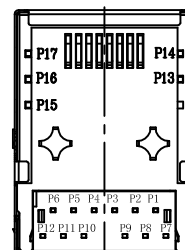
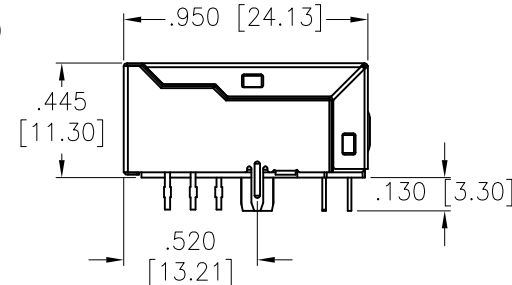
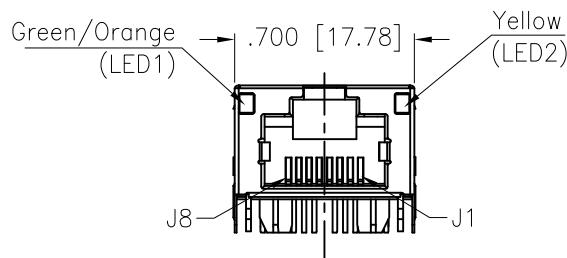
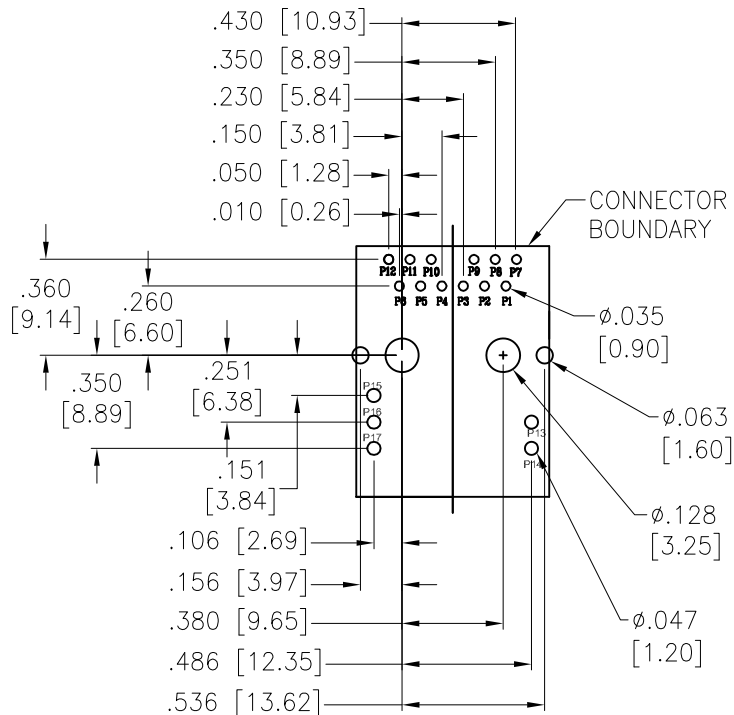


APPROVED: _____
 DATE: _____ TITLE: _____

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	± .10	Ø.X	± .10
.XX	± .020	Ø.XX	± .015
.XXX	± .015	Ø.XXX	± .010

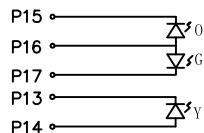
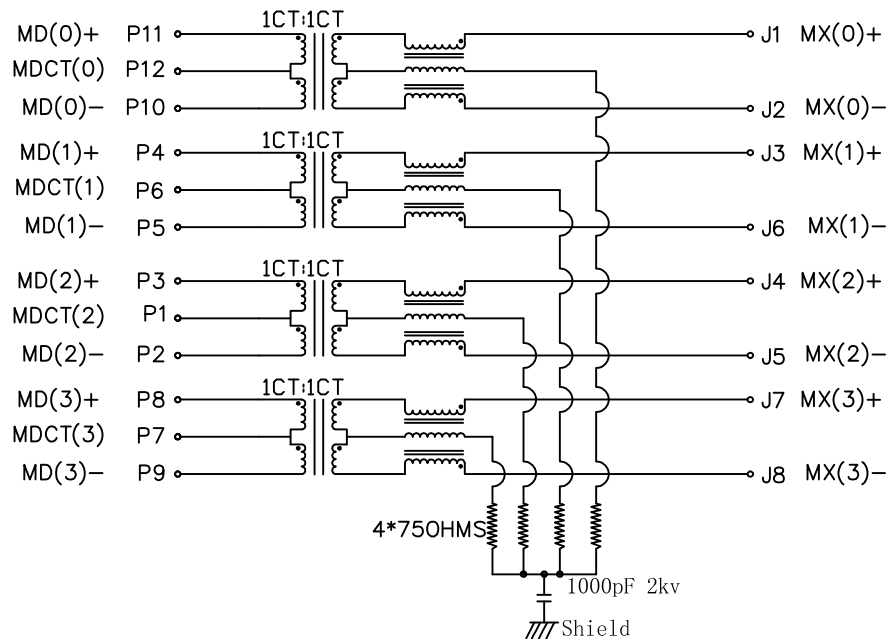
APPROVALS		DATE
DRAWN	AY	11/12/18
CHECKED	NL	11/12/18
APPROVED		

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

APPROVED: _____
DATE: _____ TITLE: _____

Circuit Schematic:



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

Electronical Specifications:

- 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%
- Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- DC Resistance: 1.2 OHMS MAX
- Insertion Loss: 1-100MHz -1.0dB MAX
100-125MHz -1.2dB MAX
- Return Loss: 1-40MHz -16dB MIN
40-60MHz -12dB MIN
60-80MHz -10dB MIN
80-100MHz -8dB MIN
- CROSS TALK: 1-100MHz -30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- 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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REF: S00005C	SCALE: NTS	SHEET 2 OF 2