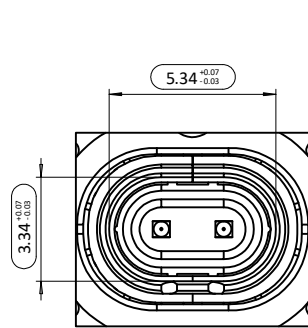


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Rev	AWO #	Description	Date	Appr
-		RELEASED	8/20/25	
A		UPDATE SPEC.	9/3/25	WY/RC



DETAIL A

SPECIFICATIONS:

Material:

Insulator: Hi-Temp Thermoplastic, Color: See page 2

Cap: Hi-Temp Thermoplastic, Color: Black

Contacts: Copper Alloy

Power pins: Copper Alloy, 40–160u" Matte Tin Plated

Outer Contacts: Phosphor Bronze, 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

Return loss: $\geq 30\text{dB}$, 0.01GHz to 3GHz

$\geq 25\text{dB}$, 3GHz to 6GHz

$\geq 20\text{dB}$, 6GHz to 10GHz

Working voltage: $\leq 60\text{V DC}$

Power current : $\leq 1.5\text{A DC}$

Power current MQS pins: $\leq 5\text{A DC}$

Signal contact resistance: $\leq 10\text{m}\Omega$

Outer contact resistance: $\leq 7.5\text{m}\Omega$

Insulation resistance: $\geq 100\text{M}\Omega$ min

Frequency: DC to 10 GHz

Mechanical:

Durability: ≥ 20 Cycles min

Engagement force each High-Speed Modular Twisted-Pair Data: $\leq 15\text{N}$

Engagement force each MQS: $\leq 5\text{N}$

Engagement force: 20N min

Retention force latch: $\geq 110\text{N}$

Coding efficiency: $\geq 80\text{N}$

Environmental:

Thermal shock & Mechanical shock & Humidity & Vibration:

USCAR-2 & TC9, IEC 60068

DIN EN 60512 & DIN IEC 60068

Soldering: IEC 60068-2

Temperature Rating:

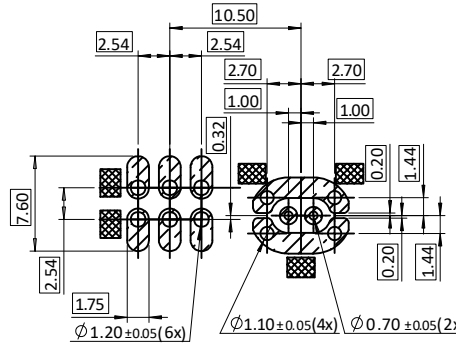
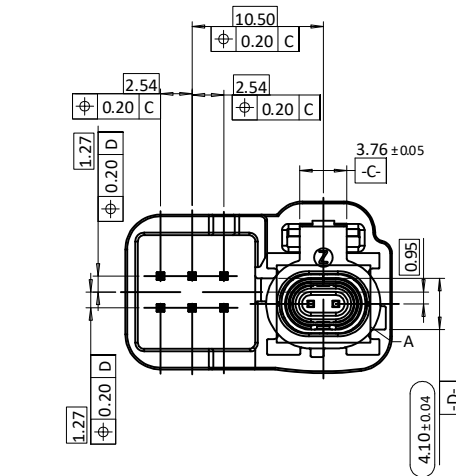
Operating temperature: -40°C to $+105^\circ\text{C}$

Packing:

