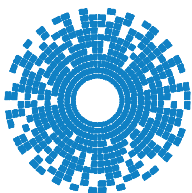
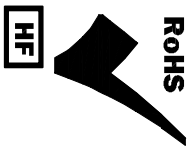


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POWER | PROTECT | CONNECT



DOCUMENT / PART NO.: G09-433A-019C

TITLE: PRODUCT SPECIFICATION

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

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LED1 POLARITY			LED2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
+	-	GREEN	+	-	GREEN
-	+	YELLOW	-	+	YELLOW



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT
TP2	1CT : 1CT
TP3	1CT : 1CT
TP4	1CT : 1CT

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)

1MHz - 40MHz	-16 dB
40MHz - 400 MHz	-16+10LOG (F/40) dB
400MHz - 500 MHz	-6+30LOG (F/400) dB

CM TO CM REJ

1MHz - 500MHz	-30 dB MIN
---------------	------------

CM TO DM REJ

1MHz - 500MHz	-30 dB MIN
---------------	------------

HIPOT (Isolation Voltage):

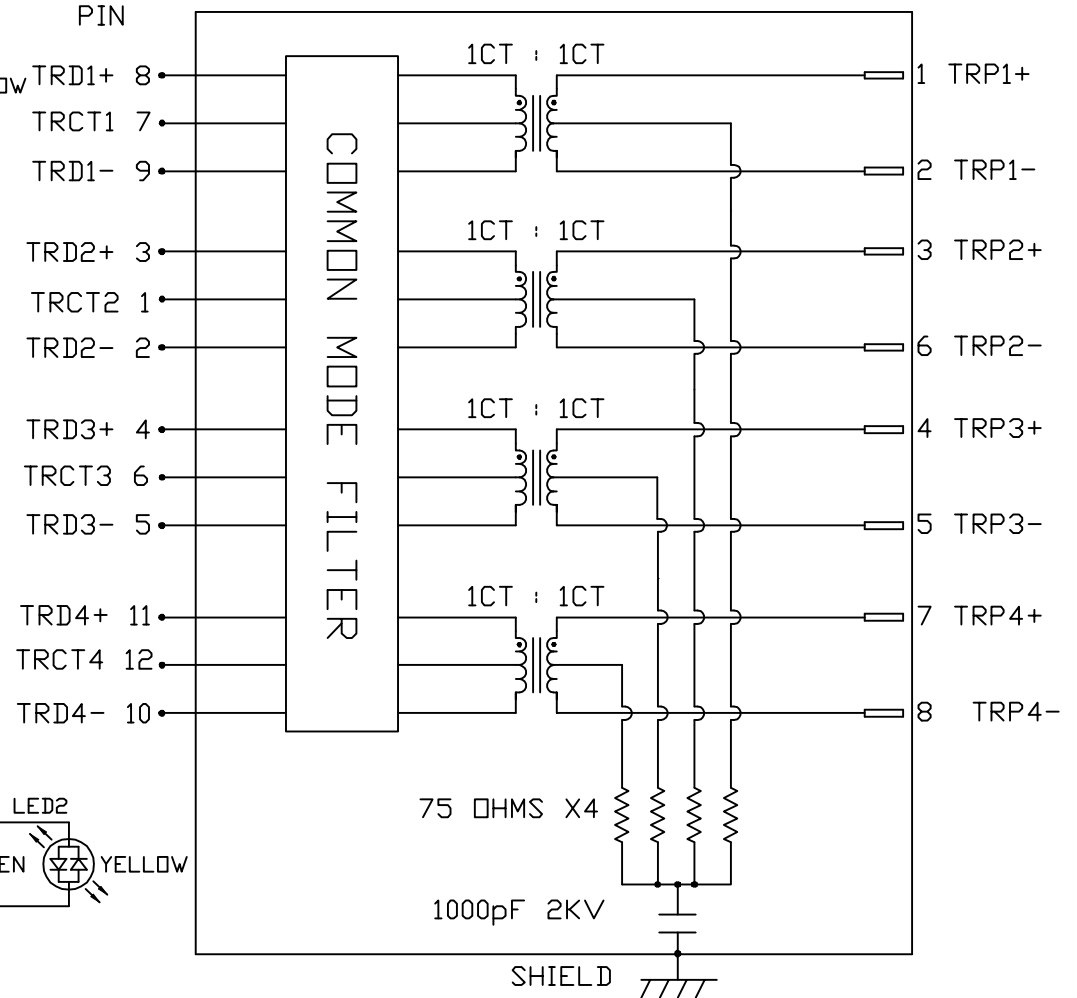
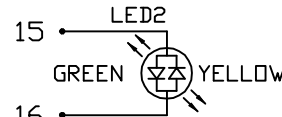
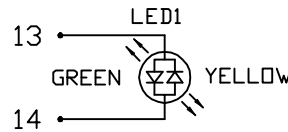
2250VDC

