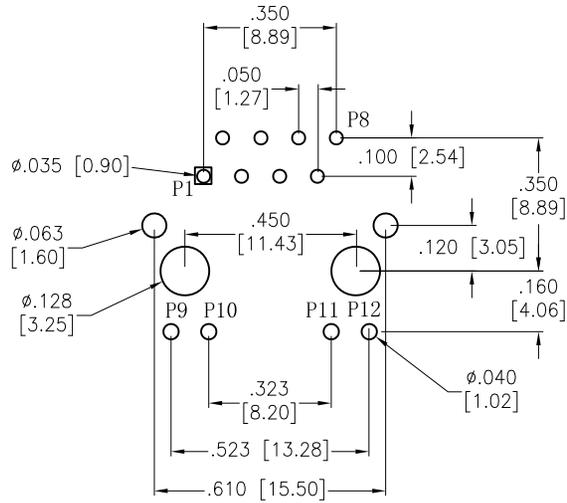


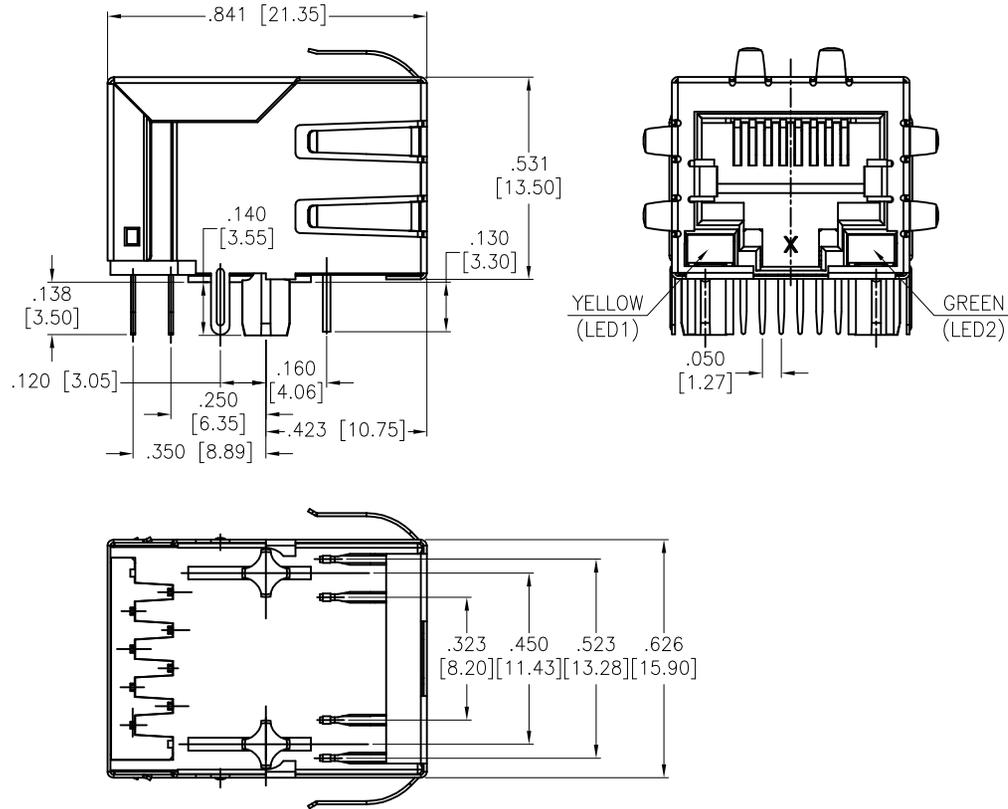
APPROVED: \_\_\_\_\_

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

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/25/11	
A		REVISED SPEC.	03/07/12	
B		REVISED SPEC.	8/20/13	AY/KW
C		UPDATE DIM.	12/24/20	LH/BL
D		UPDATE DRAWING	10/18/24	LH/MC



RECOMMENDED PCB LAYOUT



**SPECIFICATIONS:**

Material:  
 Insulator: PA66, rated UL 94V-0, Color: Black  
 Inserter: PBT, rated UL 94V-0, Color: Black  
 Contacts: Copper Alloy  
 Shield: Copper Alloy, 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: 1500V AC or 2250V DC  
 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	∅X ± .10
.XX	± .020	∅XX ± .015
.XXX	± .015	∅XXX ± .010
DRAWN	DY	5/25/11
CHECKED		
APPROVED		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH		

