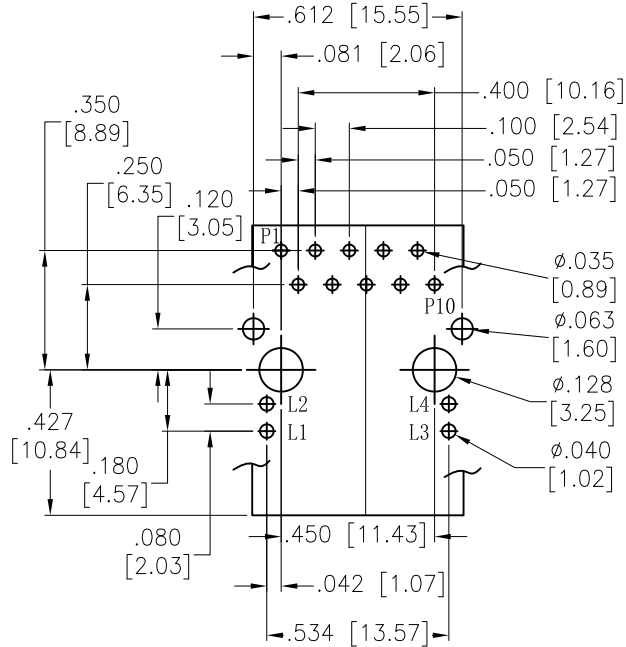


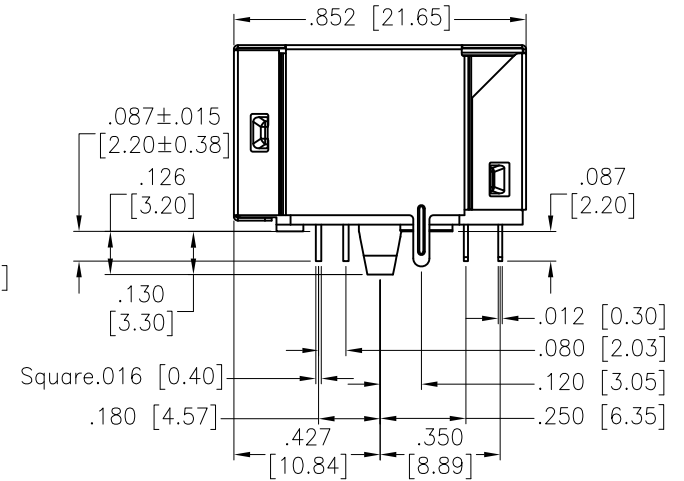
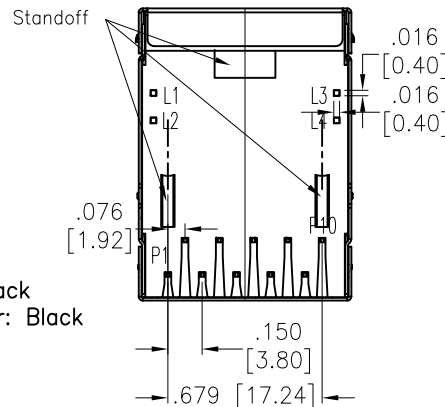
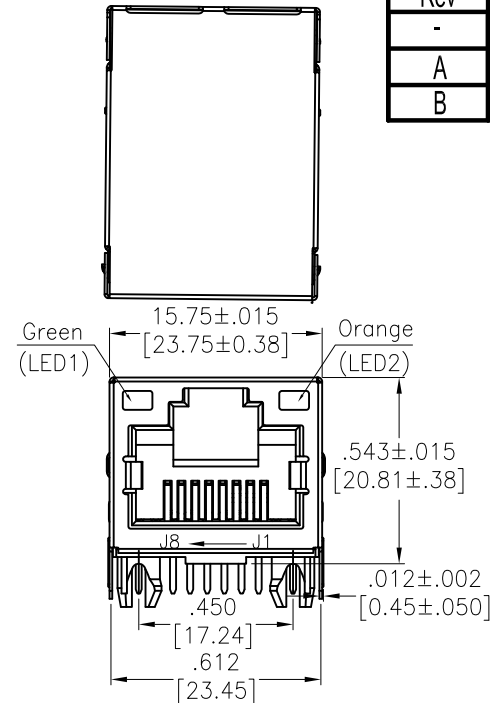
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/18/16	
A		ADDED SPEC.	3/13/17	HR/CT
B		UPDATE DRAWING	6/24/21	JJ/RC



