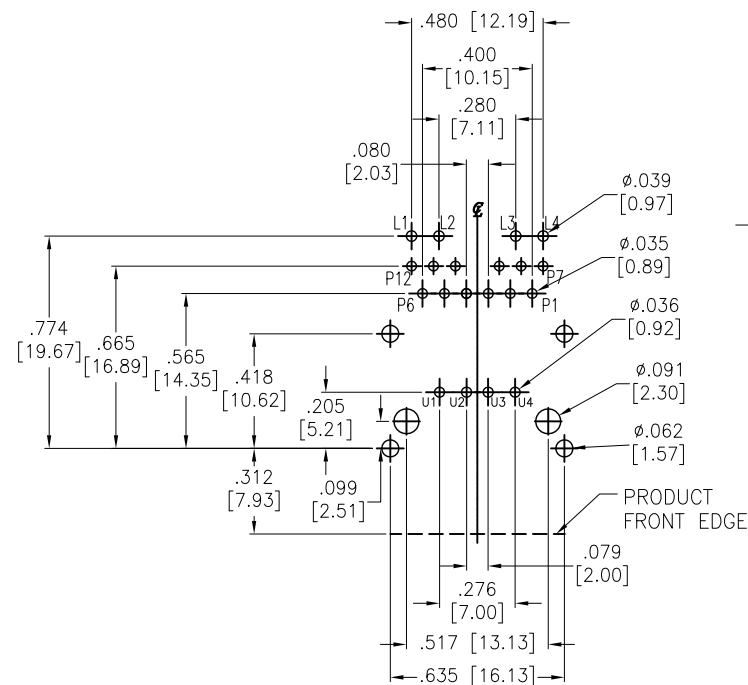


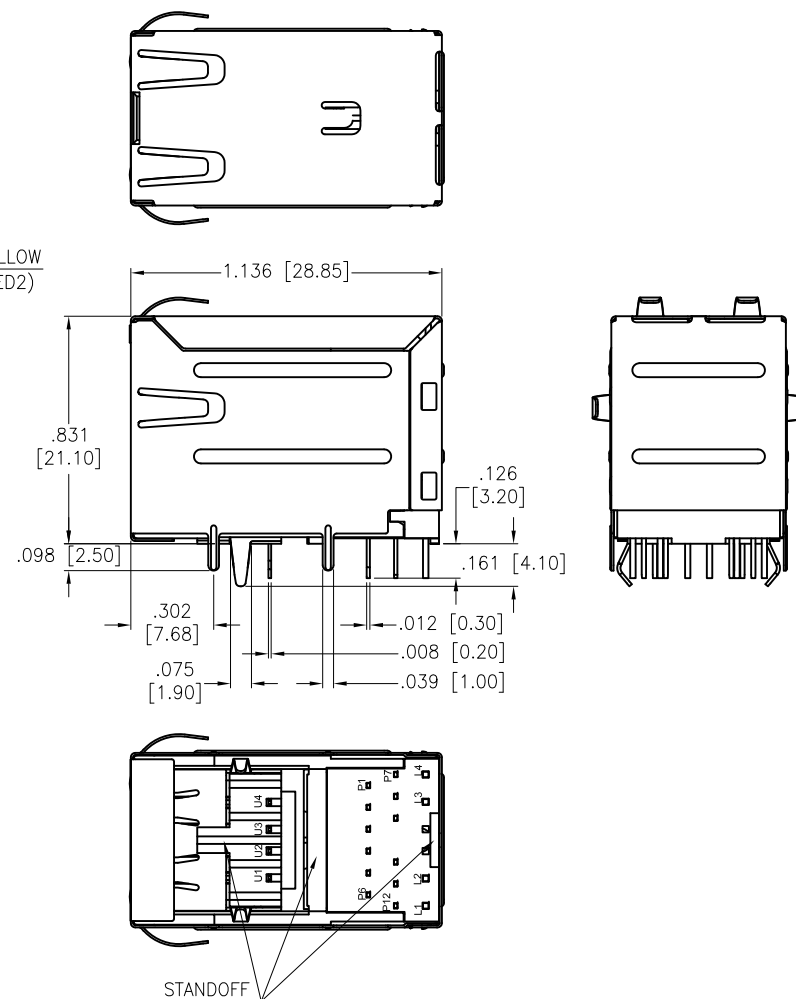
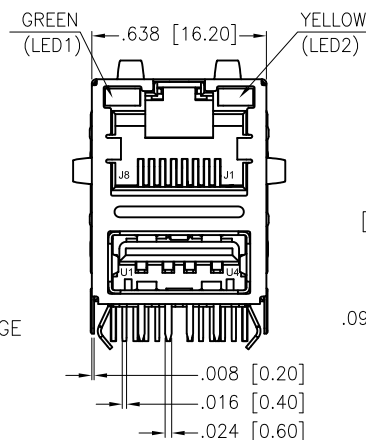
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/9/18	



