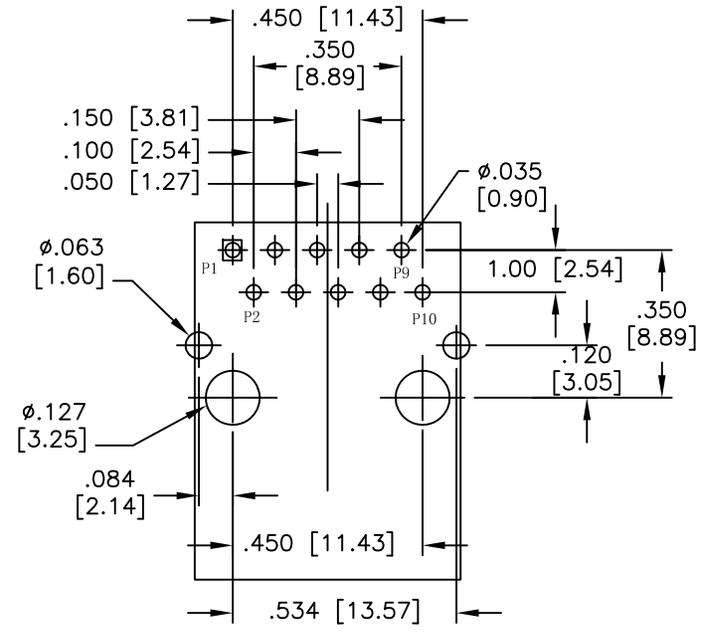
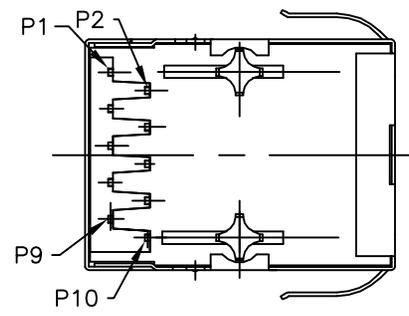
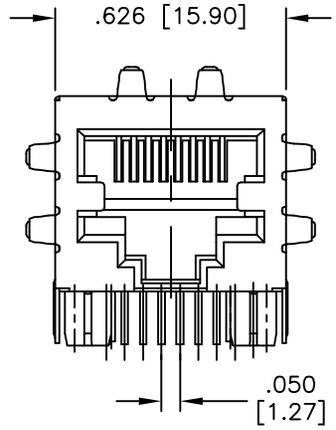
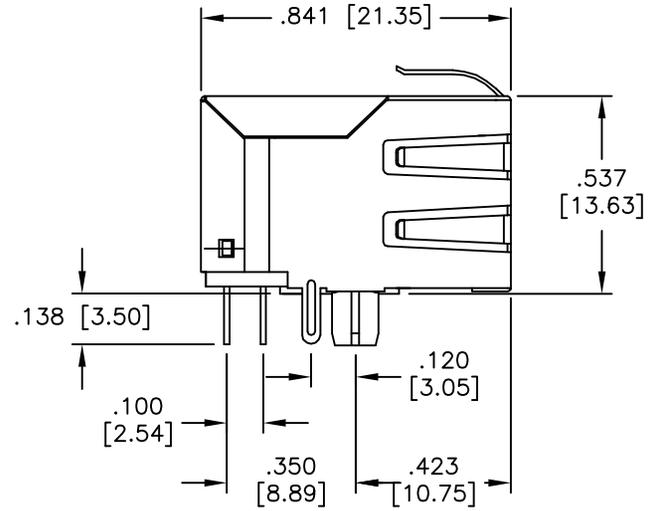


Rev	AWO #	Description	Date	Appr
-		RELEASED	11/19/15	

APPROVED: _____
DATE: _____ TITLE: _____



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:
Insulator: 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: 2250 VDC for 1 minute
Temperature Rating:
Operating temperature: 0°C to +70°C
Environmental:
Lead free, RoHS compliant.



