

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

Rev

AWO #

Description

Date

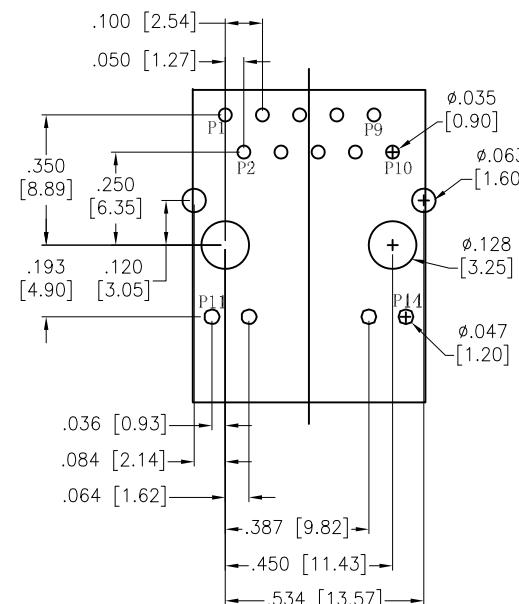
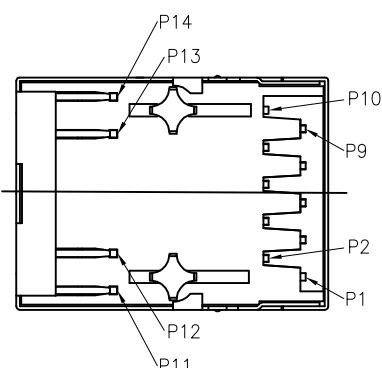
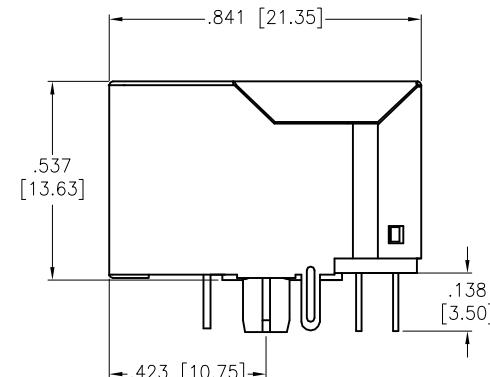
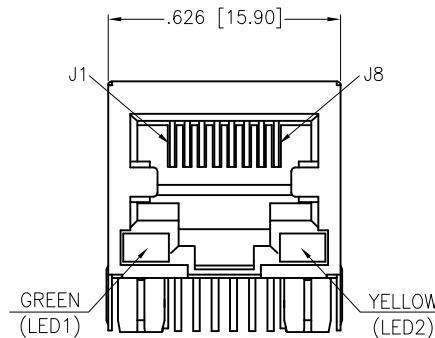
Appr

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RELEASED

11/13/18

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



## 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: 2,250 VDC

Temperature Rating:

Operating temperature: 0 to +70°C

Environmental:

Lead free, RoHS compliant.

RoHS  
COMPLIANT

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

## APPROVALS

## DATE

DRAWN AY 11/13/18

CHECKED NL 11/13/18

APPROVED

**ADAM  
TECH**  
INTERCONNECTS

909 Rahway Avenue,  
Union, NJ 07083  
Phone: 908-687-5000  
Fax: 908-687-5710

TITLE  
MODULAR JACK, 1 PORT, 8P8C  
W/ LED1 GREEN, LED2 YELLOW

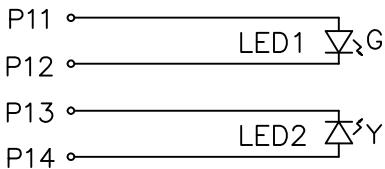
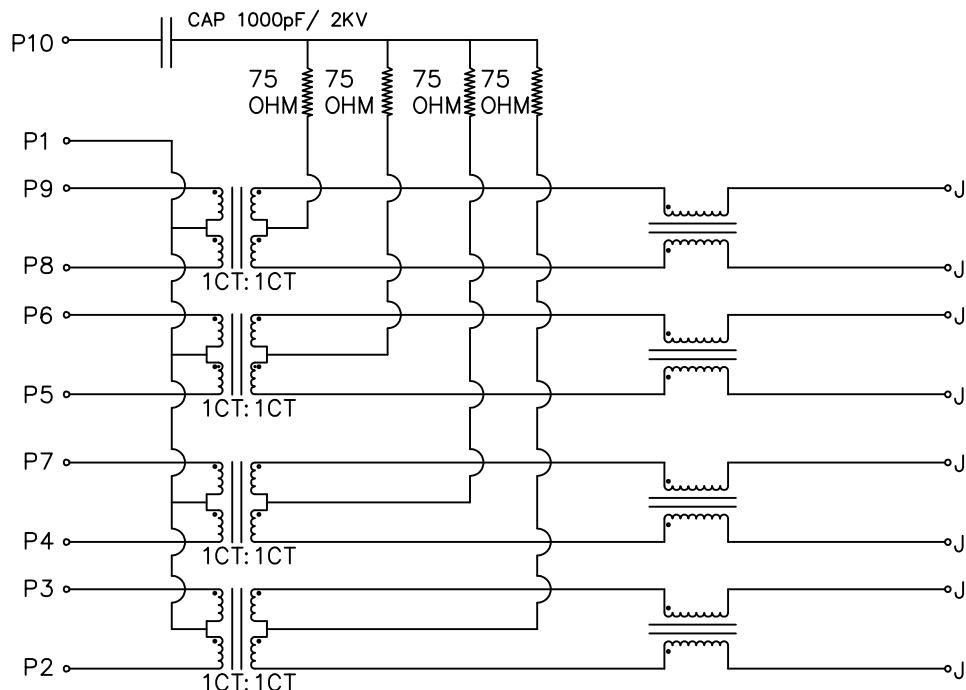
SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-LH1-M47C1	-
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

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

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

SEE SHT 1 OF 2 FOR REVISION

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LED1	Green	LED2	Yellow
P11	+	P13	-
P12	-	P14	+

## Electronical Specifications:

1. Turn Ratio @100KHz: (P2~P3):(J1~J2) = 1:1±5%  
(P4~P7):(J3~J6) = 1:1±5%  
(P5~P6):(J4~J5) = 1:1±5%  
(P8~P9):(J7~J8) = 1:1±5%

2. Primary Inductance: 350uH MIN @100KHZ, 0.1V 8mA DC BIAS

3. DC Resistance: 1.2 OHMS MAX

4. Insertion Loss: 1-100MHz -1.0dB MAX  
100-125MHz -1.2dB MAX5. Return Loss: 1-40MHz -16dB MIN  
40-60MHz -12dB MIN  
60-80MHz -10dB MIN  
80-100MHz -8dB MIN

6. CROSS TALK: 1-100MHz -30dB MIN

7. COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN

8. Isolation: PHY Side to Line Side: 2250VDC

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TOLERANCES: EXCEPT AS NOTED  
INCHES HOLES  
.X ± .10 ØX ± .10  
.XX ± .020 ØXX ± .015  
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W/ LED1 GREEN, LED2 YELLOW

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-LH1-M47C1	-
REF: S0005C	SCALE: NTS	SHEET 2 OF 2