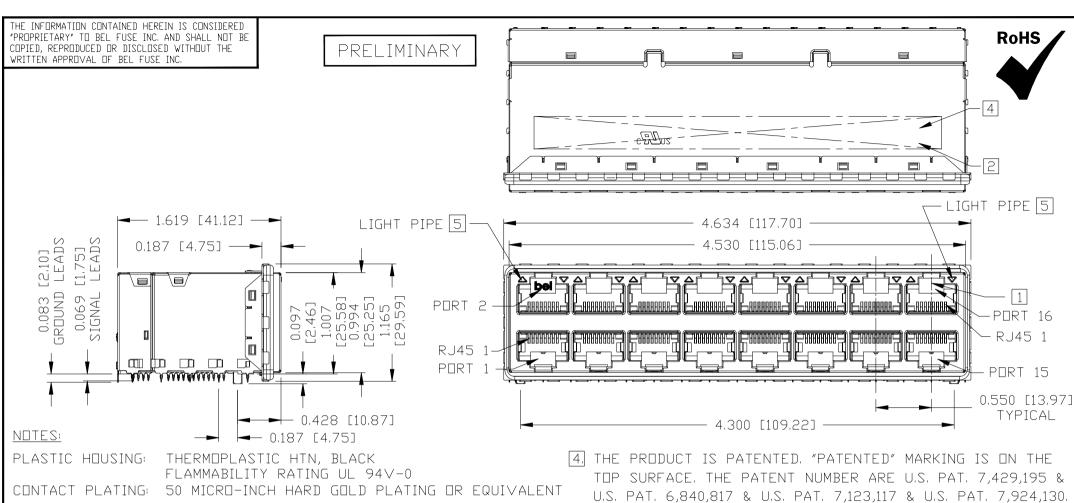
a bel group

PAGE:

2

DC002(2)120214

XXX.



DUTPUT PINS: NICKEL PLATED ON COPPER ALLOY PRESS FIT PINS

METAL SHIELD: NICKEL OR TIN PLATED ON COPPER ALLOY.

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.

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.

6. RECOMMNENDED MINIMUM CUSTOMER PCB THICKNESS IS 0.080 INCH.

DATUM C AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

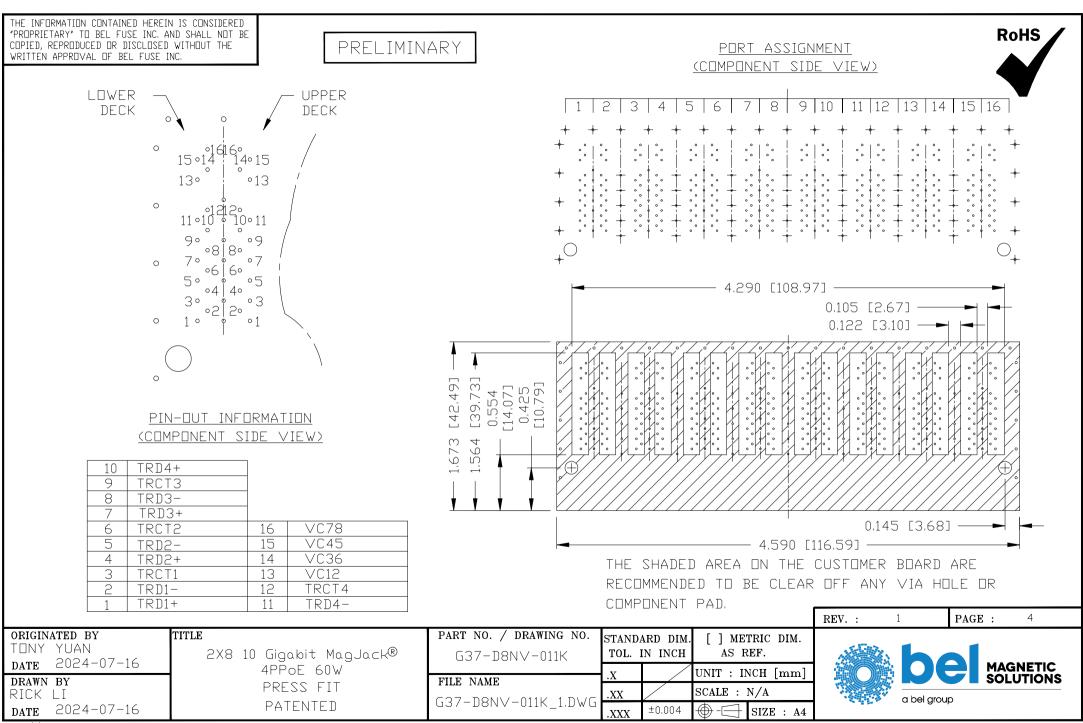
UL RECOGNIZED - FILE #E169987.

