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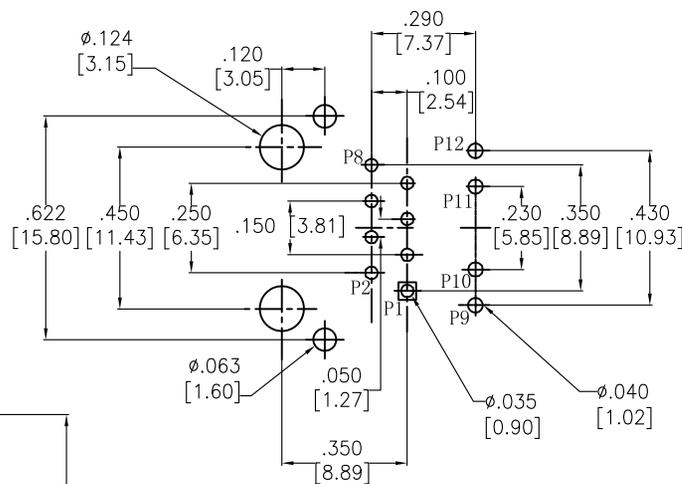
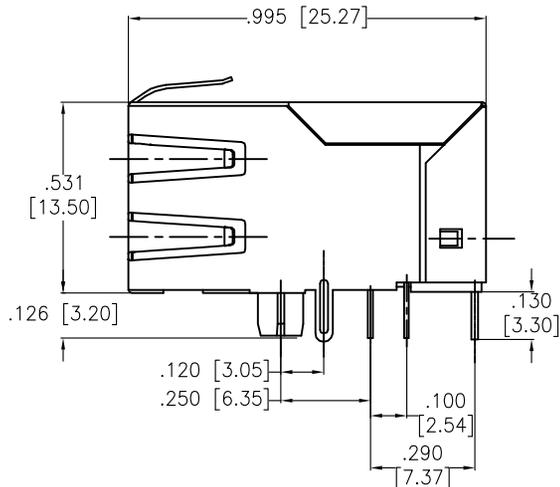
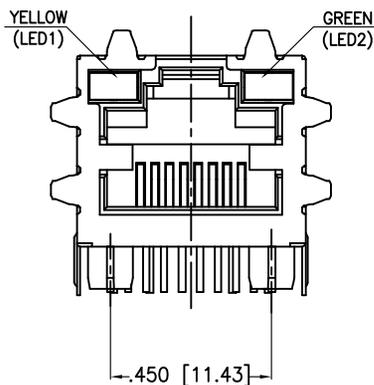
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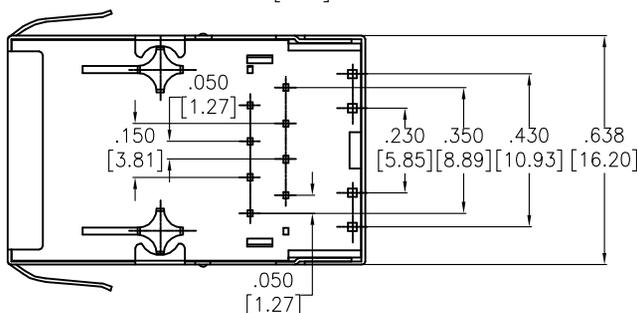
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APPROVED: _____
DATE: _____ TITLE: _____

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

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE INCHES [MM]
 TOLERANCES: EXCEPT AS NOTED
 INCHES HOLES

.X ± .10	∅X ± .10
.XX ± .020	∅XX ± .015
.XXX ± .015	∅XXX ± .010



TITLE
 MODULAR JACK GANGED, 1 PORT, 8P8C
 W/ LED1 YELLOW, LED2 GREEN

APPROVALS		DATE
DRAWN	DY	5/17/10
CHECKED		
APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88SX1-FSD-PG-LG-M14	A
REF: S00005C	SCALE: NTS	SHEET 1 OF 2



