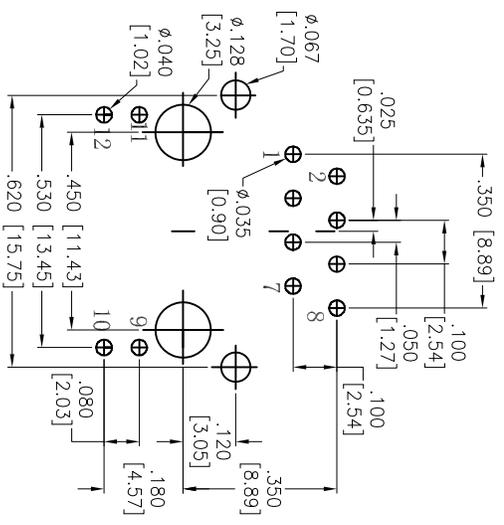
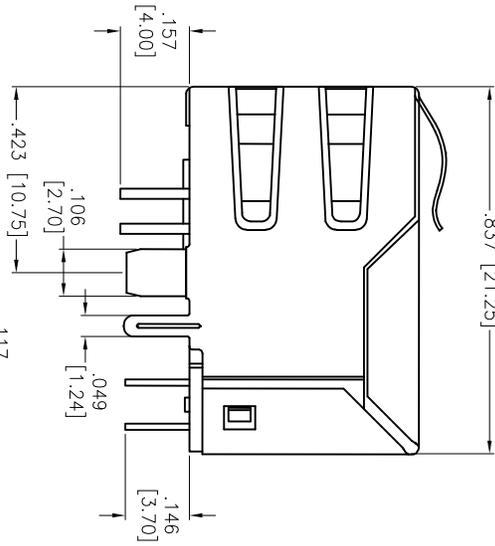
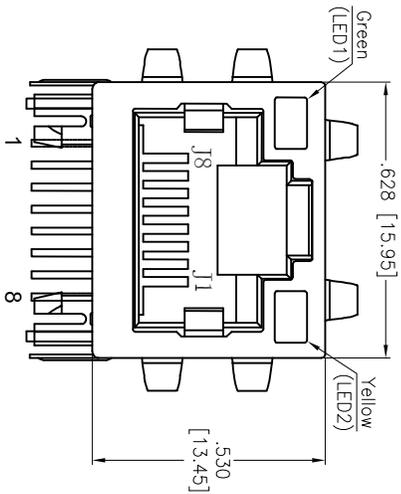
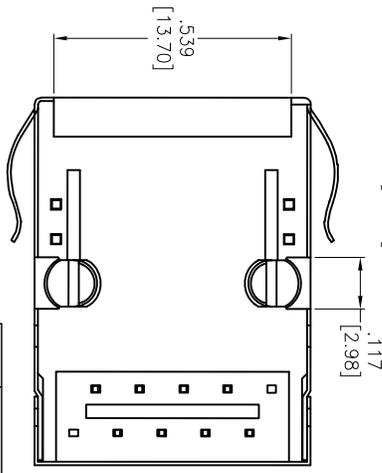


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	3/3/14	
A		UPDATE SHAPE	12/12/14	AVINC



RECOMMENDED PCB LAYOUT



X	PLATING
0	15 $\mu$ m Gold
1	30 $\mu$ m Gold
2	50 $\mu$ m Gold

UNLESS OTHERWISE SPECIFIED  
 ALL DIMENSIONS ARE INCHES [MM]  
 TOLERANCES: EXCEPT AS NOTED  
 INCHES HOLES  
 .X  $\pm$  .10  $\phi$ .X  $\pm$  .10  
 .XX  $\pm$  .020  $\phi$ .XX  $\pm$  .015  
 .XXX  $\pm$  .015  $\phi$ .XXX  $\pm$  .010

APPROVALS	DATE
DRAWN AY	3/3/14
CHECKED AC	3/3/14
APPROVED	

**ADAM TECH**  
 909 Ratway Avenue, Union, NJ 07083  
 Phone: 908-687-5000 Fax: 908-687-5710

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

**SPECIFICATIONS:**  
 Material: Insulator: PBT, Glass reinforced, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Copper Alloy  
 Shield: SUS, Nickel plated  
 Contact Plating: Gold Flash over Nickel underplate on contact area, Tin over Copper underplate on tails  
 (See chart for thickness).  
 Electrical:  
 Operating voltage: 150 VAC max  
 Current rating: 1.5 Amps max  
 Contact Resistance: 20 mohms max. initial  
 Insulation resistance: 500 Mohms min @ 500 VDC  
 Dielectric withstanding voltage: 1000 VAC for 1 minut  
 Temperature Rating: Operating temperature: -40°C to +85°C  
 Environmental: Lead free, RoHS compliant.



