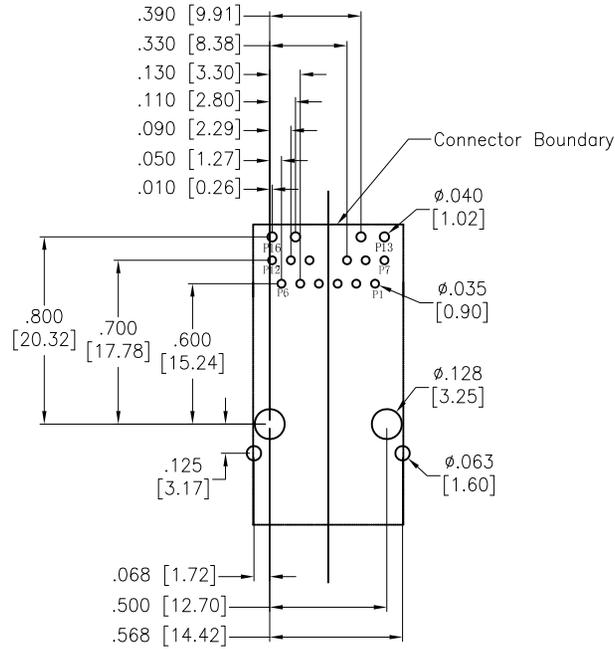
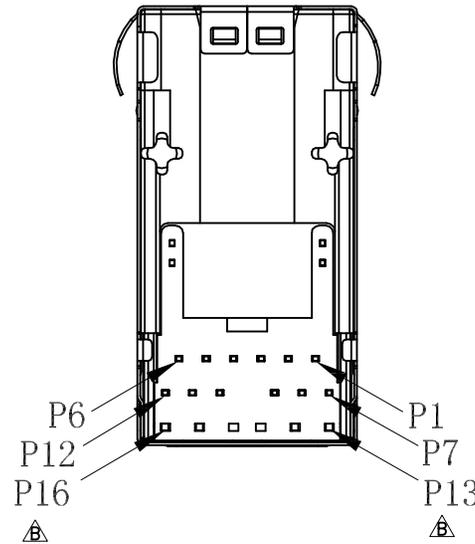
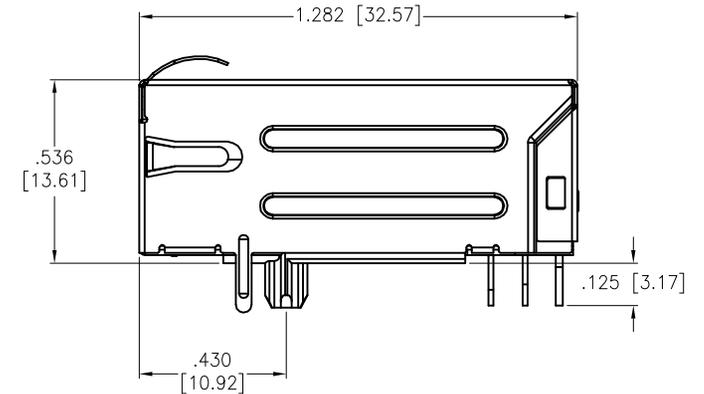
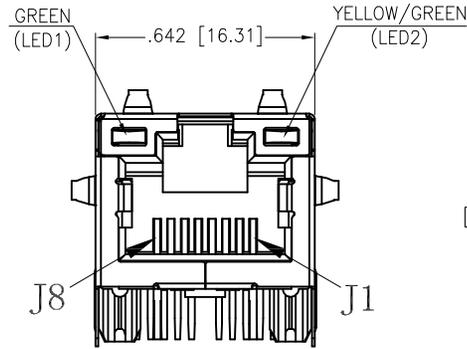


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	7/24/20	
A		UPDATE DRAWING	1/13/21	OW/KL
B		UPDATE DIM.	5/17/21	LH/KL



