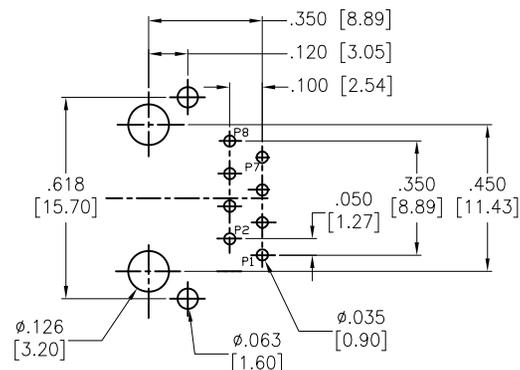
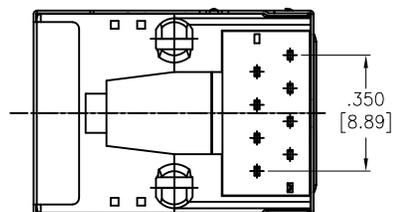
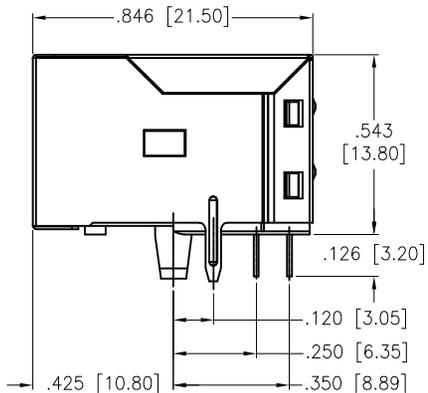
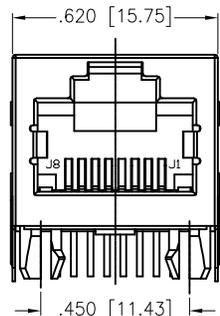


Rev	AWO #	Description	Date	Appr
-		RELEASED	4/10/19	
A		UPDATED SHAPE	3/15/22	JJ/YC

APPROVED: _____

DATE: _____ TITLE: _____



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

Housing: PA66, rated UL 94V-0, Color: Black

Insert: PBT, rated UL 94V-0, 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:

Voltage rating: 150 VAC

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	± .10	ØX	± .10
.XX	± .020	ØXX	± .015
.XXX	± .015	ØXXX	± .010

DRAWN	AY	4/10/19
CHECKED	YC	4/10/19
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

SIZE	PART NO.	REV.
X	MTJ-88TUX1-FSD-M378C-WOT	A

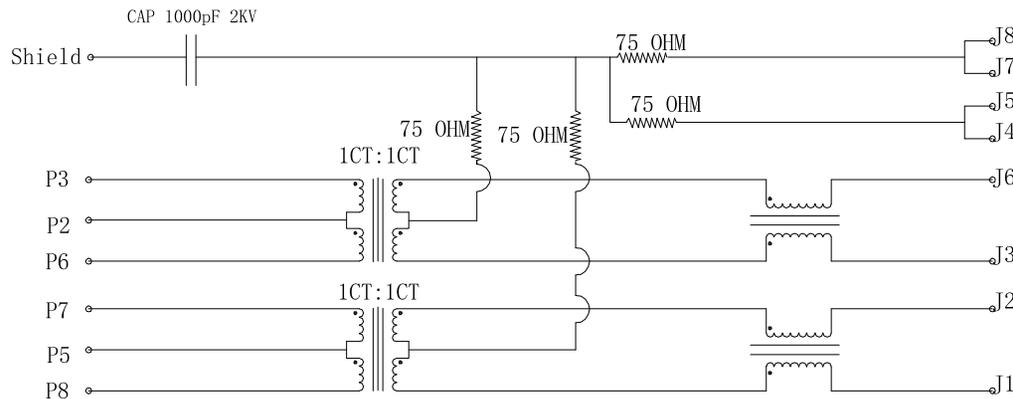
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Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

APPROVED: _____

DATE: _____ TITLE: _____

Circuit Schematic:



Electronical Specifications:

- Turn Ratio @100KHz: (P8~P7):(J1~J2) = 1:1±5%
(P6~P3):(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		
INCHES		HOLES
.X ± .10	ØX ± .10	
.XX ± .020	ØXX ± .015	
.XXX ± .015	ØXXX ± .010	
DRAWN	AY	4/10/19
CHECKED	YC	4/10/19
APPROVED		
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TITLE		
MODULAR TELEPHONE JACK, 1 PORT, 8P8C		
SIZE	PART NO.	REV.
X	MTJ-88TUX1-FSD-M378C-WOT	A
REF: S00005C	SCALE: NTS	SHEET 1 OF 1