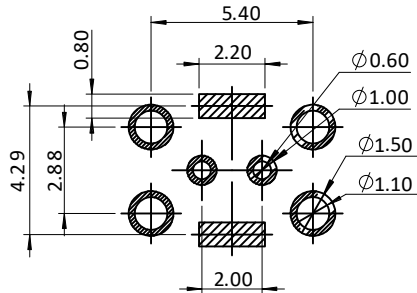


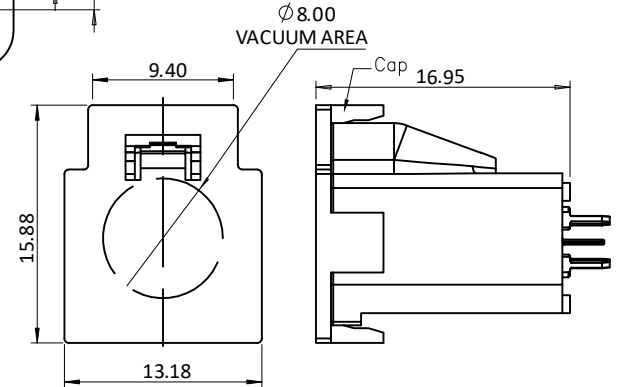
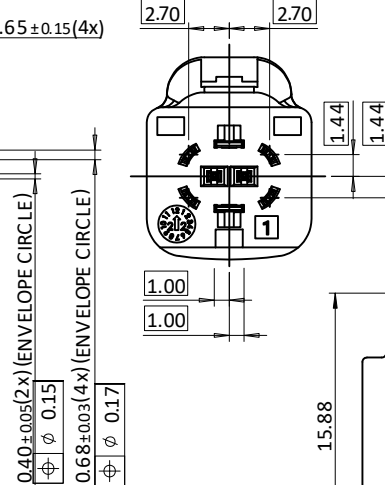
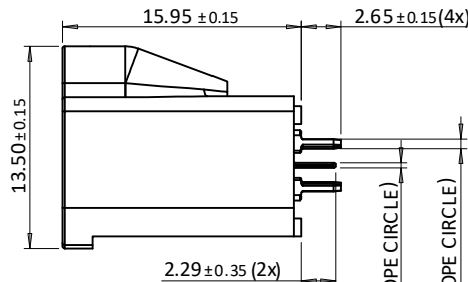
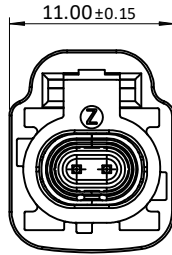
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/5/25	
A		UPDATE SPEC.	9/3/25	WY/RC



RECOMMENDED PCB LAYOUT



HTX-01XSAMC11R

Coding	A	B	C	D	E	F	G
Plug							
Color	Jet Black	Pure White	Light Blue	Claret Violet	May Green	Nut Brown	Platinum Grey
Coding	H	J	K	L	M	O	Z
Plug							
Color	Light Pink	Beige	Curry	Yellow Green	Pastel Orange	Light Green	Water Blue

SPECIFICATIONS:

Material:

Coding Housing: PA, Color: See Coding

Contacts: Copper Alloy

Outer Contacts: Copper Alloy, 80–160u" Matte Tin Plated

Contact Plating:

Contact area: 6u" Gold Plated

Solder tails area: 80–160u" Matte Tin Plated

Underplate: 80–160u" Nickel underplate overall

Electrical:

Impedance: 100Ω

Voltage rating: 335V AC rms

Current rating: 1.5A max

Contact resistance: 10Ω max @20mV max

Insulation resistance: 100MΩ min @100V DC

Dielectric withstanding voltage: 500V AC min

Frequency: DC to 10 GHz

Return loss: ≥30 dB, 0.01 GHz to 3 GHz

≥25 dB, 3 GHz to 6 GHz

≥20 dB, 6 GHz to 10 GHz

≥15 dB, 10 GHz to 15 GHz

≥12 dB, 15 GHz to 20 GHz

Mechanical:

Durability: 25 Cycles

Engagement force: 30 max

Retention force: 110N min

Coding efficiency: 150N Min

Environmental:

Thermal shock & Mechanical shock: USCAR-2 & DIN EN 60512

Humidity & Vibration: USCAR-2 & USCAR-17

DIN EN 60512 & DIN IEC 60068

Soldering: IEC 60068-2

Temperature Rating:

Operating temperature: -40°C to +105°C

Packing:

Standard: 110 pcs in tape & reel

Environmental:

Lead free, RoHS compliant



PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED			ADAM TECH 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 adam-tech.com		
MM	X. ± 0.50 .X ± 0.30 .XX ± 0.20	ANGLE ± 5°			
DRAWN		WY	8/5/25		
CHECKED		RC	8/5/25		
APPROVED					
CONFIDENTIAL AND PROPRIETARY © Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.					

TITLE					
HIGH-SPEED MODULAR TWISTED-PAIR DATA STRAIGHT PLUG 1X1					
SIZE X	PART NO. HTX-01XSAMC11R				REV. A
REF:	S00013T		SCALE: NTS		SHEET 1 OF 1