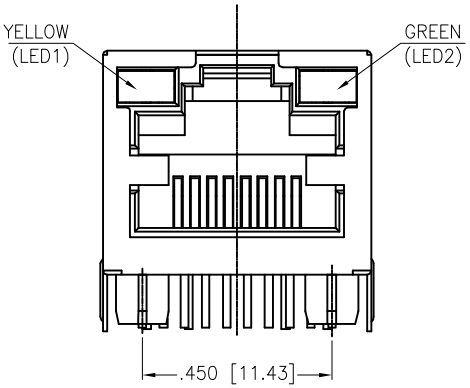
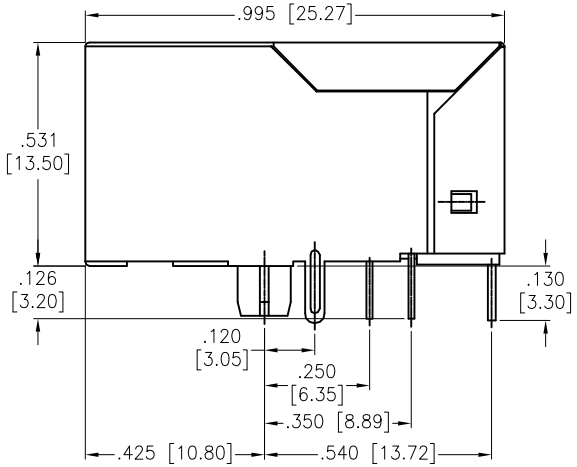
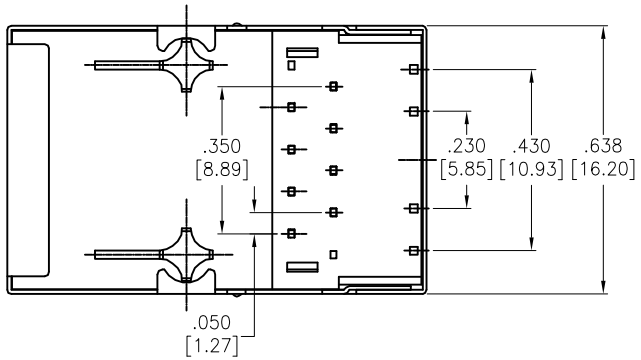
Rev	AWO #	Description	Date	Appr
-		RELEASED	10/07/10	
A		ADDED DIM. & REVISED SPEC.	8/23/13	AY/AH

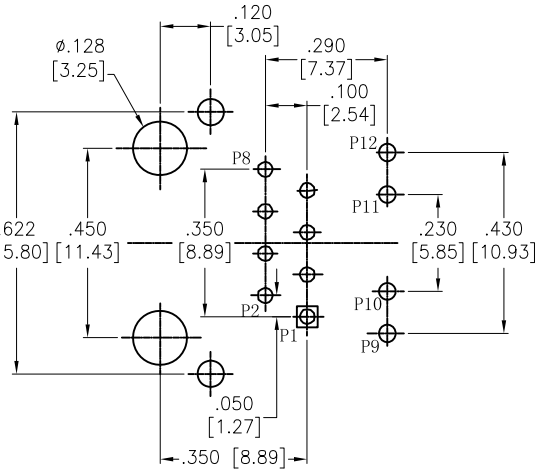
APPROVED: _____

DATE: _____ TITLE: _____









RECOMMENDED PCB LAYOUT

SPECIFICATIONS:
Material:
Insulator: PBT, glass reinforced, 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: 1500 VAC for 1 minute
Temperature Rating:
Operating temperature: 0°C to +70°C
Environmental:
Lead free, RoHS compliant.

RoHS COMPLIANT

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

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	10/07/10
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

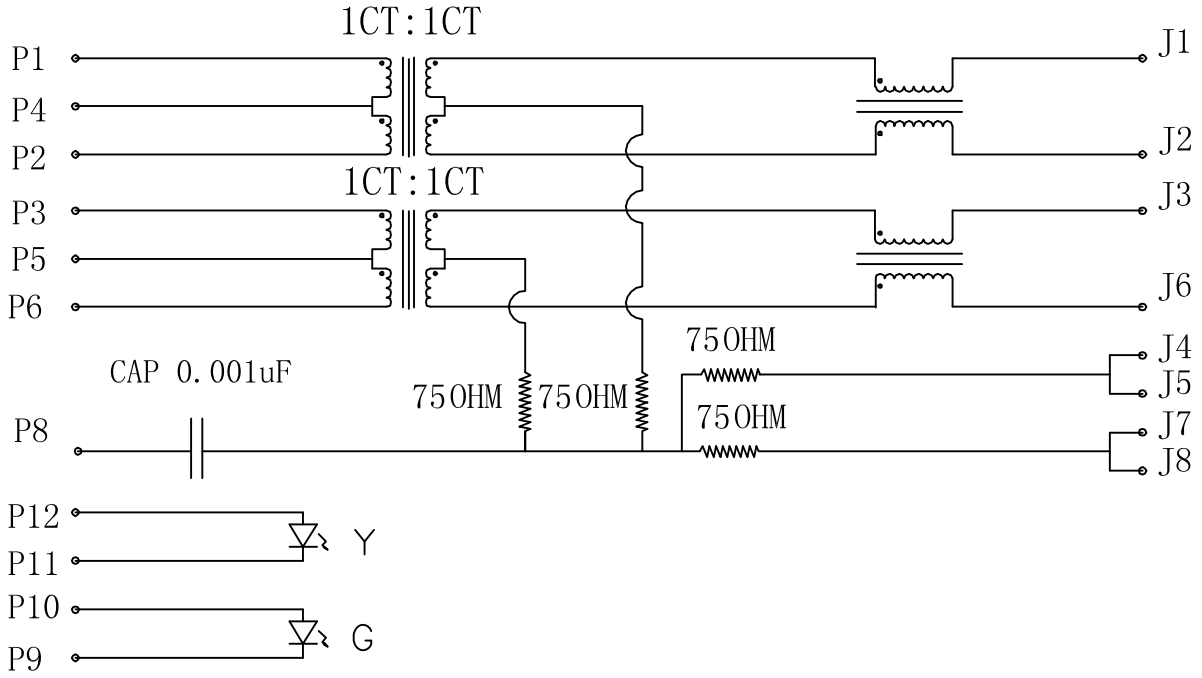
SIZE	PART NO.	REV.
X	MTJ-88SX1-FSD-LG-M4	A

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. TURN RATIO: (P1~P2):(J1~J2) :1:1 ±3%
   (P3~P6):(J3~J6) :1:1 ±3%
2. INDUCTANCE: (P1~P2) AND (P3~P6) 350uH MIN @0.1V,100KHZ,8mA DC BIAS
3. LEAKAGE INDUCTANCE: P1~P2(WITH J1 AND J2 SHORT) :0.35uH MAX @1MHZ
   P3~P6(WITH J3 AND J6 SHORT) :0.35uH MAX @1MHZ
4. INTERWINDING CAPACITANCE: (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 WITHSTAND: (P1~P2):(J1~J2) :1500VAC OR 2250VDC
   (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 ATTENUATION: 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	10/07/10
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-LG-M4	A

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