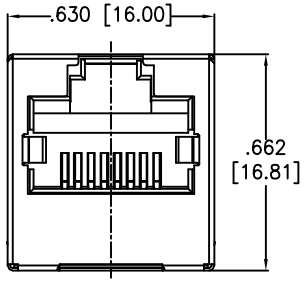
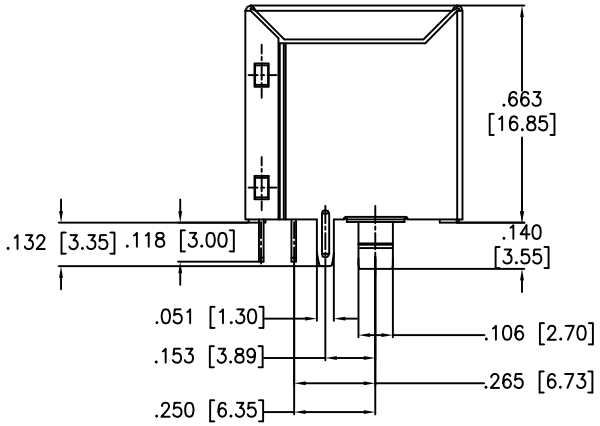
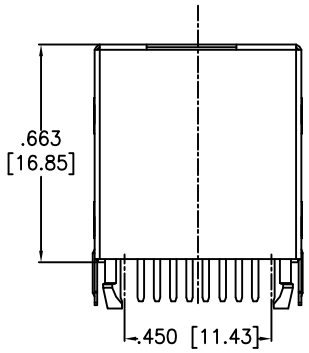
APPROVED: _____

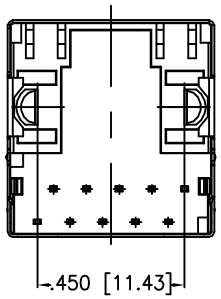
DATE: _____ TITLE: _____

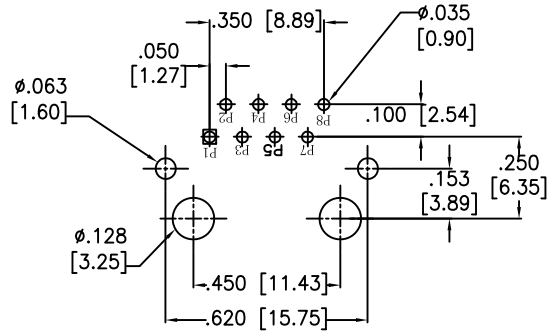
Rev	AWO #	Description	Date	Appr
-		RELEASED	9/16/11	
A		UPDATE DRAWING	3/9/16	AY/WY











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
(See chart for thickness)
Electrical:
Voltage Rating: 150 VAC
Contact Resistance: 20 mohms max
Insulation resistance: 500 Mohms min
Dielectric withstanding voltage: 1500 VAC or 2250 VDC for 1 minute
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		HOLES	
.X	± .10	Ø.X	±.10
.XX	± .020	Ø.XX	±.015
.XXX	± .015	Ø.XXX	±.010

APPROVALS		DATE
DRAWN	AY	9/16/11
CHECKED	NP	9/16/11
APPROVED		

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

TITLE
MODULAR JACK, 1 PORT, 8P8C

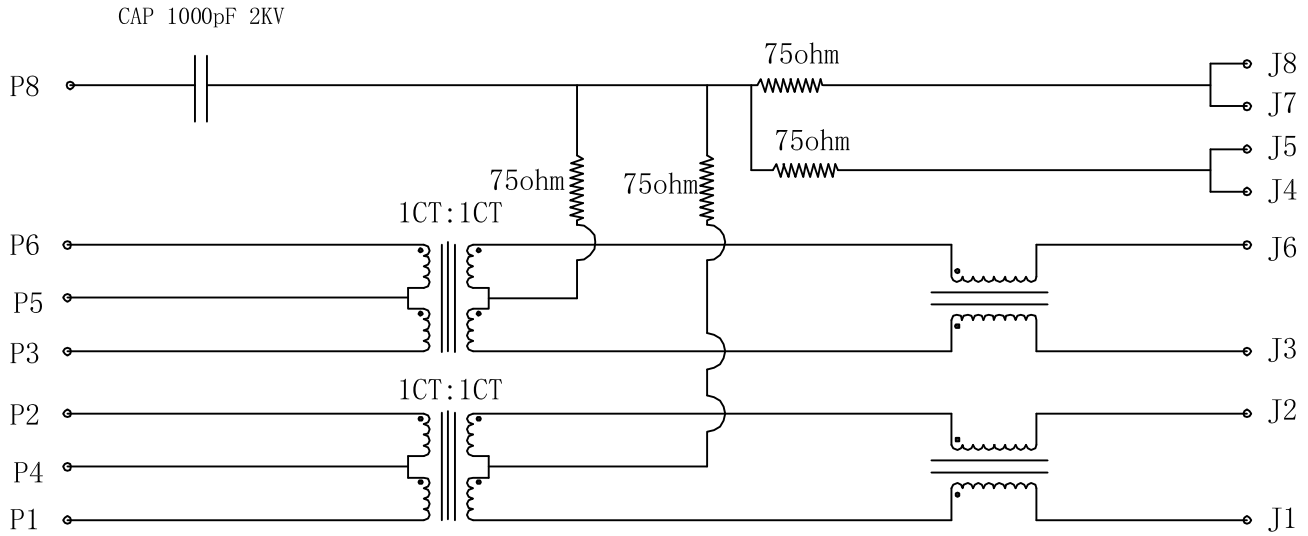
SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-M4	A

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
1.0 Turns Ratio @ 100 kHz: (P1 ~ P2) : (J1 ~ J2) : 1:1 ±5%
(P3 ~ P6) : (J3 ~ J6) : 1:1 ±5%
2.0 Primary Inductance: 350uH min. @ 100 kHz, 0.1 V, 8mA, DC BIAS
3.0 DC Resistance: (J1 ~ J2) : (J3 ~ J6): 1.2 Ohms max
4.0 Insertion Loss: 1 to 100 MHz: −1.2dB max
5.0 Return Loss: 1 to 30 MHz: −16dB min
30 to 60 MHz: −12dB min
60 to 80 MHz: −10dB min
6.0 Cross Talk: 1 to 100 MHz: −30dB min
7.0 Common to Common mode Attenuation: 1 to 100 MHz: −30dB min
8.0 Isolation: PHY Side to Line Side: 1500 VAC or 2250 VDC

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	9/16/11
CHECKED	NP	9/16/11
APPROVED		

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

TITLE
MODULAR JACK GANGED, 1 PORT, 8P8C

SIZE	PART NO.	REV.
X	MTJ-88AX1-FSN-M4	A

REF:	SCALE:	SHEET
S00005C	NTS	2 OF 2