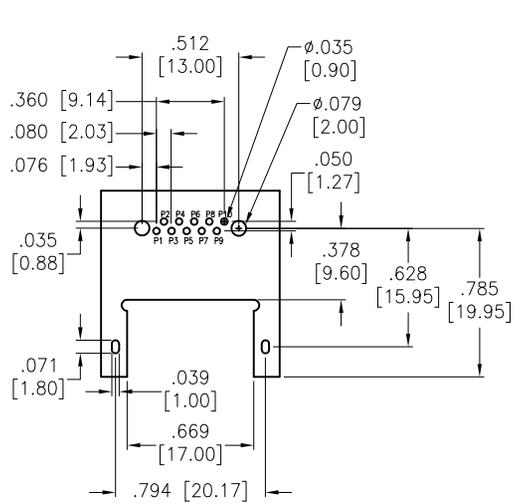
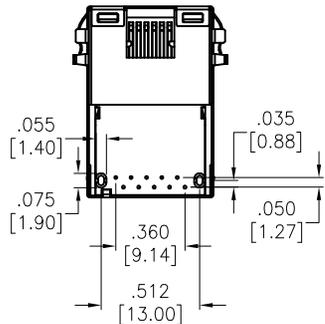
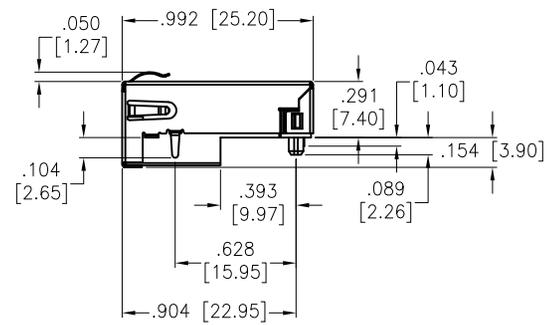
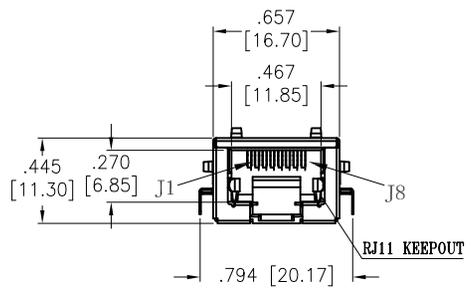


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/28/19	



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:  
 Housing: (LCP) Hi-Temp Thermoplastic, rated UL 94V-0, 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: 500 VAC  
 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	Ø.X	± .10
.XX	± .020	Ø.XX	± .015
.XXX	± .015	Ø.XXX	± .010

APPROVALS		DATE
DRAWN	OW	11/28/19
CHECKED	DH	11/28/19
APPROVED		



TITLE			
MODULAR TELEPHONE JACK, 1 PORT, 8P8C			
EDGE HANG, HI-TEMP			
SIZE	PART NO.	REV.	
X	MTJ-88SDEX1-FS-PG-M389C-HT	-	
REF:	S00005C	SCALE:	NTS
		SHEET 1 OF 2	

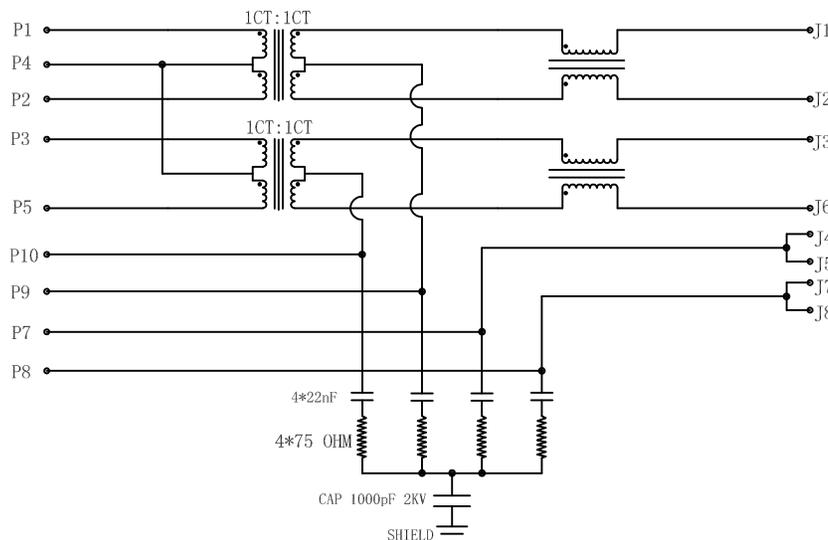
APPROVED: \_\_\_\_\_

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

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

Circuit Schematic:



Electronical Specifications:

- Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±5%  
(P3~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: 500VAC
- DC CURRENT/VOLTAGE RATING-PSE PINS: 350mA @57V(CONTINUOUS)

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



TITLE  
MODULAR TELEPHONE JACK, 1 PORT, 8P8C  
EDGE HANG, HI-TEMP

APPROVALS		DATE
DRAWN	OW	11/28/19
CHECKED	DH	11/28/19
APPROVED		

SIZE X	PART NO. MTJ-88SDEX1-FS-PG-M389C-HT	REV. -
REF: S00005C	SCALE: NTS	SHEET 2 OF 2