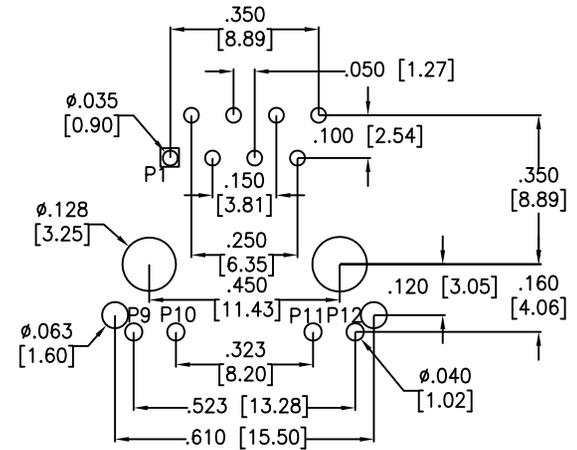
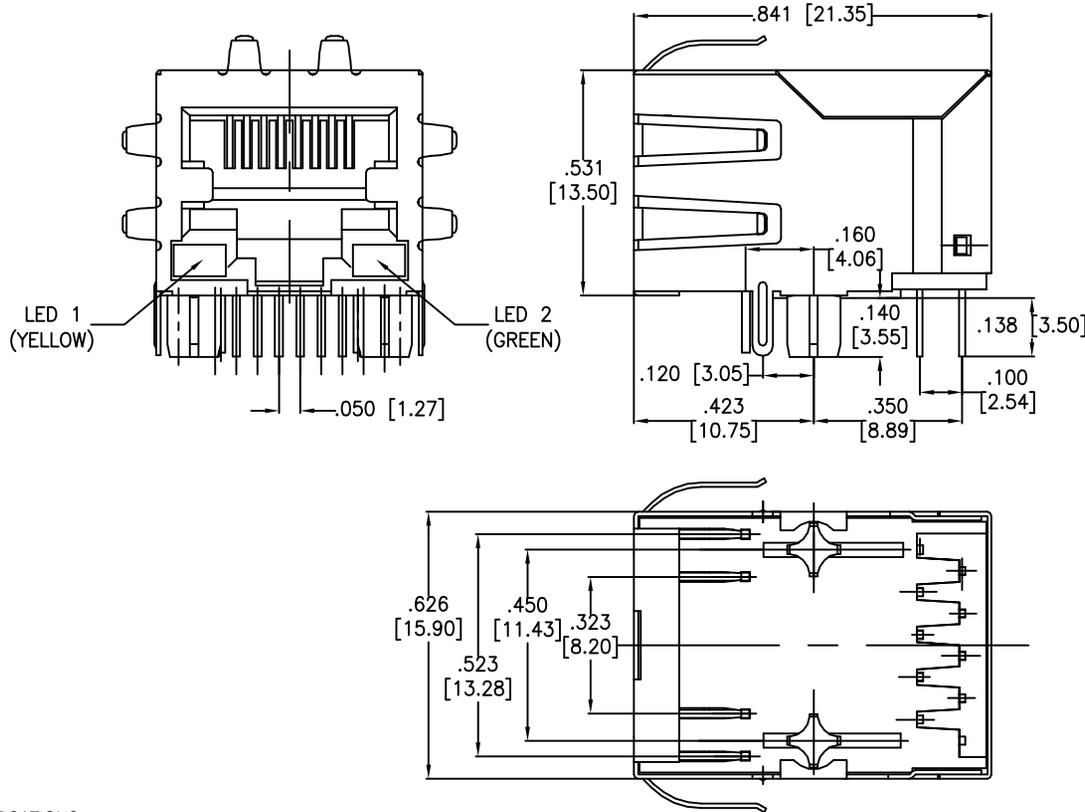


APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	10/29/09	



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)

X	PLATING
0	15 μ m Gold
1	30 μ m Gold
2	50 μ m Gold

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.



