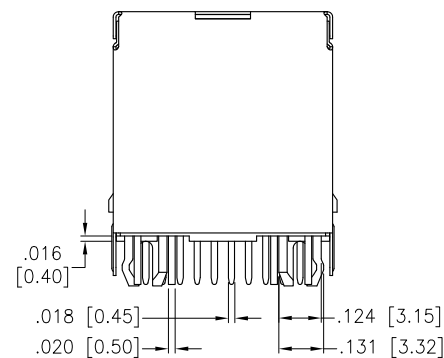
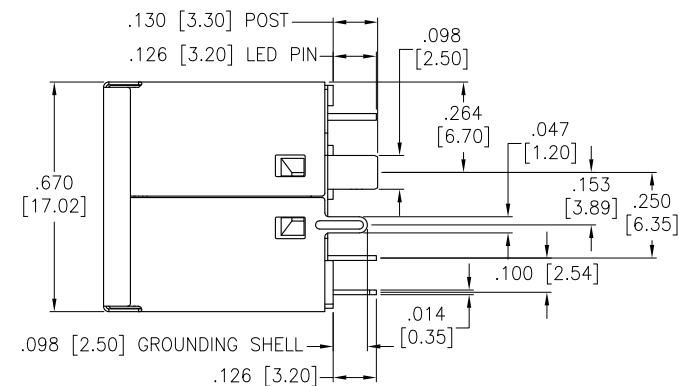
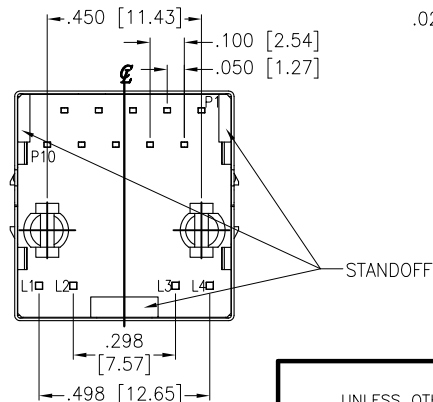
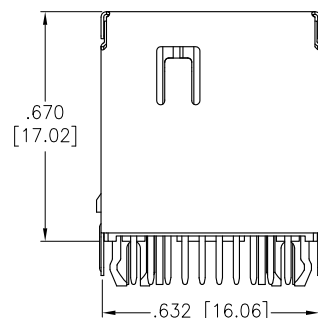
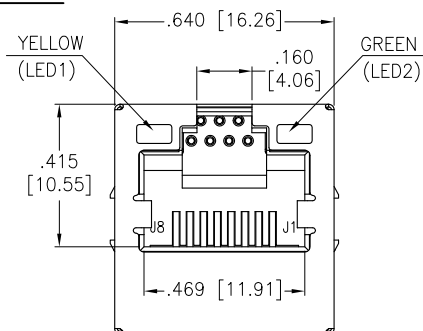
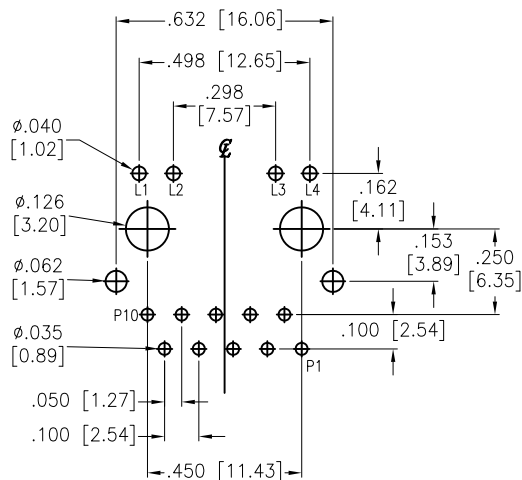


APPROVED: \_\_\_\_\_

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

| Rev | AWO # | Description | Date     | Appr |
|-----|-------|-------------|----------|------|
| -   |       | RELEASED    | 12/12/16 |      |



## SPECIFICATIONS:

## Material:

Insulator: Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Phosphor Bronze

Solder tail: Brass

Shield: Stainless, Pre-Soldering

Contact Plating:

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  
INCHES HOLES

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

| APPROVALS |    | DATE     |
|-----------|----|----------|
| DRAWN     | HR | 12/12/16 |
| CHECKED   | AT | 12/12/16 |
| APPROVED  |    |          |

**ADAM**  
**TECH**  
**INTERCONNECTS**

909 Rahway Avenue,  
Union, NJ 07083  
Phone: 908-687-5000  
Fax: 908-687-5710

TITLE  
MODULAR TELEPHONE JACK, 8P8C  
TOP ENTRY, PCB, FULL SHIELD

| SIZE         | PART NO.              | REV.         |
|--------------|-----------------------|--------------|
| X            | MTJ-88AX1-FSN-LG-M21Y | -            |
| REF: S00101C | SCALE: NTS            | SHEET 1 OF 2 |

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

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

Rev AWO # Description Date Appr

SEE SHT 1 OF 2 FOR REVISION

D

D

C

C

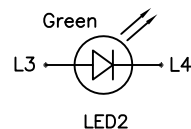
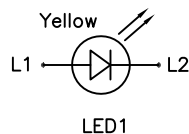
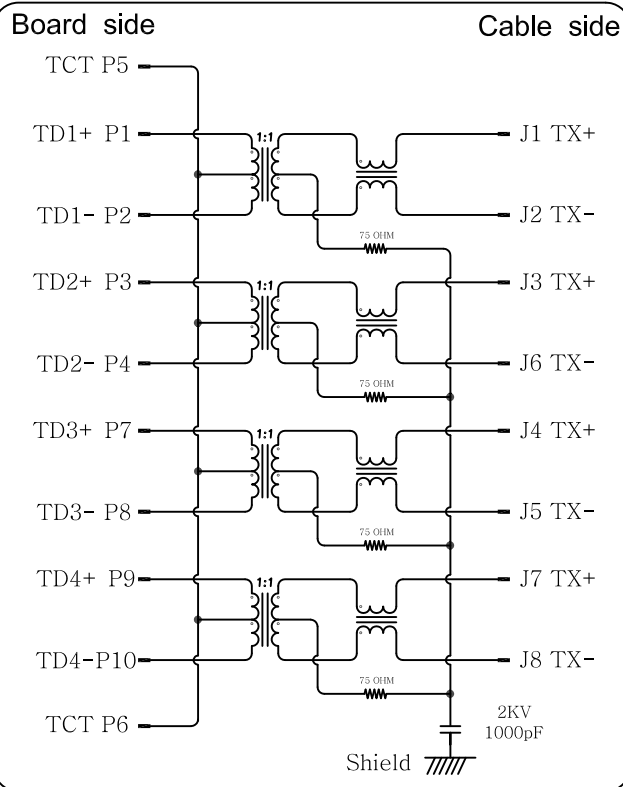
B

B

A

A

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
  - 80~120 MHz -10dB 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),(P7-P8),(P9-P10) : 350 uH MIN
6. DCR
  - (J1-J2),(J3-J6),(J4-J5),(J7-J8): 1.2 Ohm MAX
7. HI-POT TEST
  - BOARD 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
  - (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

12/12/16

CHECKED

AT

12/12/16

APPROVED

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TITLE  
MODULAR TELEPHONE JACK, 8P8C  
TOP ENTRY, PCB, FULL SHIELD

SIZE

X

PART NO.

MTJ-88AX1-FSN-LG-M21Y

REV.

-

REF: S00101C

SCALE: NTS

SHEET 2 OF 2

6

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4

3

2

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