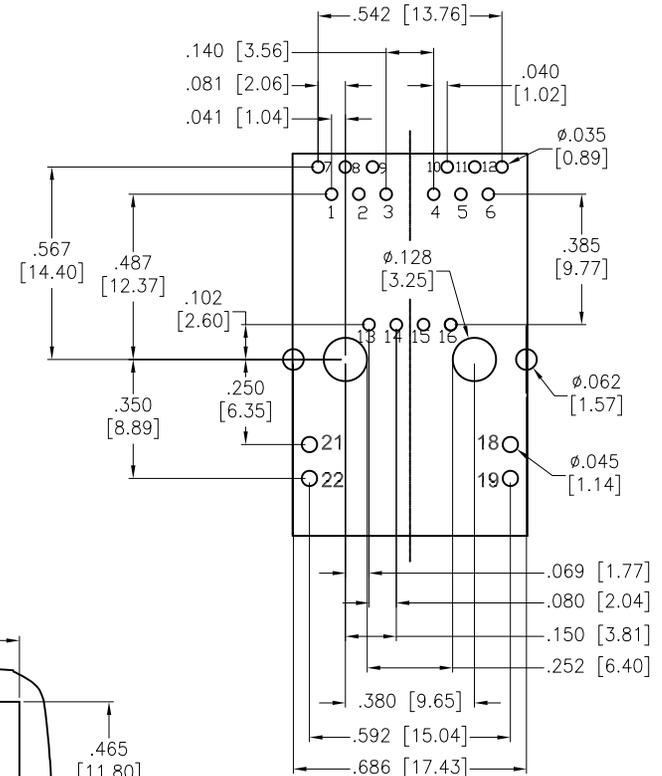
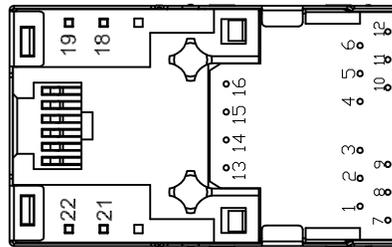
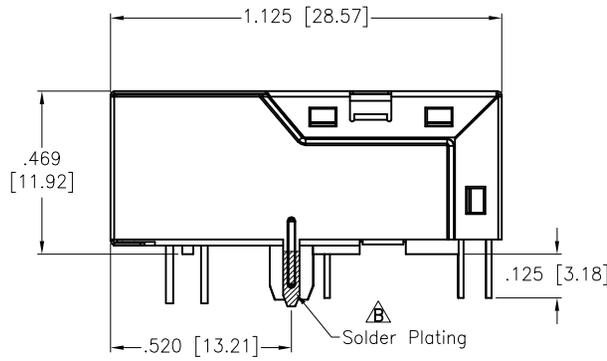
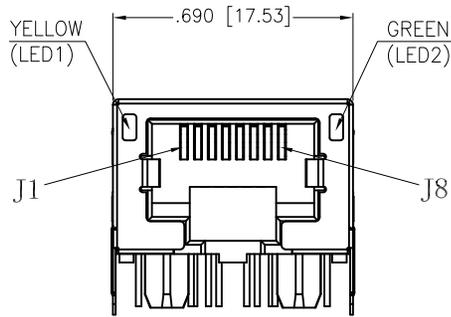


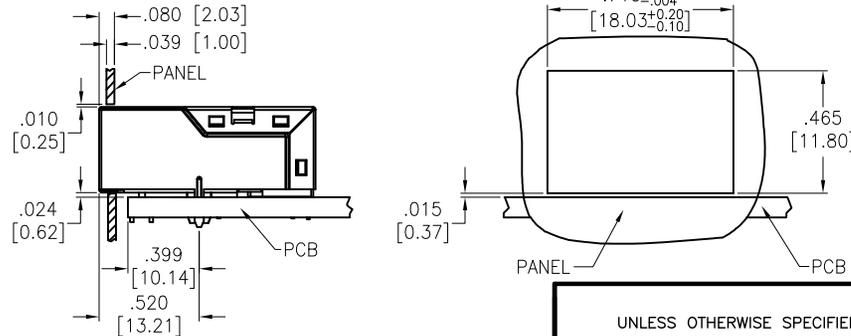
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 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/7/19	
A		UPDATE SPEC.	3/22/21	WX/JL
B		ADDED SPEC.	3/7/23	LH/MC



RECOMMENDED PCB LAYOUT

Suggested Panel Opening:



**SPECIFICATIONS:**

**Material:**  
 Insulator: Thermoplastic, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Phosphor Bronze  
 Shield: Brass, Nickel plated  
 Plating:  
 Gold over Nickel underplate overall  $\Delta$   
 or  
 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  
**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