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:  
 Insulator: Hi-Temp 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  
 Contact Resistance: 20 mohms max  
 Insulation resistance: 500 Mohms min  
 Dielectric withstanding voltage: 500 VDC  
 Temperature Rating:  
 Operating temperature: -40°C to +85°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

DRAWN	LH	7/24/20
CHECKED	KL	7/24/20
APPROVED		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM 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 GREEN, LED2 YELLOW/GREEN	

SIZE X	PART NO. MTJ-88CX1-FSP-PG-LV-M16-HT-WOT	REV. B
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

6

5

4

3

2

1

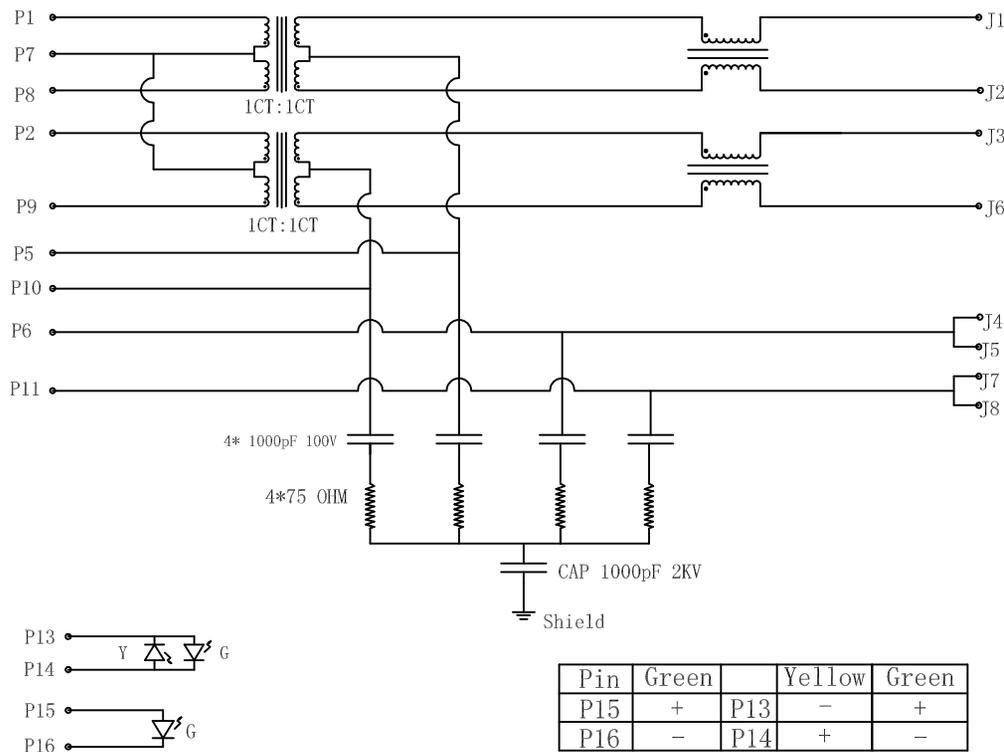
APPROVED: \_\_\_\_\_

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

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

### Circuit Schematic:



### Electronical Specifications:

- Turn Ratio @100KHz: (P1~P8):(J1~J2) = 1:1±5%  
(P2~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: 1-100MHZ -1.2dB MAX
- Return Loss: 1-30MHZ -16dB MIN  
30-60MHZ -12dB MIN  
60-80MHZ -10dB MIN
- CROSS TALK: 1-100MHZ -30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1-100MHZ -30dB MIN
- Isolation: PHY Side to Line Side: 500VDC
- DC CURRENT/VOLTAGE RATING-PSE PINS: 720mA @57V(CONTINUOUS)

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

DRAWN	LH	7/24/20
CHECKED	KL	7/24/20
APPROVED		

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TITLE	MODULAR JACK GANGED, 1 PORT, 8P8C W/ LED1 GREEN, LED2 YELLOW/GREEN		
SIZE	X	PART NO.	MTJ-88CX1-FSP-PG-LV-M16-HT-WOT
REV.	B	REF:	S00005C
		SCALE:	NTS
		SHEET:	2 OF 2

6

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