

APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

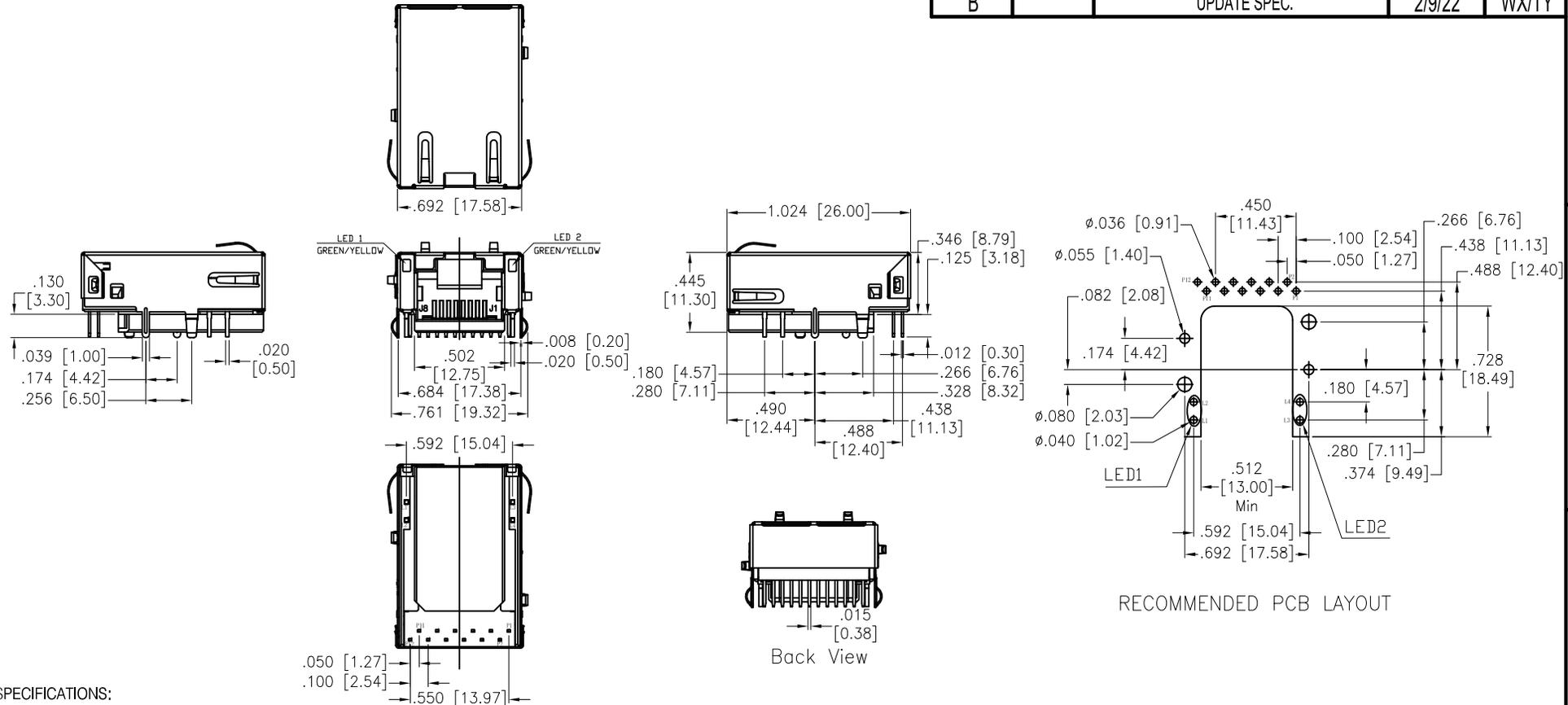
Rev	AWO #	Description	Date	Appr
-		RELEASED	6/23/21	
A		UPDATE DRAWING	10/21/21	WX/TY
B		UPDATE SPEC.	2/9/22	WX/TY

D

C

B

A



**SPECIFICATIONS:**

Material:  
 Insulator: Hi-Temp Thermoplastic, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Phosphor Bronze  
 Shield: Brass, Nickel plated  
 Plating:  
 Round contact  
 Gold over Nickel underplate overall  
 Flat contact  
 Gold over Nickel underplate on contact area,  
 Tin over Nickel underplate on solder tails

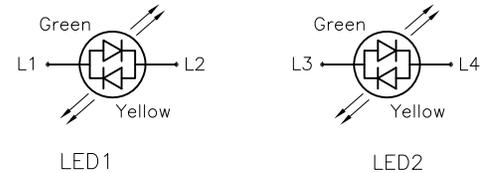
**Electrical:**

Voltage rating: 3V   
 Current rating: 1.5A  
 Contact Resistance: 20 mohms max  
 Insulation resistance: 500 Mohms min  
 Dielectric withstanding voltage: 2250 VDC min for 1 minute  
 Temperature Rating:

Operating temperature: 0°C to +85°C  
 Environmental:

Lead free, RoHS compliant. 

