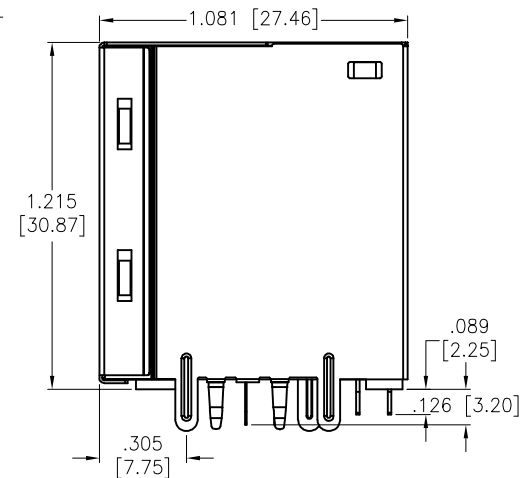
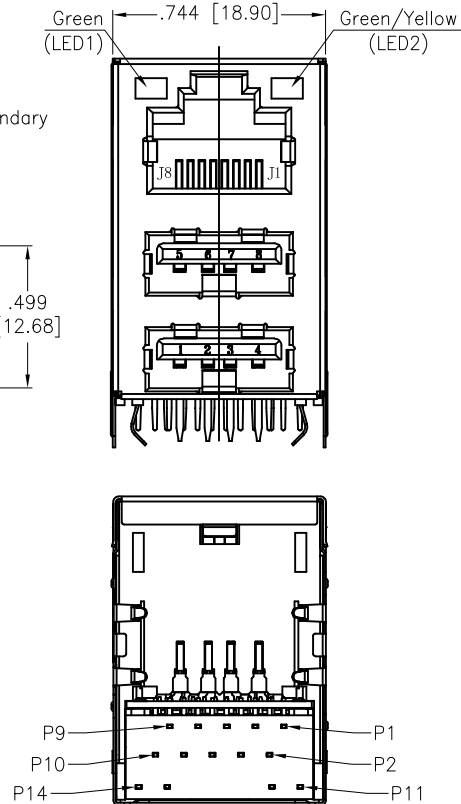
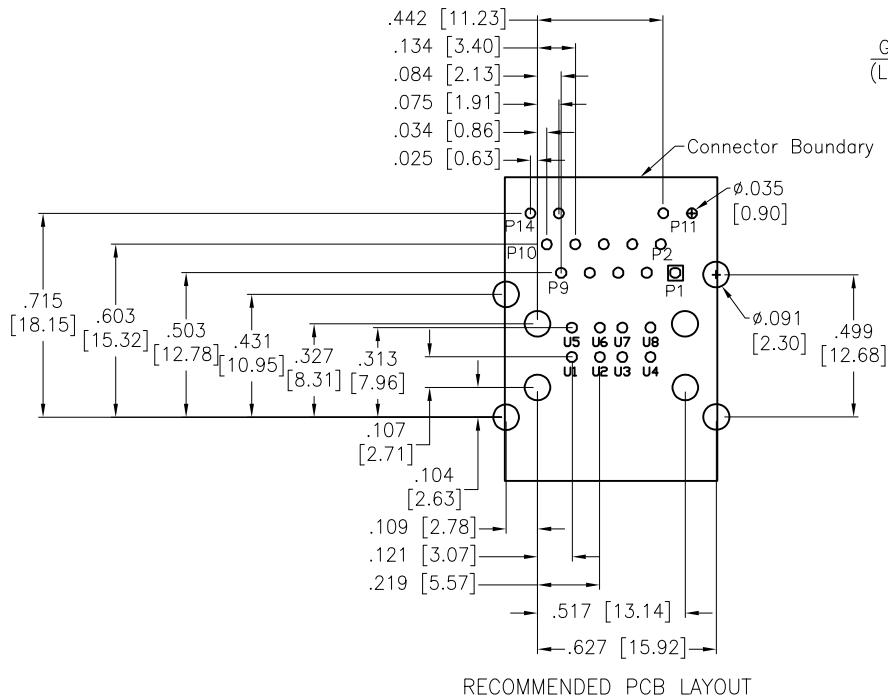


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	3/11/15	
A		UPDATED DRAWING	6/20/17	HR/YC
B		UPDATED SPEC.	4/27/18	AY/MY
C		UPDATED DIM.	5/27/20	AY/RC
D		UPDATED DRAWING	3/26/25	WY/MC



SPECIFICATIONS:

Material:

Insulator: PBT, rated UL 94V-0

Insulator color: Black

Inserters: (LCP)Hi-Temp Thermoplastic, rated UL 94V-0, Color: Black

Contacts: Phosphor Bronze

Shield: Stainless steel, 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: 150 VAC

Contact Resistance: 20 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 2250 VDC

Temperature Rating:

Operating temperature: -40°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	Ø.X ±.10
.XX ±.020	Ø.XX ±.015
.XXX ±.015	Ø.XXX ±.010

DRAWN	HR	3/11/15
CHECKED	WY	3/11/15
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 TELEPHONE JACK, 1 PORT, 8P8C
W/ LED1 GRN, LED2 GRN/YEL, DUAL USB

SIZE X	PART NO. MTJ-DUSB-88JX1-FS-RL35-M86C	REV. D
REF: S00005C	SCALE: NTS	SHEET 1 OF 2

6

5

4

3

2

1

Rev

AWO #

Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION

APPROVED: _____

DATE: _____ TITLE: _____

PHY Side
(Input)

P1

P2

P3

P4

P5

P6

P7

P8

P9

P10

TD1+

TD1-

TD2+

TD2-

TD3+

TD3-

TD4+

TD4-

0.1 uF

0.1 uF

0.1 uF

0.1 uF

1 CT: 1 CT

1 CT: 1 CT

1 CT: 1 CT

1 CT: 1 CT

J1

J2

J3

J6

J4

J5

J7

J8

TR1+

TR1-

TR2+

TR2-

TR3+

TR3-

TR4+

TR4-

75 OHM

75 OHM

75 OHM

75 OHM

CAP 1000 pF 2KV

SHIELD

Cable Side
(RJ45 Output)

P11

P12

P13

P14

240 OHM

240 OHM

G

G

Y

G

Pin	Green	Yellow	Pin	Green
P11	+	-	P13	+
P12	-	+	P14	-

LED SPECIFICATION

STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP
GREEN	575nm	20 mA	6-10V	8V
YELLOW	595nm	20 mA	6-10V	8V

Electronical Specifications:

1. Turn Ratio @100KHz: (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%

2. Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS

3. DC Resistance: 1.2 OHMS MAX

4. Insertion Loss: 1-100MHz -1.0dB MAX

5. Return Loss: 1-40MHz -16dB MIN
40-60MHz -12dB MIN
60-80MHz -10dB MIN
80-100MHz -8dB MIN

6. CROSS TALK: 1-100MHz -30dB MIN

7. COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN

8. Isolation: PHY Side to Line Side: 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

APPROVALS

DATE

3/11/15

DRAWN	HR	3/11/15
CHECKED	WY	3/11/15
APPROVED		

ADAM TECH INTERCONNECTS

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TITLE

MODULAR TELEPHONE JACK, 1 PORT, 8P8C
W/ LED1 GRN, LED2 GRN/YEL, DUAL USB

SIZE	PART NO.	REV.
X	MTJ-DUSB-88JX1-FS-RL35-M86C	D

REF: S00005C

SCALE: NTS

SHEET 2 OF 2

6

5

4

3

2

1

6

5

4

3

2

1