

RECOMMENDED PCB LAYOUT
(COMPONENT SIDE)

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

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
 Tin over Nickel underplate on contact area,
 (See chart for thickness)
 Electrical: Operating voltage: 150 VAC max
 Contact Resistance: 20 mohms max
 Insulation resistance: 500 Mohms min
 Dielectric withstanding voltage: 1500 VAC for 1 minute
 Temperature Rating: Operating temperature: 0°C to +70°C
 Environmental: Lead free, RoHS compliant.



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

APPROVALS	DATE
DRAWN AY	11/21/12
CHECKED CC	11/21/12
APPROVED	

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM] TOLERANCES: EXCEPT AS NOTED	SIZE	PART NO.	REV.
INCHES .X \pm .10 \varnothing X \pm .10 .XX \pm .020 \varnothing XXX \pm .015 .XXX \pm .015 \varnothing XXX \pm .010	X	MTJ-88TX1-FSD-PG-D1LD-M4	-
REF: S00005C	SCALE: NIS	SHEET 1 OF 2	

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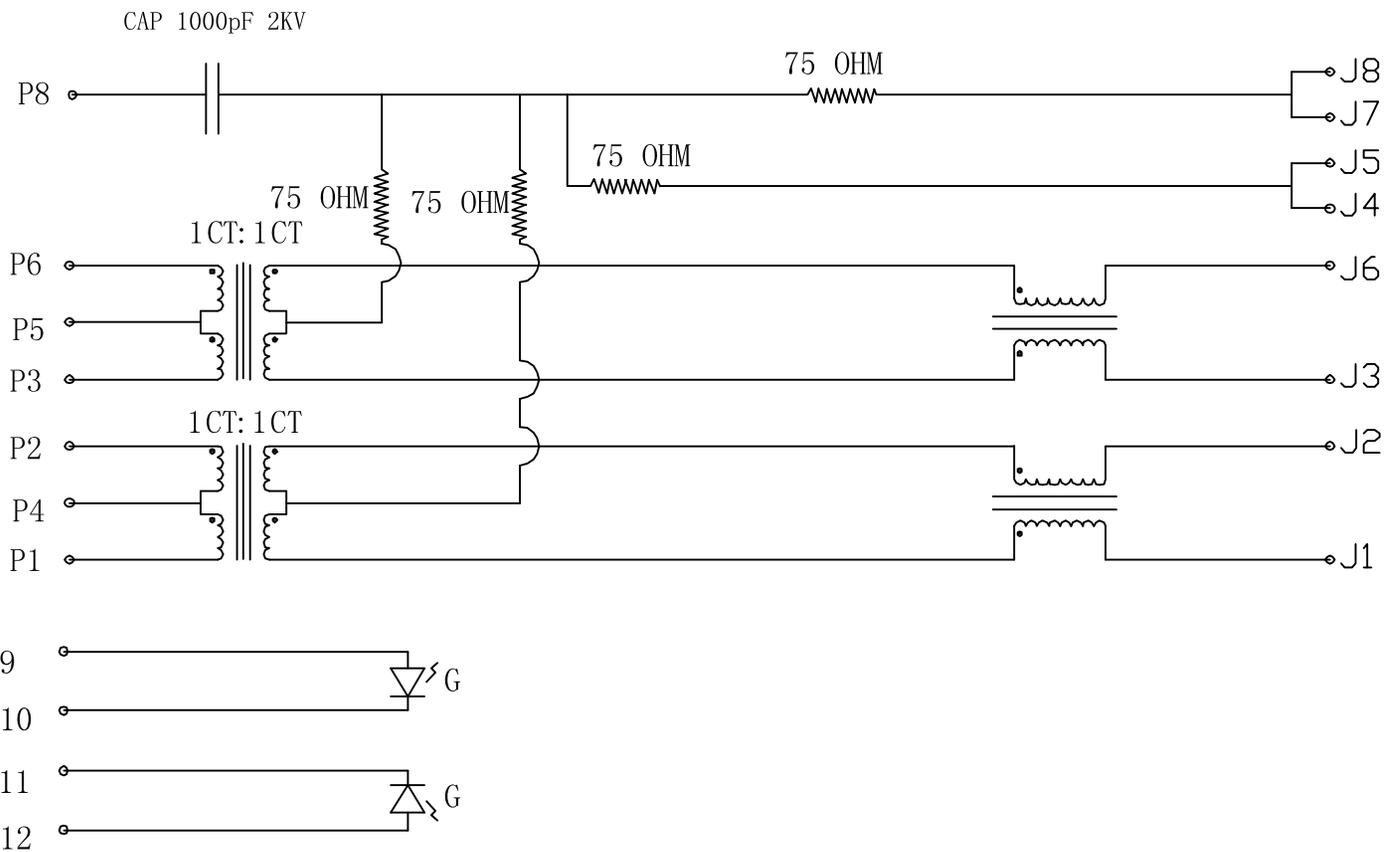
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APPROVED: _____

DATE: _____ TITLE: _____

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



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 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): 1500VAC or 2250VDC
(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 Attenuation 1MHZ to 100MHZ: -30dB min.

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



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REF: S00005C	SCALE: NTS	SHEET 2 OF 2

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