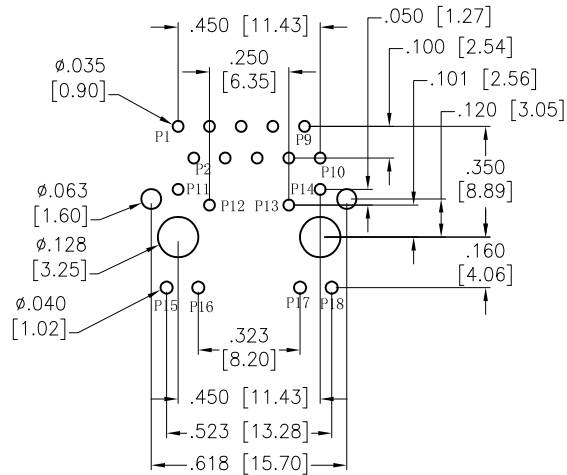


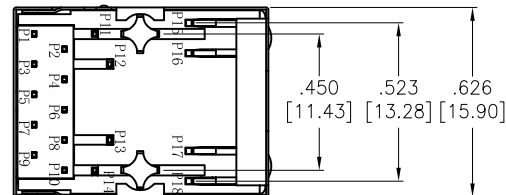
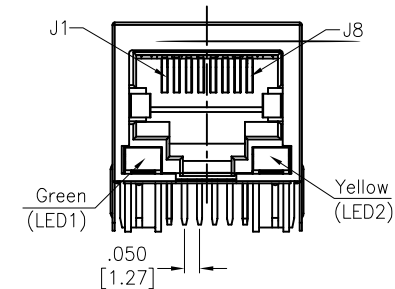
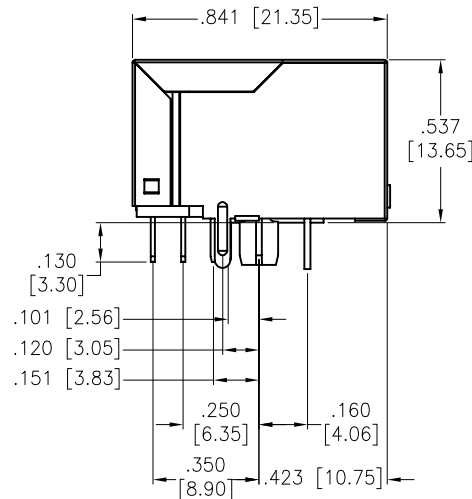
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/15/24	
A		UPDATED TITLE	6/3/24	JJ/JL



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

Housing: PA66, rated UL 94V-0, Color: Black

Insert: PA66, rated UL 94V-0, Color: Black

Contacts: Copper Alloy

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: 2,250 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 $\pm .10$	ϕ X $\pm .10$
.XX $\pm .020$	ϕ .XX $\pm .015$
.XXX $\pm .015$	ϕ .XXX $\pm .010$

DRAWN	WX	5/15/24
CHECKED	JL	5/15/24
APPROVED		

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



TITLE
MODULAR 1G POE JACK, 1 PORT, 8P8C
W/ LED1 GREEN LED2 YELLOW, 25G BASE-T

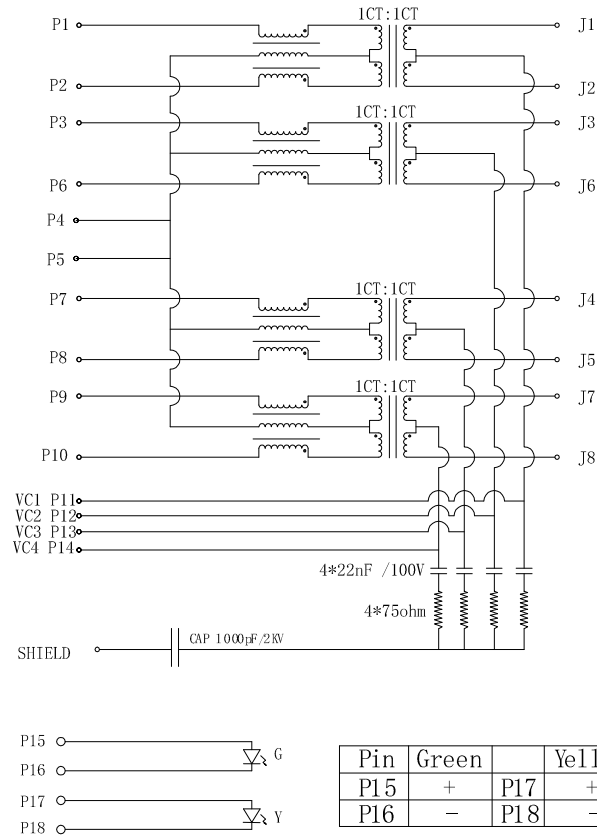
SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-LH-M365BC-WOT	A
REF:	S00005C	SCALE: NTS
		SHEET 1 OF 2

APPROVED: _____

DATE: _____ TITLE: _____

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

Circuit Schematic:



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 (DCL)	120 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		

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

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED		
INCHES .X ±.10 .XX ±.020 .XXX ±.015	HOLES Ø.X ±.10 Ø.XX ±.015 Ø.XXX ±.010	
DRAWN	WX	5/15/24
CHECKED	JL	5/15/24
APPROVED		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH		

TITLE MODULAR 1G POE JACK, 1 PORT, 8P8C W/ LED1 GREEN LED2 YELLOW, 25G BASE-T		
SIZE X	PART NO. MTJ-88TX1-FSD-LH-M365BC-WOT	REV. A
REF: S00005C	SCALE: NTS	SHEET 2 OF 2