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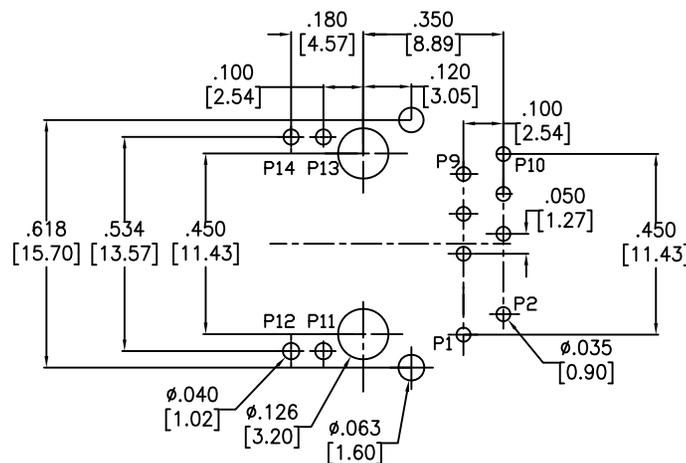
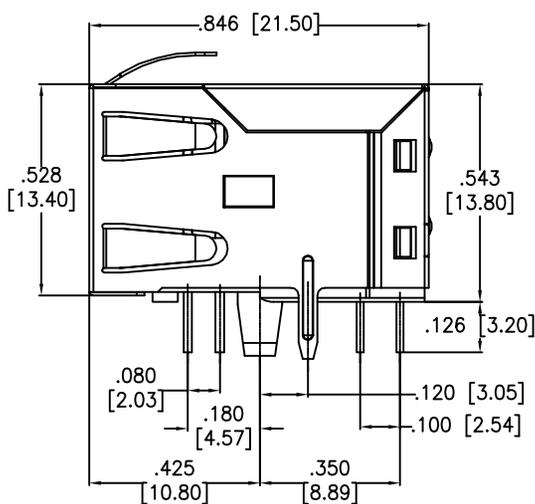
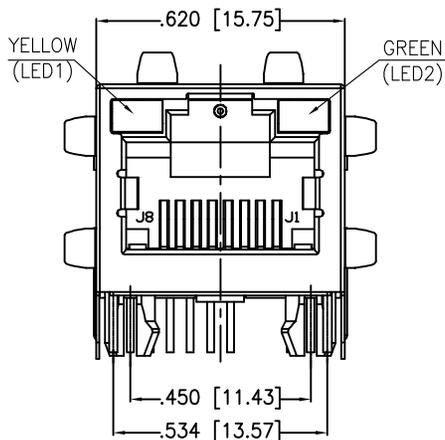
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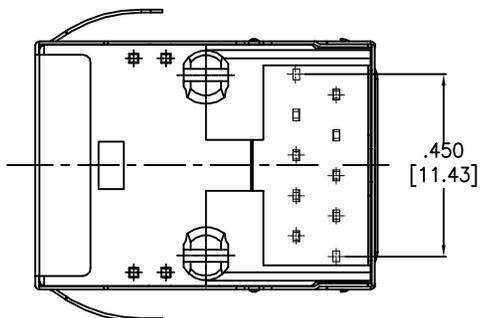
APPROVED: _____

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Rev	AWO #	Description	Date	Appr
-		RELEASED	8/19/14	



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

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:
Operating voltage: 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: -40°C to +85°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	∅X	± .10
.XX	± .020	∅XX	± .015
.XXX	± .015	∅XXX	± .010

APPROVALS		DATE
DRAWN	HR	8/19/14
CHECKED	TW	8/19/14
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-88TUX1-FSD-PG-VLG-M237	-
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

6

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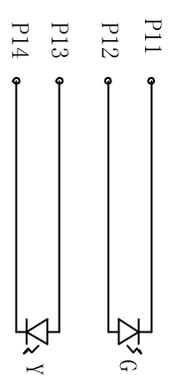
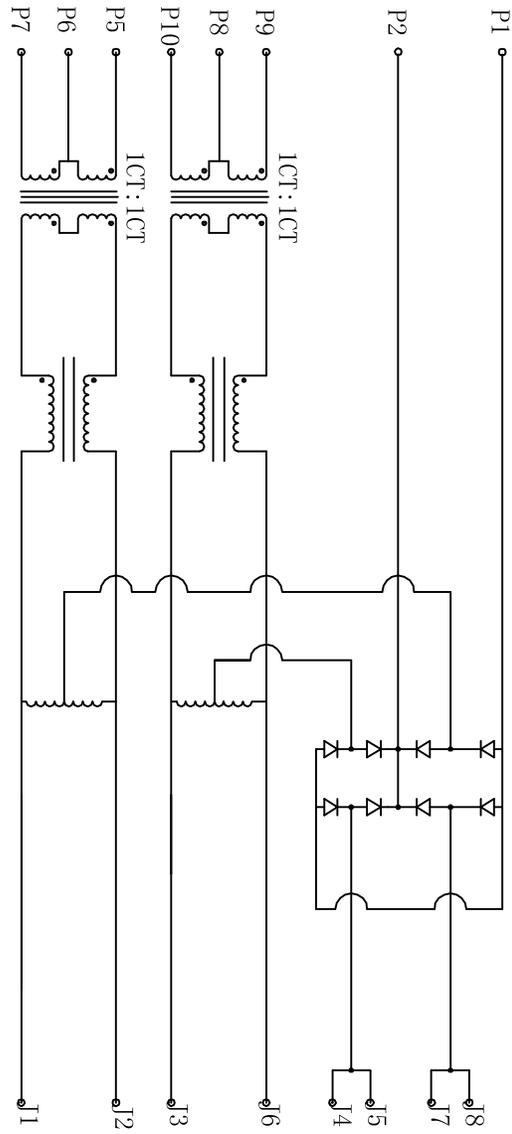
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Rev	AWO #	Description	Date	Appr
		SEE SHT 1 OF 2 FOR REVISION		

APPROVED: _____

DATE: _____ TITLE: _____



- ELECTRICAL SPECIFICATIONS**
- Turns Ratio: (P7 ~ P5) : (J1 ~ J2) : 1:1 ±5%
(P10 ~ P9) : (J3 ~ J6) : 1:1 ±5%
 - Primary Inductance: 350uH min. @ 100KHz, 0.1V, 8mA DC BIAS
 - DC Resistance: (J1 ~ J2) : (J3 ~ J6): 1.2 Ohms Max.
 - Insertion Loss: 1MHz to 100MHz: -1.2dB Max
 - Return Loss: 1MHz to 30MHz: -16dB min
30MHz to 60MHz: -12dB min
60MHz to 80MHz: -10dB min

- Cross Talk: 1MHz to 100MHz: -30dB min
- Common to Common mode Attenuation: 1MHz to 100MHz: -30dB min
- Isolation: PHY Side to Line Side: 500VAC
- DC Current/Voltage Rating-PSE Pins: 350mA @ 57V (Continuous)

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

.X	± .10	Ø.X	± .10
.XX	± .020	Ø.XXX	± .015
.XXX	± .015	Ø.XXX	± .010

APPROVALS

DRAWN	HR	8/19/14
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TITLE: MODULAR JACK GANGED, 1 PORT, 8P8C
W/LED1 YELLOW, LED2 GREEN

SIZE	PART NO.	REV.
X	MTJ-88TUX1-FSD-PG-VLG-M237	-
REF:	S00005C	
SCALE:	NTS	
SHEET	2 OF 2	