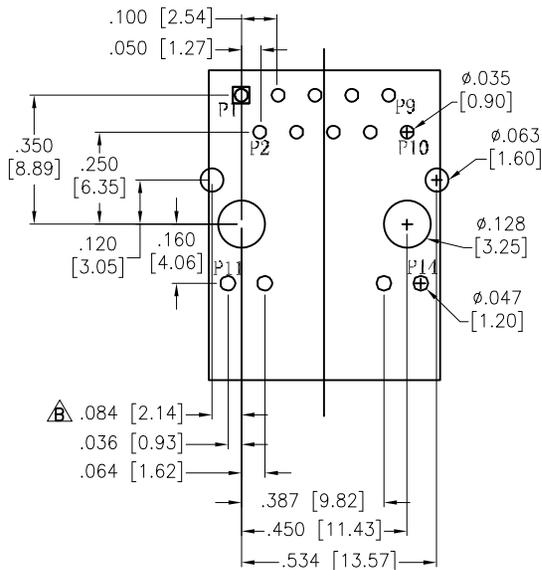
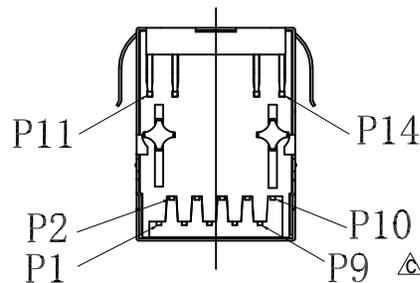
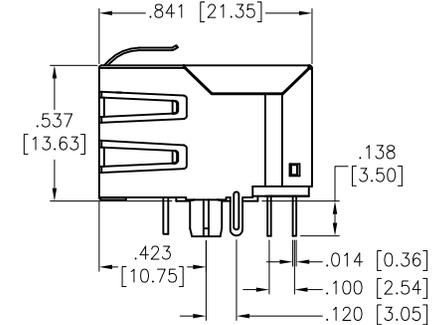
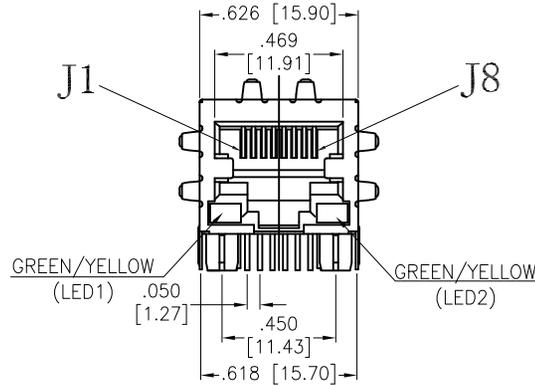


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	1/12/21	
A		ADDED DIM	4/14/21	LH/YC
B		UPDATE DIM.	4/19/21	LH/YC
C		UPDATE DIM.	6/21/21	LH/YC



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:  
 Insulator: Thermoplastic, rated UL 94V-0  
 Insulator 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: 2,250 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	
DRAWN	LH	1/12/21
CHECKED	YC	1/12/21
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&2 GREEN/YELLOW

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-PG-L16-M267C-WOT	C
REF: S00005C	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				

Circuit Schematic:

P11  
P12  
P13  
P14

Pin	Green	Yellow	Pin	Green	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

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

INCHES		HOLES	
.X	± .10	ØX	±.10
.XX	± .020	ØXX	±.015
.XXX	± .015	ØXXX	±.010

DRAWN	LH	1/12/21
CHECKED	YC	1/12/21
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&2 GREEN/YELLOW	
SIZE	PART NO.	REV.	
X	MTJ-88TX1-FSD-PG-L16-M267C-WOT	C	
REF:	S00005C	SCALE:	NTS
		SHEET 2 OF 2	

6 5 4 3 2 1