

6 5 4 3 2 1

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/22/18	

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

RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:  
 Inserter: Thermoplastic, rated UL 94V-0  
 Inserter 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: 150 VAC**  
 Contact Resistance: 20 mohms max  
 Insulation resistance: 500 Mohms min  
 Dielectric withstanding voltage: 2250 VDC  
 Temperature Rating:  
 Operating 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	Ø.X ± .10
.XX ± .020	Ø.XX ± .015
.XXX ± .015	Ø.XXX ± .010

APPROVALS		DATE
DRAWN	HR	5/22/18
CHECKED	LW	5/22/18
APPROVED		

TITLE  
 MODULAR TELEPHONE JACK, 1 PORT, 8P8C  
 W/ LED1 YELLOW, LED2 GREEN, STAR PEG

SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-STP-LG-M332C-WOT	-
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

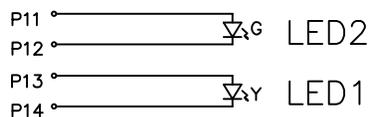
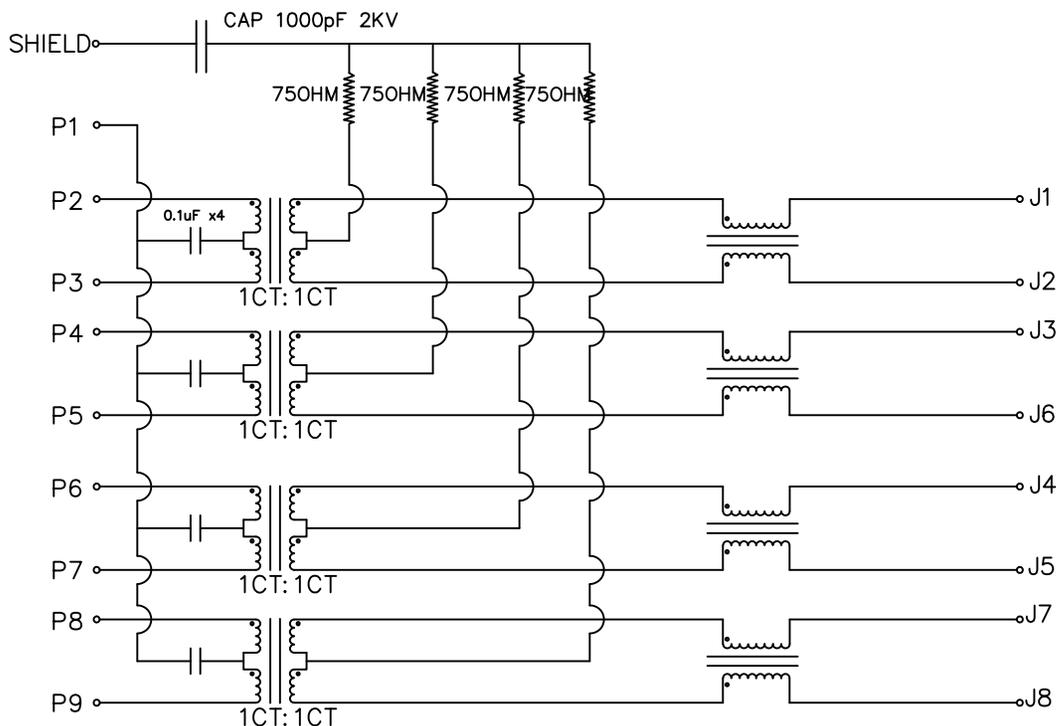
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SEE SHT 1 OF 2 FOR REVISION



LED2	Green	LED1	Yellow
P11	+	P13	+
P12	-	P14	-

Electronical Specifications:

- Turn Ratio @100KHz: (P2~P3):(J1~J2) = 1:1±5%  
(P4~P5):(J3~J6) = 1:1±5%  
(P6~P7):(J4~J5) = 1:1±5%  
(P8~P9):(J7~J8) = 1:1±5%
- Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- DC Resistance: 1.2 OHMS MAX
- Insertion Loss: 1-100MHz -1.0dB MAX  
100-125MHz -1.2dB MAX
- Return Loss: 1-40MHz -16dB MIN  
40-60MHz -12dB MIN  
60-80MHz -10dB MIN  
80-100MHz -8dB MIN
- CROSS TALK: 1-100MHz -30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- Isolation: PHY Side to Line Side: 2250VDC

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