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

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

INCHES		HOLES	
.X	$\pm .10$	ϕX	$\pm .10$
.XX	$\pm .020$	ϕXX	$\pm .015$
.XXX	$\pm .015$	ϕXXX	$\pm .010$

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

APPROVALS		DATE
DRAWN	AY	11/19/15
CHECKED	MY	11/19/15
APPROVED		

TITLE MODULAR JACK GANGED, 1 PORT, 8P8C		
SIZE X	PART NO. MTJ-88TX1-FSD-PG-M286	REV. -
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

6 5 4 3 2 1

6 5 4 3 2 1

D

D

C

C

B

B

A

A

6

5

4

3

2

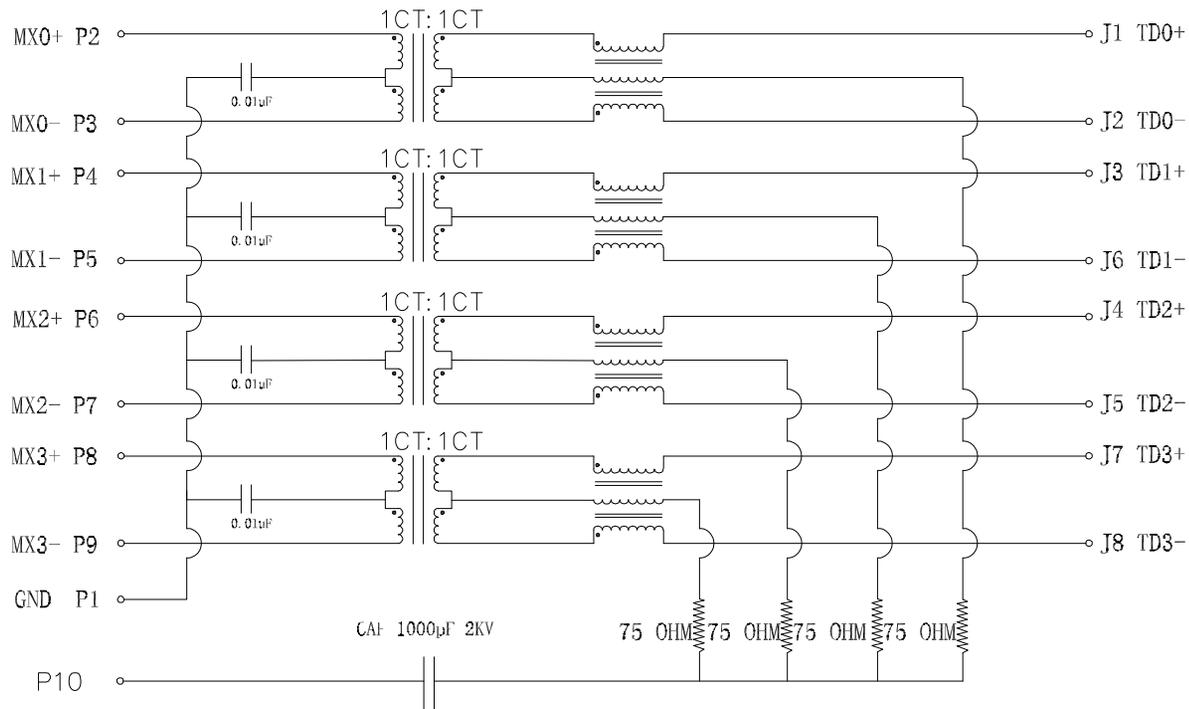
1

APPROVED: _____

DATE: _____ TITLE: _____

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



ELECTRICAL SPECIFICATIONS:

- Turns Ratio: (P2 ~ P3) : (J1 ~ J2) 1:1 ±5%
(P4 ~ P5) : (J3 ~ J6) 1:1 ±5%
(P6 ~ P7) : (J4 ~ J5) 1:1 ±5%
(P8 ~ P9) : (J7 ~ J8) 1:1 ±5%
- Primary Inductance: 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
- DC Resistance: 1.2 Ohms Max.
- Insertion Loss: 1MHZ TO 100MHZ : -1.0dB Max
100MHZ TO 125MHZ : -1.2dB Max
- Return Loss: 1MHZ to 40MHZ: -16dB Min.
40MHZ to 60MHZ: -12dB Min.
60MHZ to 80MHZ: -10dB Min.
80MHZ to 100MHZ: -8dB Min.
- Cross Talk: 1MHZ to 100MHZ: -30dB Min.
- Common to Common Mode Attenuation: 1MHZ TO 100MHZ: -30dB Min
- Isolation: PHY Side to Line Side: 2250VDC

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

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MODULAR JACK GANGED, 1 PORT, 8P8C

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SIZE X	PART NO. MTJ-88TX1-FSD-PG-M286	REV. -
REF: S00005C	SCALE: NTS	SHEET 2 OF 2

6

5

4

3

2

1