100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

LED 1 & 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		YELLOW	2.1V TYP.
AD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		YELLOW	590nm TYP.

OPERATING TEMPERATURE: 0°C TO +85°C.



ORIGINATED BY
BILL LIU
DATE 2024-07-19

DRAWN BY
YI LIU
DATE 2024-07-19

TITLE
1X4 10 Gigabit MagJack®
EXTENDED TEMPERATURE
PATENTED

PART NO. / DRAWING NO.
G09-433A-019C

FILE NAME
G09-433A-019C_1.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

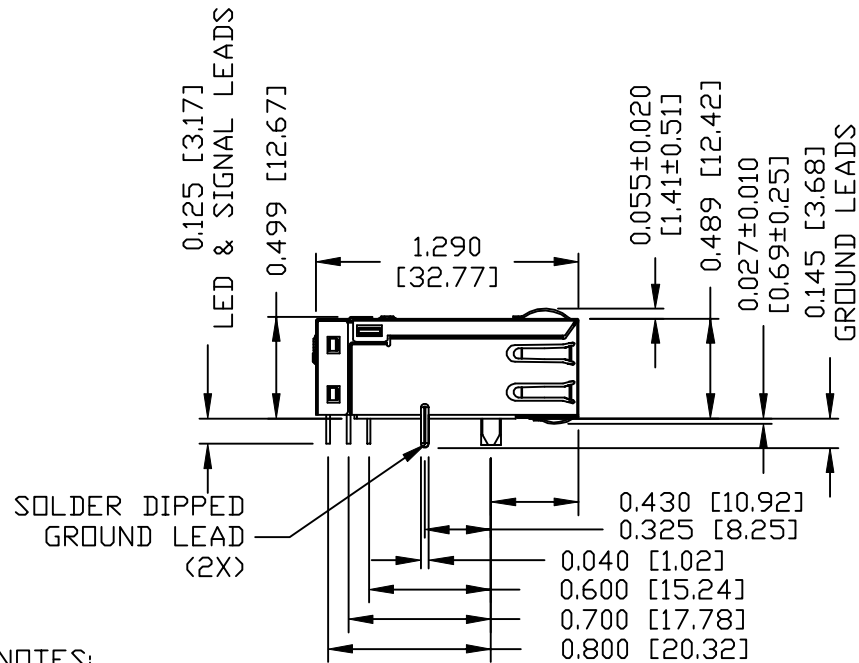
REV. : 1

PAGE : 2



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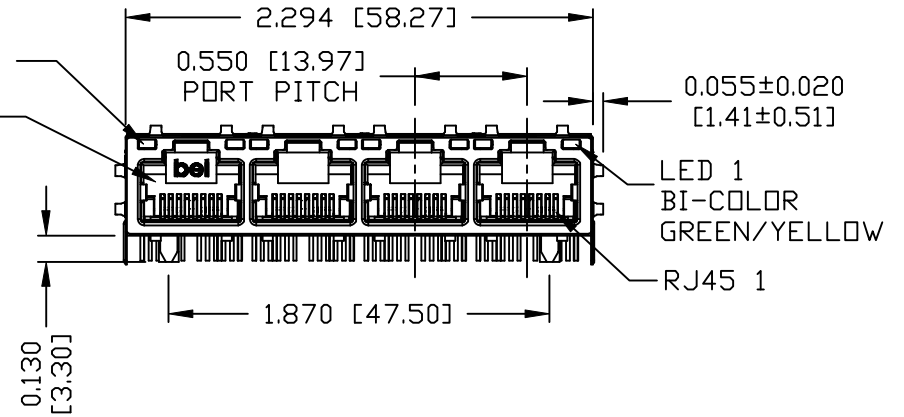
NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
- CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATED OR EQUIVALENT.
- PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
100 MICRO-INCH MIN MATTE TIN.
PINS ARE SOLDER DIPPED.
- METAL SHIELD: STAINLESS STEEL
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

USUL RECOGNIZED - FILE # E169987.