TITLE  
**MODULAR JACK, 1 PORT, 8P, FULL SHIELD  
 W/ LED1 YELLOW, LED2 GREEN, 5G BASE-T**

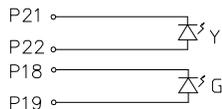
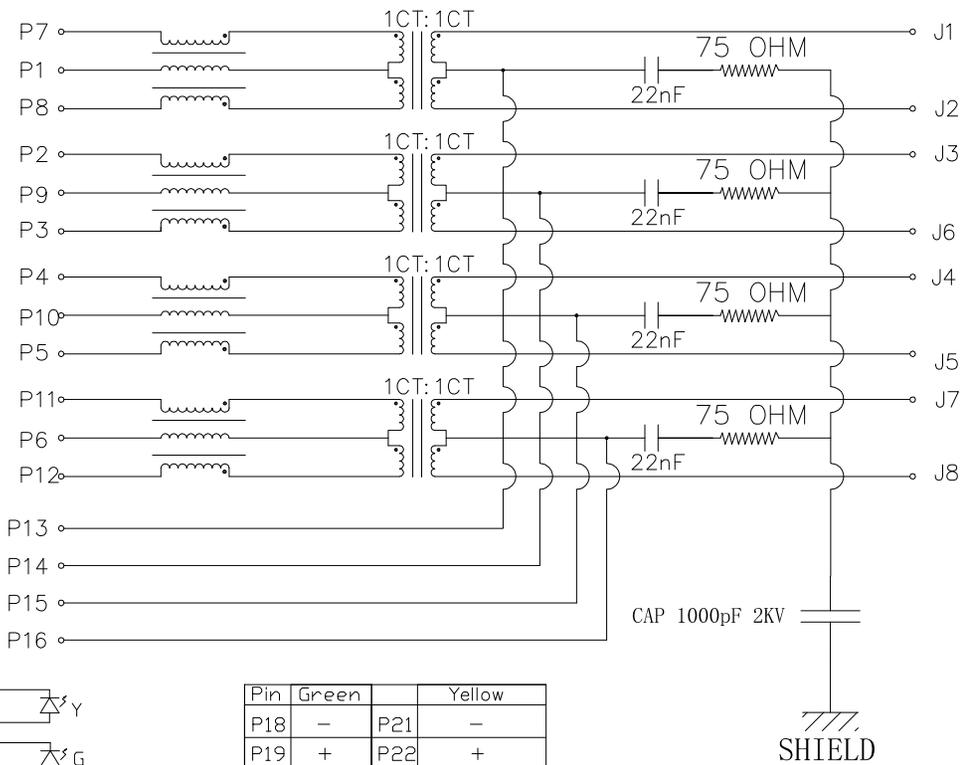
APPROVALS		DATE
DRAWN	AY	11/7/19
CHECKED	IW	11/7/19
APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88AGX1-FS-VLG-M374C-WOT	B

REF: S00005C SCALE: NTS SHEET 1 OF 2

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

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



Pin	Green		Yellow
P18	-	P21	-
P19	+	P22	+

PARAMETER	SPECIFICATIONS		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	1-50MHz	50-125MHz	125-250MHz
	-0.5 dB MIN	-1.2 dB MIN	-2 dB MIN
RETURN LOSS	1-40 MHz	40-250 MHz	
	-16 dB MIN	-16+10Log10(f/40) 40<f≤250 dB	
COMMON MODE REJECTION RATIO	1-40 MHz	40-100 MHz	100-250 MHz
	-30 dB MIN	-28 dB MIN	-26 dB MIN
DIFFERENTIAL MODE TO COMMON MODE ATTENUATION	1-250 MHz		
	-30dB MIN		
INDUCTANCE (OCL)	180uH MIN @100KHZ,0.1V WITH 8mA DC BIAS		
CURRENT CARRYING CAPABILITY,RJ45 PIN 1-8	720mA MAX. @57VDC CONTINUOUS		
INPUT - OUTPUT ISOLATION	2250 VDC MINIMUM FOR 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	AY	11/7/19
CHECKED	IW	11/7/19
APPROVED		



TITLE MODULAR JACK, 1 PORT, 8P, FULL SHIELD W/ LED1 YELLOW, LED2 GREEN, 5G BASE-T		
SIZE X	PART NO. MTJ-88AGX1-FS-VLG-M374C-WOT	REV. B
REF: S00005C	SCALE: NTS	SHEET 2 OF 2