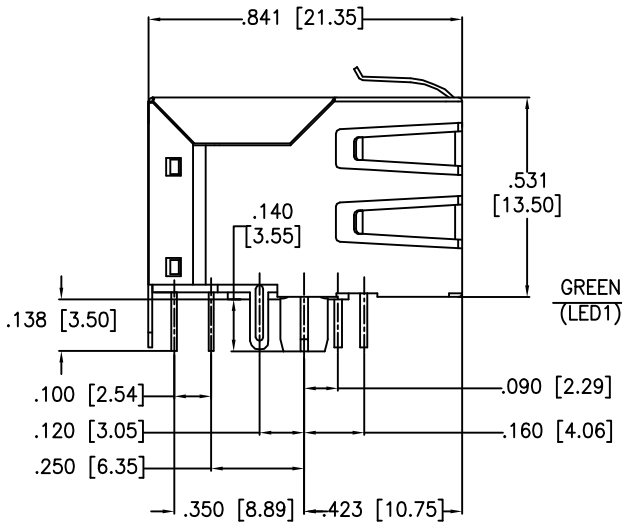
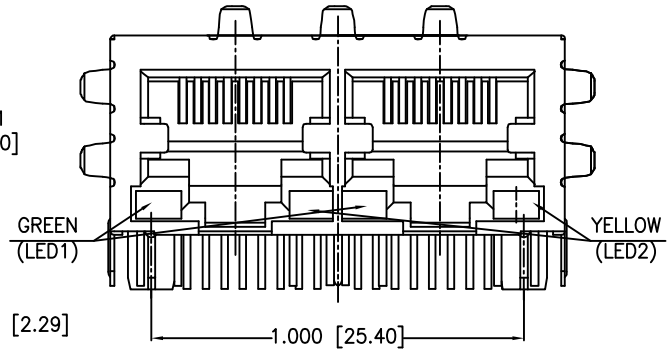
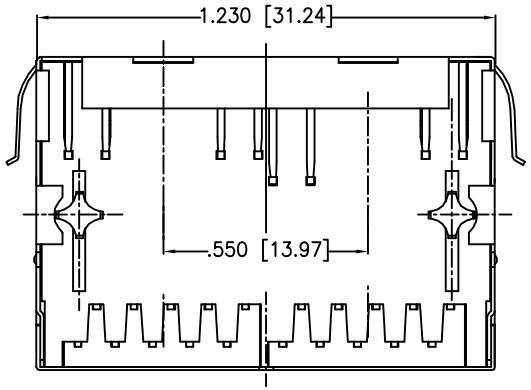
APPROVED: _____

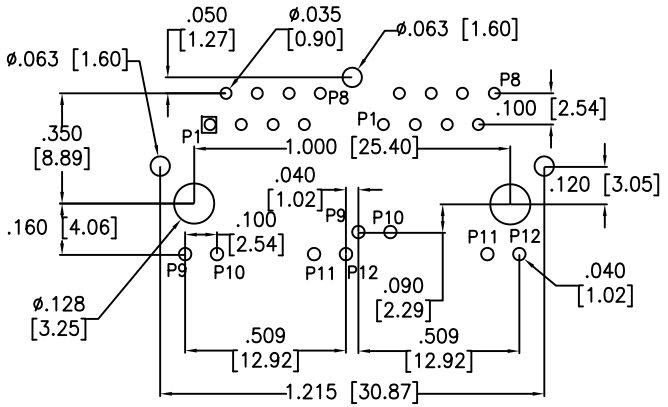
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	3/4/10	
A		CORRECTED PCB LAYOUT	4/12/10	AY/LW
B		UPDATED DRAWING	7/29/16	AY/MY









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: 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:
Voltage rating: 150 VAC
Contact Resistance: 20 mohms max
Insulation resistance: 500 Mohms min
Dielectric withstanding voltage: 1500 VAC or 2250VDC 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
6	6 µin Gold