LED 2
BI-COLOR
GREEN/YELLOW
PROT 1



2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND "PATENTED" MARKING.
THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE
U.S. PAT. 7,429,195 AND U.S. PAT. 7,924,130 AND
U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.
3. THE PRODUCT IS RoHS COMPLIANT & HALOGEN FREE.
4. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX. AND 10 SECONDS MAX..

ORIGINATED BY
TONY YUAN
DATE 2024-07-19

DRAWN BY
TOWER YU
DATE 2024-07-19

TITLE
1X4 10 Gigabit MagJack®
EXTENDED TEMPERATURE
PATENTED

PART NO. / DRAWING NO.
G09-433A-019C

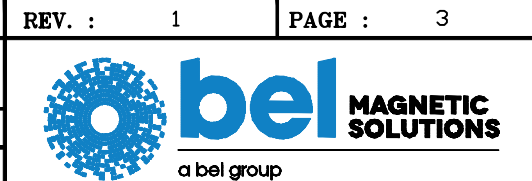
FILE NAME
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STANDARD DIM.
TOL. IN INCH

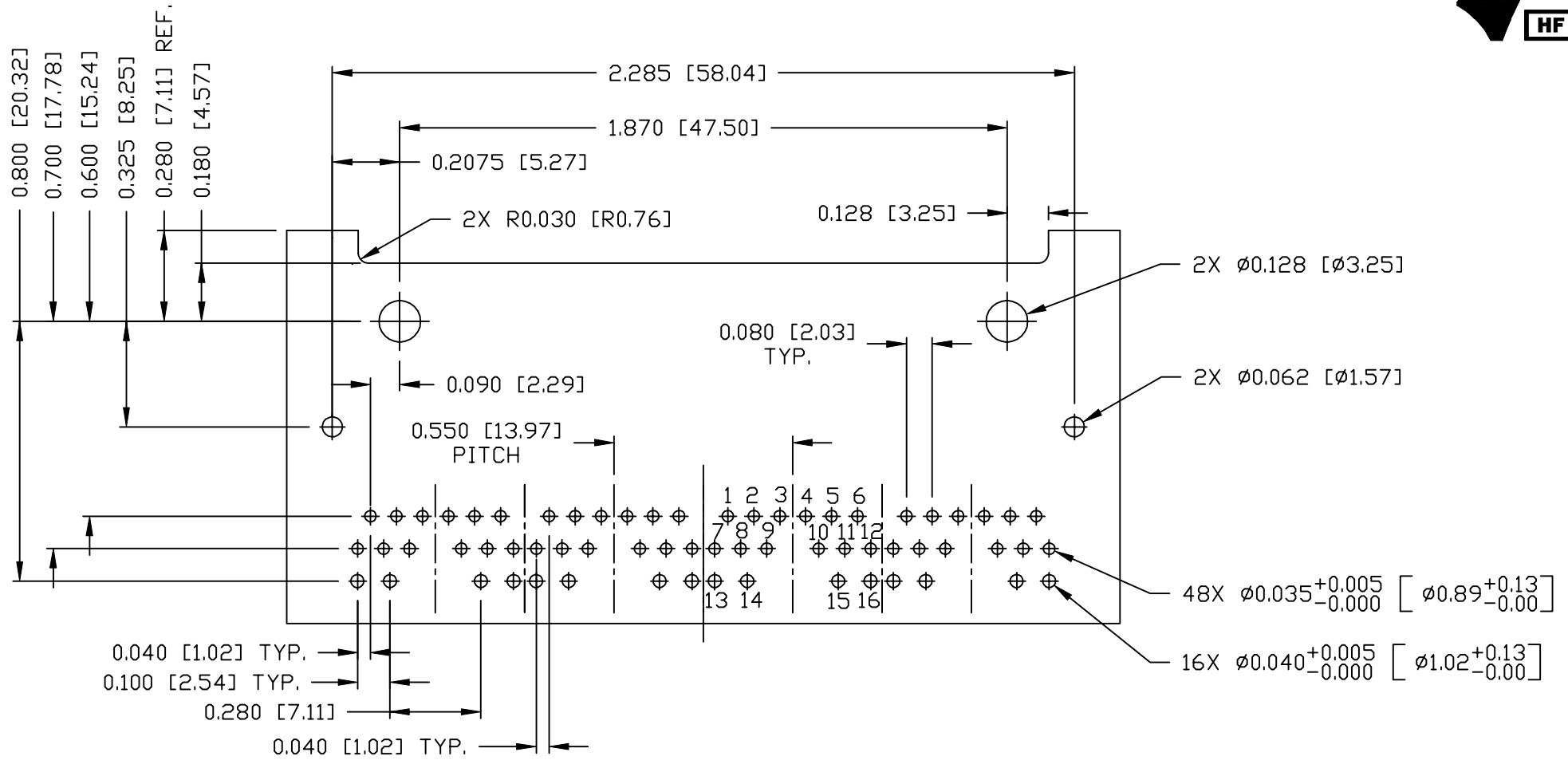
.X
.XX
.XXX ±0.010

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4



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RECOMMENDED PCB FOOTPRINT
(COMPONENT SIDE VIEW)

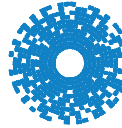
ORIGINATED BY
TONY YUAN
DATE 2024-07-19
DRAWN BY
TOWER YU
DATE 2024-07-19

TITLE
1X4 10 Gigabit MagJack®
EXTENDED TEMPERATURE
PATENTED

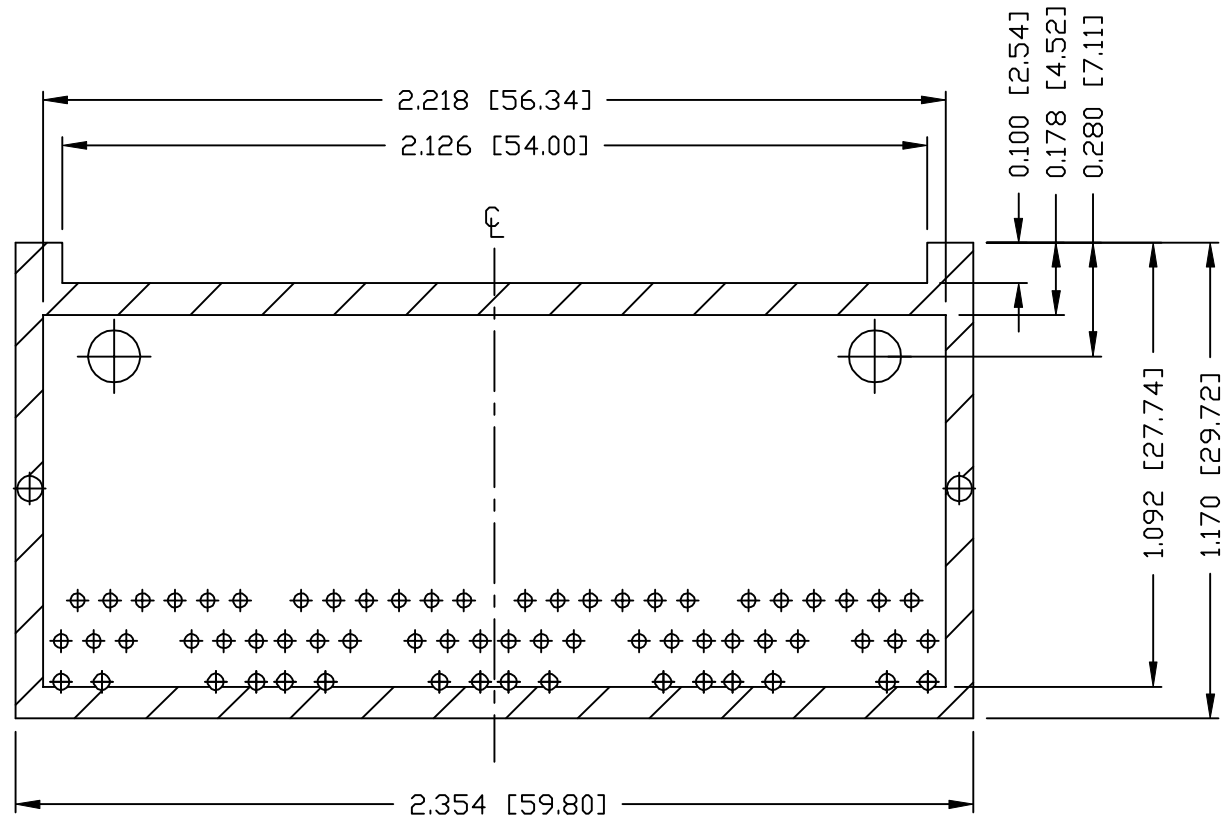
PART NO. / DRAWING NO.
G09-433A-019C
FILE NAME
G09-433A-019C_1.DWG

