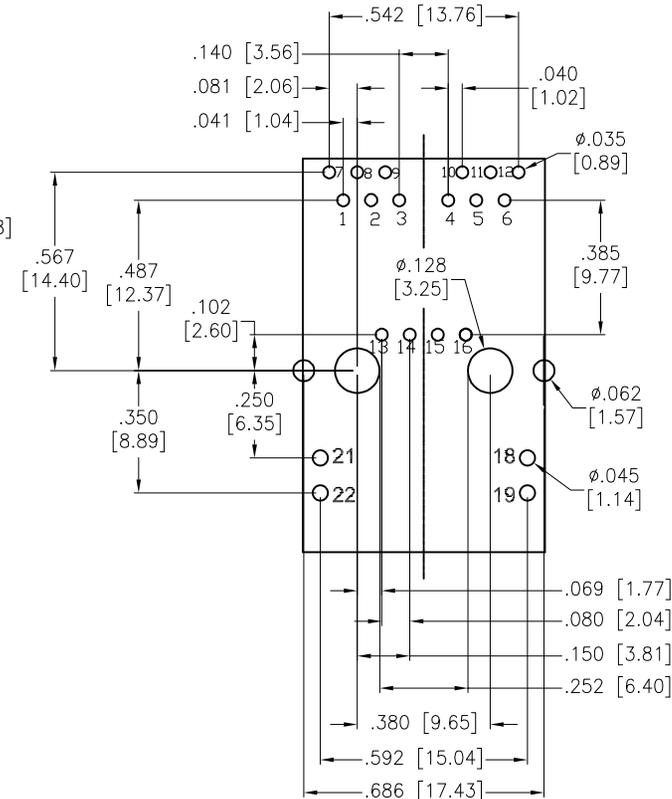
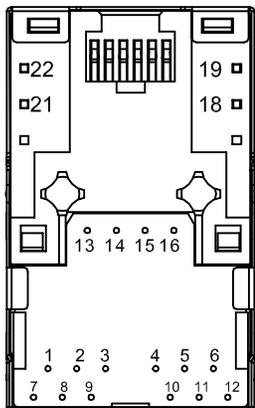
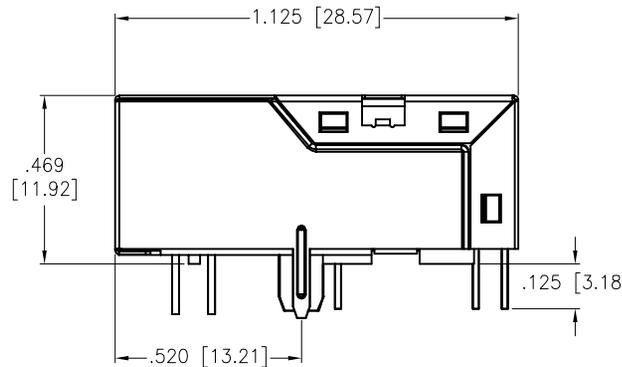
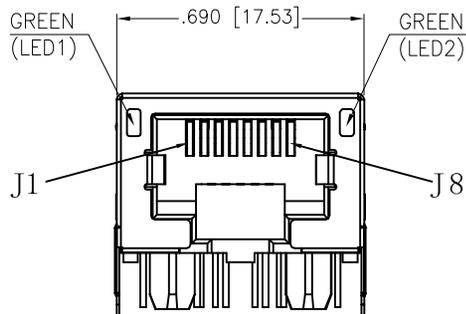


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/16/24	
A		UPDATED TITLE	6/3/24	JJ/JL



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

Insulator: Thermoplastic, rated UL 94V-0

Insulator 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

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	Ø.XX	± .015
.XXX	± .015	Ø.XXX	± .010



DRAWN	WX	5/16/24
CHECKED	JL	5/16/24
APPROVED		

TITLE: MODULAR JACK, 1 PORT, 8P8C, FULL SHIELD W/ LED1 GREEN , LED2 GREEN, 25G BASE-T

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

SIZE	PART NO.	REV.
X	MTJ-88AGX1-FS-VLD-M501C-WOT	A

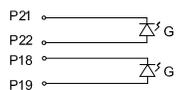
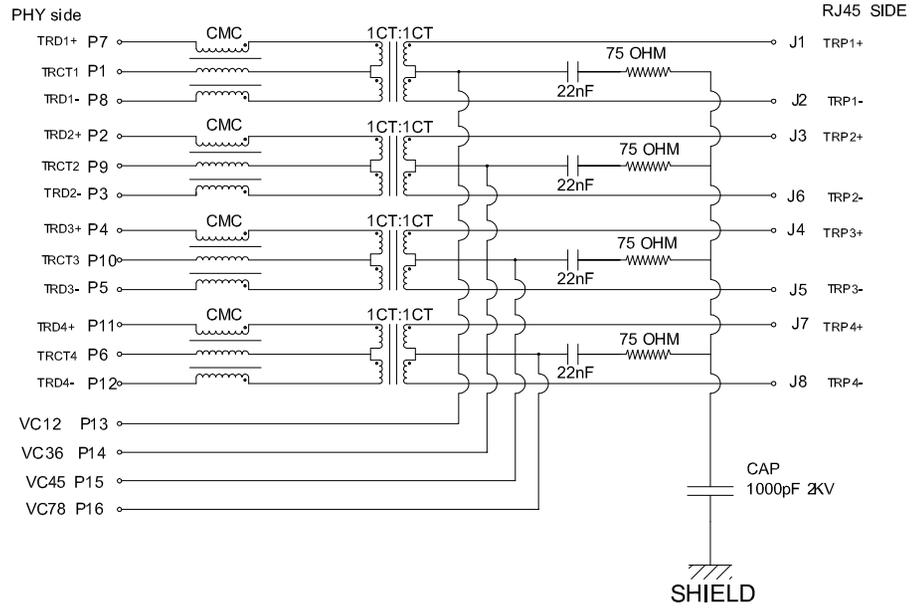
REF: S00005C SCALE: NTS SHEET 1 OF 2

APPROVED: _____

DATE: _____ TITLE: _____

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

Circuit Schematic:



Pin	Green	Green
P18	-	P21 -
P19	+	P22 +

ELECTRICAL CHARACTERISTICS @ 25°C

PARAMETER	SPECIFICATIONS		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (DATA CHANNELS)	1-1250 MHz		
	-2.0dB MAX		
RETURN LOSS (Z OUT=100 OHM ±1%)	1-40 MHz	40-400 MHz	400-1250 MHz
	-16dB MIN	-8dB MIN	-8 dB MIN
	INDUCTANCE (OCL) 100 uH MIN @ 100 KHz, 100 mV		
COMMON MODE REJECTION RATIO	1-100 MHz	100-1250 MHz	
	-30 dB MIN	-20 dB MIN	
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1-100 MHz	100-1250 MHz	
	-30 dB MIN	-20 dB MIN	
CROSS TALK	-43.1+20LOG ₁₀ (f/100)dB 40-1250MHz		
HIPOT-OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

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	WX	5/16/24
CHECKED	JL	5/16/24
APPROVED		

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TITLE MODULAR JACK, 1 PORT, 8P8C, FULL SHIELD W/ LED1 GREEN, LED2 GREEN, 25G BASE-T		
SIZE X	PART NO. MTJ-88AGX1-FS-VLD-M501C-WOT	REV. A
REF: S00005C	SCALE: NTS	SHEET 2 OF 2

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.
BALANCED DC LINE CURRENT 720mA MAX. @ 57 VDC CONTINUOUS/60W