

APPROVED: _____

DATE: _____ TITLE: _____

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

SPECIFICATIONS:

Material:

Coding Housing: PA, Color: See Coding

Inner Housing: Thermoplastic, Color: Black

Contacts: Copper Alloy

Power Pins: Copper Alloy, 80–160u" Tin Plated

Outer Contact: Zinc Alloy, 120–240u" Tin Plated, 120–240u" Nickel

Ground Pin: Copper Alloy, 80–160u" Tin Plated

Contact Plating:

Contact area: 6u" Gold Plated

Solder tails area: 80–160u" Tin Plated

Underplate: 80–160u" Nickel underplate overall

Electrical:

Impedance: 100Ω

Working voltage: ≤60V DC

Power current : ≤1.5A DC

Power current mqs pins: ≤5A DC

Signal contact resistance: ≤10mΩ

Outer contact resistance: ≤7.5mΩ

Insulation resistance: 100MΩ 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 & Humidity & Vibration:

USCAR–2 & USCAR–17

DIN EN 60512 & DIN IEC 60068

Soldering: IEC 60068–2

Temperature Rating:

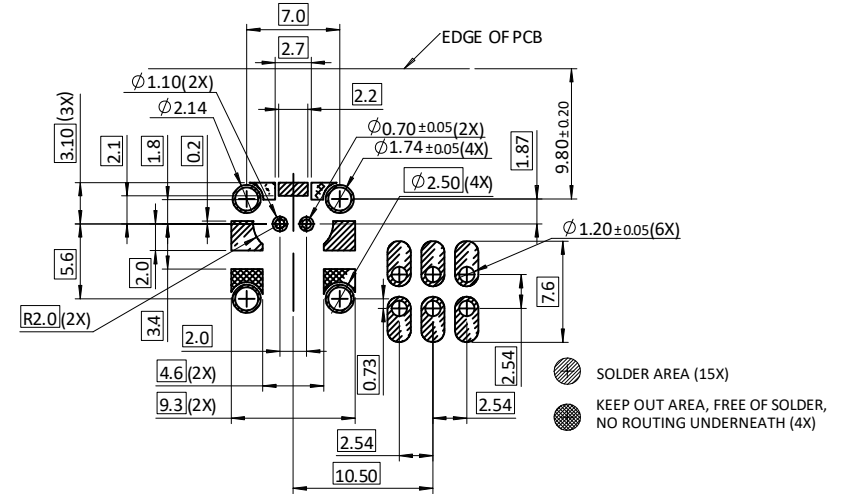
Operating temperature: –40°C to +105°C

Packing:

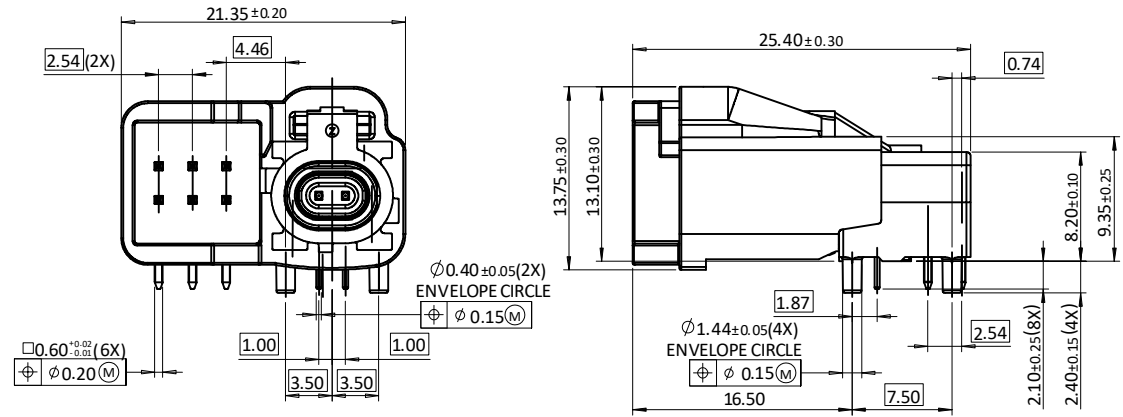
Standard: 100 pcs in tape & reel

Environmental:

Lead free, RoHS compliant



RECOMMENDED PCB LAYOUT



PACKAGED ON TAPE & REEL

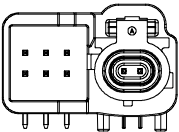
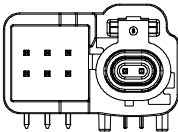
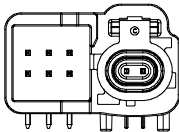
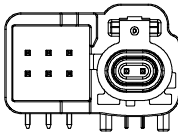
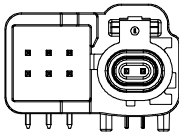
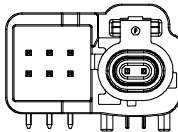
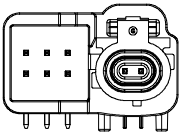
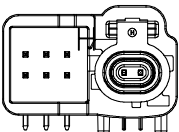
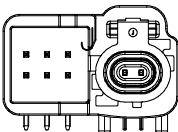
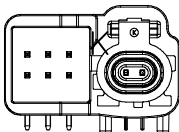
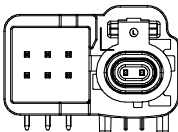
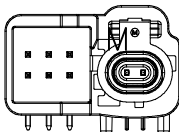
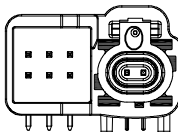
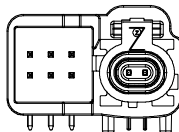
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED				ADAM TECH		909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 adam-tech.com	
MM	X. ± 0.50 .X ± 0.30 .XX ± 0.20	ANGLE	± 5°				
DRAWN		WY	8/5/25				
CHECKED		RC	8/5/25				
APPROVED							
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SIZE X		PART NO. HTX-01XSLLC11R		REV. A			
REF: S00013T		SCALE: NTS		SHEET 1 OF 2			

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

HTX-01XSLLC11R

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

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ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

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

DRAWN WY 8/5/25

CHECKED RC 8/5/25

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TITLE
HIGH-SPEED MODULAR TWISTED-PAIR DATA
RIGHT ANGLE PLUG 1X1, SINGLE PORT+6 PIN

SIZE X	PART NO. HTX-01XSLLC11R	REV. A
REF: S00013T	SCALE: NTS	SHEET 2 OF 2