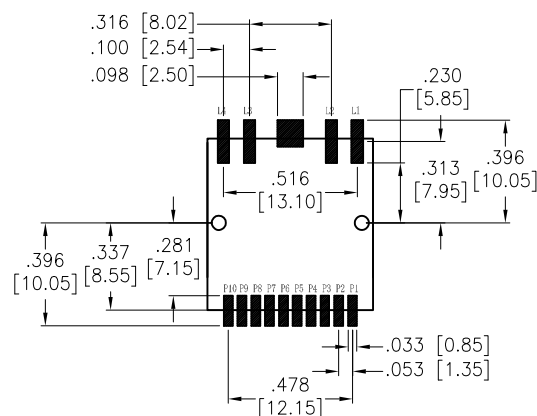
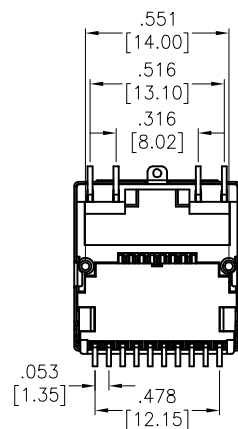
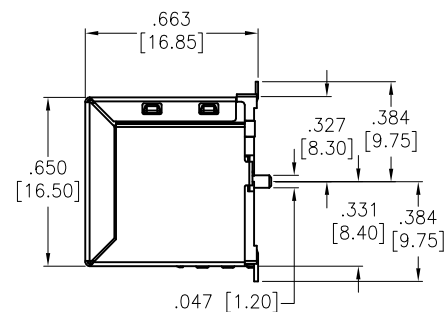
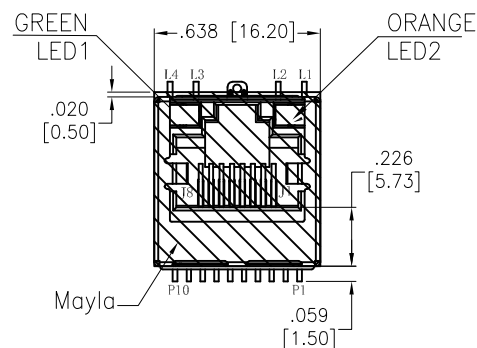


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/12/20	



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

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

Insulator color: Black

Contacts: Phosphor Bronze

Shield: Brass, Nickel plated

Contact 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: 2250 VDC For 1 Minute

Temperature Rating:

Operating temperature: -40°C to +85°C

Agency Certifications:

UL Recognized 

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	LH	5/12/20
CHECKED	AC	5/12/20
APPROVED		



TITLE		
MODULAR TELEPHONE JACK, 8P8C		
W/ LED1 GREEN, W/ LED2 ORANGE, 2.5G BASE-T		
SIZE	PART NO.	REV.
X	MTJ-88AX1-FS-TSMT-P-L5-M398CH-WOT-KT	-
REF:	S00005C	SCALE: NTS
SHEET 1 OF 2		

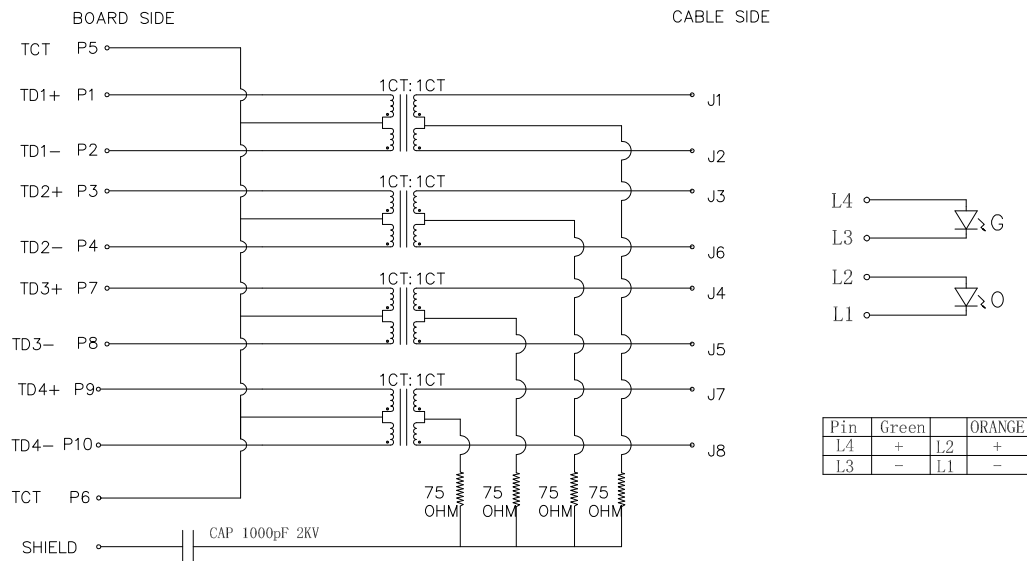
6 5 4 3 2 1

APPROVED: _____

DATE: _____ TITLE: _____

Rev AWO # Description Date Appr

SEE SHT 1 OF 2 FOR REVISION



Electronical Specifications:

PARAMETER	SPECIFICATIONS			
Turns Ratio	1.00 ± 2%			
Polarity	PER SCHEMATIC			
Insertion Loss (Data Channels)	1MHz-50MHz	50-125 MHz	125-250 MHz	
	-0.5dB MAX	-1.0dB MAX	-2.0 dB MAX	
Return Loss (Z OUT=100 OHM ±1%)	1MHz TO 40MHz		40MHz TO 250MHz	
	-20dB MIN		-16+10Log(Freq MHz/40MHz)dB MIN	
Inductance (OCL)	180 uH MIN @ 100 KHz, 100 mV			
Reflected CM to DIFF Conversion (REF)	1 MHz	50 MHz	100 MHz	200 MHz
	-30dB MAX	-30dB MAX	-27dB MAX	-24dB MAX
Reflected DIFF to CM Conversion (REF)	1 MHz TO 10 MHz		10 MHz TO 200 MHz	
	-48 dB MIN		-48+19Log(Freq MHz/10MHz) dB MIN	
CM to CM Attenuation (REF)	1 MHz-200MHz			
	-25dB MIN			
CROSS TALK	1 MHz TO 40 MHz		40 MHz TO 125 MHz	
	-35dB MIN		-35+15log(Freq MHz/40MHz)dB MIN	
HIPOT-OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS			

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	LH		5/12/20	
CHECKED	AC		5/12/20	
APPROVED				
			TITLE	
			MODULAR TELEPHONE JACK, 8P8C	
			W/ LED1 GREEN, W/ LED2 ORANGE, 2.5G BASE-T	
			SIZE	PART NO.
			X	MTJ-88AX1-FS-TSMT-P-L5-M398CH-WOT-KT
			REF: S00005C	SCALE: NTS
			SHEET 2 OF 2	