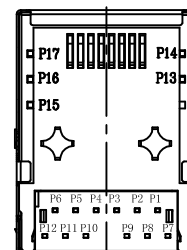
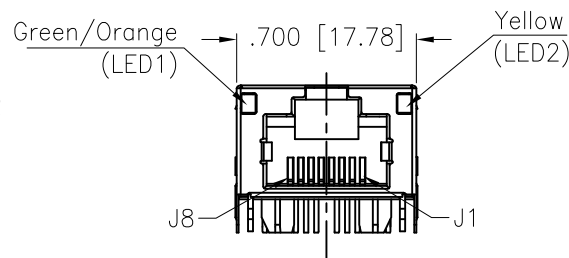
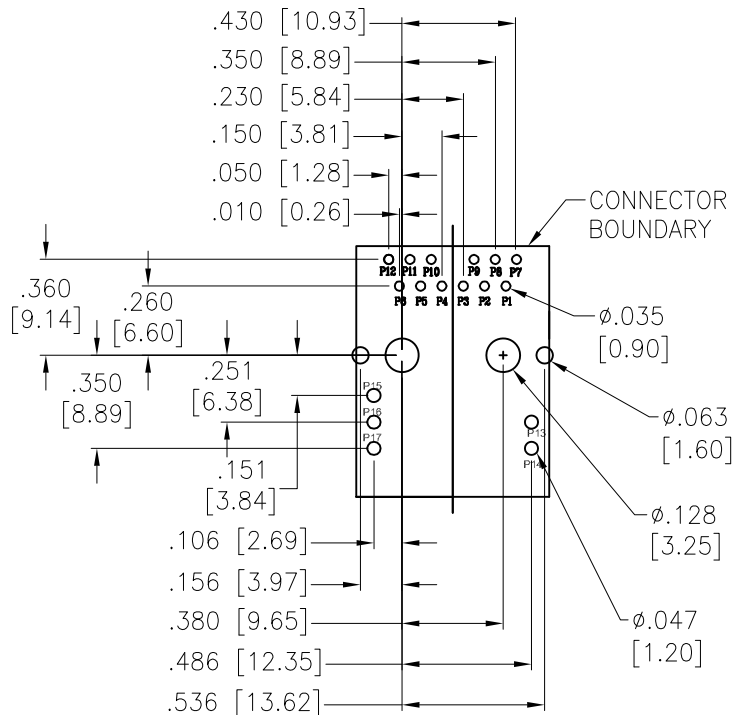


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/12/18	



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

Insulator: 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: 150 VAC

Contact Resistance: 20 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 2,250 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 $\pm .10$ $\phi .X$ $\pm .10$
.XX $\pm .020$ $\phi .XX$ $\pm .015$
.XXX $\pm .015$ $\phi .XXX$ $\pm .010$

APPROVALS		DATE
DRAWN	AY	11/12/18
CHECKED	NL	11/12/18
APPROVED		

ADAM
TECH
INTERCONNECTS

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

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

SIZE	PART NO.	REV.
X	MTJ-88SUX1-FS-VL28-M186C-WOT	-
REF: S00005C		SCALE: NTS
		SHEET 1 OF 2

654321

RevAWO #DescriptionDateAppr

SEE SHT 1 OF 2 FOR REVISION

APPROVED: _____

DATE: _____ TITLE: _____

Circuit Schematic:

MD(0)+ P111CT:1CTJ1 MX(0)+

MDCT(0) P12J2 MX(0)-

MD(0)- P10J3 MX(1)+

MD(1)+ P41CT:1CTJ6 MX(1)-

MDCT(1) P6J4 MX(2)+

MD(1)- P5J5 MX(2)-

MD(2)+ P31CT:1CTJ7 MX(3)+

MDCT(2) P1J8 MX(3)-

MD(2)- P2

MD(3)+ P8

MDCT(3) P7

MD(3)- P9

4*750HMS

1000pF 2kv

Shield

P150

P16G

P17Y

P13Y

P14

Pin	Yellow	Orange	Green
P13	-	P15-	
P14	+	P16+	+
		P17-	-

Electronical Specifications:

1. Turn Ratio @100KHz: (P11~P10):(J1~J2) = 1:1±5%

(P4~P5):(J3~J6) = 1:1±5%

(P3~P2):(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

100-125MHz -1.2dB 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

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W/ LED1 GREEN/ORANGE, LED2 YELLOW

SIZE

PART NO.

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X

MTJ-88SUX1-FS-VL28-M186C-WOT

-

REF: S00005C

SCALE: NTS

SHEET 2 OF 2

654321

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