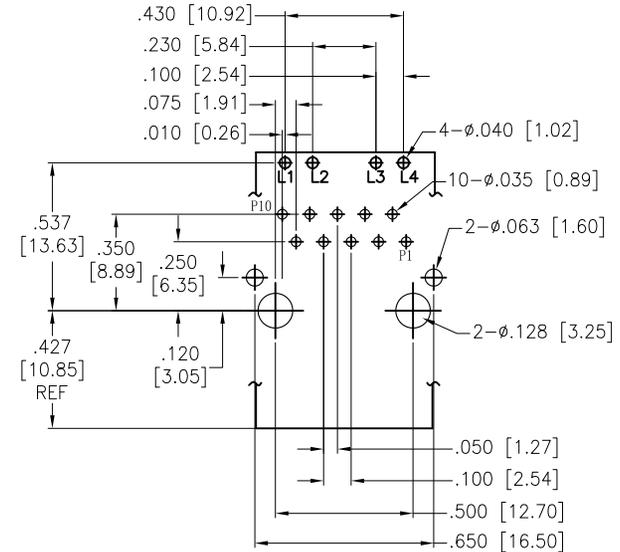
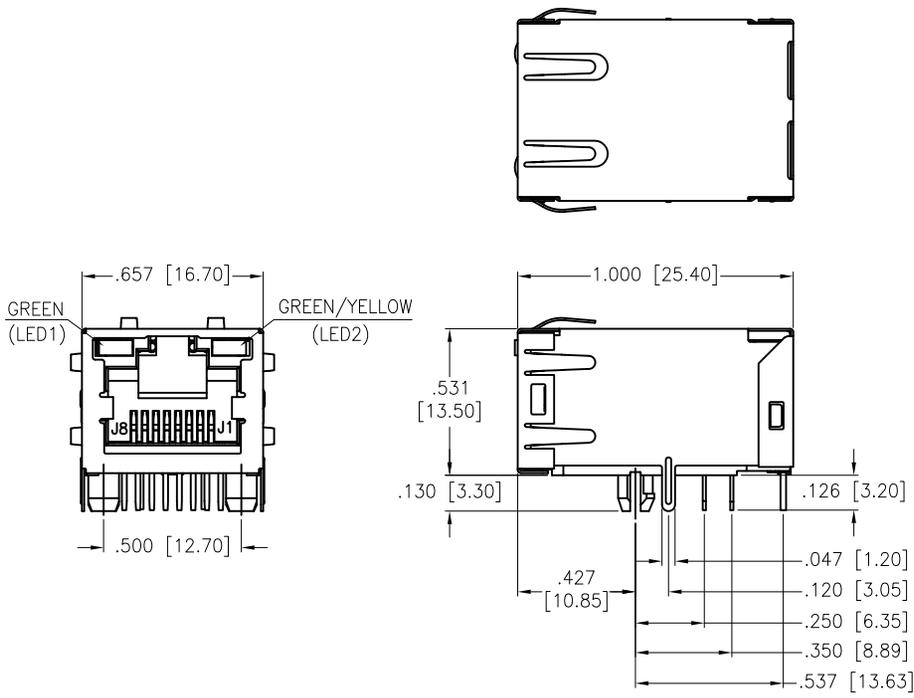
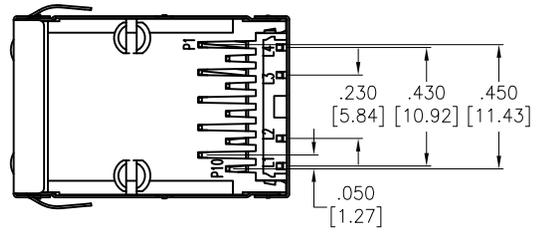


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/17/18	



RECOMMENDED PCB LAYOUT



**SPECIFICATIONS:**

**Material:**  
 Insulator: Thermoplastic, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Phosphor Bronze  
 Solder tail terminal: Brass, Tin plated  
 Shield: Stainless, pre-soldering  
**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:**  
 Insulation resistance: 500 Mohms min  
 Dielectric withstanding voltage: 1,500 VAC or 2,250 VDC for 1 minute  
 Temperature Rating:  
 Operating temperature: 0°C to +70°C  
**Environmental:**  
 Lead free, RoHS compliant.



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

.X	± .10	Ø.X	± .10
.XX	± .020	Ø.XX	± .015
.XXX	± .015	Ø.XXX	± .010

APPROVALS		DATE
DRAWN	HR	8/17/18
CHECKED	AC	8/17/18
APPROVED		

TITLE: MODULAR TELEPHONE JACK, 1 PORT, 8P8C  
 W/ LED1 GREEN LED 2 GREEN/YELLOW

SIZE	PART NO.	REV.
X	MTJ-88SX1-FSD-PG-L35-M357Y	-

REF: S00101C SCALE: NTS SHEET 1 OF 2

6 5 4 3 2 1

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

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

**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  
 - (P2-P3),(P4-P5),(P7-P8),(P9-P10) : 350 uH MIN
- DCR  
 - (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2 Ohm MAX
- HI-POT TEST  
 - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- TURNS RATION 100KHz  
 - (P2-P3) : (J1-J2) = 1:1 ±%3  
 - (P4-P5) : (J3-J6) = 1:1 ±%3  
 - (P7-P8) : (J4-J5) = 1:1 ±%3  
 - (P9-P10) : (J7-J8) = 1:1 ±%3

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

INCHES		HOLES	
.X	± .10	Ø.X	± .10
.XX	± .020	Ø.XX	± .015
.XXX	± .015	Ø.XXX	± .010

APPROVALS		DATE
DRAWN	HR	8/17/18
CHECKED	AC	8/17/18
APPROVED		

TITLE: MODULAR TELEPHONE JACK , 1 PORT, 8P8C  
 W/ LED1 GREEN LED 2 GREEN/YELLOW

SIZE	PART NO.	REV.
X	MTJ-88SX1-FSD-PG-L35-M357Y	-

REF: S00101C SCALE: NTS SHEET 2 OF 2

6 5 4 3 2 1