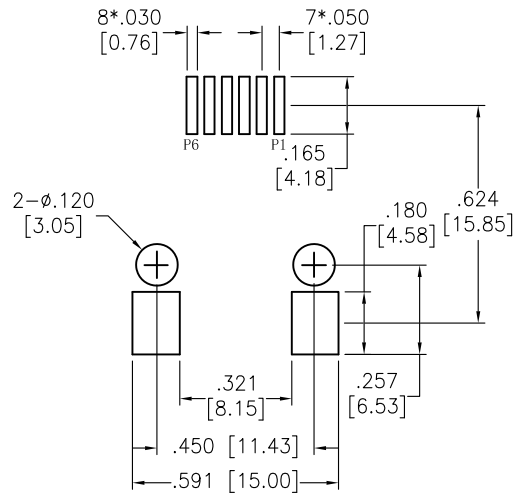


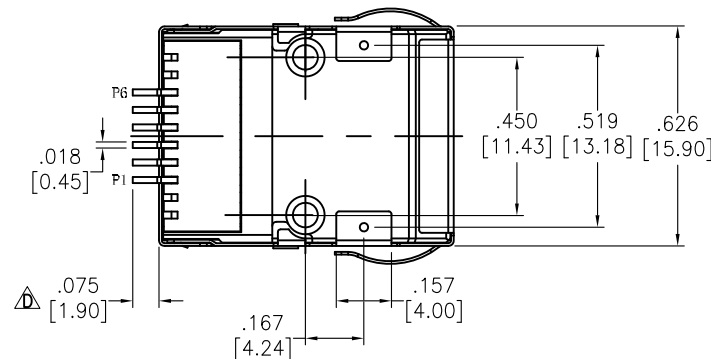
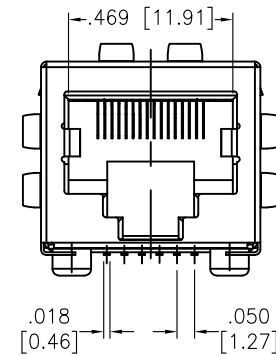
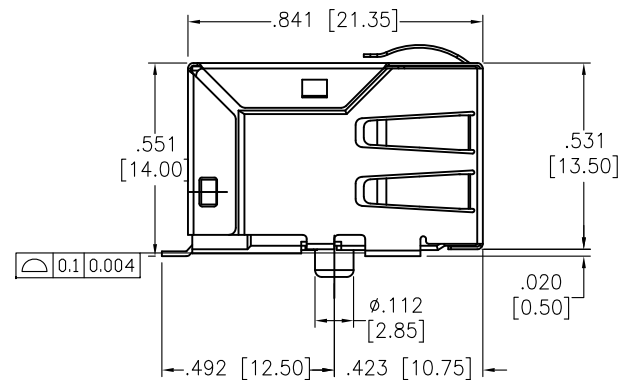
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	12/20/17	
A		ADDED PIN DESIGNATIONS	5/16/19	
B		UPDATE SCHEMATIC	5/21/19	AY/TW
C		UPDATE DRAWING	6/27/19	LH/KL
D		UPDATE DIM.	11/13/23	LH/NL



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

Insulator: (LCP) Hi-Temp Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Copper Alloy

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:

Operating voltage: 150 VAC max

Contact Resistance: 20 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 1500 VAC or 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 $\pm$.10	ϕ X $\pm$.10
.XX $\pm$.020	ϕ .XX $\pm$.015
.XXX $\pm$.015	ϕ .XXX $\pm$.010

DRAWN	AY	12/20/17
CHECKED	RC1	12/20/17
APPROVED		

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

ADAM TECH

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

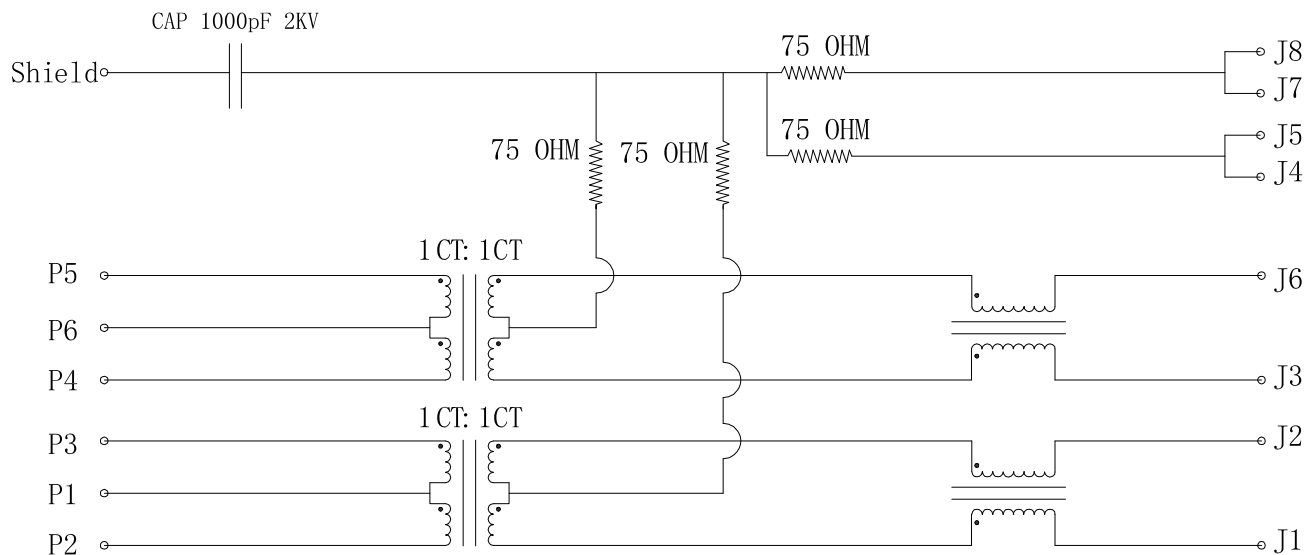
TITLE
MODULAR TELEPHONE JACK, 1 PORT, 8P6C
SURFACE MOUNT

SIZE X	PART NO. MTJ-86TX1-FS-PG-M41-SMT	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				



Electronical Specifications:

- Turn Ratio @100KHz: (P2~P3):(J1~J2) = 1:1±5%
(P4~P5):(J3~J6) = 1:1±5%
- Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- DC Resistance:(J1~J2):(J3~J6) 1.2 OHMS MAX
- Insertion Loss: 1-100MHz -1.2dB MAX
- Return Loss: 1-30MHz -16dB MIN
30-60MHz -12dB MIN
60-80MHz -10dB MIN
- CROSS TALK: 1-100MHz -30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- Isolation: PHY Side to Line Side: 1500VAC or 2250VDC

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED			ADAM TECH		909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710	
INCHES .X ±.10 .XX ±.020 .XXX ±.015						
HOLES ØX ±.10 ØXX ±.015 ØXXX ±.010						
DRAWN	AY	12/20/17	TITLE MODULAR TELEPHONE JACK, 1 PORT, 8P6C SURFACE MOUNT			
CHECKED	RC1	12/20/17				
APPROVED						
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH			SIZE X	PART NO. MTJ-86TX1-FS-PG-M41-SMT		
			REF: S00005C	SCALE: NTS	SHEET 2 OF 2	