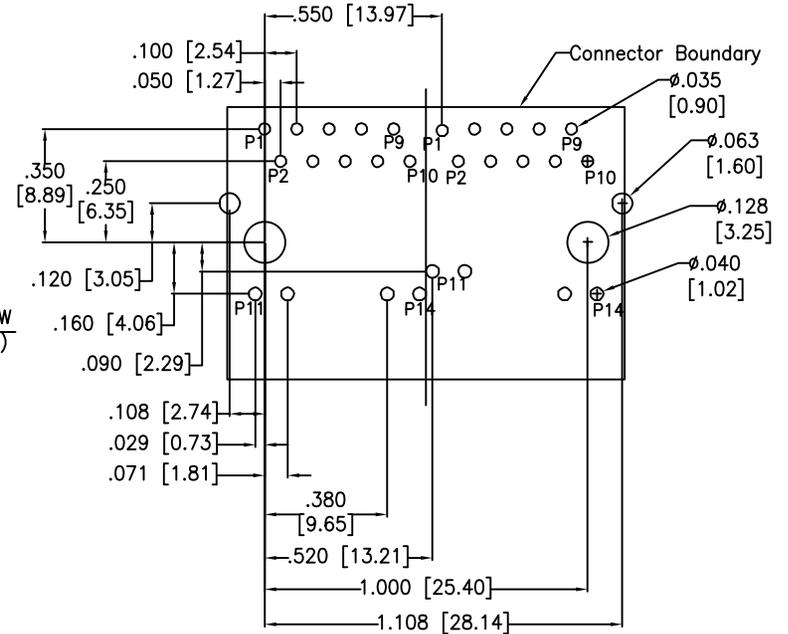
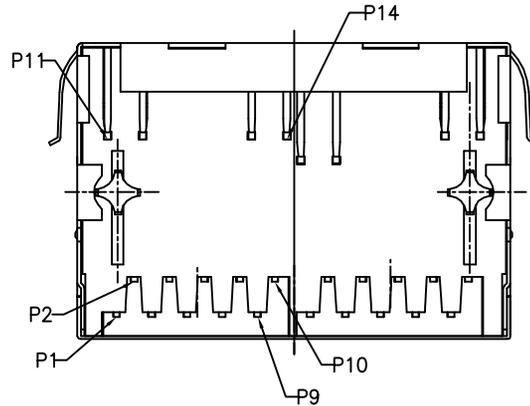
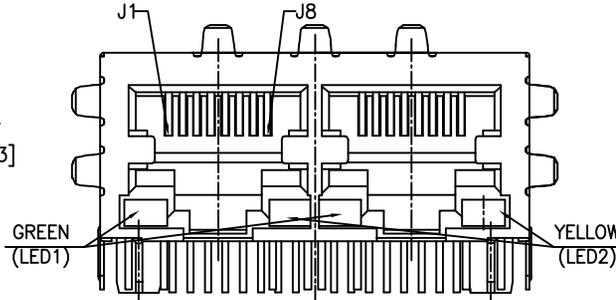
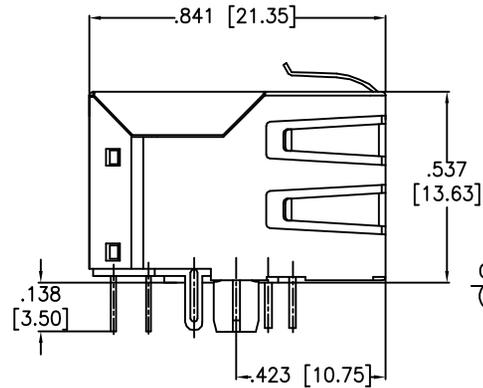


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	10/6/15	
A		UPDATED DRAWING	7/5/16	HR/AY
B		UPDATED DRAWING	11/13/18	HR/AY



RECOMMENDED PCB LAYOUT

**SPECIFICATIONS:**

Material:  
 Insulator: Thermoplastic, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Phosphor Bronze  
 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  
 Electrical:  
 Voltage rating: 150 VAC max  
 Contact Resistance: 20 mohms max  
 Insulation resistance: 500 Mohms min  
 Dielectric withstanding voltage: 2,250 VDC for 1 minute  
 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 ØX ± .10  
 .XX ± .020 ØXX ± .015  
 .XXX ± .015 ØXXX ± .010



APPROVALS		DATE
DRAWN	AY	10/6/15
CHECKED	SC	10/6/15
APPROVED		

TITLE <b>MODULAR JACK GANGED, 2 PORT, 8P8C, W/ LED1    GREEN, LED2 YELLOW, NO REAR SHIELD PIN</b>		
SIZE <b>X</b>	PART NO. <b>MTJG-2-88TX1-FSD-PG-LH-NRSP-M47C</b>	REV. <b>B</b>
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

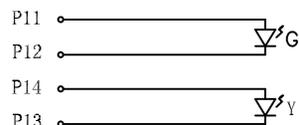
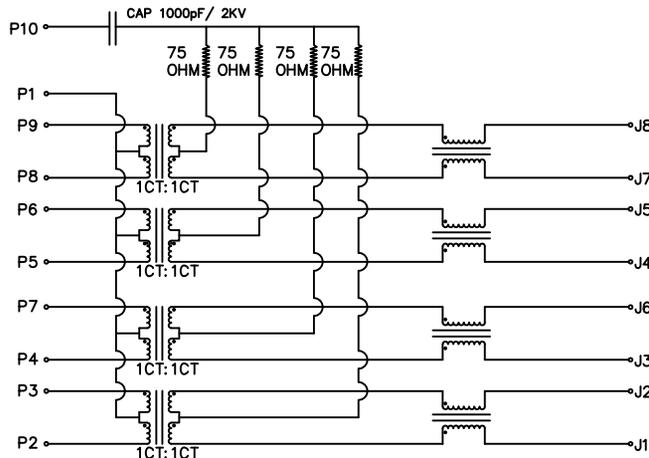
APPROVED: \_\_\_\_\_

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

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

Circuit Schematic:



Pin	Green		Yellow
P11	+	P13	-
P12	-	P14	+

Electronical Specifications:

- Turn Ratio @100KHz: (P2~P3):(J1~J2) = 1:1±5%  
(P4~P7):(J3~J6) = 1:1±5%  
(P5~P6):(J4~J5) = 1:1±5%  
(P8~P9):(J7~J8) = 1:1±5%
- Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- DC Resistance: 1.2 OHMS MAX
- Insertion Loss: 1-100MHz -1.0dB MAX  
100-125MHz -1.2dB MAX
- Return Loss: 1-40MHz -16dB MIN  
40-60MHz -12dB MIN  
60-80MHz -10dB MIN  
80-100MHz -8dB MIN
- CROSS TALK: 1-100MHz -30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- Isolation: PHY Side to Line Side: 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	AY	10/6/15
CHECKED	SC	10/6/15
APPROVED		

TITLE  
MODULAR JACK GANGED, 2 PORT, 8P8C, W/ LED1  
GREEN, LED2 YELLOW, NO REAR SHIELD PIN

SIZE	PART NO.	REV.
X	MTJG-2-88TX1-FSD-PG-LH-NRSP-M47C	B
REF: S00005C	SCALE: NTS	SHEET 2 OF 2