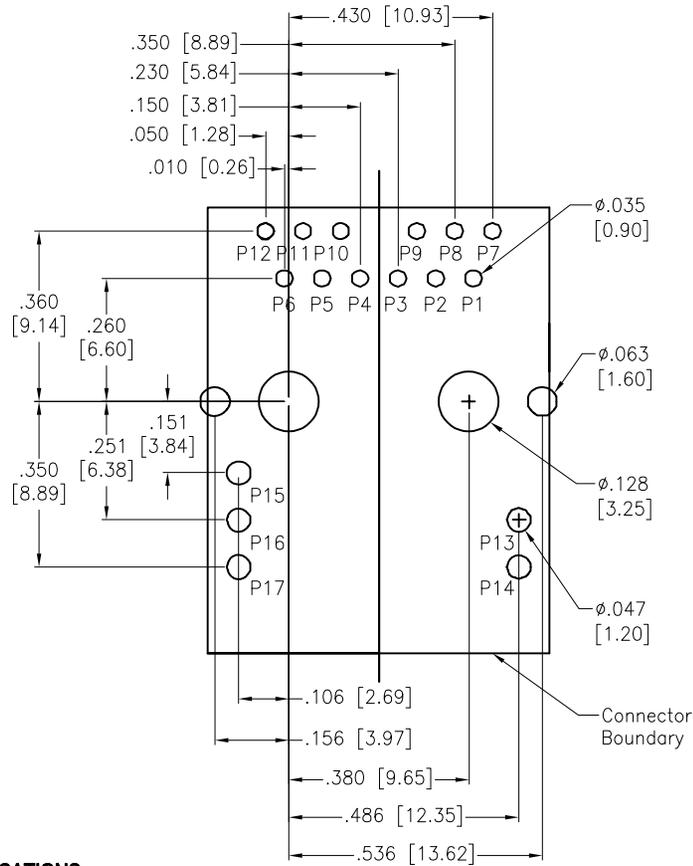


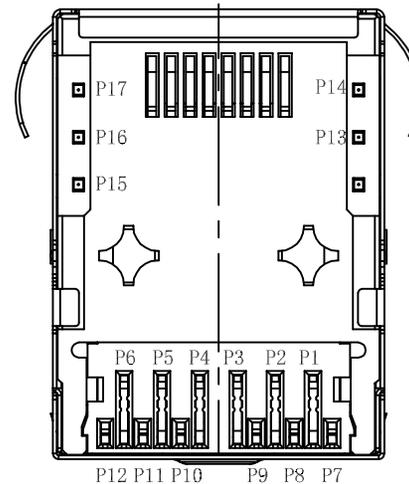
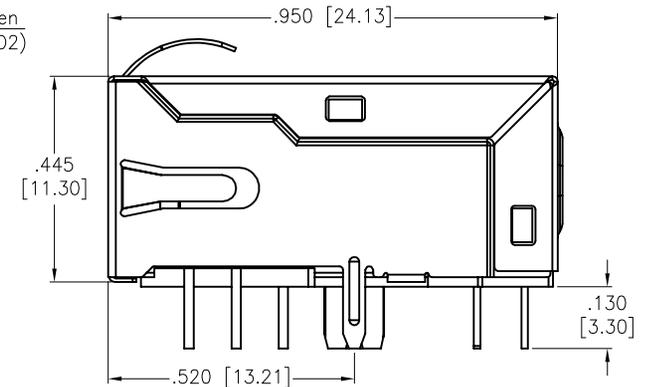
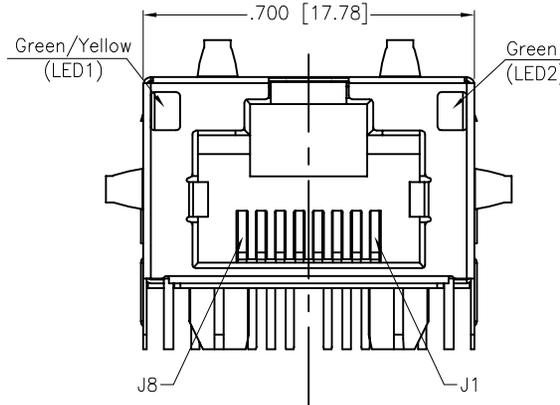
APPROVED: \_\_\_\_\_

