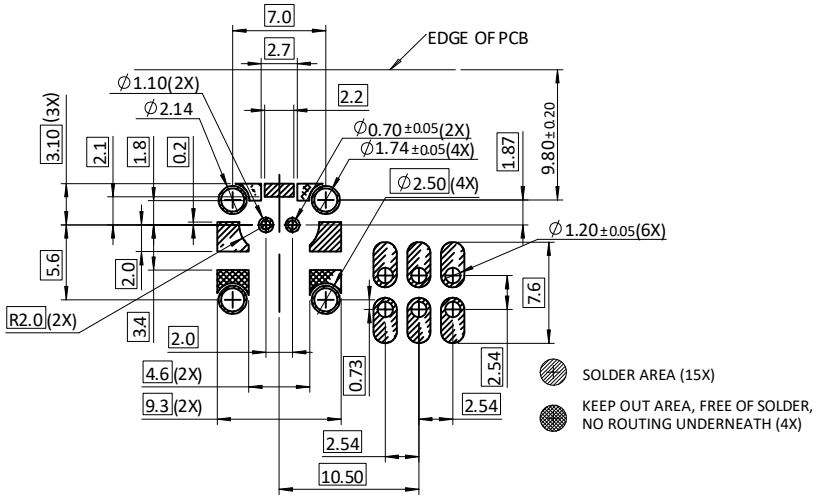
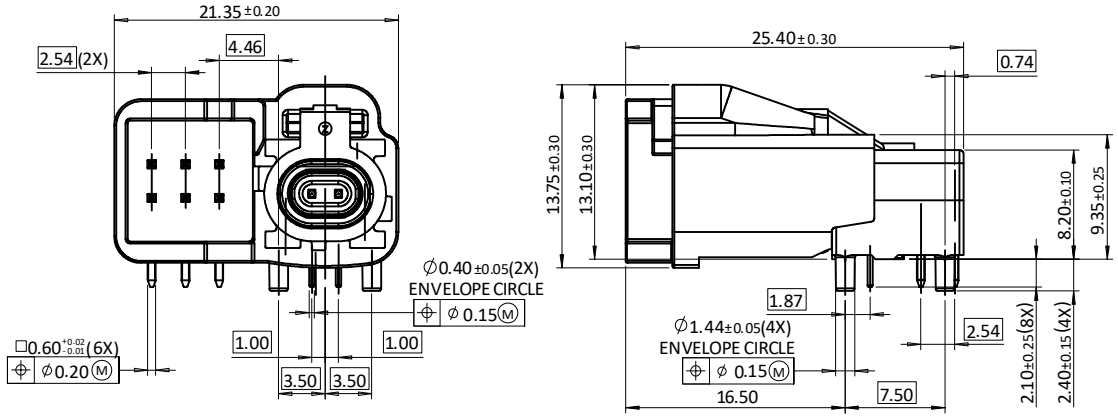
APPROVED: _____

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
Inner Housing: Thermoplastic, Color: Black
Contacts: Copper Alloy
Power Pins: Copper Alloy, 80−160u" Tin Plated
Outer Contact: Zinc Alloy, 120−240u" Tin Plated, 120−240u" Nickel
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:

Impedance: 100Ω
Working voltage: ≦60V DC
Power current : ≦1.5A DC
Power current mqs pins: ≦5A DC
Signal contact resistance: ≦ 10mΩ
Outer contact resistance: ≦ 7.5mΩ
Insulation resistance: 100MΩ 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 & 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

PACKAGED ON TAPE & REEL

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

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

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

METABEE
Metabee (Chengdu) Technology Co., Ltd.
Tel: +8615926241606 E-mail: Sales@metabeeai.com

METABEE

TITLE: HIGH-SPEED MODULAR TWISTED-PAIR DATA RIGHT ANGLE PLUG 1X1, SINGLE PORT+6 PIN

SIZE	PART NO.	REV.
X	HTX-01XSLLC11R	A

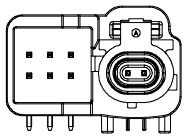
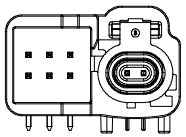
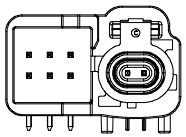
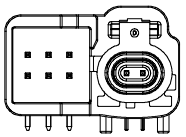
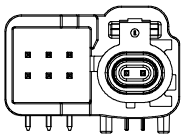
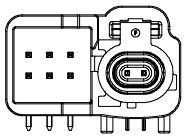
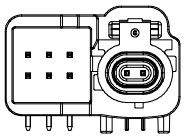
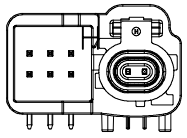
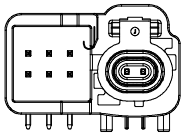
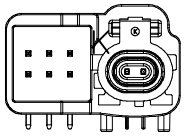
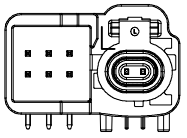
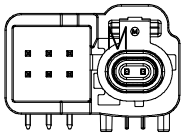
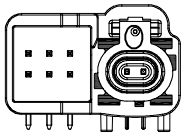
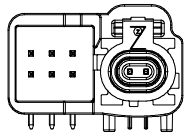
REF:	SCALE:	SHEET
S00013T	NTS	1 OF 2

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

APPROVED: _____

DATE: _____ TITLE: _____

HTX-01XSLLC11R

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

METABEE

Metabee (Chengdu) Technology Co., Ltd.

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

METABEE

TITLE: HIGH-SPEED MODULAR TWISTED-PAIR DATA RIGHT ANGLE PLUG 1X1, SINGLE PORT+6 PIN

SIZE	PART NO.	REV.
X	HTX-01XSLLC11R	A

REF:	SCALE:	SHEET
S00013T	NTS	2 OF 2