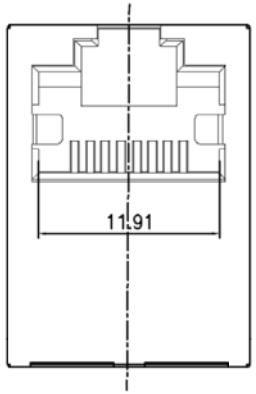
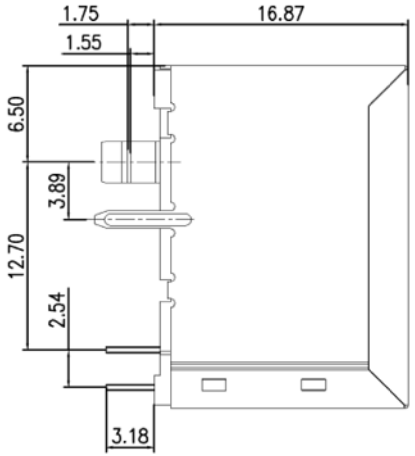
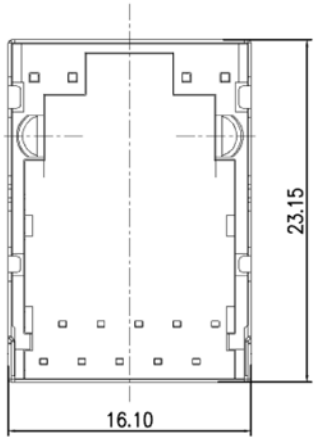
Rev	AWO #	Description	Date	Appr
-	9741	RELEASED	9/11/09	

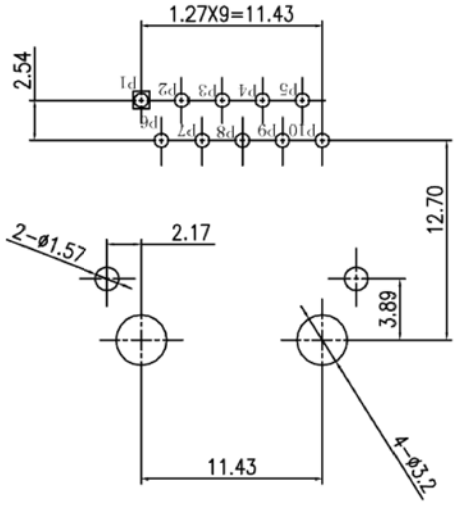
APPROVED: _____

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:
Gold plating over Nickel underplate on contact area,
Tin over Copper underplate on tails.
(See chart for thickness)
Electrical:
Operating voltage: 125 VAC max
Current rating: 1.5 Amps max
Insulation resistance: 1000 Mohms min @ 500 VDC
Dielectric withstanding voltage: 1000 VAC for 1 minute
Temperature Rating:
Operating temperature: –40°C to +85°C
Environmental:
Lead free, RoHS compliant.
Recommended soldering temp: 235°C for 5 sec.

RoHS COMPLIANT

"X"	PLATING
0	15 uin Gold
1	30 uin Gold
2	50 uin Gold

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE 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	9/11/09
CHECKED		
APPROVED		