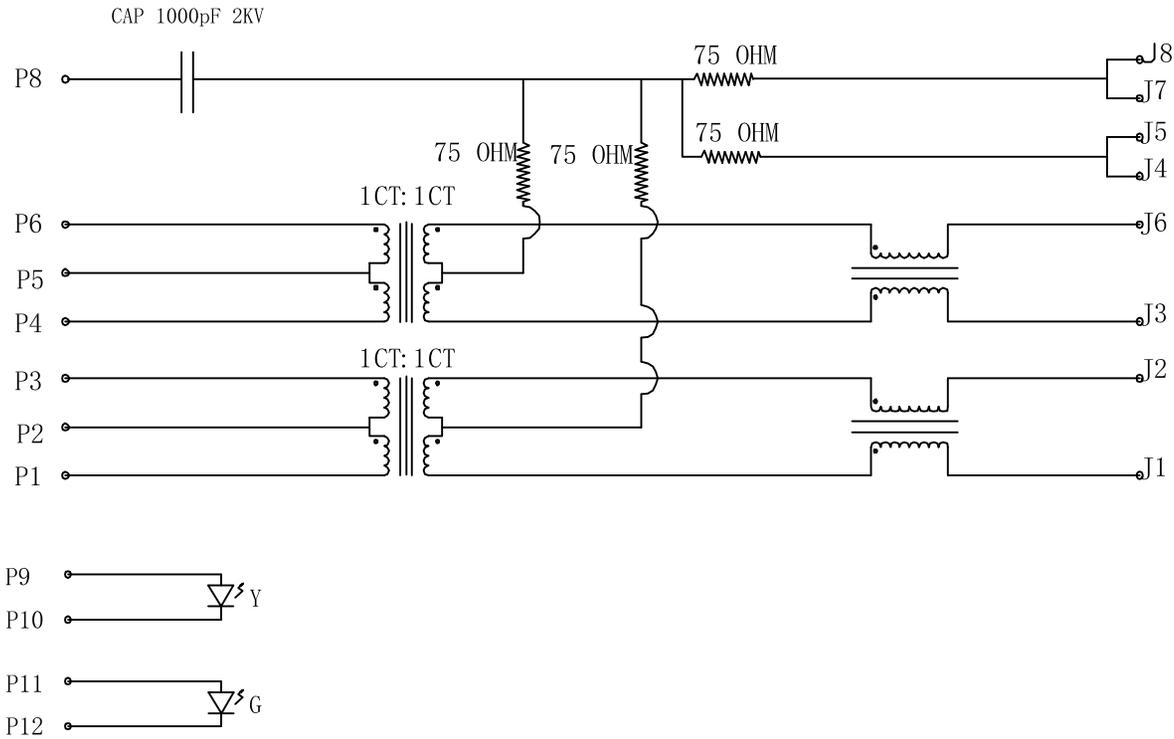


TITLE MODULAR TELEPHONE JACK , 1 PORT, 8P8C W/ LED1 YELLOW, LED2 GREEN		
SIZE X	PART NO. MTJ-88TX1-FSD-PG-LG-M5	REV. D
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

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

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

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



**ELECTRICAL SPECIFICATIONS:**

- Turns Ratio: (P1 ~ P3) : (J1 ~ J2) 1:1 ±3%  
(P4 ~ P6) : (J3 ~ J6) 1:1 ±3%
- Inductance: (P1 ~ P3) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias  
(P4 ~ P6) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
- Leakage Inductance: P1 ~ P3 (with J1 and J2 Short): 0.35uH Max. @ 1 MHZ  
P4 ~ P6 (with J3 and J6 Short): 0.35uH Max. @ 1 MHZ
- Interwinding Capacitance: (P1 ~ P3) : (J1 ~ J2): 35pF max. @ 1MHZ  
(P4 ~ P6) : (J3 ~ J6): 35pF max @ 1mhz
- DC Resistance: (J1 ~ J2):(J3 ~ J6) :1.2 Ohms Max.
- Return Loss: 1MHZ to 30MHZ: -18dB min  
30MHZ to 60MHZ: -(18-20log(f/30))dB min (where f is in MHz)  
60MHz to 80MHz: -12dB min
- Dielectric Withstanding: (P1~P3) : (J1~J2) : 1500VAC OR 2250VDC  
(P4~P6) : (J3~J6) : 1500VAC OR 2250VDC
- Insertion Loss: 1MHZ TO 100MHZ : -1.2dB Max.
- Cross Talk: 1MHZ to 100MHZ: -30dB min.
- Common to Common mode Attenuation 1MHZ to 100MHZ: -30dB min.

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

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

DRAWN	DY	5/25/11
CHECKED		
APPROVED		

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



TITLE MODULAR TELEPHONE JACK , 1 PORT, 8P8C W/ LED1 YELLOW, LED 2 GREEN		
SIZE X	PART NO. MTJ-88TX1-FSD-PG-LG-M5	REV. D
REF: S00005C	SCALE: NTS	SHEET 2 OF 2