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

Insulator: Thermoplastic, rated UL 94V-0

Insulator color: Black

RJ Contacts: Phosphor Bronze

Solder Tail: Brass, Tin plated

Shield: Stainless, pre-soldering

Contact Plating:

Flat contact

Gold over Nickel underplate on contact area,

Tin over Copper underplate on solder tails

Round contact

Gold over Nickel underplate overall

Electrical:

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 1,000 VAC 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

APPROVALS		DATE	
DRAWN	HR	8/9/18	
CHECKED	AC	8/9/18	
APPROVED			

TITLE		MODULAR TELEPHONE JACK, 1 PORT, 8P8C RJ45 + USB, W/ LED1 GREEN LED2 YELLOW	
SIZE	PART NO.	REV.	
X	MTJ-USB-88JX1-FS-PG-LH-M49Y	-	
REF:	S00101C	SCALE:	NTS
SHEET		1 OF 2	

ADAM
TECH
INTERCONNECTS

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

6

5

4

3

2

1

APPROVED: _____

DATE: _____ TITLE: _____

Rev

AWO #

Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION

D

D

C

C

B

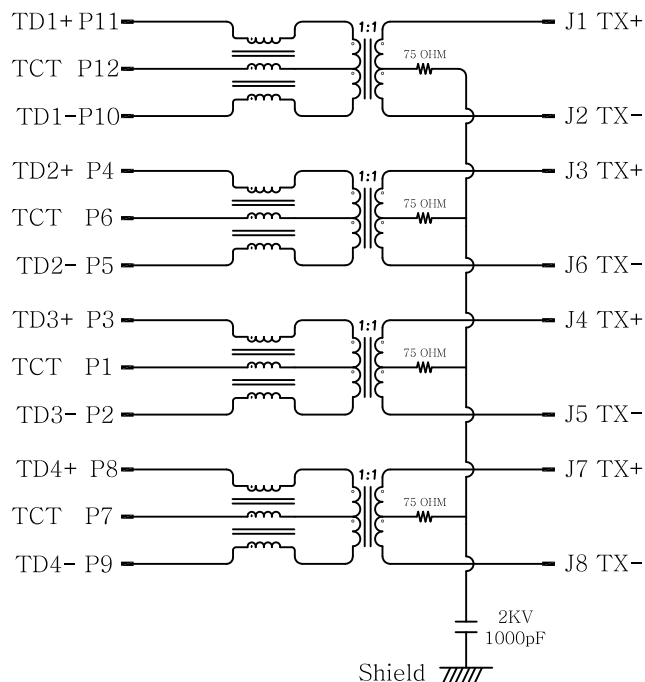
B

A

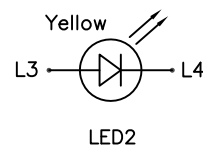
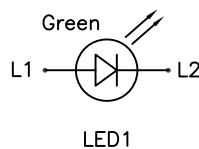
A

Board side

Cable side

**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
 - (P11-P10),(P4-P5),(P3-P2),(P8-P9) : 350 uH MIN
6. DCR
 - (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2 OHM MAX
7. HI-POT TEST
 - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
8. TURNS RATION 100KHz
 - (P11-P10) : (J1-J2) = 1:1 ±%3
 - (P4-P5) : (J3-J6) = 1:1 ±%3
 - (P3-P2) : (J4-J5) = 1:1 ±%3
 - (P8-P9) : (J7-J8) = 1:1 ±%3



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

APPROVALS DATE

DRAWN HR 8/9/18

CHECKED AC 8/9/18

APPROVED

ADAM
TECH
INTERCONNECTS

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

TITLE
MODULAR TELEPHONE JACK, 1 PORT, 8P8C
RJ45 + USB, W/ LED1 GREEN LED2 YELLOW

SIZE	PART NO.	REV.
X	MTJ-USB-88JX1-FS-PG-LH-M49Y	-

REF: S00101C SCALE: NTS SHEET 2 OF 2

6

5

4

3

2

1