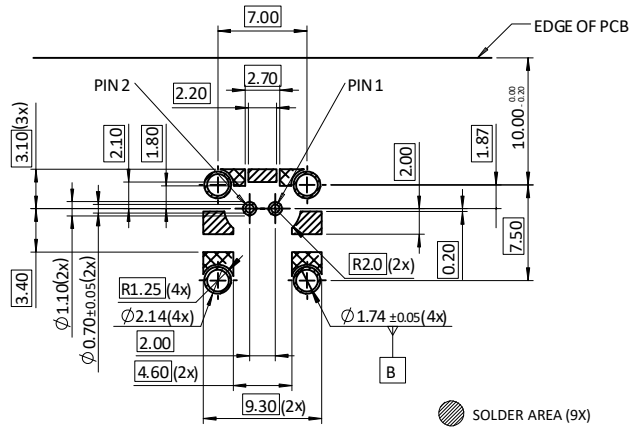
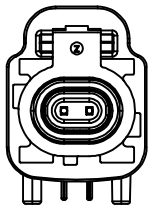
APPROVED: _____

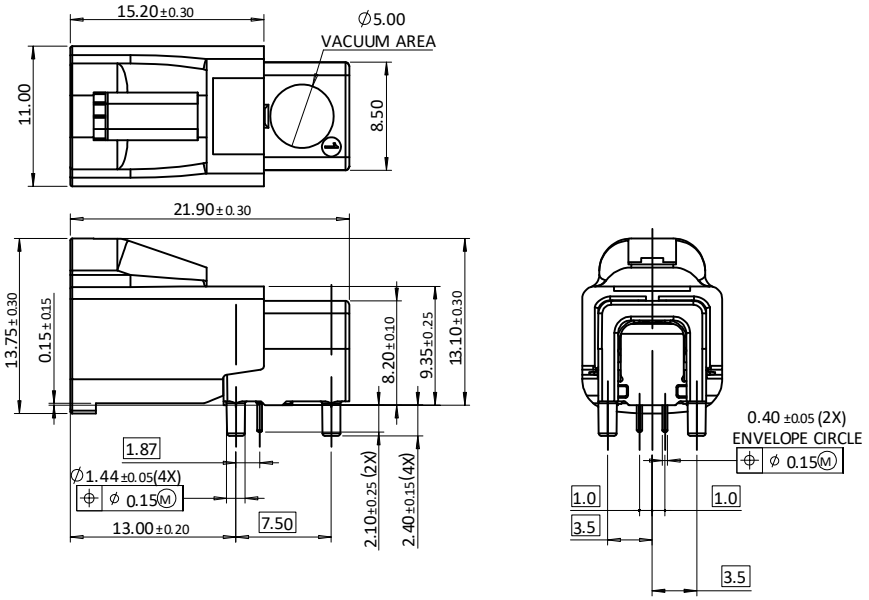
DATE: _____ TITLE: _____

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



RECOMMENDED PCB LAYOUT





SPECIFICATIONS:

Material:

Coding Housing: PA, Color: See Chart
Inner Housing: Thermoplastic, Color: Black
Contacts: Copper Alloy
Outer Contact: Zinc Alloy, 120–240u" Matte Tin Plated
Ground Pin: 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:

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: 100Ω
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: 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 RoHS COMPLIANT

HTX–01XSBLC1R

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

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

DRAWN	LH	7/16/24
CHECKED	SC	7/16/24
APPROVED		

METABEE

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METABEE

TITLE: HIGH-SPEED MODULAR TWISTED-PAIR DATA RIGHT ANGLE PLUG 1X1

SIZE	PART NO.	REV.
X	HTX-01XSBLC1R	A

REF:	SCALE:	SHEET
S00013T	NTS	1 OF 1