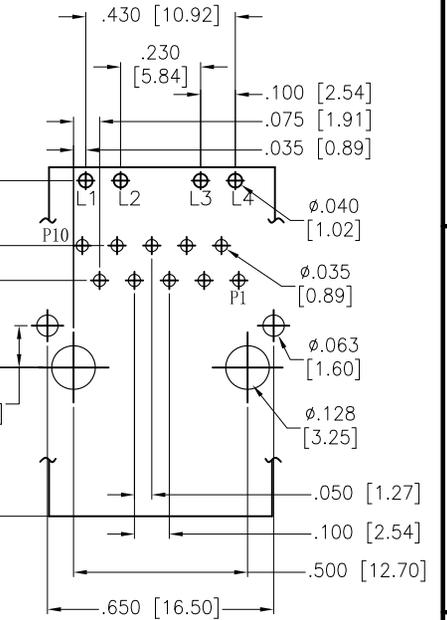
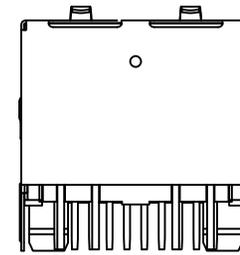
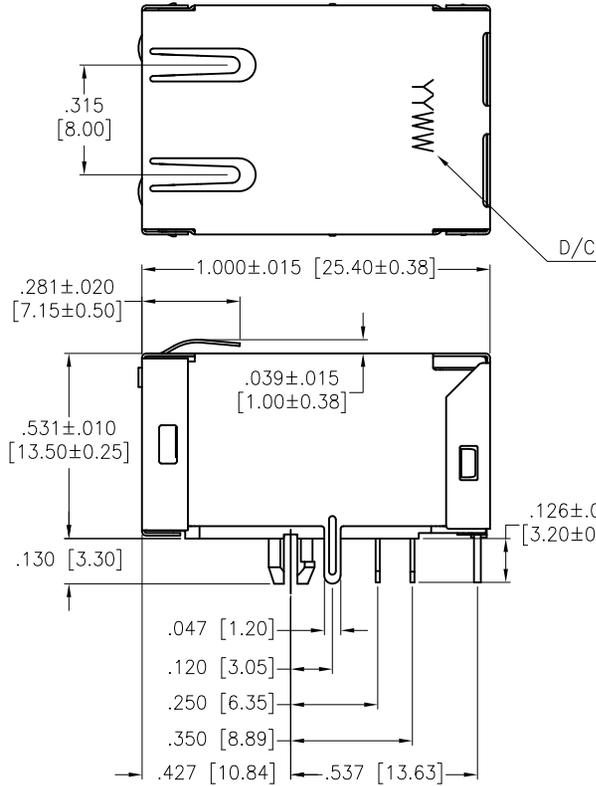
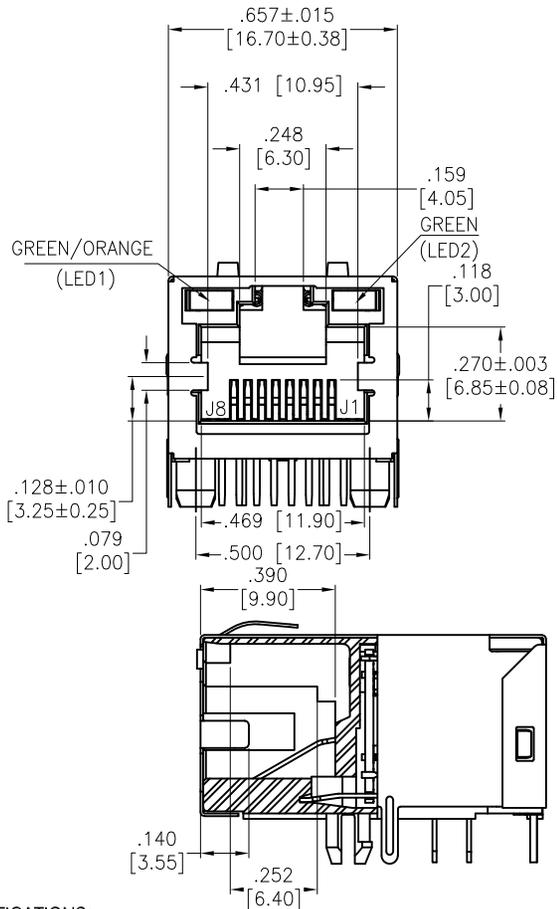


APPROVED: \_\_\_\_\_

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

Rev	AWO #	Description	Date	Apr
-		RELEASED	3/18/24	



RECOMMENDED PCB LAYOUT

**SPECIFICATIONS:**

Material:  
 Insulator: Thermoplastic, rated UL 94V-0, Color: Black  
 Module Case: Hi-Temp Thermoplastic, rated UL 94V-0, Color: Black  
 Contacts: Phosphor Bronze  
 Solder Tail Terminal: Brass, 100u" Tin over 30u" Nickel plated  
 Shield: Stainless, Pre-Soldering  
 Plating:  
 Xu" Gold over Nickel underplate on contact area,  
 Tin over Nickel underplate on solder tails  
 Electrical:  
 Insulation resistance: 500 Mohms min.  
 Dielectric withstanding voltage: 1,500 VAC or 2,250 VDC  
 Temperature Rating:  
 Operating temperature: 0°C to +70°C  
 Storage temperature: -40°C TO +85°C  
 Environmental:  
 Lead free, RoHS compliant.



