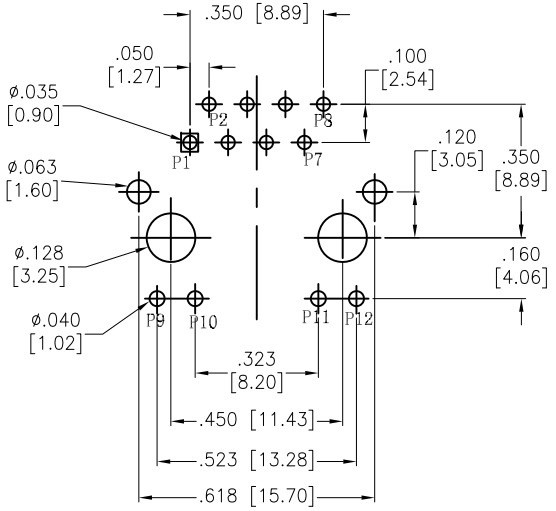
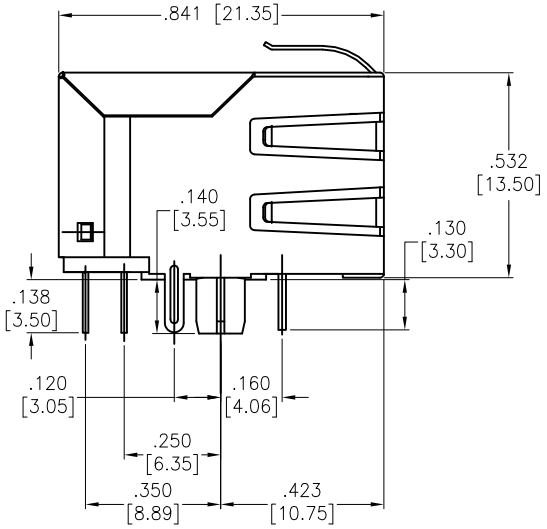
APPROVED: _____

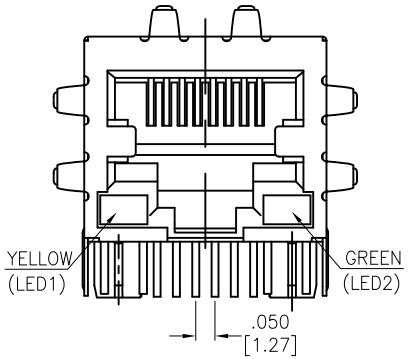
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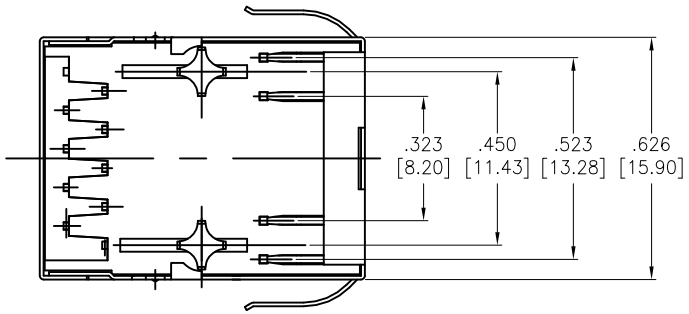
Rev	AWO #	Description	Date	Appr
-		RELEASED	11/8/11	
A		UPDATE DRAWING	1/31/20	AY/KL



RECOMMENDED PCB LAYOUT







SPECIFICATIONS:
Material:
Housing: PA66, rated UL 94V–0, Color: Black
Insert: PBT, rated UL 94V–0, 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: 1500 VAC or 2250 VDC
Temperature Rating:
Operating temperature: –40°C to +85°C
Environmental:
Lead free, RoHS compliant.

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

APPROVALS		DATE
DRAWN	AY	11/8/11
CHECKED	NP	11/8/11
APPROVED		

ADAM TECH INTERCONNECTS
909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

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

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-PG-LG-M48	A

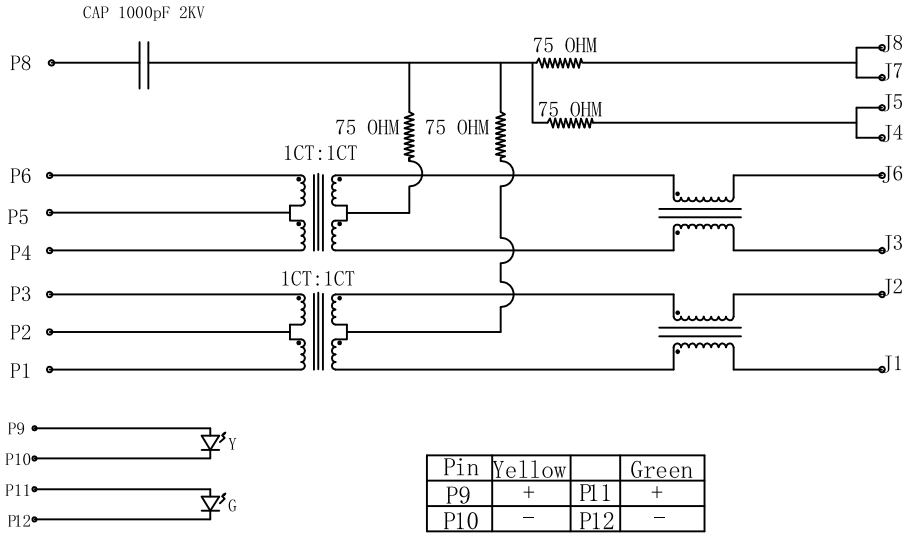
REF: S00005C | SCALE: NTS | SHEET 1 OF 2

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

APPROVED: _____

DATE: _____ TITLE: _____

Circuit Schematic:



Pin	Yellow		Green
P9	+	P11	+
P10	−	P12	−

Electronical Specifications:

1. Turn Ratio @100KHz: (P1~P3):(J1~J2) = 1:1±5%
   (P4~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		HOLES	
.X	± .10	Ø.X	±.10
.XX	± .020	Ø.XX	±.015
.XXX	± .015	Ø.XXX	±.010

APPROVALS		DATE
DRAWN	AY	11/8/11
CHECKED	NP	11/8/11
APPROVED		

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

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-PG-LG-M48	A

REF: S00005C | SCALE: NTS | SHEET 2 OF 2