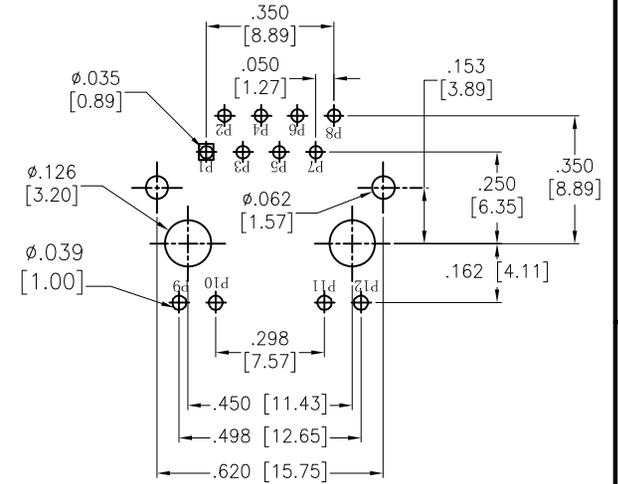
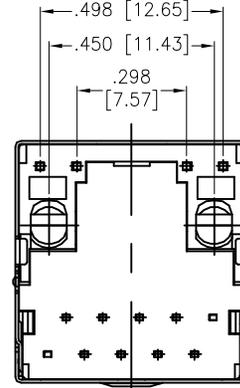
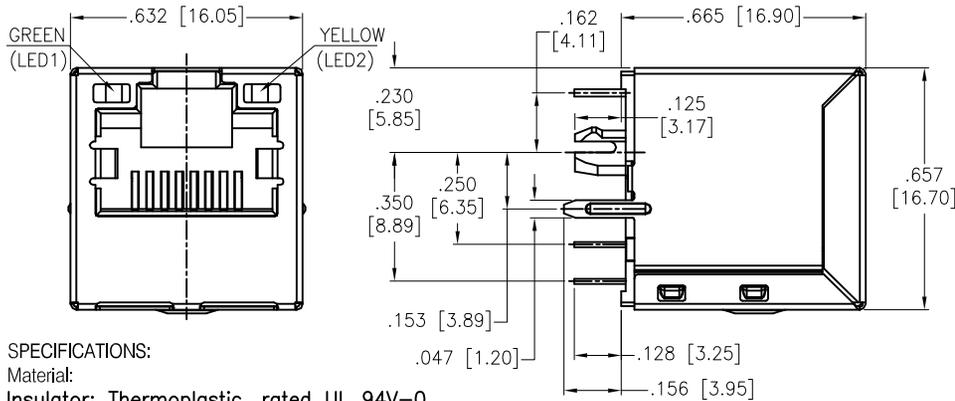
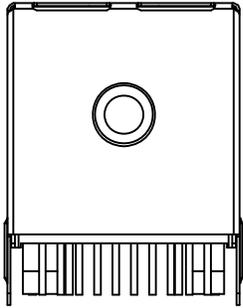


APPROVED: _____
 DATE: _____ TITLE: _____

| Rev | AWO # | Description | Date | Appr |
|-----|-------|-----------------|----------|-------|
| - | | RELEASED | 5/23/11 | |
| A | | REDRAWN | 02/16/12 | |
| B | | UPDATED DRAWING | 6/3/15 | HR/SC |



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:
 Insulator: Thermoplastic, rated UL 94V-0
 Insulator 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:
 Operating voltage: 150 VAC max
 Contact Resistance: 20 mohms max
 Insulation resistance: 500 Mohms min
 Dielectric withstanding voltage: 1,500 VAC or 2,250 VDC for 1 minute
 Temperature Rating:
 Operating temperature: -0°C to +70°C
 Environmental:
 Lead free, RoHS compliant.