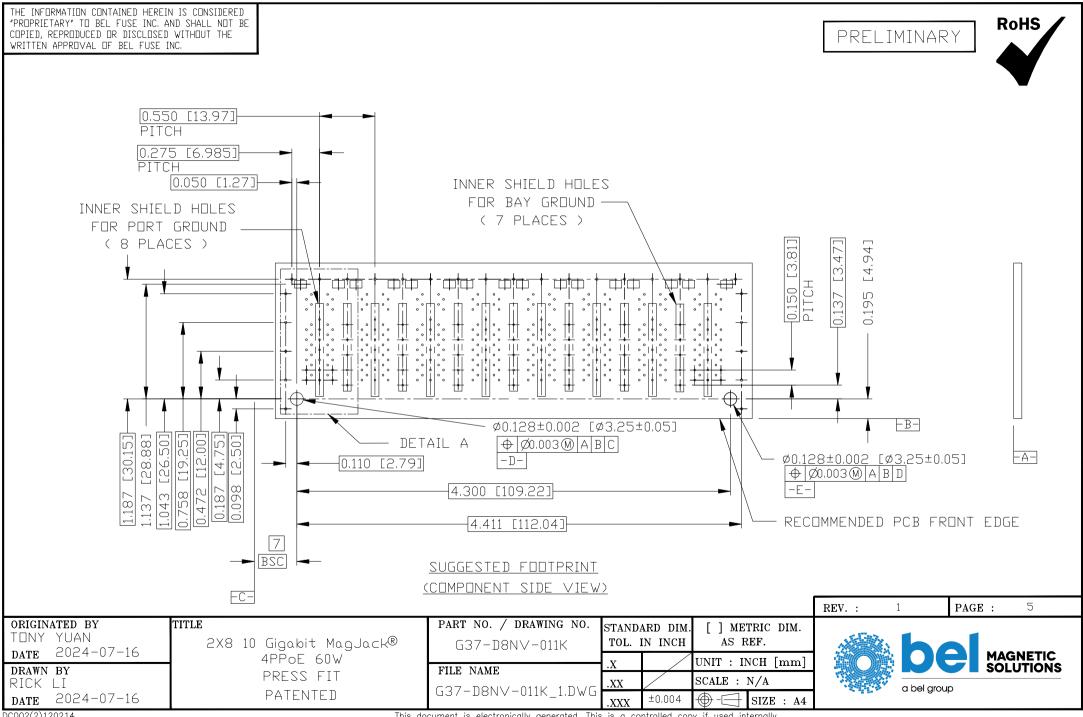
ORIGINATED BY TITLE TUNA ANDE DATE 2024-07-16 DRAWN BY RICK LI 2024-07-16

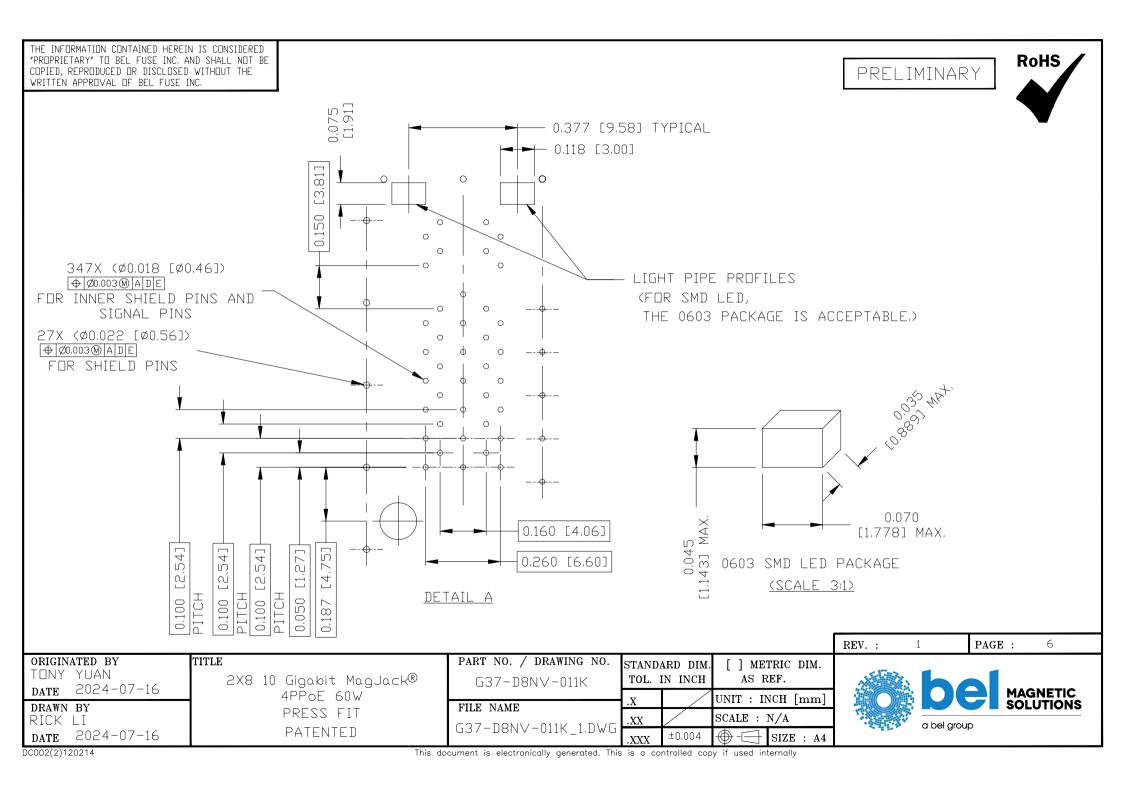
2X8 10 Gigabit MagJack® 4PPoF 60W PRESS FIT PATENTED