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

.X ± .10	ØX ± .10
.XX ± .020	ØXX ± .015
.XXX ± .015	ØXXX ± .010

APPROVALS		DATE
DRAWN	DY	10/29/09
CHECKED		
APPROVED		



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

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSP-PG-LG-M4	-
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

6

5

4

3

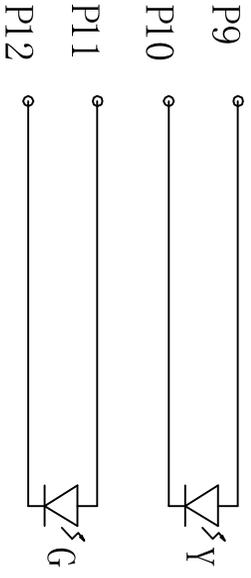
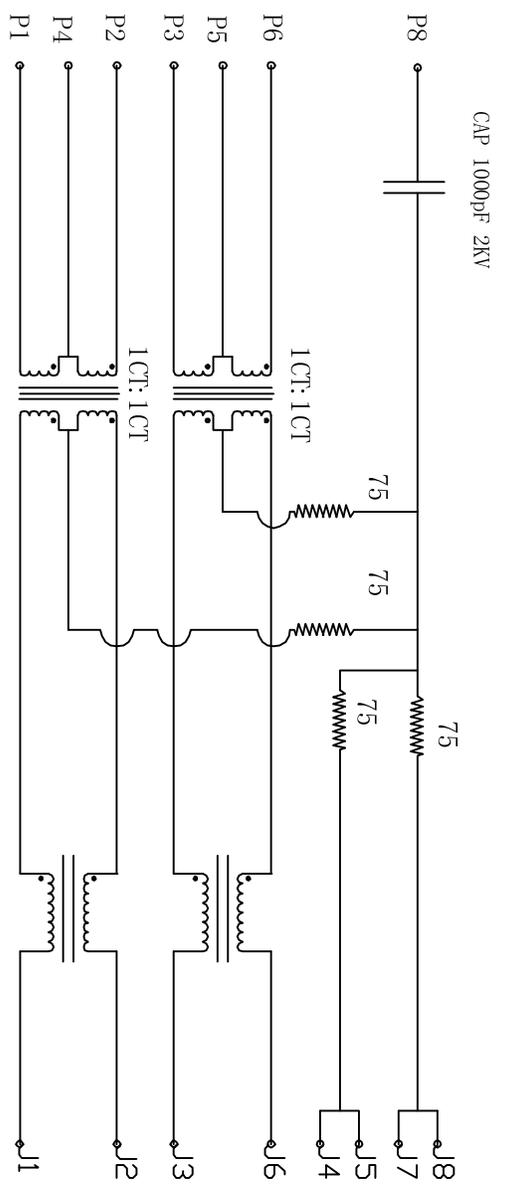
2

1

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 ~ P2) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
(P3 ~ P6) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
- Leakage Inductance: P1 ~ P2 (with J1 and J2 Short): 0.35uH Max. @ 1 MHZ
P3 ~ P6 (with J3 and J6 Short): 0.35uH Max. @ 1 MHZ
- Interwinding Capacitance: (P1 ~ P2) : (J1 ~ J2): 35pF max. @ 1MHZ
(P3 ~ P6) : (J3 ~ J6) : 1.2 Ohms Max.
- DC Resistance: (J1 ~ J2):(J3 ~ J6) :1.2 Ohms Max.
- Return Loss: 1MHZ to 30MHZ: -18dB min / 30MHZ to 80MHZ: -12dB min
- Dielectric Withstanding: (P1~P2) : (J1~J2) :1500VAC
(P3~P6) : (J3~J6) :1500VAC
- Insertion Loss: RS=RL=1000OHM : 100KHZ TO 80MHZ : -1.1dB Min.
- Cross Talk: 1MHZ to 100MHZ: 35dB Typ.
- Common to Common mode Attenuation 30MHZ to 100MHZ: 30dB Typ.



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

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM] TOLERANCES: EXCEPT AS NOTED	
.X INCHES	Ø.X HOLES
.XX ± .020	± .10
.XXX ± .015	± .015
APPROVALS	DATE
DRAWN DY	10/29/09
CHECKED	
APPROVED	

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSP-PG-LG-M4	-
REF: S0003C	SCALE: NTS	SHEET 2 OF 2

6

5

4

3

2

1