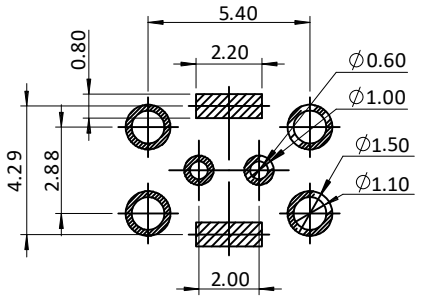
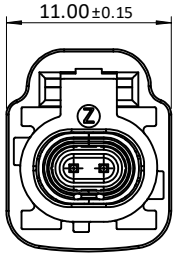
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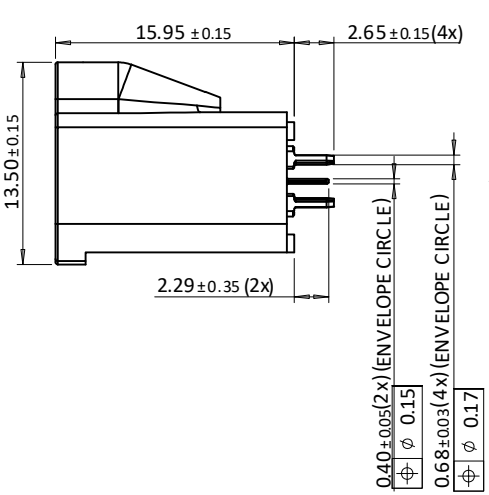
DATE: _____ TITLE: _____

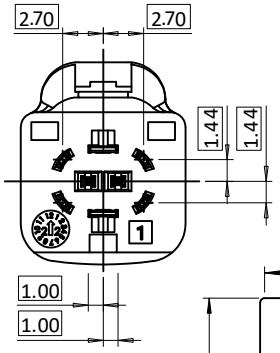
Rev	AWO #	Description	Date	Appr
-		RELEASED	8/5/25	
A		UPDATE SPEC.	9/3/25	WY/RC

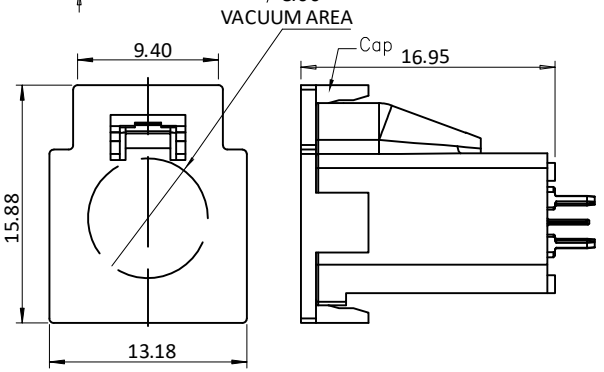


RECOMMENDED PCB LAYOUT









SPECIFICATIONS:

Material:
Coding Housing: PA, Color: See Coding
Contacts: Copper Alloy
Outer Contacts: 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:
Impedance: 100Ω
Voltage rating: 335V AC rms
Current rating: 1.5A max
Contact resistance: 10Ω max @20mV max
Insulation resistance: 100MΩ min @100V DC
Dielectric withstanding voltage: 500V AC 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: USCAR–2 & DIN EN 60512
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: 110 pcs in tape & reel

Environmental:
Lead free, RoHS compliant RoHS COMPLIANT

HTX–01XSAMC11R

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

DRAWN	WY	8/5/25
CHECKED	RC	8/5/25
APPROVED		

METABEE

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METABEE

TITLE
HIGH-SPEED MODULAR TWISTED-PAIR DATA STRAIGHT PLUG 1X1

SIZE	PART NO.	REV.
X	HTX-01XSAMC11R	A

REF:	SCALE:	SHEET
S00013T	NTS	1 OF 1