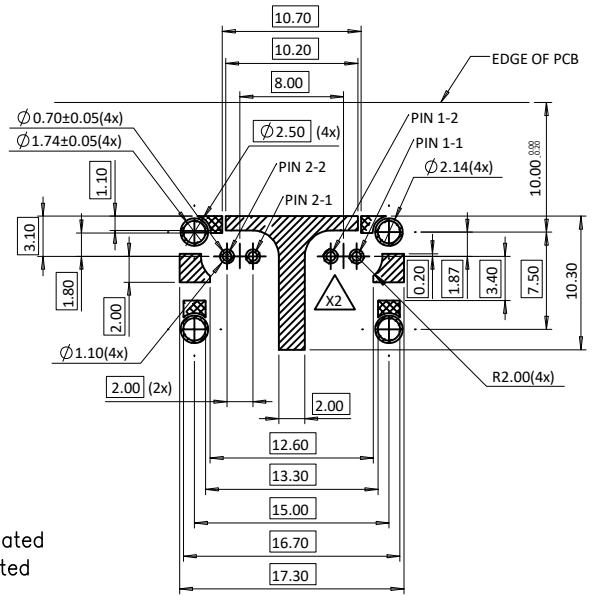
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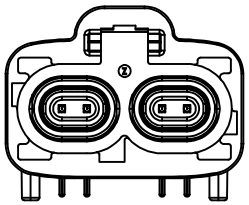
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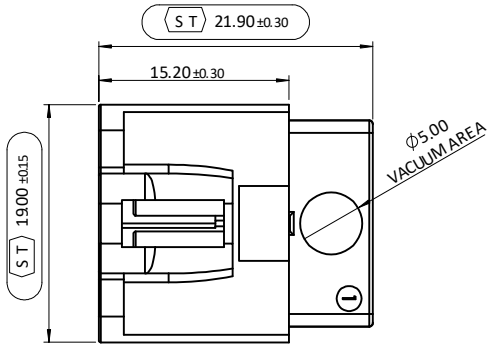
Rev	AWO #	Description	Date	Appr
-		RELEASED	3/29/21	
A		UPDATE DRAWING	9/11/24	LH/JL
B		UPDATE DRAWING	7/11/25	WY/RC
C		UPDATE SPEC.	9/3/25	WY/RC

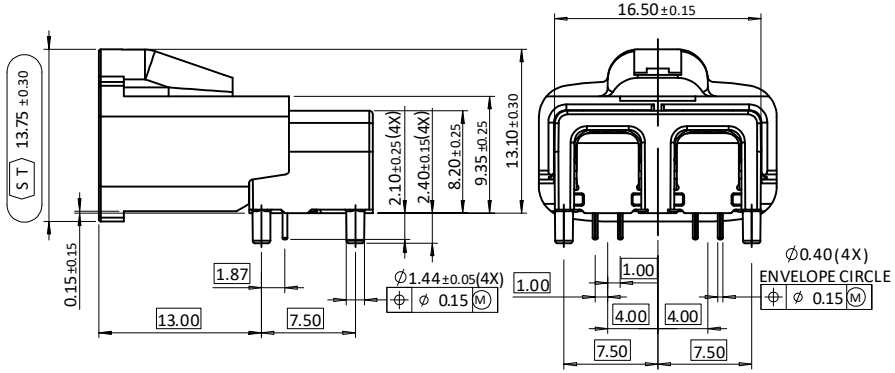


RECOMMENDED PCB LAYOUT

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, 120–240u" Tin Plated
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:
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: 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°C

Packing:
Standard: 100 pcs in tape & reel

Environmental:
Lead free, RoHS compliant RoHS COMPLIANT

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	3/29/21
CHECKED	RT	3/29/21
APPROVED		

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Tel: +8615926241606 E-mail: Sales@metabeeai.com

METABEE

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

SIZE	PART NO.	REV.
X	HTX-02XDBLC1R	C

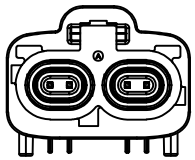
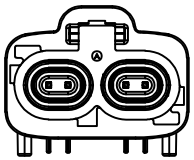
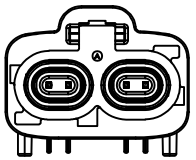
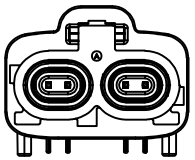
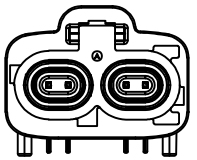
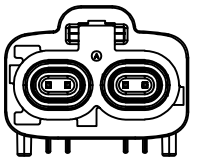
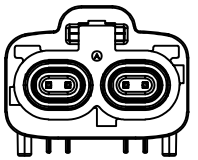
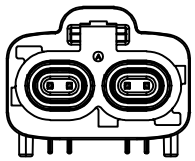
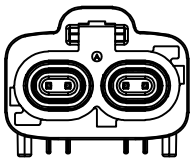
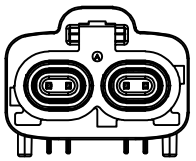
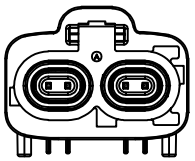
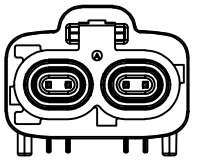
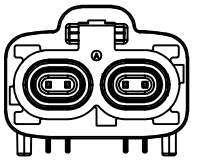
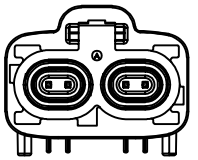
REF: S00013T | SCALE: NTS | SHEET 1 OF 2

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

APPROVED: _____

DATE: _____ TITLE: _____

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 NOTED

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

DRAWN	LH	3/29/21
CHECKED	RT	3/29/21
APPROVED		

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METABEE

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

SIZE	PART NO.	REV.
X	HTX-02XDBLC1R	C

REF:	SCALE:	SHEET
S00013T	NTS	2 OF 2