Standard: 90 pcs in tape & reel

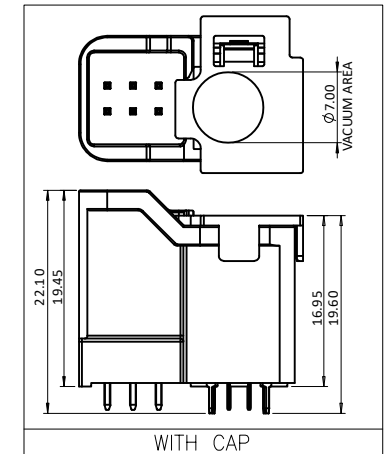
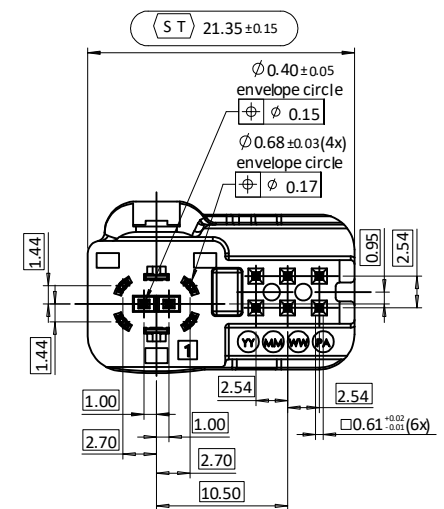
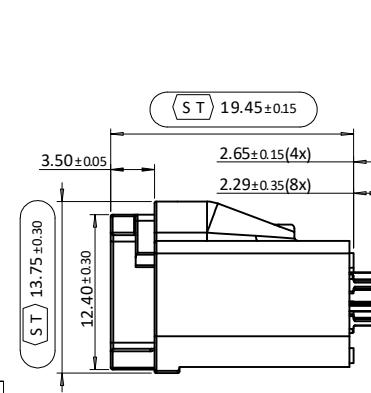
Environmental:

Lead free, RoHS compliant



⊘ SOLDER AREA
⊘ KEEP OUT AREA, FREE OF SOLDER

RECOMMENDED PCB LAYOUT



PACKAGED ON TAPE & REEL

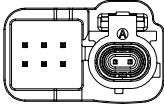
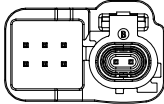
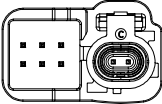
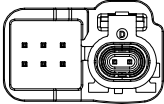
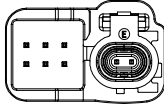
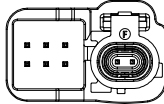
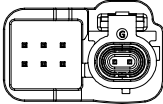
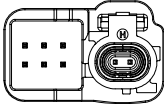
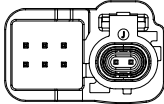
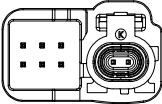
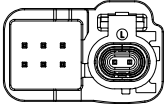
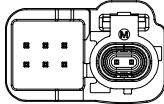
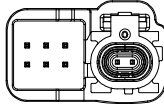
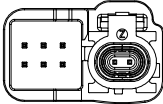
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED				ADAM TECH 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 adam-tech.com		
MM	X. .X .XX	± 0.50 ± 0.30 ± 0.20	ANGLE			± 5°
DRAWN		WY	8/20/25			
CHECKED		RC	8/20/25		TITLE HIGH-SPEED MODULAR TWISTED-PAIR DATA STRAIGHT PLUG 1X1, SINGLE PORT + 6P, W/CAP	
APPROVED						
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SIZE X		PART NO. HTX-01XSKMC11R		REV. A	SHEET 1 OF 2	
REF: S00013T		SCALE: NTS				

APPROVED: _____

DATE: _____ TITLE: _____

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

HTX-01XSKMC11R

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

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM	X.	± 0.50	ANGLE	± 5°
	.X	± 0.30		
	.XX	± 0.20		

DRAWN WY 8/20/25

CHECKED RC 8/20/25

APPROVED

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Phone: 908-687-5000
adam-tech.com

TITLE
HIGH-SPEED MODULAR TWISTED-PAIR DATA STRAIGHT
PLUG 1X1, SINGLE PORT + 6P, W/CAP

SIZE X	PART NO. HTX-01XSKMC11R	REV. A
REF: S00013T	SCALE: NTS	SHEET 2 OF 2