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

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/14/19	
A		UPDATE DRAWING	11/15/23	LH/MC



RECOMMENDED PCB LAYOUT



**SPECIFICATIONS:**

**Material:**

Insulator: 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: 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	∅X	±.10
.XX	± .020	∅XX	±.015
.XXX	± .015	∅XXX	±.010

DRAWN	AY	11/14/19
CHECKED	LW	11/14/19
APPROVED		

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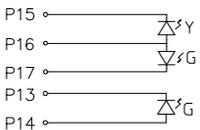
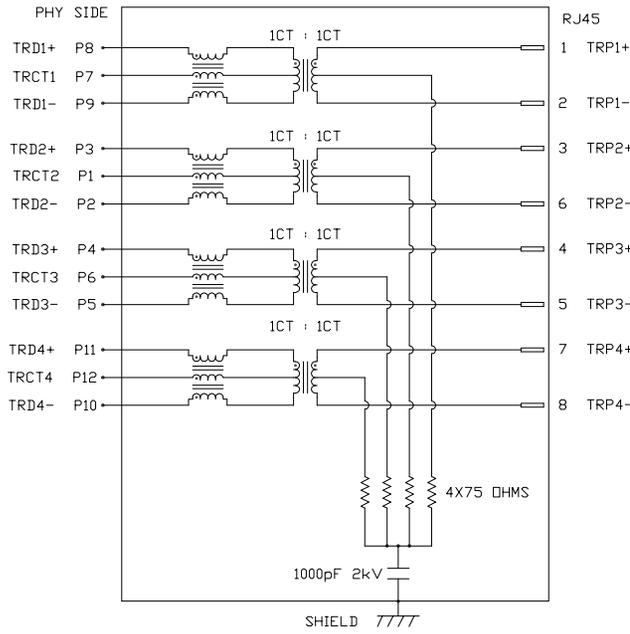
TITLE MODULAR TELEPHONE JACK, 1 PORT, 8P8C, 10G BASE-T, W/ LED1 GREEN/YELLOW, LED2 GREEN		
SIZE X	PART NO. MTJ-88SUX1-FS-PG-VL41-M245C-WOT	REV. A
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

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

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

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

Circuit Schematic:



Pin	Green	Yellow	Green
P13	-	P15	-
P14	+	P16	+
		P17	-

ELECTRICAL SPECIFICATIONS :

PARAMETER	SPECIFICATIONS		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (DATA CHANNELS)	100 KHz	1-400 MHz	
	-3.0 dB MAX	-2.0 dB MAX (-1.4dB TYP)	
RETURN LOSS (Z OUT=100 OHM ±1%)	1-40 MHz	40 MHz-400 MHz	400 MHz-500 MHz
	-16 dB MIN	-16+10LOG<f/40>dB	-6+30LOG<f/400>dB
INDUCTANCE (OCL)	160 uH MIN @ 100 KHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS	1-100 MHz	100-500 MHz	
	-28 dB MIN	-19 dB MIN	
COMMON MODE REJECTION RATIO	1-40 MHz	40-100 MHz	100-500 MHz
	-30 dB MIN	-28 dB MIN	-26 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1-250 MHz	250-500 MHz	
	-30 dB MIN	-22 dB MIN	
HIPOT-OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHz.

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

INCHES		HOLES	
.X	± .10	Ø.X	±.10
.XX	± .020	Ø.XX	±.015
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DRAWN	AY	11/14/19
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TITLE		REV.
MODULAR TELEPHONE JACK, 1 PORT, 8P8C, 10G BASE-T, W/ LED1 GREEN/YELLOW, LED2 GREEN		A
SIZE	PART NO.	
X	MTJ-88SUX1-FS-PG-VL41-M245C-WOT	
REF:	S00005C	SHEET 2 OF 2