PART NO. / DRAWING NO. STANDARD DIM [ ] METRIC DIM. AS REF. TOL. IN INCH G37-D8NV-011K UNIT : INCH [mm]FILE NAME SCALE: N/A .XX G37-D8NV-011K 1.DWG  $\pm 0.010$ 



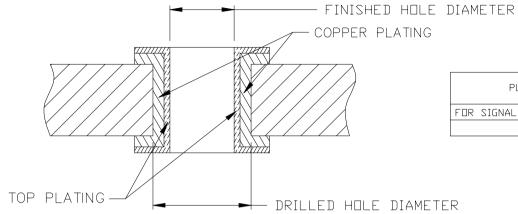






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PLATED-THROUGH-HOLE	DRILLED HOLE DIAMETER	FINISHED HOLE DIAMETER
FOR SIGNAL PINS AND INNER SHIELD PINS	0.022 [0.57]	(0.018 [0.46]) REF
FOR SHIELD PINS	0.026 [0.66]	(0.022 [0.56]) REF

#### 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 PART NO. / DRAWING NO. [ ] METRIC DIM. STANDARD DIM. TONY YUAN 2X8 10 Gigabit MagJack® AS REF. TOL. IN INCH G37-D8NV-011K DATE 2024-07-16 4PPoE 60W UNIT : INCH [mm] FILE NAME DRAWN BY PRESS FIT SCALE : N/A RICK LI .XX G37-D8NV-011K 1.DWG PATENTED DATE 2024-07-16 ±0.005 SIZE : A4 XXX.

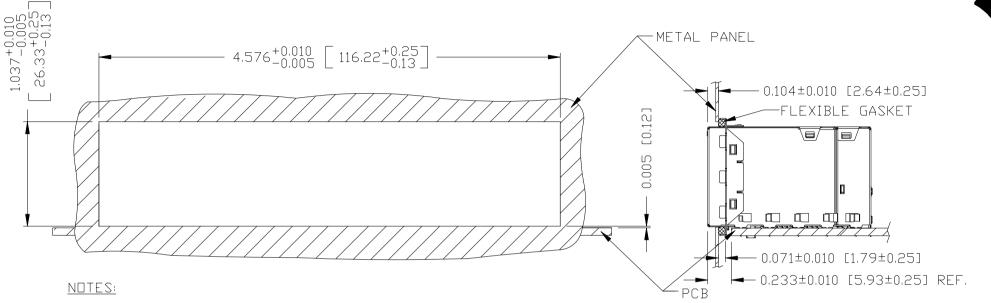


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#### SUGGESTED PANEL OPENING







- 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 0080M1700-05.

#### 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)

ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM.				
TONY YUAN	2X8 10 Gigabit MagJack®	G37-D8NV-011K	TOL. 1	IN INCH	AS REF.				
<b>DATE</b> 2024-07-16	4PPoE 60W	GO, BOIL OILK	v		UNIT : INCH [mm]				
DRAWN BY	55500 517	FILE NAME	.Λ		enti : men [mm]				
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				

