

6

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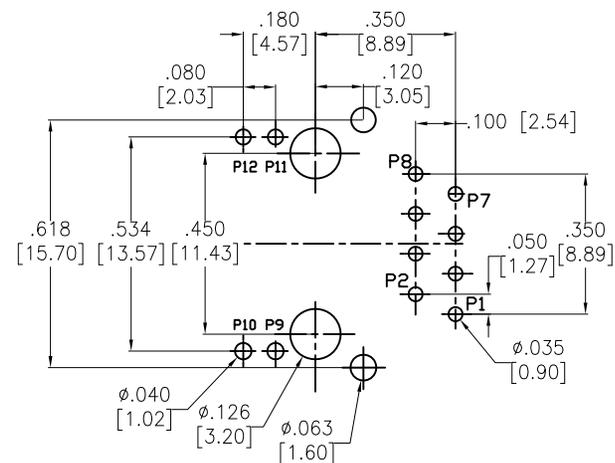
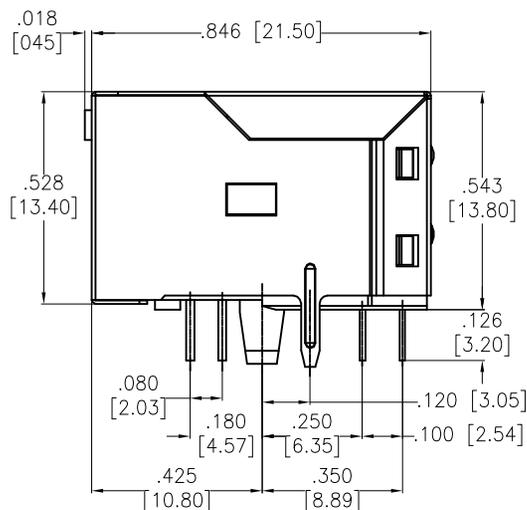
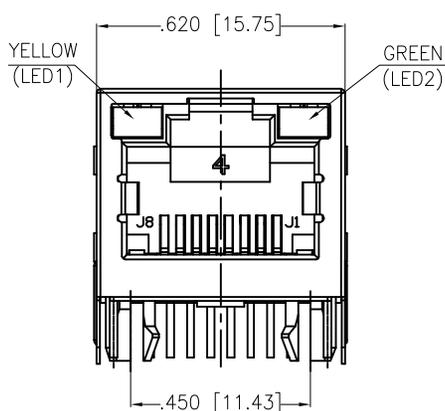
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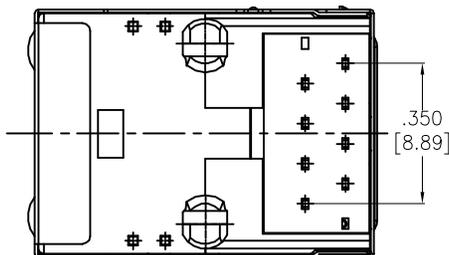
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/26/15	



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:
Housing: PA66, rated UL 94V-0, Color: Black
Inserter: PBT, rated UL 94V-0, Color: Black
Contacts: Copper Alloy
Shield: Brass, 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: 1500 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
6	6 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

APPROVALS		DATE
DRAWN	AY	11/26/15
CHECKED	OC	11/26/15
APPROVED		

ADAM TECH

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

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

SIZE	PART NO.	REV.
X	MTJ-88TUX1-FSD-VLG-M248	-

REF: S00005C SCALE: NTS SHEET 1 OF 2

6

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APPROVED: _____

DATE: _____ TITLE: _____

Rev | AWO # | Description | Date | Appr

SEE SHT 1 OF 2 FOR REVISION

CAP 1000pF 2KV

P1

P3

P4

P6

P7

P5

P8

P9

P10

P11

P12

J8

J7

J5

J4

J6

J3

J2

J1

75 OHM

75 OHM

75 OHM

75 OHM

1CT:1CT

1CT:1CT

G

Y

Pin	Green		Yellow
P9	+	P11	+
P10	-	P12	-

ELECTRICAL SPECIFICATIONS

- Turns Ratio: (P8 ~ P7) : (J1 ~ J2) 1:1 ±5%
(P6 ~ P3) : (J3 ~ J6) 1:1 ±5%
- Inductance: 350uH min. @ 0.1V, 100KHZ, 8mA DC Bias
- DC Resistance: (J1 ~ J2) : (J3 ~ J6): 1.2 Ohms Max.
- Insertion Loss: 1MHZ TO 100MHZ : -1.2dB MAX
- Return Loss: 1MHZ to 30MHZ: -16dB Min.
30MHZ to 60MHZ: -12dB Min.
60MHZ to 80MHZ: -10dB Min.
- Cross Talk: 1MHZ to 100MHZ: -30dB Min
- Common to Common Mode Attenuation: 1MHZ TO 100MHZ: -30dB Min
- Isolation: PHY Side to Line Side: 1500VAC or 2250VDC

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

ADAM TECH909 Rahway Avenue, Union, NJ 07083
Phone: 908-687-5000 Fax: 908-687-5710TITLE
MODULAR JACK GANGED, 1PORT, 8P8C
W/ LED1 YELLOW, LED2 GREEN

APPROVALS		DATE
DRAWN	AY	11/26/15
CHECKED	OC	11/26/15
APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88TUX1-FSD-VLG-M248	-

REF: S00005C SCALE: NTS SHEET 2 OF 2

6

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