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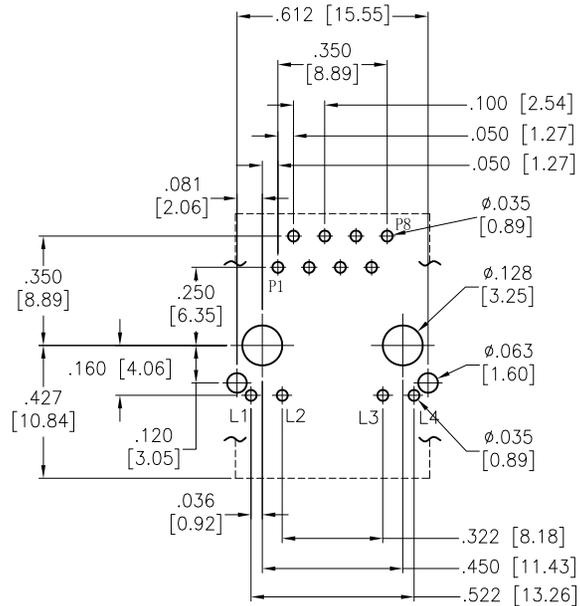
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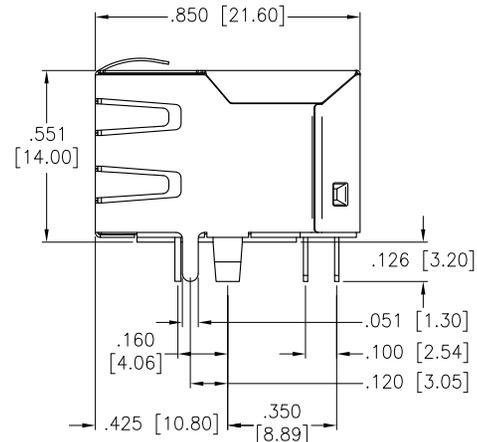
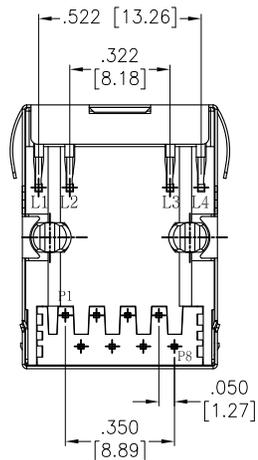
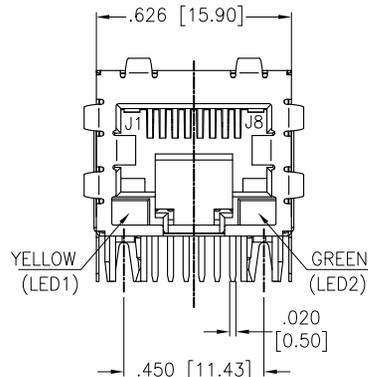
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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	4/13/16	



RECOMMENDED PCB LAYOUT



X	PLATING
0	15 µin Gold
1	30 µin Gold
2	50 µin Gold

SPECIFICATIONS:

Material:  
 Insulator: Thermoplastic, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Phosphor Bronze  
 Solder Tail Terminal: Brass  
 Shield: Brass, Pre-Soldering  
 Plating:

Round contact  
 Gold over Nickel underplate overall  
 Flat contact  
 Gold over Nickel underplate on contact area,  
 Tin over Copper underplate on solder tails  
 (See chart for thickness)

Electrical:  
 Insulation resistance: 500 Mohms min  
 Dielectric withstanding voltage: 1,000 VAC for 1 minute

Mechanical:  
 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



TITLE: MODULAR JACK GANGED, 1 PORT, 8P8C  
 RJ45, W/ LED1 YELLOW LED2 GREEN

APPROVALS		DATE
DRAWN	HR	4/13/16
CHECKED	AC	4/13/16
APPROVED		

SIZE X	PART NO. MTJ-88TX1-FSE-PG-LG-M5Y	REV. -
REF: S00101C	SCALE: NTS	SHEET 1 OF 2

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6 5 4 3 2 1

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

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

ELECTRICAL CHARACTERISTICS :

- INSERTION LOSS :
  - 1~100 MHz -1.0dB MAX.
- RETURN LOSS(LOAD 100Ω) :
  - 1~30 MHz -18dB MIN
  - 30~60 MHz -16dB MIN
  - 60~80 MHz -12dB MIN
- COMMON MODE REJECTION
  - 1~100 MHz -30dB MIN
- CROSS TALK
  - 1~100 MHz -30dB MIN
- INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
  - (P1-P3),(P4-P6) : 350 uH MIN
- DCR
  - (J1-J2),(J3-J6) : 1.2 Ohm MAX
- HI-POT TEST
  - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
- TURNS RATION 100KHz
  - (P1-P3) : (J1-J2) = 1:1 ±%3
  - (P4-P6) : (J3-J6) = 1:1 ±%3

Yellow

L1 → LED1 → L2

Green

L3 → LED2 → L4

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.XX	± .020	∅.XX	± .015
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APPROVALS		DATE
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TITLE: MODULAR JACK GANGED, 1 PORT, 8P8C  
 RJ45, W/ LED1 YELLOW LED2 GREEN

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSE-PG-LG-M5Y	-

REF: S00101C SCALE: NTS SHEET 2 OF 2

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