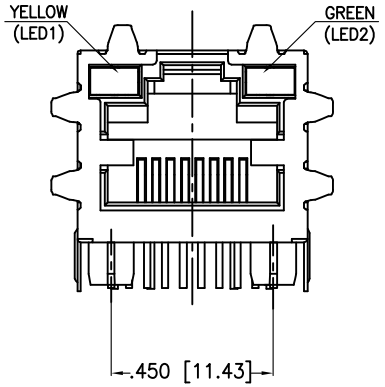
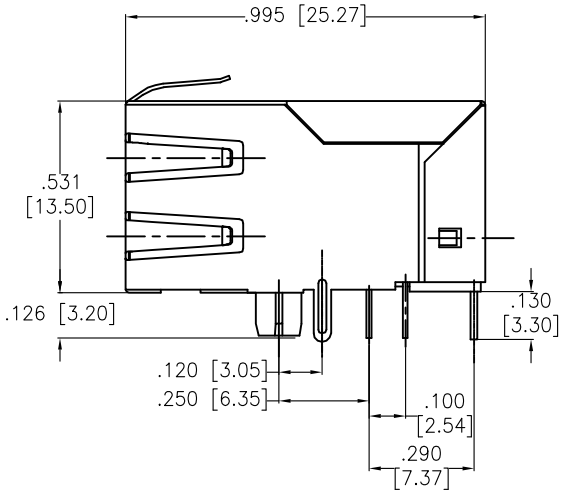
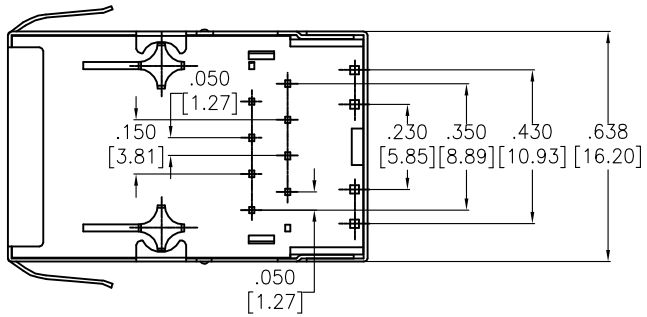
APPROVED: _____

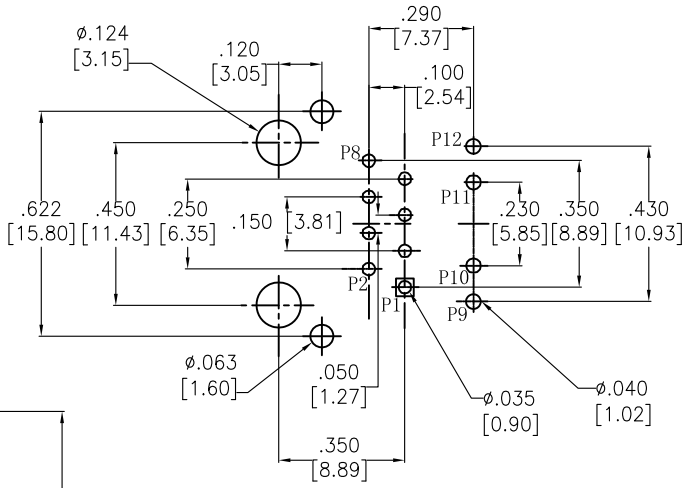
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	5/17/10	
A		REDRAWN	5/21/13	









Recommended PCB Layout

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforced , thermoplastic, rated UL 94V–0

Insulator color: Black

Contacts: Copper Alloy

Shield: Copper Alloy, 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

(See chart for thickness)

Electrical:

Operating voltage: 150 VAC max

Contact Resistance: 20 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 1000 VAC for 1 minute

Temperature Rating:

Operating temperature: 0°C to +70°C

Environmental:

Lead free, RoHS compliant.

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

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	DY	5/17/10
CHECKED		
APPROVED		

