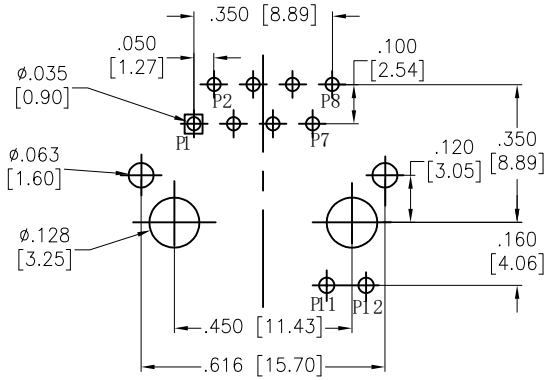
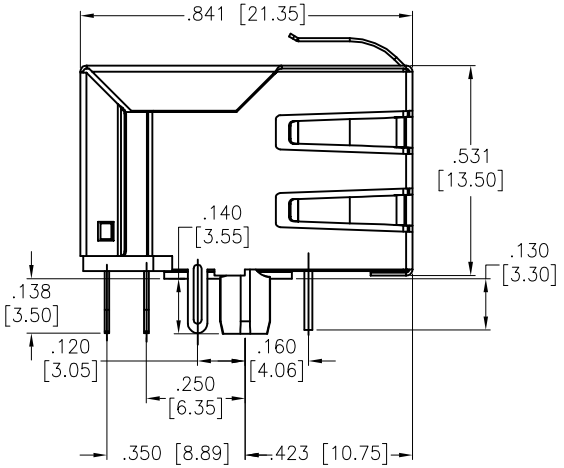
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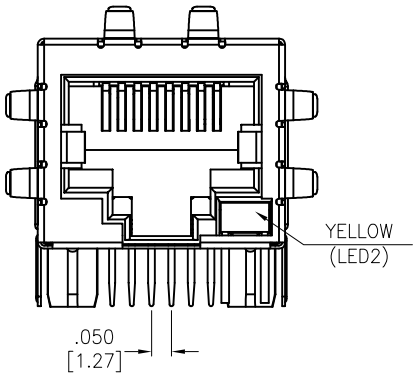
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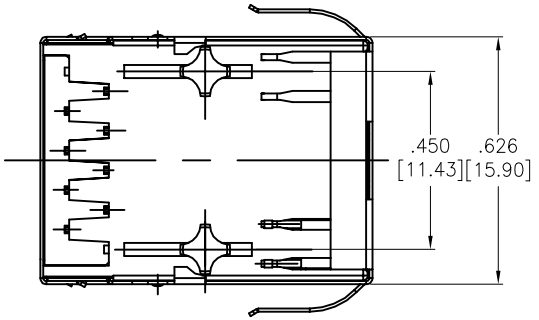
Rev	AWO #	Description	Date	Appr
-		RELEASED	10/25/17	
A		UPDATE DRAWING	6/8/26	LW1/MC



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: 1500VAC or 2250VDC

Temperature Rating:
Operating temperature: 0°C to +70°C

Environmental:
Lead free, RoHS compliant. RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES	.X	± .10	HOLES	Ø.X	±.10
	.XX	± .020		Ø.XX	±.015
	.XXX	± .015		Ø.XXX	±.010

DRAWN	HR	10/25/17
CHECKED	YC	10/25/17
APPROVED		

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TITLE
MODULAR TELEPHONE JACK, 1 PORT, 8P8C
W/ LED1 BLANK, LED 2 YELLOW

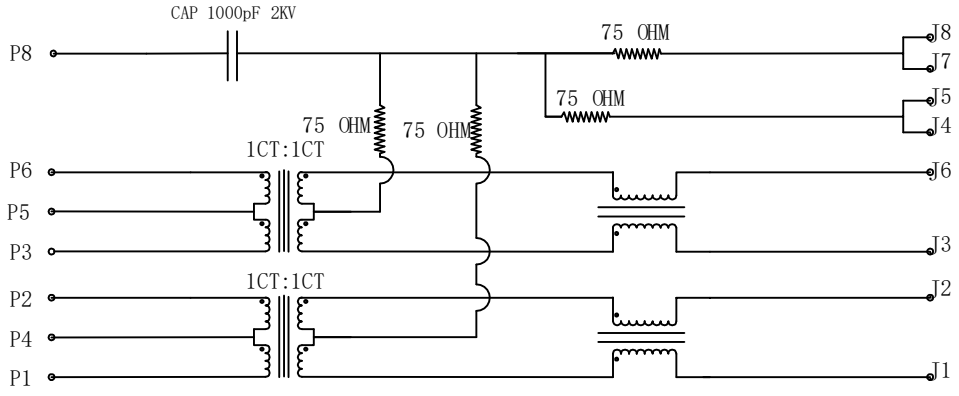
SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-PG-LC-M4	A

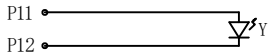
REF:	SCALE:	SHEET
S00005C	NTS	1 OF 2

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

APPROVED: _____

DATE: _____ TITLE: _____





Pin	Yellow
P11	+
P12	−

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V(max)	TYP
YELLOW	590nm	2.5V	2.1V

*WITH A FORWARD CURRENT OF 20mA

Electronical Specifications:

1 Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±5%
(P3~P6):(J3~J6) = 1:1±5%

2 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS

3 DC Resistance:(J1~J2):(J3~J6) 1.2 OHMS MAX

4 Insertion Loss: 1-100MHz -1.2dB MAX

5 Return Loss: 1-30MHz -16dB MIN
30-60MHz -12dB MIN
60-80MHz -10dB MIN

6 CROSS TALK: 1-100MHz -30dB MIN

7 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN

8 Isolation: PHY Side to Line Side: 1500VAC or 2250VDC

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES	.X	± .10	HOLES Ø.X	±.10
	.XX	± .020	Ø.XX	±.015
	.XXX	± .015	Ø.XXX	±.010

DRAWN	HR	10/25/17
CHECKED	YC	10/25/17
APPROVED		

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TITLE
MODULAR TELEPHONE JACK, 1 PORT, 8P8C
W/ LED1 BLANK, LED 2 YELLOW

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-PG-LC-M4	A

REF:	SCALE:	SHEET
S00005C	NTS	2 OF 2