RECOMMENDED PCB LAYOUT



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES	HOLES
.X ± .10	ØX ± .10
.XX ± .020	ØXX ± .015
.XXX ± .015	ØXXX ± .010



DRAWN	WX	6/23/21
CHECKED	TY	6/23/21
APPROVED		

TITLE  
 MODULAR TELEPHONE JACK, 1 PORT, 8P8C, FULL SHIELDED,  
 W/ LED1 GREEN/YELLOW, LED2 GREEN/YELLOW

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

SIZE	PART NO.	REV.
X	MTJ-88BAX1-FS-PG-VL16-M329Y	B

REF: S00101C SCALE: NTS SHEET 1 OF 2

6

5

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2

1

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1

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
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SEE SHT 1 OF 2 FOR REVISION

D

D

C

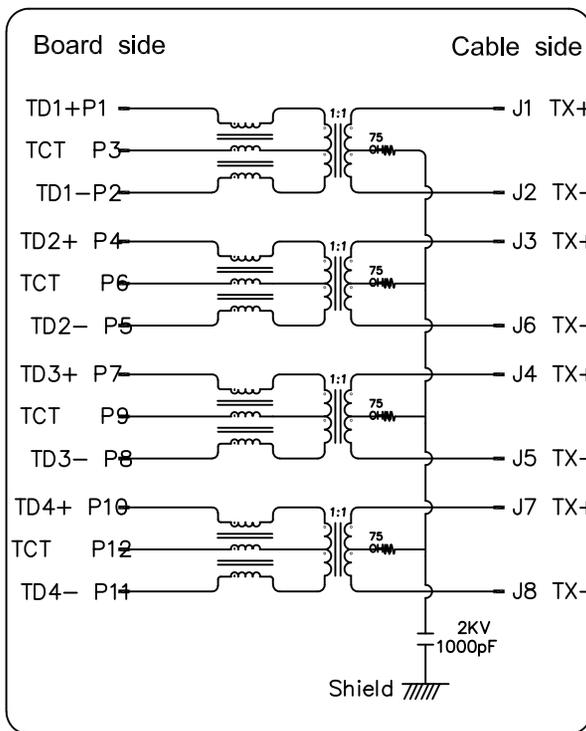
C

B

B

A

A



ELECTRICAL CHARACTERISTICS :

- INSERTION LOSS :
  - 1~100 MHz -1.0dB MAX.
- RETURN LOSS(LOAD 100Ω) :
  - 1~30 MHz -18dB MIN
  - 30~60 MHz -16dB MIN
  - 60~80 MHz -12dB MIN
  - 80~100 MHz -10dB MIN
- COMMON MODE REJECTION
  - 1~100 MHz -30dB MIN
- CROSS TALK
  - 1~100 MHz -30dB MIN
- INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
  - (P1-P2),(P4-P5),(P7-P8),(P10-P11) : 350 uH MIN
- DCR
  - (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2 OHM MAX
- HI-POT TEST
  - BOARD SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- TURNS RATION 100KHz
  - (P1-P2) : (J1-J2) = 1:1 ±%3
  - (P4-P5) : (J3-J6) = 1:1 ±%3
  - (P7-P8) : (J4-J5) = 1:1 ±%3
  - (P10-P11) : (J7-J8) = 1:1 ±%3

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INCHES	HOLES	
.X ± .10	∅X	±.10
.XX ± .020	∅XX	±.015
.XXX ± .015	∅XXX	±.010
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MODULAR TELEPHONE JACK, 1 PORT, 8P8C, FULL SHIELDED, W/ LED1 GREEN/YELLOW, LED2 GREEN/YELLOW		
SIZE	PART NO.	REV.
X	MTJ-88BAX1-FS-PG-VL16-M329Y	B
REF: S00101C	SCALE: NTS	SHEET 2 OF 2

6

5

4

3

2

1