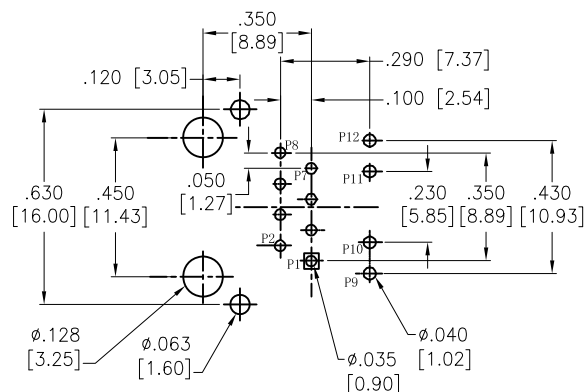


APPROVED: \_\_\_\_\_

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

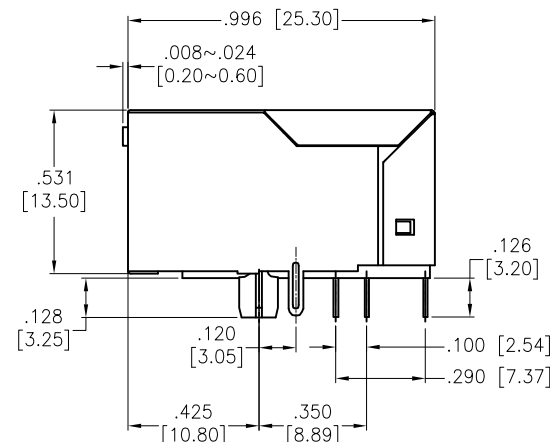
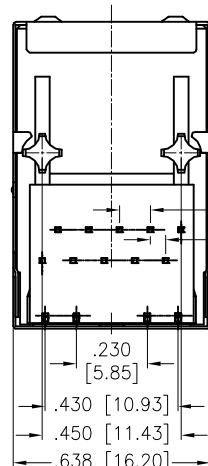
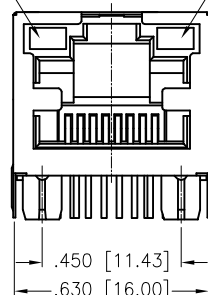
| Rev | AWO # | Description  | Date     | Appr  |
|-----|-------|--------------|----------|-------|
| -   |       | RELEASED     | 07/11/12 |       |
| A   |       | UPDATE SHAPE | 12/11/15 | AY/CH |
| B   |       | UPDATE SPEC. | 7/13/16  | AY/CH |



RECOMMENDED P.C.B. LAYOUT

Yellow (LED1)

Green (LED2)



| X | PLATING     |
|---|-------------|
| 0 | 15 µIn Gold |
| 1 | 30 µIn Gold |
| 2 | 50 µIn Gold |
| 6 | 6 µIn Gold  |

Material:  
Housing: PA66, rated UL 94V-0, Color: Black  
Inserter: PBT, 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  
(See chart for thickness)

Electrical:  
Voltage rating: 150 VAC max  
Contact Resistance: 20 mohms max  
Insulation resistance: 500 Mohms min  
Dielectric withstanding voltage: 1500 VAC for 1 minute  
Temperature Rating:  
Operating temperature: 0°C to +70°C  
Environmental:  
Lead free, RoHS compliant.



|                                                                                                             |                     |  |                                                                                                 |  |  |
|-------------------------------------------------------------------------------------------------------------|---------------------|--|-------------------------------------------------------------------------------------------------|--|--|
| UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS ARE INCHES [MM]<br>TOLERANCES: EXCEPT AS NOTED<br>INCHES HOLES |                     |  | <b>ADAM TECH</b><br>909 Rahway Avenue, Union, NJ 07083<br>Phone: 908-687-5000 Fax: 908-687-5710 |  |  |
| APPROVALS                                                                                                   |                     |  | DATE                                                                                            |  |  |
| DRAWN                                                                                                       | TW                  |  | 07/11/12                                                                                        |  |  |
| CHECKED                                                                                                     | AY                  |  | 07/11/12                                                                                        |  |  |
| APPROVED                                                                                                    |                     |  |                                                                                                 |  |  |
| TITLE                                                                                                       |                     |  | MODULAR JACK GANGED, 1 PORT, 8P8C<br>W/ LED1 YELLOW, LED2 GREEN                                 |  |  |
| SIZE                                                                                                        | PART NO.            |  | REV.                                                                                            |  |  |
| X                                                                                                           | MTJ-88SX1-FSD-LG-M5 |  | B                                                                                               |  |  |
| REF: S00005C                                                                                                |                     |  | SCALE: NTS                                                                                      |  |  |
|                                                                                                             |                     |  | SHEET 1 OF 2                                                                                    |  |  |

