

APPROVED: _____
DATE: _____ TITLE: _____

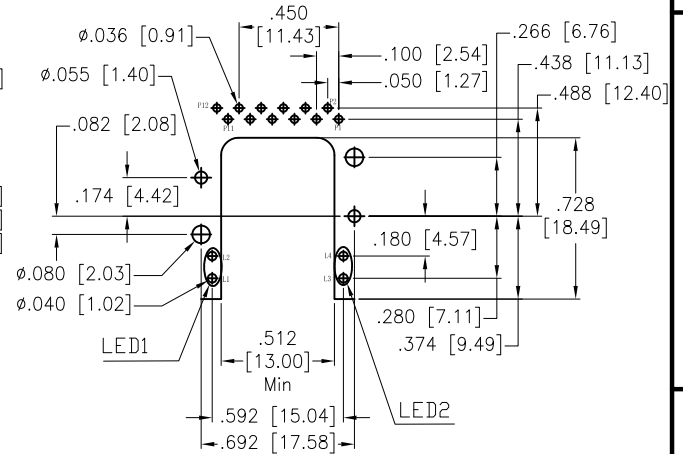
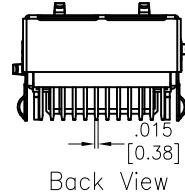
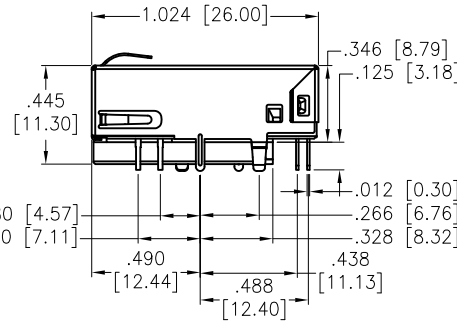
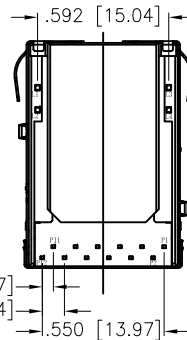
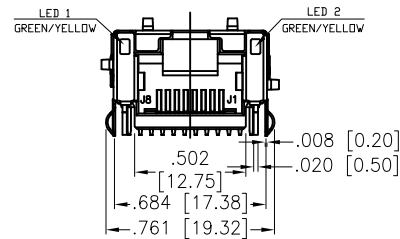
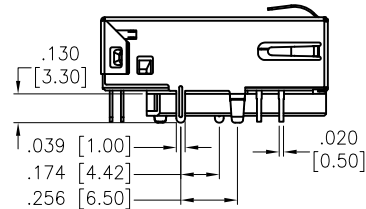
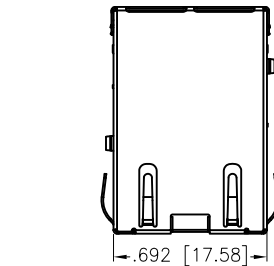
Rev	AWO #	Description	Date	Appr
-		RELEASED	6/23/21	
A		UPDATE DRAWING	10/21/21	WX/TY
B		UPDATE SPEC.	2/9/22	WX/TY

D

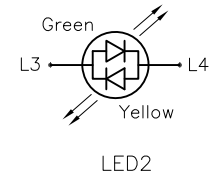
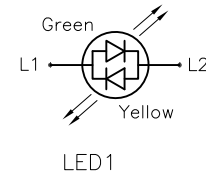
C

B

A



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

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

Insulator color: Black

Contacts: Phosphor Bronze

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

Electrical:

Voltage rating: 3V

Current rating: 1.5A

Contact Resistance: 20 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 2250 VDC min for 1 minute

Temperature Rating:

Operating temperature: 0°C to +85°C

Environmental:

Lead free, RoHS compliant.



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

INCHES	HOLES
.X ± .10	ØX ± .10
.XX ± .020	ØXX ± .015
.XXX ± .015	ØXXX ± .010

DRAWN	WX	6/23/21
CHECKED	TY	6/23/21
APPROVED		

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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 TELEPHONE JACK, 1 PORT, 8P8C, FULL SHIELDED,
W/ LED1 GREEN/YELLOW, LED2 GREEN/YELLOW

SIZE X	PART NO. MTJ-88BAX1-FS-PG-VL16-M329Y	REV. B
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REF: S00101C SCALE: NTS SHEET 1 OF 2

D

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B

A

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1

APPROVED: _____

DATE: _____ TITLE: _____

Rev

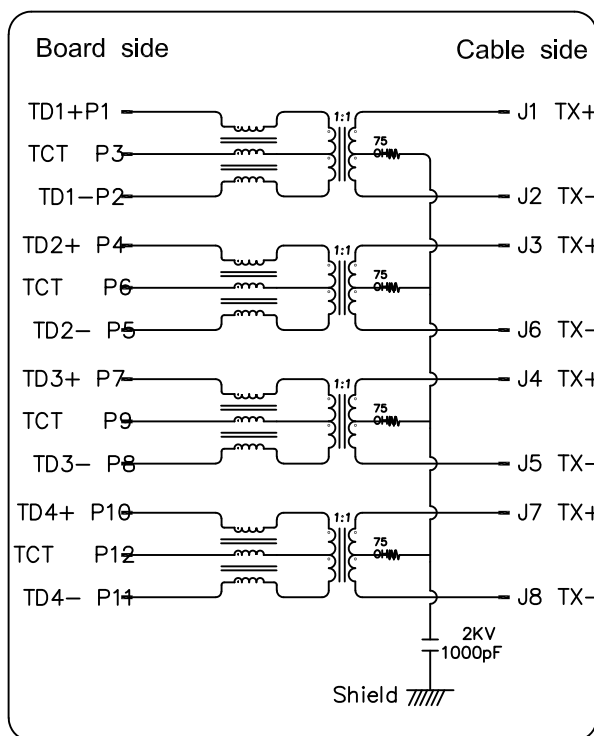
AWO #

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),(P4-P5),(P7-P8),(P10-P11) : 350 uH MIN
6. DCR
 - (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2 OHM MAX
7. HI-POT TEST
 - BOARD SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
8. TURNS RATION 100KHz
 - (P1-P2) : (J1-J2) = 1:1 ±%3
 - (P4-P5) : (J3-J6) = 1:1 ±%3
 - (P7-P8) : (J4-J5) = 1:1 ±%3
 - (P10-P11) : (J7-J8) = 1:1 ±%3

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

INCHES		HOLES	
.X	± .10	ØX	±.10
.XX	± .020	ØXX	±.015
.XXX	± .015	ØXXX	±.010

DRAWN

WX

6/23/21

CHECKED

TY

6/23/21

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MODULAR TELEPHONE JACK, 1 PORT, 8P8C, FULL SHIELDED,
W/LED1 GREEN/YELLOW, LED2 GREEN/YELLOW

SIZE

PART NO.

REF:

S00101C

SCALE: NTS

SHEET 2 OF 2

MTJ-88BAX1-FS-PG-VL16-M329Y

REV:

B