SIZE	PART NO.	REV.
X	MTJ-88TUX1-FSD-PG-VRLH-M13	A

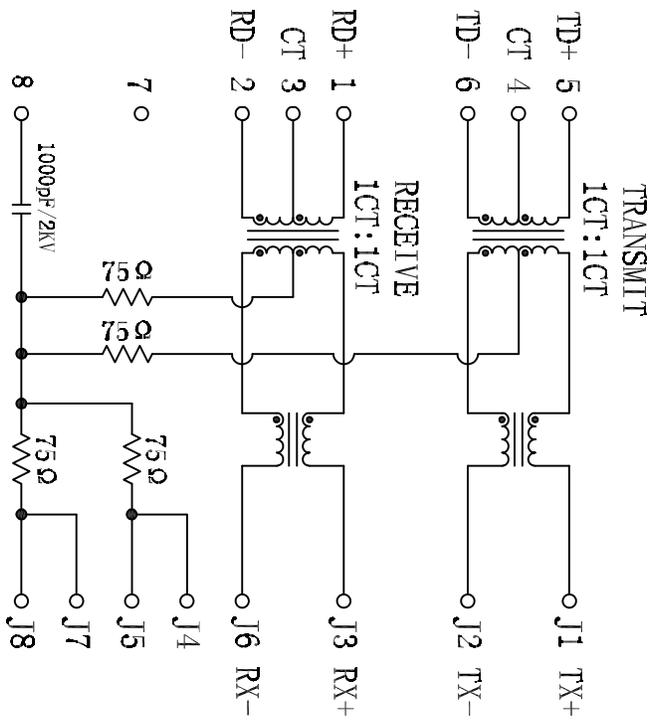
REF: S00043C SCALE: NTS SHEET 1 OF 2

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

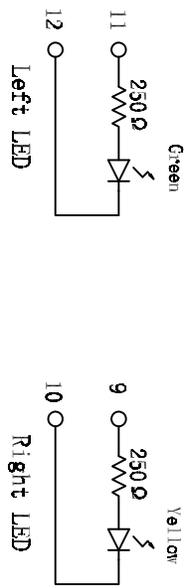
DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

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

### PC BOARD CONNECTIONS



### RJ45 CONNECTOR



- SPECIFICATIONS:
- Turns Ratio ( $\pm 2\%$ ):  
TX = 1CT : 1CT    RX = 1CT : 1CT
  - Inductance OCL: 350uH Min.  
@100KHz, 0.1Vrms, 8mA DC Bias Current.
  - Insertion Loss:  
0.3-65MHz: -1.2dB Max.  
Return Loss(dB Min.):  
1-30MHz: -18  
40MHz: -16  
50MHz: -14  
60-80MHz: -12
  - Crosstalk(dB Min.):  
0.3-80MHz: -30
  - Isolation Voltage: 1500Vrms
  - Operating Temperature: -40°C~+85°C

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

.X	$\pm .10$	$\varnothing .X$	$\pm .10$
.XX	$\pm .020$	$\varnothing .XX$	$\pm .015$
.XXX	$\pm .015$	$\varnothing .XXX$	$\pm .010$

APPROVALS

DRAWN	AY	DATE	3/3/14
CHECKED	AC	DATE	3/3/14
APPROVED		DATE	

**ADAM TECH**  
 909 Ratway Avenue, Union, NJ 07083  
 Phone: 908-687-5000 Fax: 908-687-5710

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

SIZE	PART NO.	REV.
X	MTJ-88TUX1-FSD-PG-VRLH-M13	A
REF:	S00043C	
SCALE:	NTS	SHEET 2 OF 2