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	LH	3/18/24
CHECKED	RC	3/18/24
APPROVED		

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

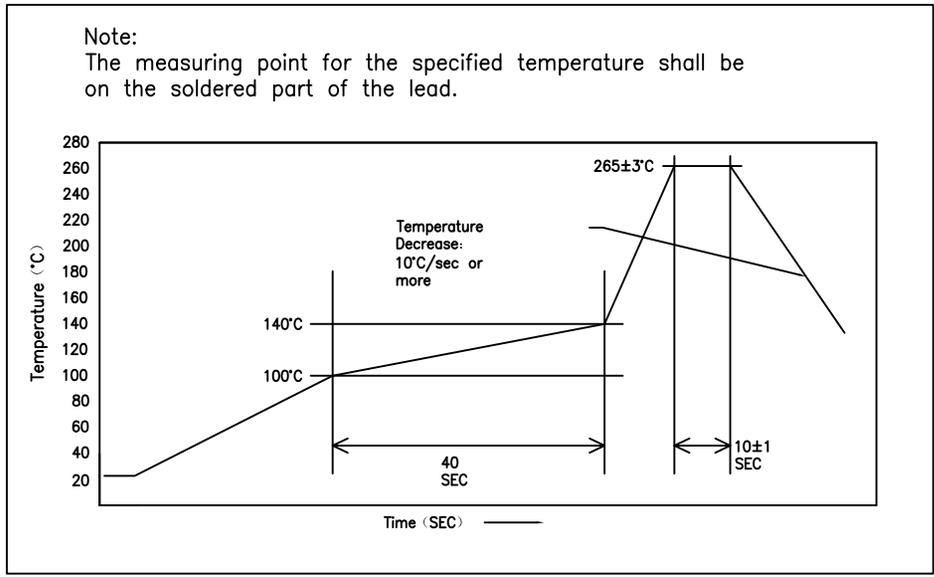
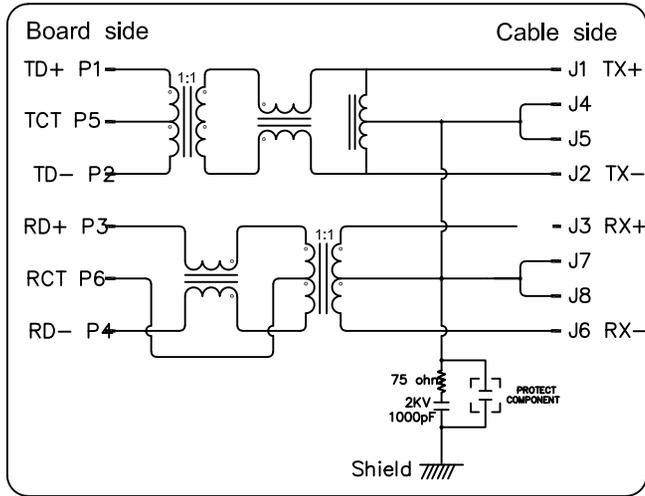


TITLE MODULAR JACK , 1 PORT, 8P8C W/ LED1 GREEN/ORANGE LED2 GREEN		
SIZE X	PART NO. MTJ-88SX1-FSD-PG2-L37-M346YA	REV. -
REF: S00101C	SCALE: NTS	SHEET 1 OF 2

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

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

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



1. INSERTION LOSS :  
- 1~100 MHz -1.0dB MAX.

2. RETURN LOSS(LOAD 100Ω) :  
- 1~30 MHz -18dB MIN  
- 30~60 MHz -16dB MIN  
- 60~80 MHz -12dB MIN

3. COMMON MODE REJECTION  
- 1~100 MHz -30dB MIN

4. CROSS TALK  
- 1~100 MHz -30dB MIN

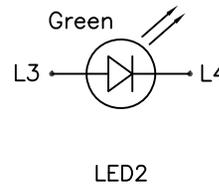
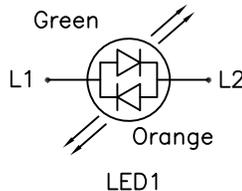
5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS  
- (P1-P2),(P3-P4) : 350 uH MIN

6. DCR  
- (J1-J2),(J3-J6) : 1.2 Ohm MAX

7. HI-POT TEST  
- PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S

8. TURNS RATION 100KHz  
- (P1-P2) : (J1-J2) = 1:1 ±%3  
- (P3-P4) : (J3-J6) = 1:1 ±%3

9. SURGE PROTECTION :  
- IEC 61000-4-5 (Lightning) (10/700uS)  
- Line to Ground: 7KV



Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Yellow	585	1.7V~2.6V	10μA max.

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	JJ	7/13/23
CHECKED	NP	7/13/23
APPROVED		

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TITLE MODULAR JACK, 1 PORT, 8P8C W/ LED1 GREEN/ORANGE LED2 GREEN		
SIZE X	PART NO. MTJ-88SX1-FSD-PG2-L37-M346YA	REV. -
REF: S00101C	SCALE: NTS	SHEET 2 OF 2