6

5

4

3

2

1

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

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

Rev

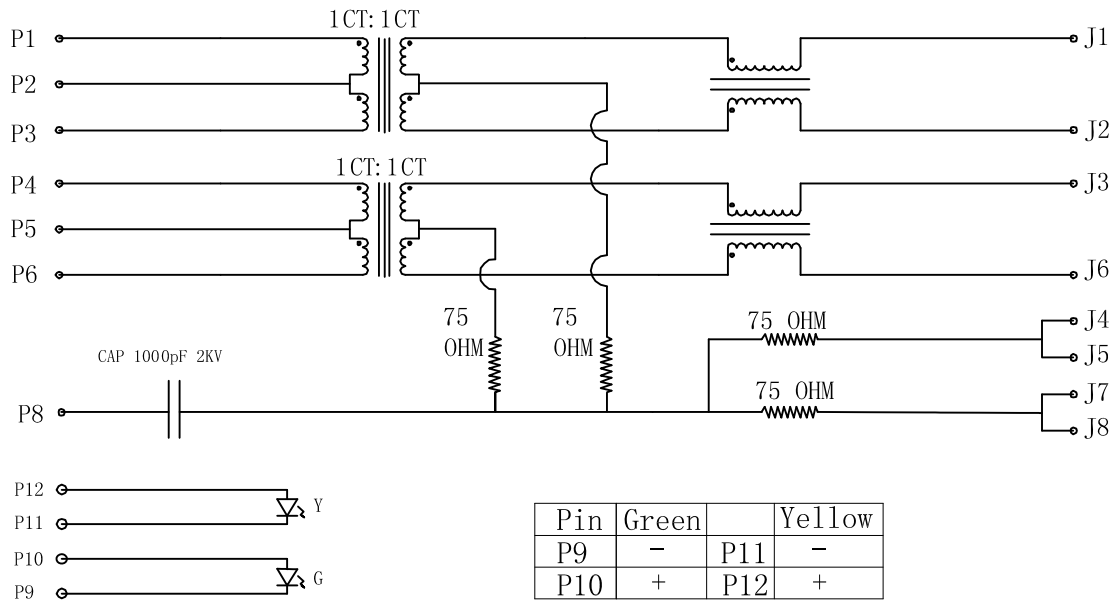
AWO #

Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION



| Pin | Green |     | Yellow |
|-----|-------|-----|--------|
| P9  | -     | P11 | -      |
| P10 | +     | P12 | +      |

## SPECIFICATIONS:

- Turn Ratio: (P1~P3) : (J1~J2) = 1:1±5%  
(P4~P6) : (J3~J6) = 1:1±5%
- Primary Inductance: 350uH Min. @ 100KHz, 0.1V, 8mA DC Bias
- DC Resistance: 1.2 Ohms Max.
- Insertion Loss: 1~100MHz: -1.2dB Max.
- Return Loss: 1~30MHz: -16dB Min.  
30~60MHz: -12dB Min.  
60~80MHz: -10dB Min.
- Cross Talk: 1~100MHz: -30dB Min.
- Common To Common Mode Attenuation: 1~100MHz: -30dB Min.
- Isolation: PHY Side to Line Side: 1500VAC or 2250VDC

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     | TW | 07/11/12 |
| CHECKED   | AY | 07/11/12 |
| APPROVED  |    |          |

**ADAM TECH**

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

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

| SIZE         | PART NO.            | REV.       |
|--------------|---------------------|------------|
| X            | MTJ-88SX1-FSD-LG-M5 | A          |
| REF:         | S00005C             | SCALE: NTS |
| SHEET 2 OF 2 |                     |            |