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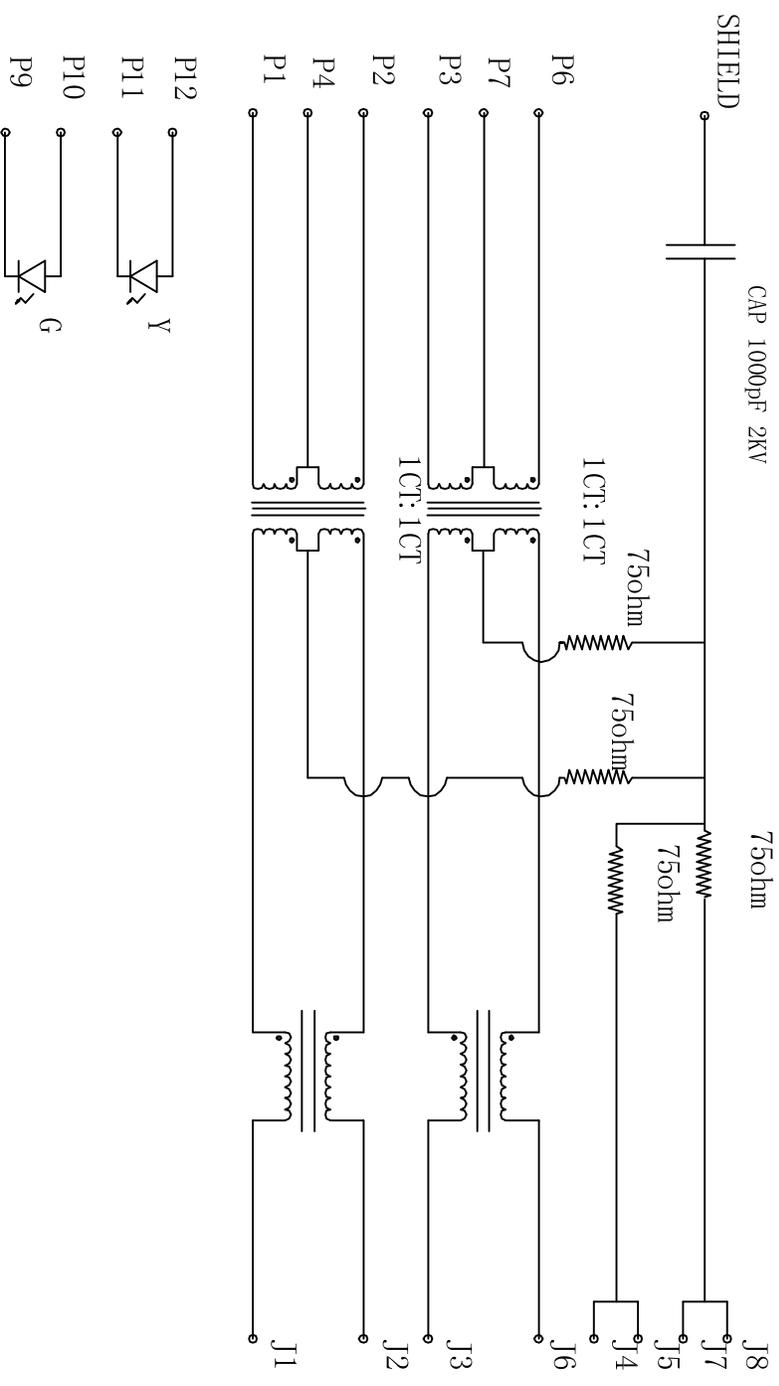
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Rev	AWO #	Description	Date	Appr
		SEE SHT 1 OF 2 FOR REVISION		

APPROVED: _____

DATE: _____ TITLE: _____



ELECTRICAL SPECIFICATIONS

- Turns Ratio: (P1 ~ P2) : (J1 ~ J2) 1:1 ±3%
(P3 ~ P6) : (J3 ~ J6) 1:1 ±3%
- Inductance: (P1 ~ P3) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
(P4 ~ P6) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
- 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
- Interwinding Capacitor: (P1 ~ P2) : (J1 ~ J2): 35pF max. @ 1MHz
(P3 ~ P6) : (J3 ~ J6): 35pF max. @ 1MHz
- DC Resistance: (J1 ~ J2) : (J3 ~ J6): 1.2 Ohms Max.
- 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
- Dielectric Withstanding: (P1~P2) : (J1~J2): (P3~P6) : (J3~J6) : 1500VAC or 2250VDC
- Insertion Loss: 1MHz TO 100MHz : -1.2dB Max.
- Cross Talk: 1MHz to 100MHz: -30dB min.
- Common to Common mode Attention 1MHz to 100MHz: -30dB min.



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

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]	
TOLERANCES: EXCEPT AS NOTED	
INCHES	HOLES
.X ±.10	Ø.X ±.10
.XX ±.020	Ø.XXX ±.015
.XXX ±.015	Ø.XXX ±.010
APPROVALS	DATE
DRAWN DY	5/17/10
CHECKED	
APPROVED	

SIZE	PART NO.	REV.
X	MTJ-888X1-FSD-PG-LG-M14	A
REF:	S00005C	SCALE: NTS
		SHEET 2 OF 2