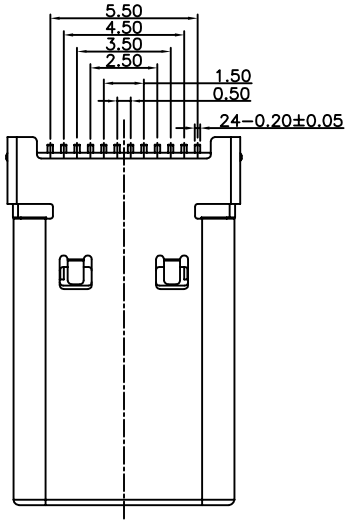
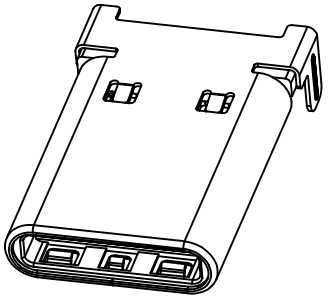
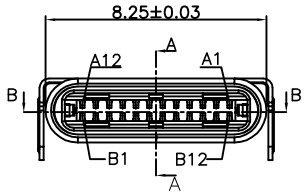
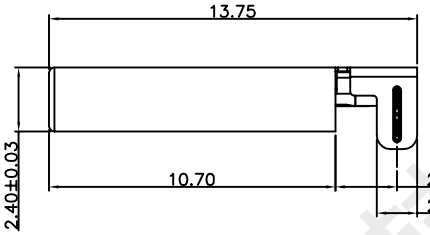
RoHS Compliant

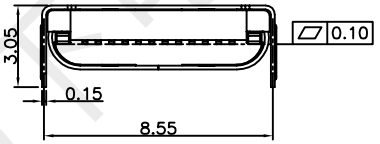
REV.	ZONE	DESCRIPTION	DESIGN	DATE
B	---	PIN DEFINTION CHANGE		2025.03.10
C	---	UPGRADE DRAWING		2025.10.31

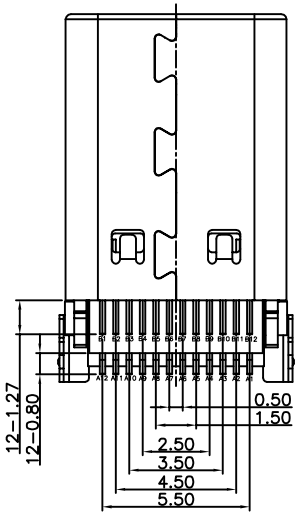












NOTE:
1.MATERIAL SPECIFICATION:
1-1.HOUSING: LCP,BLACK,UL94 V-0.
1-2.CONTACTS: C7025 T=0.15
1-3.LATCH: SUS301 T=0.40
1-4.SHELL: SUS304 T=0.15;
1-5.EMI: SUS301 T=0.10;
1-6.COVER: LCP,BLACK,UL94 V-0.
2.PLATING SPECIFICATION:
2-1.CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au1u" PLATED ON THE FUNCTIONAL AREA OF CONTACT.
80u" MIN SN PLATED ON SOLDER AREA.
2-2.SHELL:
Ni 30u" MIN. UNDER PLATED OVER ALL.
2-3.LATCH:
Plating 30u"min Nickel under overallon solder SN 80u"Min.
2-4.EMI:
CLEAN
3.MECHANICAL PERFORMANCE,
3-1.INSERTION FORCE: 5N~20N.
3-2.REMOVAL FORCE: 8N~20N.
3-3.DURABILITY: 10000 CYCLES.
4.ELECTRICAL PERFORMANCE,
4-1. CURRENT RATING: 5.0A
VOLTAGE RATING: 5.0V
4-2.INSULATION RESISTANCE: 100MΩ MIN.
4-3.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
4-4.LOW CONTACT RESISTANCE: INITIAL 40mΩ AFTER 50mΩ
5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -40°C~+85°C.
6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

PIN ASSIGNMENT:

A1	GND	B12	GND
A2	SSTXP1	B11	SSRXP1
A3	SSTXN1	B10	SSRXN1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXN2	B3	SSTXN2
A11	SSRXP2	B2	SSTXP2
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

X.	±0.50	X.°	± 2°
.X	±0.30	.X°	± 1°
.XX	±0.20	.XX°	± 0.5°
.XXX	± 0.10		

UNITS: mm
MAT'L:
FINISH:
Q'TY:

深圳市韩下电子有限公司

TITLE: HX TYPE C-M 24P RA-ST type-c Connector

APPD: 罗小春
CHKD: 张伟
DR: 黄彬

PART NO.:

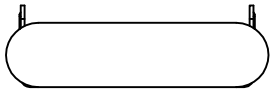
SCALE	SHEET	REV.
1/1	1/3	C

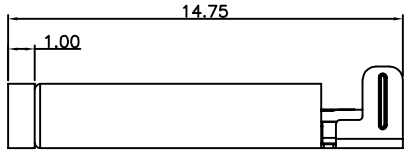
深圳市韩下电子有限公司

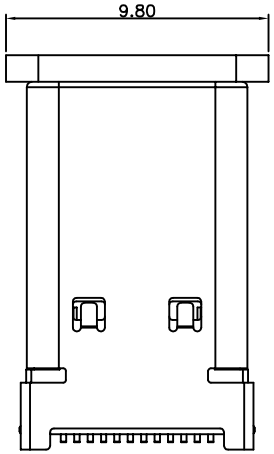
RoHS Compliant

Process Capable

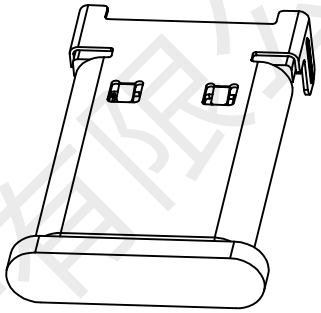
REV.	ZONE	DESCRIPTION	DESIGN	DATE
B	---	PIN DEFINTION CHANGE		2025.03.10
C	---	UPGRADE DRAWING		2025.10.31

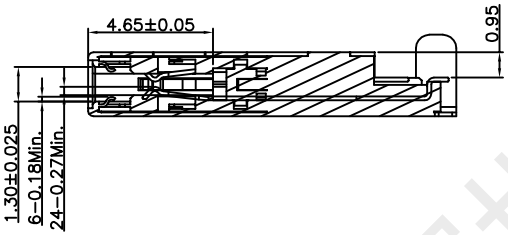




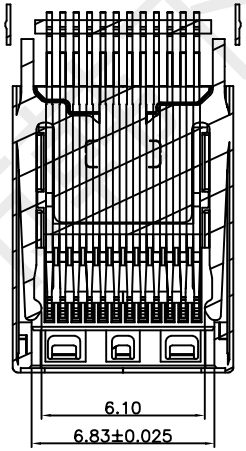


suction cover view

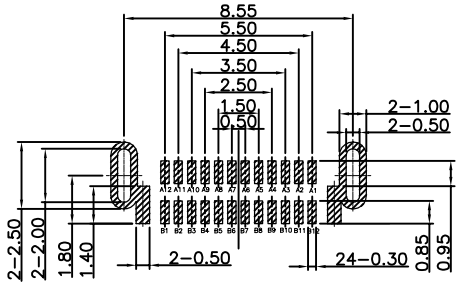




SECTION: A-A
SCALE 1:1



SECTION: B-B
SCALE 1:1



RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

X.	±0.50	X.°	± 2°
.X	±0.30	.X°	± 1°
.XX	±0.20	.XX°	± 0.5°
.XXX	± 0.10		

UNITS: mm
MAT'L:
FINISH:
Q'TY:

深圳市韩下电子有限公司

TITLE: HX TYPE C-M 24P RA-ST type-c Connector

APPD: 罗小春
CHKD: 张伟
DR: 黄彬

PART NO.:

SCALE	SHEET	REV.
1/1	2/3	C

深圳市韩下电子有限公司

深圳市韩下电子有限公司
Shenzhen Hanxia Electronic Co., Ltd
Tel: 0755-23086569

承　认　书

SPECIFICATION FOR APPROVAL

产 品 编 码
Material code: _____

产品名称 Project：USB连接器

规格型号 Part No：HX TYPE C-M 24P RA-ST type-c Connector

贵公司承认印 Approal slgnatures

料 号/Part No.	签　章/Signatures

日期 Date:

拟制/Drawn	黄彬	深圳市韩下电子有限公司 工程专用章
审核/Check	张伟	
批准/Approved	罗小春	

深圳市韩下电子有限公司