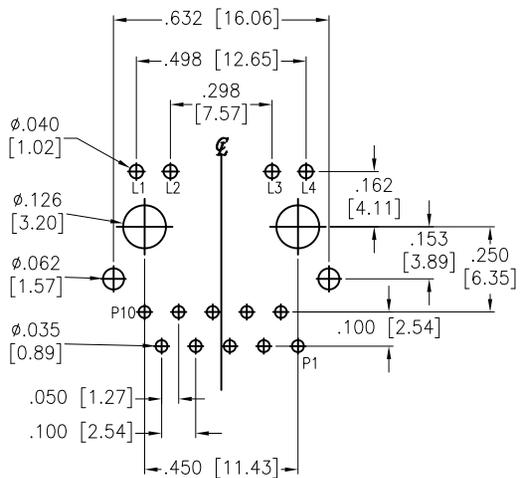
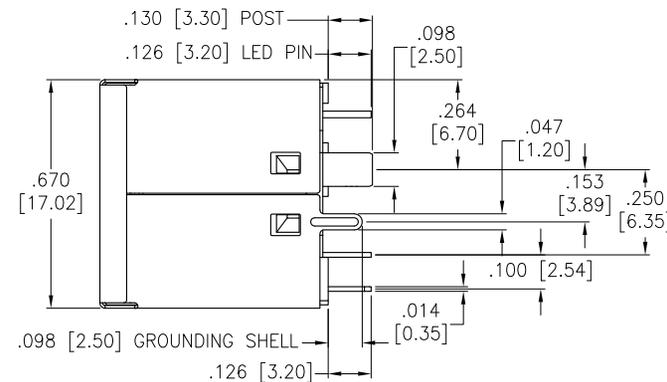
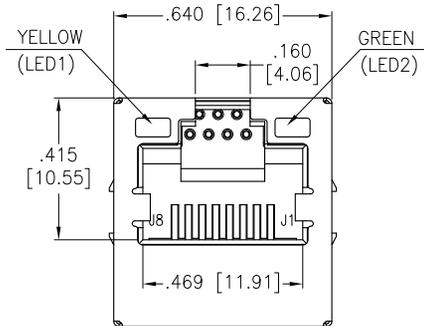


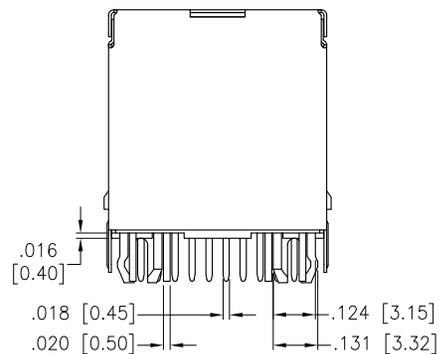
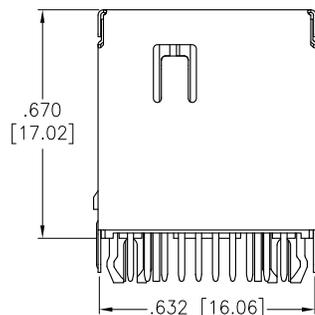
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DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

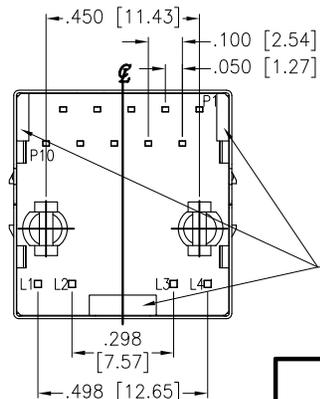
Rev	AWO #	Description	Date	Appr
-		RELEASED	12/12/16	



RECOMMENDED PCB LAYOUT



BACK VIEW



STANDOFF

**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

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



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

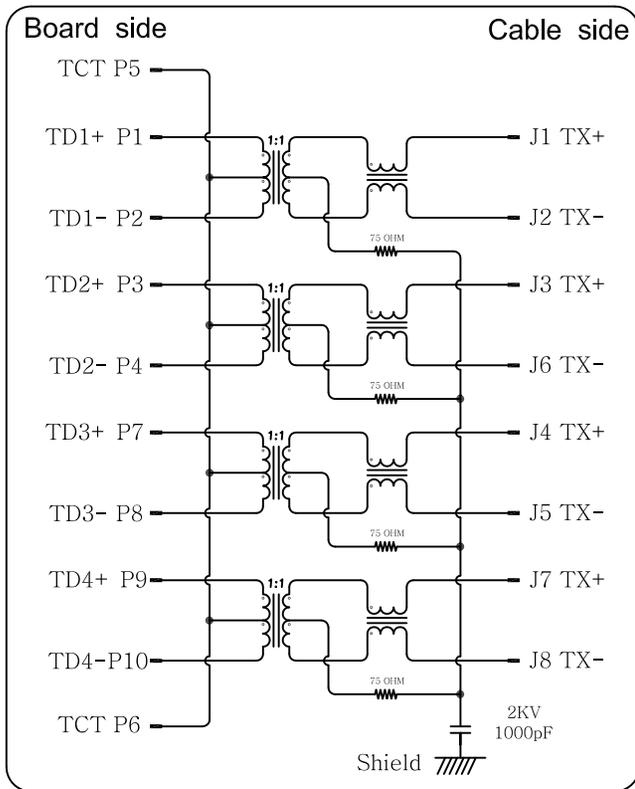
APPROVALS		DATE
DRAWN	HR	12/12/16
CHECKED	AT	12/12/16
APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-LG-M21Y	-

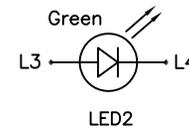
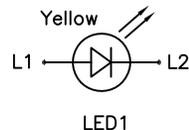
REF: S00101C SCALE: NTS SHEET 1 OF 2

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

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



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		



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