METABEE

TITLE
MODULAR JACK GANGED, 1 PORT, 8P8C

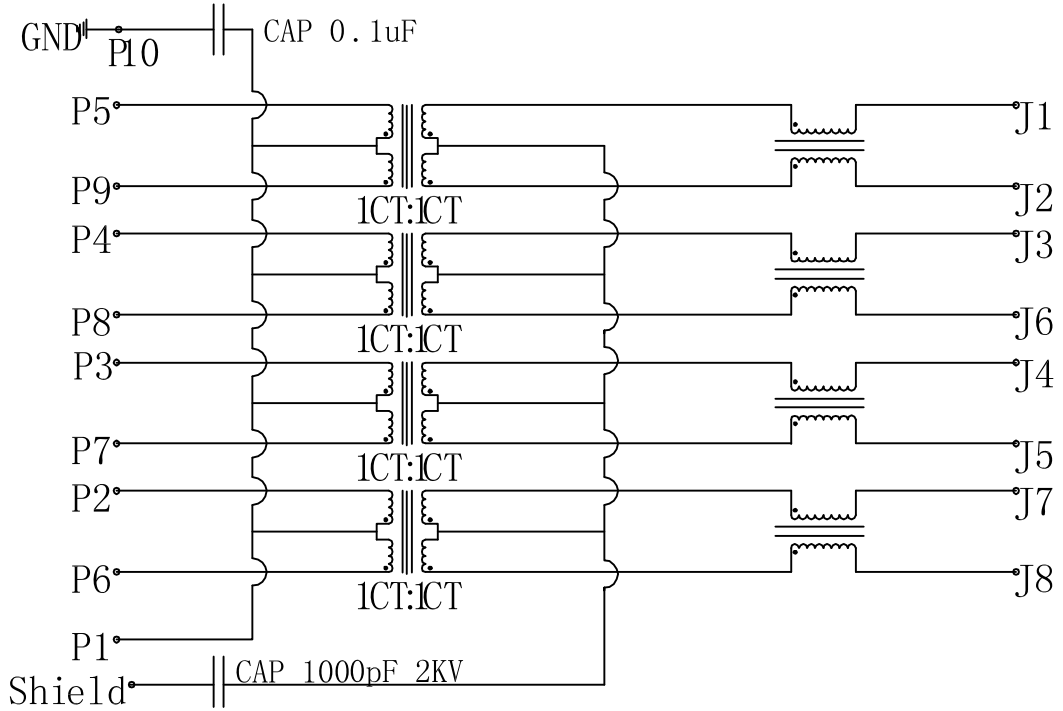
SIZE	PART NO.	REV.
X	MTJ-88CPX-FSJ-M75	-

REF:	SCALE:	SHEET
S00005C	NTS	1 OF 2

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

APPROVED: _____

DATE: _____ TITLE: _____



ELECTRICAL SPECIFICATIONS

1. Turns Ratio: (P5 ~ P9) : (J1 ~ J2) 1:1 ±3%
   (P4 ~ P8) : (J3 ~ J6) 1:1 ±3%
   (P3 ~ P7) : (J4 ~ J5) 1:1 ±3%
   (P2 ~ P6) : (J7 ~ J8) 1:1 ±3%
2. Inductance: (P5 ~ P9) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
   (P4 ~ P8) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
   (P3 ~ P7) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
   (P2 ~ P6) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
3. Leakage Inductance: P5 ~ P9 (with J1 and J2 Short): 0.3uH Max. @ 1 MHZ
   P4 ~ P8 (with J3 and J6 Short): 0.3uH Max. @ 1 MHZ
   P3 ~ P7 (with J4 and J5 Short): 0.3uH Max. @ 1 MHZ
   P2 ~ P6 (with J7 and J8 Short): 0.3uH Max. @ 1 MHZ
4. Interwinding Capacitor: (P5 ~ P9) : (J1 ~ J2): 105pF max. @ 1MHZ
   (P4 ~ P8) : (J3 ~ J6): 105pF max @ 1MHZ
   (P3 ~ P7) : (J4 ~ J5): 105pF max @ 1MHZ
   (P2 ~ P6) : (J7 ~ J8): 105pF max @ 1MHZ
5. DC Resistance: (J1 ~ J2) : (J3 ~ J6): 1.2 Ohms Max.
   (J4 ~ J5) : (J7 ~ J8): 1.2 Ohms Max.
6. Return Loss: 1MHZ to 30MHZ: −18dB min / 30MHZ to 80MHZ: −12dB min
7. Dielectric Withstanding: (P5~P9) : (J1~J2) : (P4~P8) : (J3~J6) :1500V AC
   (P3~P7) : (J4~J5) : (P2~P6) : (J7~J8) :1500V AC
8. Insertion Loss: RS=RL=100OHM : 100KHZ TO 80MHZ : −1.1dB Min.
9. Rise Time: RS=100 Ohms and RL=100 ohms
   Output Voltage= 1V Peak :3.0nS Max.
   Pulse Width= 112nS :3.0nS Max.
10. Cross Talk: 1MHZ to 100MHZ: 40dB Typ.
11. Common to Common mode Attenuation 30MHZ to 100MHZ: 35dB Typ.

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	9/11/09
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APPROVED		

ETABEE

TITLE: MODULAR JACK GANGED, 1 PORT, 8P8C

SIZE	PART NO.	REV.
X	MTJ-88CPX-FSJ-M75	-

REF:	SCALE:	SHEET
S00005C	NTS	2 OF 2