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

Insulator: Hi-Temp Thermoplastic, rated UL 94V-0, Color: Black

Module Case: Hi-Temp Thermoplastic, rated UL 94V-0, Color: Black

RJ Contacts: Phosphor Bronze

Solder Tail: Brass,

Shield: Stainless, Nickel plated

Plating:

Round contact

Gold over Nickel underplate overall

Flat contact

Gold over Nickel underplate on contact area,

Matte Tin over Nickel underplate on solder tails

Electrical:

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 1,500 VAC OR 2250 VDC 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	Ø.X ± .10
.XX ± .020	Ø.XX ± .015
.XXX ± .015	Ø.XXX ± .010

DRAWN	HR	11/18/16
CHECKED	AT	11/18/16
APPROVED		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

ADAM TECH

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

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

SIZE X	PART NO. MTJ-88TUX1-FSD-VL5-M236Y-HT	REV. B
REF: S00101C	SCALE: NTS	SHEET 1 OF 2

6

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4

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2

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APPROVED: _____

DATE: _____ TITLE: _____

Rev

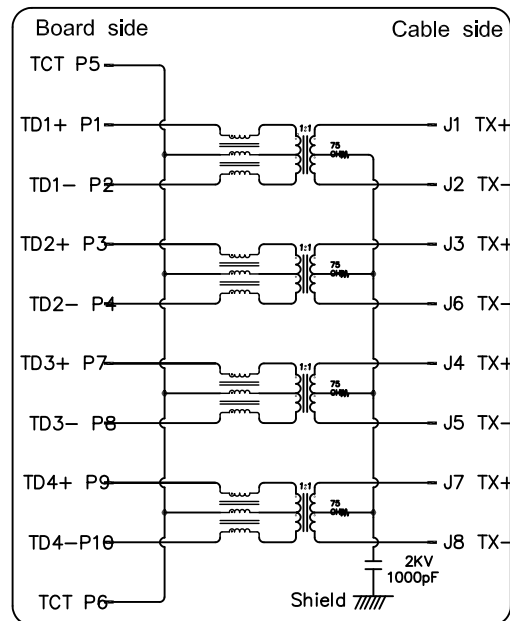
AWO #

Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION



ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :

- 1~100 MHz -1.0dB MAX.

2. RETURN LOSS(LOAD 100Ω) :

- 1~30 MHz -18dB MIN
 - 30~60 MHz -16dB MIN
 - 60~80 MHz -12dB MIN
 - 80~100 MHz -10dB MIN

3. COMMON MODE REJECTION

- 1~100 MHz -30dB MIN

4. CROSS TALK

- 1~100 MHz -30dB MIN

5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS

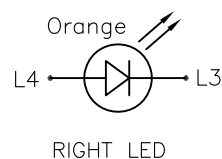
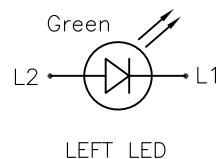
- (P1-P2),(P3-P4),(P7-P8),(P9-P10) : 350 uH MIN

6. HI-POT TEST

- PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S

7. TURNS RATION 100KHz

- (P1-P2) : (J1-J2) = 1:1 ±%5
 - (P3-P4) : (J3-J6) = 1:1 ±%5
 - (P7-P8) : (J4-J5) = 1:1 ±%5
 - (P9-P10) : (J7-J8) = 1:1 ±%5



Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Orange	605	1.7V~2.6V	10μA max.

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

DRAWN

HR

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CHECKED

AT

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TITLE

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

 SIZE
 X

PART NO.

MTJ-88TUX1-FSD-VL5-M236Y-HT

 REV.
 B

REF: S00101C

SCALE: NTS

SHEET 2 OF 2

6

5

4

3

2

1