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 YELLOW, LED2 GREEN

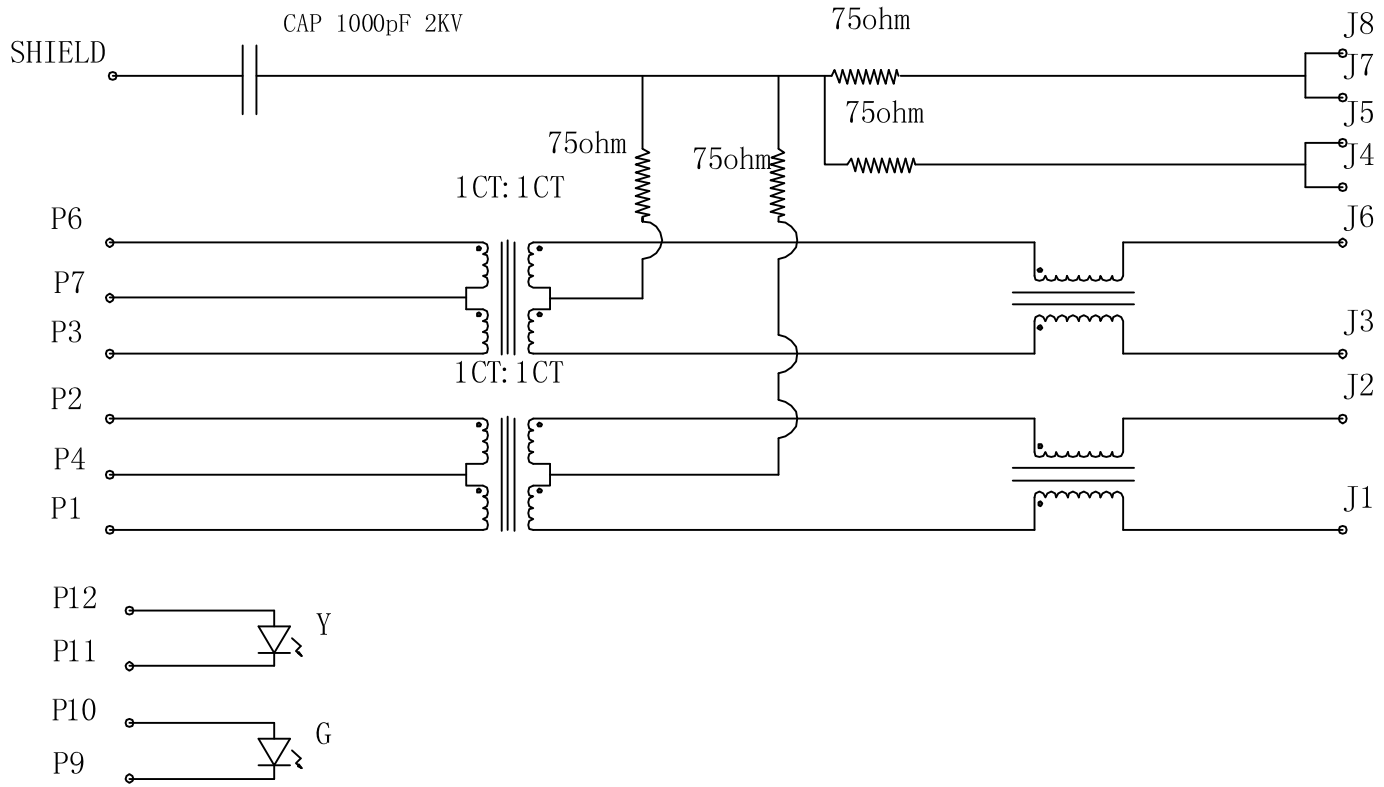
SIZE	PART NO.	REV.
X	MTJ-88SX1-FSD-PG-LG-M14	A

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

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

APPROVED: _____

DATE: _____ TITLE: _____



ELECTRICAL SPECIFICATIONS

1. Turns Ratio: (P1 ~ P2) : (J1 ~ J2) 1:1 ±3%
   (P3 ~ P6) : (J3 ~ J6) 1:1 ±3%
2. Inductance: (P1 ~ P3) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
   (P4 ~ P6) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
3. Leakage Inductance: P1 ~ P2 (with J1 and J2 Short): 0.3uH Max. @ 1 MHz
   P3 ~ P6 (with J3 and J6 Short): 0.3uH Max. @ 1 MHz
4. Interwinding Capacitor: (P1 ~ P2) : (J1 ~ J2): 35pF max. @ 1MHz
   (P3 ~ P6) : (J3 ~ J6): 35pF max @ 1MHz
5. DC Resistance: (J1 ~ J2) : (J3 ~ J6): 1.2 Ohms Max.
6. Return Loss: 1MHZ to 30MHZ: −18dB min
   30MHZ to 60MHZ: −(18−20log(f/30))dB min (WHERE f IS IN MHz)
   60MHZ TO 80MHZ :−12dB min
7. Dielectric Withstanding: (P1~P2) : (J1~J2): (P3~P6) : (J3~J6) :1500VAC or 2250VDC
8. Insertion Loss: 1MHz TO 100MHz : −1.2dB Max.
9. Cross Talk: 1MHz to 100MHz: −30dB min.
10. Common to Common mode Attention 1MHz to 100MHz: −30dB min.

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	DY	5/17/10
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SIZE	PART NO.	REV.
X	MTJ-88SX1-FSD-PG-LG-M14	A

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