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

REV. : 1	PAGE : 4
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**bel** MAGNETIC SOLUTIONS
a bel group

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NOTES

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

ORIGINATED BY
TONY YUAN
DATE 2024-07-19

DRAWN BY
TOWER YU
DATE 2024-07-19

TITLE
1X4 10 Gigabit MagJack®
EXTENDED TEMPERATURE
PATENTED

PART NO. / DRAWING NO.
G09-433A-019C

FILE NAME
G09-433A-019C_1.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX ±0.004

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

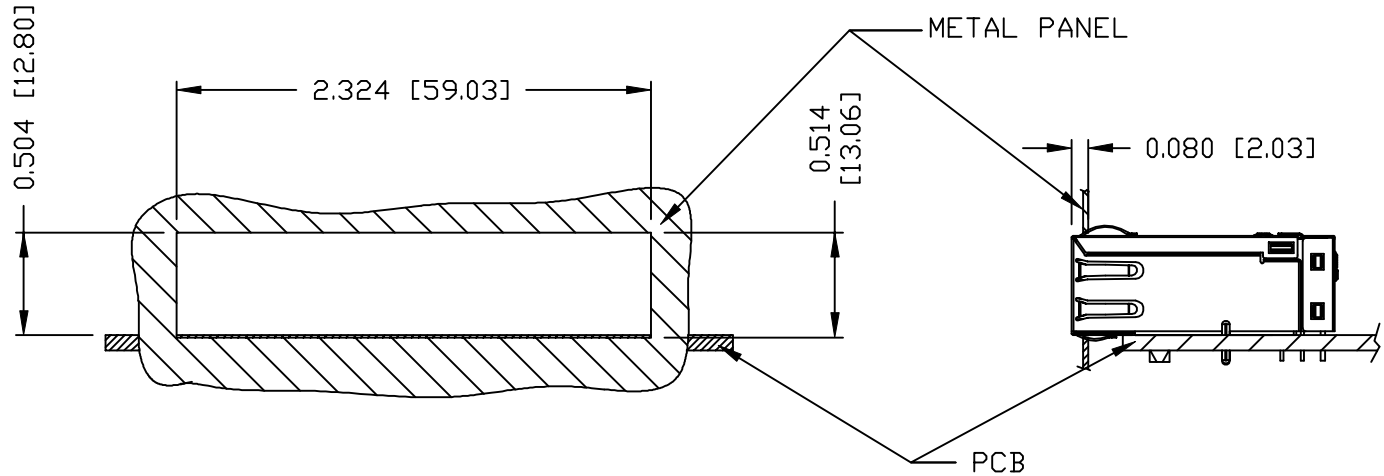
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SUGGESTED PANEL OPENING



NOTE:

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.

PACKING INFORMATION

PACKING TRAY: 0200-9999-B4 (TOP)
0200-9999-B5 (BOTTOM)

PACKING QUANTITY: 24 PCS FINISHED GOODS PER TRAY
10 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

					REV. : 1		PAGE : 6			
ORIGINATED BY TONY YUAN DATE 2024-07-19		TITLE 1X4 10 Gigabit MagJack® EXTENDED TEMPERATURE PATENTED		PART NO. / DRAWING NO. G09-433A-019C		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.		
DRAWN BY TOWER YU DATE 2024-07-19				FILE NAME G09-433A-019C_1.DWG		.X		UNIT : INCH [mm]		
						.XX		SCALE : N/A		
						.XXX		±0.005		SIZE : A4
bel a bel group MAGNETIC SOLUTIONS										