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	SS	3/4/10
CHECKED		
APPROVED		

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

TITLE: MODULAR JACK GANGED, 2 PORT, 8P8C
W/ LED1 GREEN, LED2 YELLOW

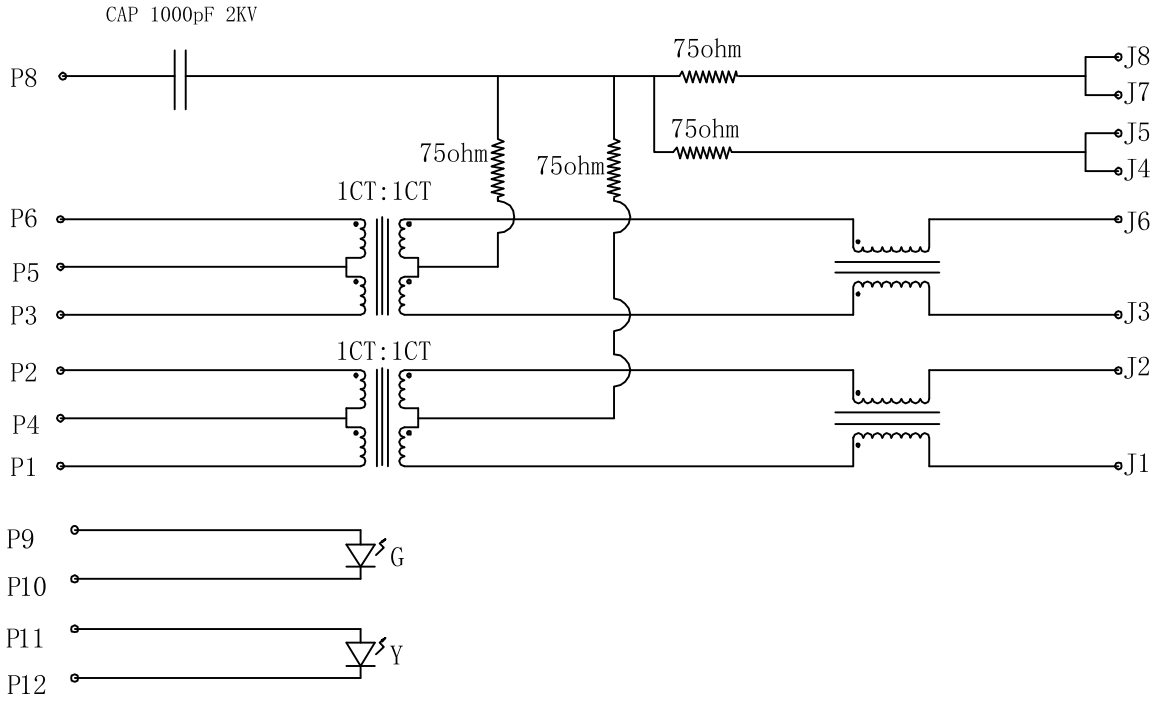
SIZE	PART NO.	REV.
X	MTJG-2-88TX1-FSD-PG-LH-M4	B

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. Turns Ratio: (P1 ~ P2) : (J1 ~ J2) 1:1 ±3%
   (P3 ~ P6) : (J3 ~ J6) 1:1 ±3%
2. Inductance: (P1 ~ P2) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
   (P3 ~ P6) 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
3. 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
4. Interwinding Capacitor: (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 Withstanding: (P1~P2) : (J1~J2): (P3~P4) : (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 attenuaton: 1MHZ TO 100MHZ: −30dBMIN

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	SS	3/4/10
CHECKED		
APPROVED		

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TITLE: MODULAR JACK GANGED, 2 PORT, 8P8C W/ LED1 GREEN, LED2 YELLOW

SIZE	PART NO.	REV.
X	MTJG-2-88TX1-FSD-PG-LH-M4	B

REF: S00005C | SCALE: NTS | SHEET 1 OF 2