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

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



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

| APPROVALS | | DATE |
|-----------|----|---------|
| DRAWN | DY | 7/07/10 |
| CHECKED | | |
| APPROVED | | |

| SIZE | PART NO. | REV. |
|--------------|---------------------|--------------|
| X | MTJ-88AX1-FSN-LH-M5 | B |
| REF: S00005C | SCALE: NTS | SHEET 1 OF 2 |

6

5

4

3

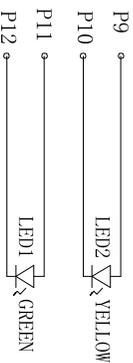
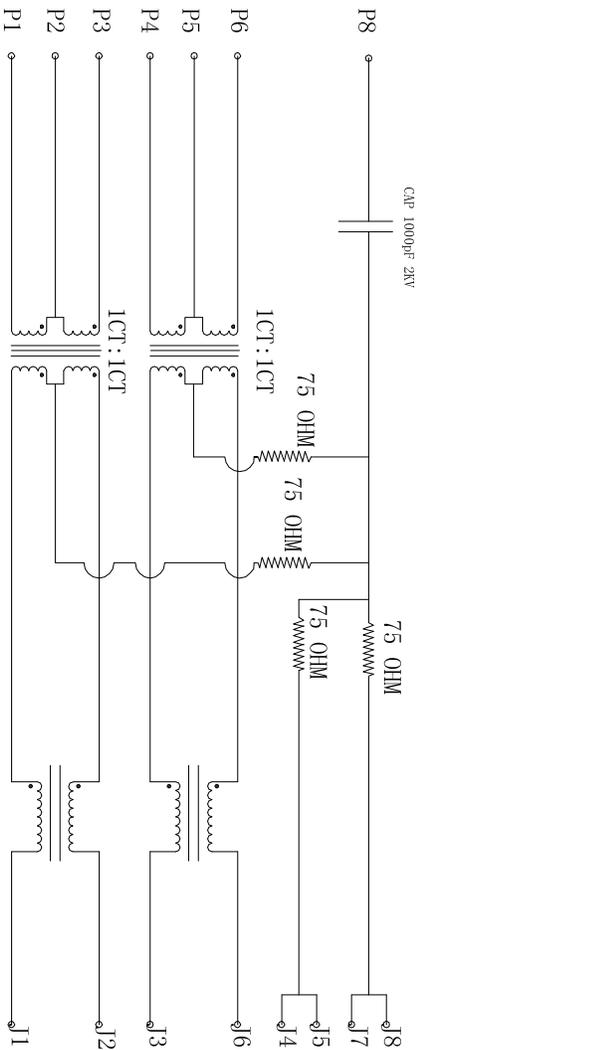
2

1

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

APPROVED: _____

DATE: _____ TITLE: _____



| | |
|-------------|------------|
| LED2 Yellow | LED1 Green |
| P9 | P11 |
| P10 | P12 |

ELECTRICAL SPECIFICATIONS

- Turns Ratio @ 100 KHz: (P1 ~ P3) : (J1 ~ J2) 1:1 ±5%
(P4 ~ P6) : (J3 ~ J6) 1:1 ±5%
- Primary Inductance: 350µH min. @ 100KHz, 0.1V, 8mA DC Bias
- DC Resistance: (J1 ~ J2) : (J3 ~ J6): 1.2 Ohms Max.
- Insertion Loss: 1 to 100MHz: -1.2dB Max.
30MHz to 30MHz: -16dB min.
30MHz to 60MHz: -12dB min.
60MHz to 80MHz: -10dB min.
- Return Loss: 1MHz to 30MHz: -30dB min.
30MHz to 100MHz: -30dB min.
- Cross Talk: 1MHz to 100MHz: -12dB min.
100MHz to 2250 VDC or 2250 VDC
- Common to Common mode Attenuation 1MHz to 100MHz: -30dB MIN
- Isolation: PHY Side to Line Side: 1,500 VAC or 2250 VDC

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES [MM]
TOLERANCES: EXCEPT AS NOTED
INCHES

| | | | |
|------|--------|------|--------|
| .X | ± .10 | ØXX | ± .10 |
| .XX | ± .020 | ØXXX | ± .015 |
| .XXX | ± .015 | ØXXX | ± .010 |

APPROVALS

DATE

DRAWN DY 7/07/10

CHECKED

APPROVED



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

| | | |
|------|---------------------|--------------|
| SIZE | PART NO. | REV. |
| X | MTJ-88AX1-FSN-LH-M5 | B |
| REF: | S0005C | SCALE: NTS |
| | | SHEET 2 OF 2 |