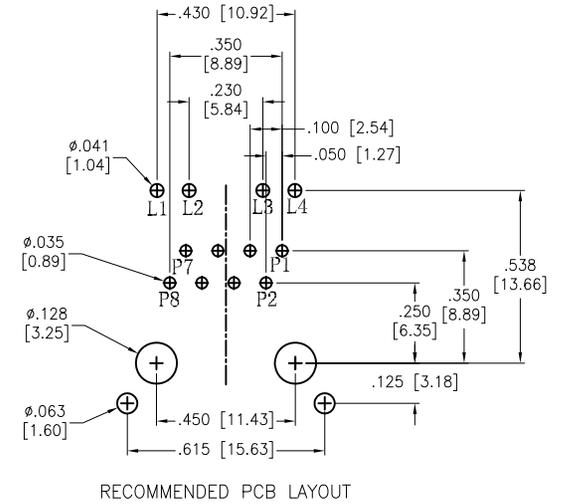
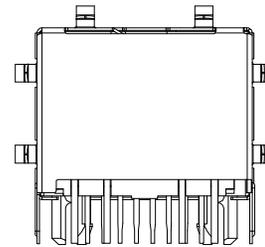
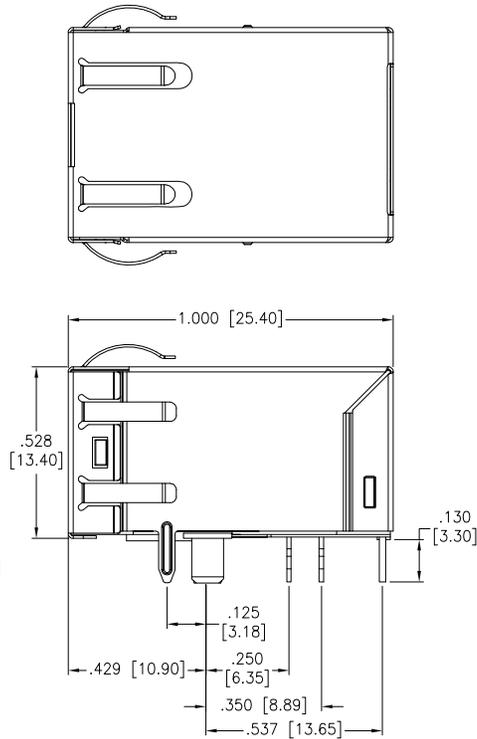
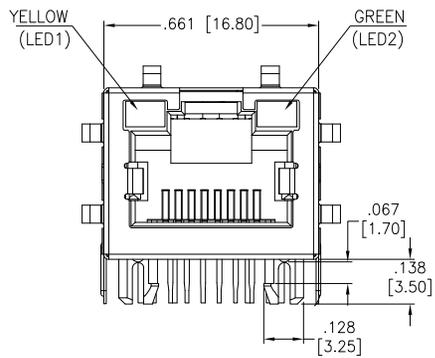


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	9/11/14	
A		UPDATE SHAPE & DIM.	10/22/14	AY/GC



**SPECIFICATIONS:**

Material:  
 Insulator: Polyester, Glass reinforced, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Phosphor Bronze  
 Shield: Copper Alloy, Nickel plated  
 Contact Plating:  
 Gold Flash over Nickel underplate on contact area,  
 Tin over Copper underplate on tails  
 (See chart for thickness)  
 Electrical:  
 Contact Resistance: 30 mohms max.  
 Insulation resistance: 500 Mohms min.  
 Dielectric withstanding voltage: 1,500 VAC for 1 minut  
 Temperature Rating:  
 Operating temperature: 0°C to +70°C  
 Environmental:  
 Lead free, RoHS compliant.



