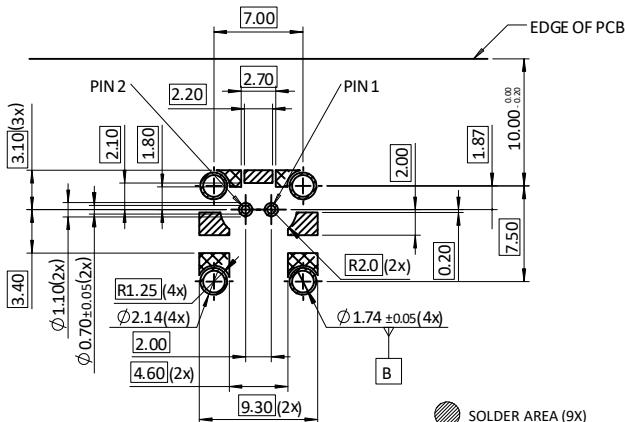


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	7/16/24	
A		UPDATE SPEC.	9/3/25	WY/RC

**C SPECIFICATIONS:**

RECOMMENDED PCB LAYOUT

Material: Coding Housing: PA, Color: See Chart
 Inner Housing: Thermoplastic, Color: Black

Contacts: Copper Alloy
 Outer Contact: Zinc Alloy, 120–240 μ " Matte Tin Plated
 Ground Pin: Copper Alloy, 80–160 μ " Matte Tin Plated

Contact Plating:

Contact area: 6 μ " Gold Plated
 Solder tails area: 80–160 μ " Matte Tin Plated
 Underplate: 80–160 μ " Nickel underplate overall

Electrical:

Voltage rating: 60V DC Max
 Current rating: 1.5A max
 Contact resistance: 10 mohms max
 Insulation resistance: 100 Mohms min
 Dielectric withstanding voltage: 250V rms
 Impedance, differential mode: 100 Ω
 Frequency Range: DC to 10 GHz
 Return loss: \geq 30 dB, 0.01 GHz to 3 GHz
 \geq 25 dB, 3 GHz to 6 GHz
 \geq 20 dB, 6 GHz to 10 GHz
 \geq 15 dB, 10 GHz to 15 GHz
 \geq 12 dB, 15 GHz to 20 GHz

Mechanical:

Durability: 25 Cycles
 Engagement force: 30 max
 Retention force: 110N min

Environmental:

Thermal shock & Mechanical shock & Humidity & Vibration:
 USCAR-2 & USCAR-17

DIN EN 60512 & DIN IEC 60068

Soldering: IEC 60068-2

Temperature Rating:

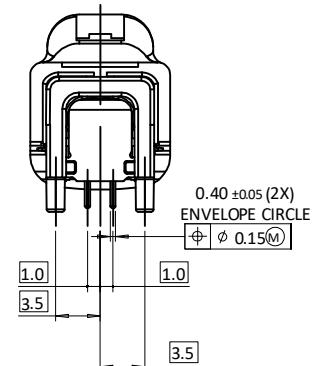
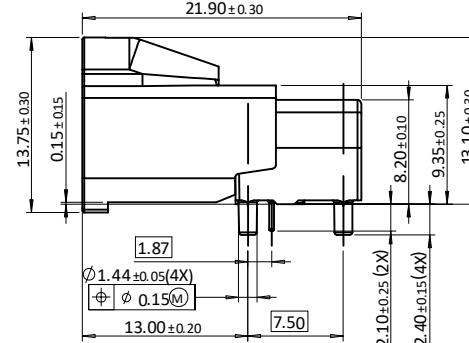
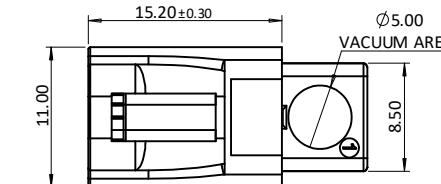
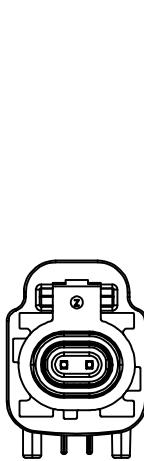
Operating temperature: -40°C to +105°C

Packing:

Standard: 160 pcs in tape & reel

Environmental:

Lead free, RoHS compliant



HTX-01XSBL1R

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

PACKAGED ON TAPE & REEL

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

X	\pm 0.50	X	\pm 0.30	ANGLE	\pm 5°
.XX	\pm 0.20				

DRAWN LH 7/16/24

CHECKED SC 7/16/24

APPROVED

ADAM
TECH

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 Union, NJ 07083
 Phone: 908-687-5000
 adam-tech.com
TITLE
**HIGH-SPEED MODULAR TWISTED-PAIR DATA
 RIGHT ANGLE PLUG 1X1**

SIZE	PART NO.	REV.
X	HTX-01XSBL1R	A
REF: S00013T	SCALE: NTS	SHEET 1 OF 1