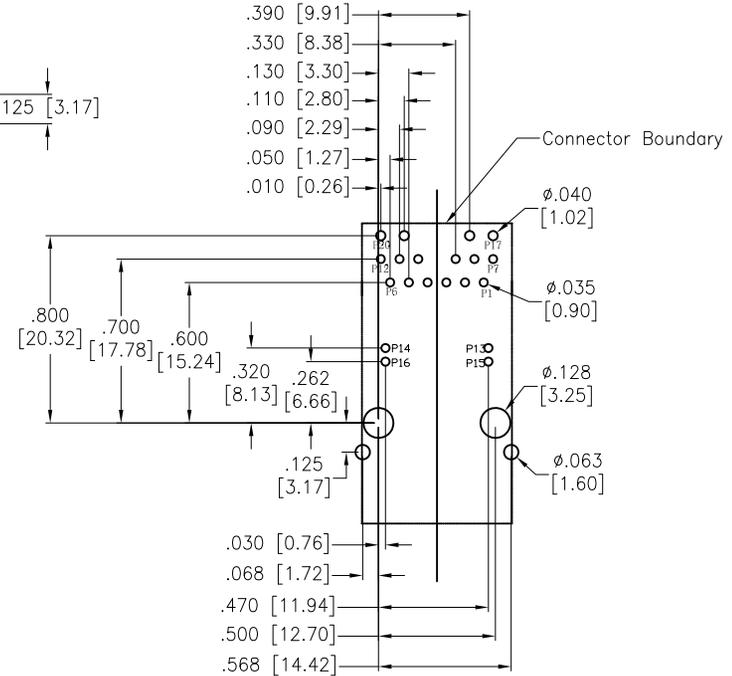
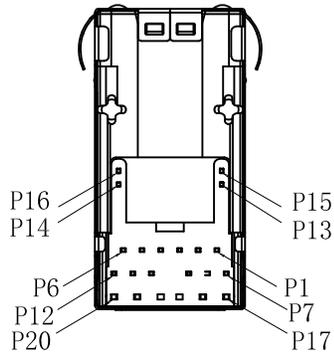
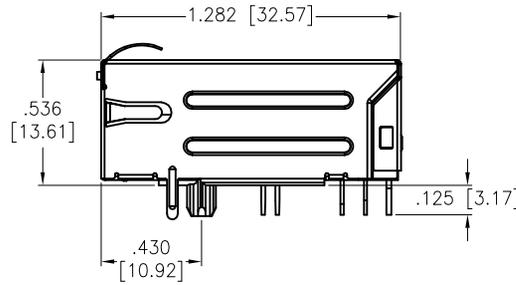
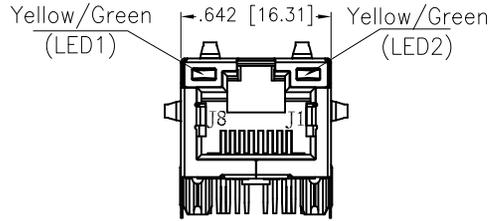


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	9/3/15	
A		UPDATE DRAWING	5/14/19	AY/IL



RECOMMENDED PCB LAYOUT

**SPECIFICATIONS:**

Material:  
 Insulator: Thermoplastic, rated UL 94V-0  
 Insulator 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  
 Electrical:  
 Voltage rating: 150 VAC  
 Contact Resistance: 20 mohms max  
 Insulation resistance: 500 Mohms min  
 Dielectric withstanding voltage: 2250 VDC for 1 minute  
 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	∅.X	± .10
.XX	± .020	∅.XX	± .015
.XXX	± .015	∅.XXX	± .010



APPROVALS		DATE
DRAWN	AY	9/3/15
CHECKED	OC	9/3/15
APPROVED		

TITLE MODULAR JACK GANGED, 1 PORT, 8P8C W/LED1 YELLOW/GREEN, LED2 YELLOW/GREEN		
SIZE X	PART NO. MTJ-88CX1-FSP-PG-VLP-M70C	REV. A
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

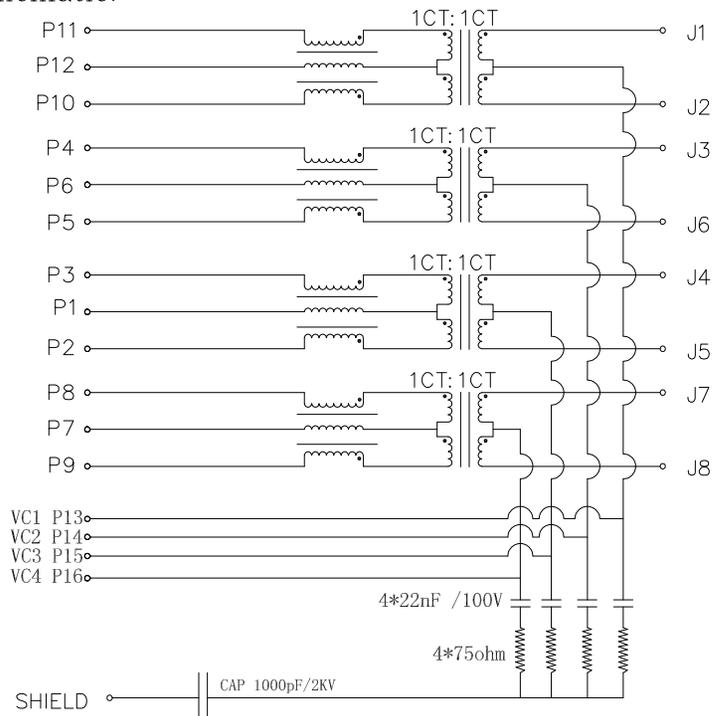
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Rev	AWO #	Description	Date	Appr
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SEE SHT 1 OF 2 FOR REVISION

### Circuit Schematic:



Pin	Yellow	Green		Yellow	Green
P17	+	-	P19	+	-
P18	-	+	P20	-	+

#### Electronical Specifications:

- Turn Ratio @100KHz: (P11~P10):(J1~J2) = 1:1±5%  
(P4~P5):(J3~J6) = 1:1±5%  
(P3~P2):(J4~J5) = 1:1±5%  
(P8~P9):(J7~J8) = 1:1±5%
- Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS  
120uH MIN @100KHZ,0.1V 19mA 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
- 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	∅.X	± .10
.XX	± .020	∅.XX	± .015
.XXX	± .015	∅.XXX	± .010



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

APPROVALS		DATE
DRAWN	AY	9/3/15
CHECKED	OC	9/3/15
APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88CX1-FSP-PG-VLP-M70C	A
REF: S00005C	SCALE: NTS	SHEET 2 OF 2