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	AY	9/11/14	
CHECKED	GC	9/11/14	
APPROVED			



TITLE MODULAR JACK GANGED, 1 PORT, 8P8C W/ LED1 YELLOW, LED2 GREEN			
SIZE X	PART NO. MTJ-88SX1-FSP-PG-LG-M4D	REV. A	
REF: S00167T	SCALE: NTS	SHEET 1 OF 2	

6

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

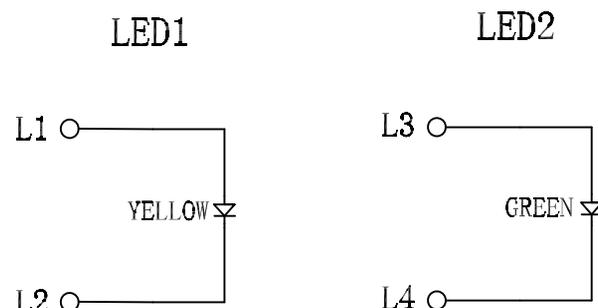
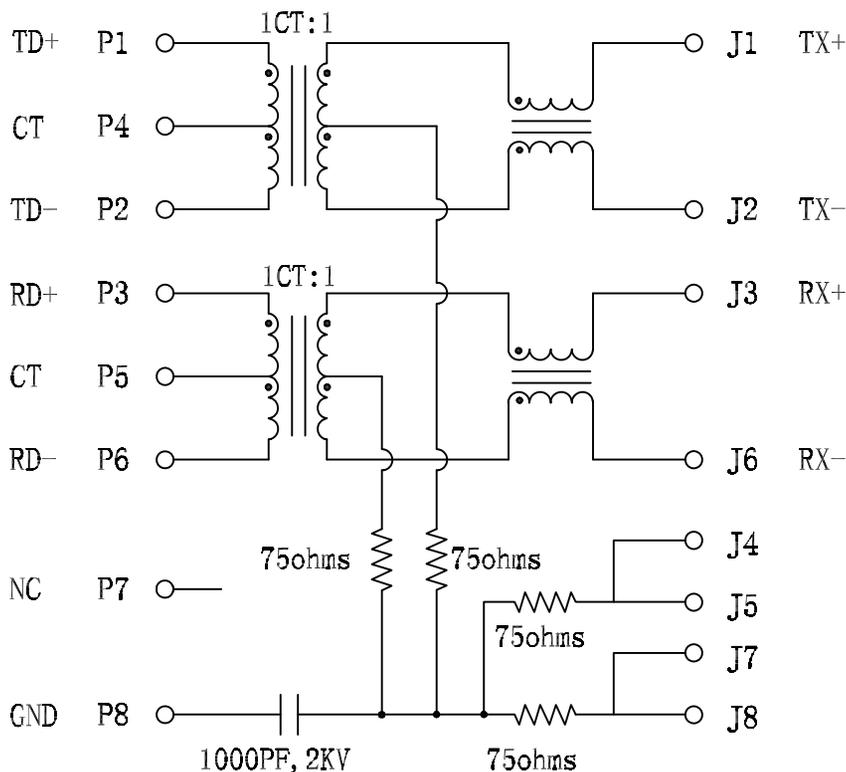
DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

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

SCHEMATIC:

PCB SIDE TO PHY



ELECTRICAL SPECIFICATIONS @ 25°C

- Turns Ratio: (P1 ~ P2) : (J1 ~ J2) 1:2 ±3%  
(P3 ~ P6) : (J3 ~ J6) 1:1 ±3%
- Inductance: 350uH min. @ 100KHz, 100mVRMS, 8mA DC Bias
- HI-POT Test: PCB side to Cable side 1,500 VAC
- Insertion Loss: 0.1MKHz TO 100MHz : -1.1dB MAX
- Return Loss: 1MHz to 30MHz: -18dB Min.  
30MHz to 60MHz: -18+20LOG(F/30)dB Min.  
60MHz to 80MHz: -12dB Min.
- CM to CM Rejection: 1MHz ~ 100 MHz : -30dB Mlin
- CM to DM Rejection: 1MHz ~ 100 MHz : -35dB Mlin
- Cross Talk: 1MHz ~ 100 MHz : -30dB Mlin

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 YELLOW, LED2 GREEN

APPROVALS		DATE
DRAWN	AY	9/11/14
CHECKED	GC	9/11/14
APPROVED		

SIZE X	PART NO. MTJ-88SX1-FSP-PG-LG-M4D	REV. A
REF: S00167T	SCALE: NTS	SHEET 2 OF 2

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