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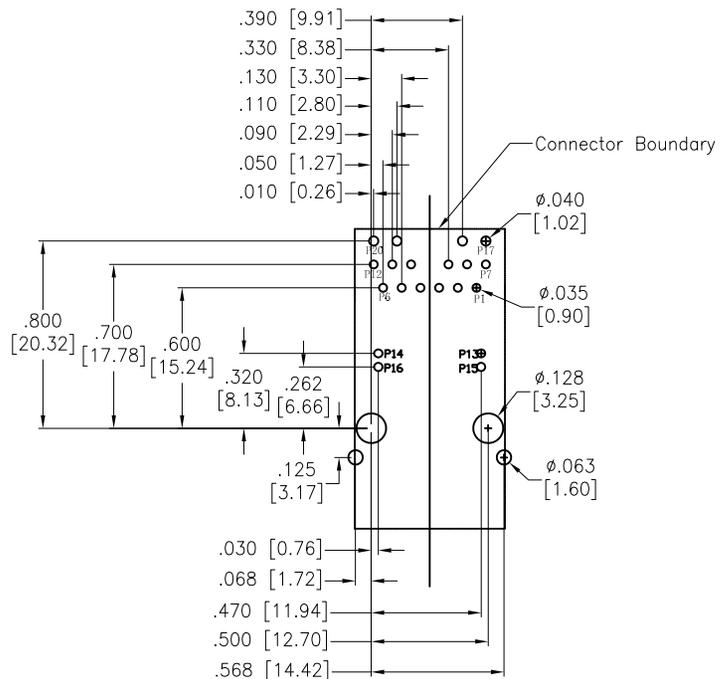
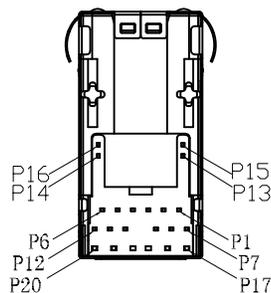
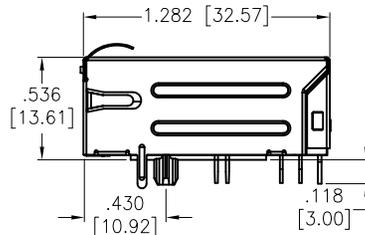
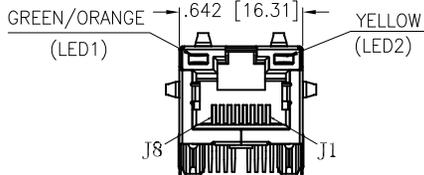
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APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	7/8/21	



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:  
 Insulator: Thermoplastic, rated UL 94V-0, 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: 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	WX	7/8/21
CHECKED	LW	7/8/21
APPROVED		

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

SIZE	PART NO.	REV.
X	MTJ-88CX1-FSP-PG-L29-M70C1-WOT-B	-
REF:	S00005C	SCALE: NTS SHEET 1 OF 2

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APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

Pin	Yellow	Pin	Orange	Green
P17	-	P19	+	-
P18	+	P20	-	+

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  
 120uH MIN @100KHZ,0.1V 19mA 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
- DC CURRENT/VOLTAGE RATING-PSE PINS: 1A @57V(CONTINUOUS)

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

DRAWN	WX	7/8/21
CHECKED	LW	7/8/21
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SIZE	PART NO.	REV.
X	MTJ-88CX1-FSP-PG-L29-M70C1-WOT-B	-
REF:	S00005C	SCALE: NTS SHEET 2 OF 2

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