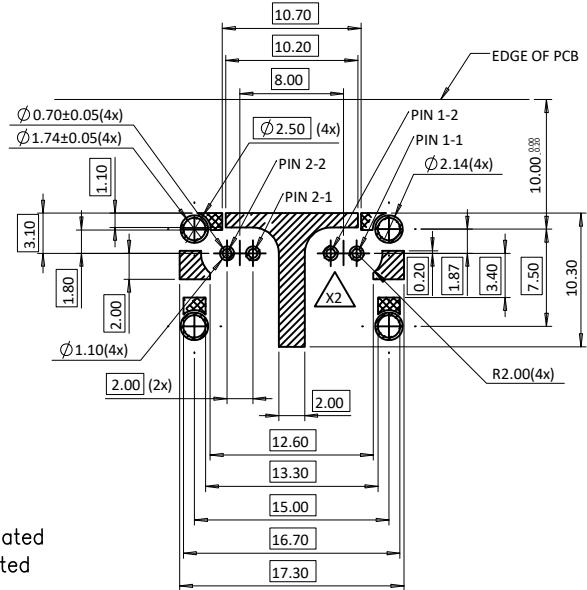


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	3/29/21	
A		UPDATE DRAWING	9/11/24	LH/JL
B		UPDATE DRAWING	7/11/25	WY/RC
C		UPDATE SPEC.	9/3/25	WY/RC

D



RECOMMENDED PCB LAYOUT

- SOLDER AREA (11x)
- NO COMPONENT AREA
- KEEP OUT AREA, FREE OF SOLDER, NO ROUTING UNDERNEATH (4x)
- NO TRACE, NO TEST POINT, NO VIA HOLE, NO GROUND AREA

SPECIFICATIONS:**Material:**

Coding Housing: PA, Color: See Page2
 Inner Housing: Thermoplastic, Color: Black
 Contacts: Copper Alloy
 Outer Contact: Zinc Alloy, 120–240 μ " Tin Plated
 Ground Pin: Copper Alloy, 80–160 μ " Tin Plated
 Contact Plating:

Contact area: 6 μ " Gold PlatedSolder tails area: 80–160 μ " Tin PlatedUnderplate: 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, differentail mode: 100 Ω

Frequency Range: 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: 75N 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

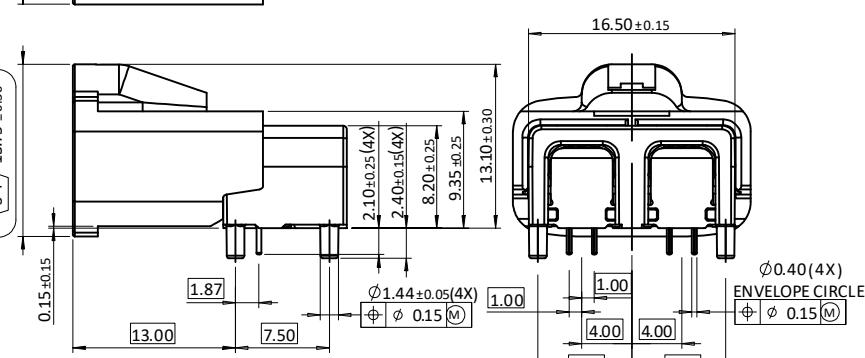
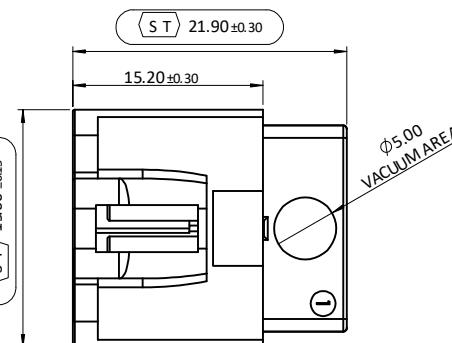
Soldering: IEC 60068-2

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

Standard: 100 pcs in tape & reel

Environmental:

Lead free, RoHS compliant



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

X	± 0.50	X	± 0.30	ANGLE	$\pm 5^{\circ}$
XX	± 0.20				

DRAWN LH 3/29/21

CHECKED RT 3/29/21

APPROVED

ADAM
TECH

 909 Rahway Avenue,
 Union, NJ 07083
 Phone: 908-687-5000
 adam-tech.com

 TITLE: HIGH-SPEED MODULAR TWISTED-PAIR DATA
 RIGHT ANGLE PLUG 2X2

SIZE	PART NO.	REV.
X	HTX-02XDBLC1R	C
REF:	S00013T	SCALE: NTS
		SHEET 1 OF 2

APPROVED: _____

DATE: _____ TITLE: _____

SEE SHT 1 OF 2 FOR REVISION

HTX-02XDBLC1R

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

DRAWN LH 3/29/21

CHECKED RT 3/29/21

APPROVED

**ADAM
TECH**909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.comTITLE
**HIGH-SPEED MODULAR TWISTED-PAIR DATA
RIGHT ANGLE PLUG 2X2**SIZE PART NO. REV.
X HTX-02XDBLC1R C

REF: S00013T SCALE: NTS SHEET 2 OF 2

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