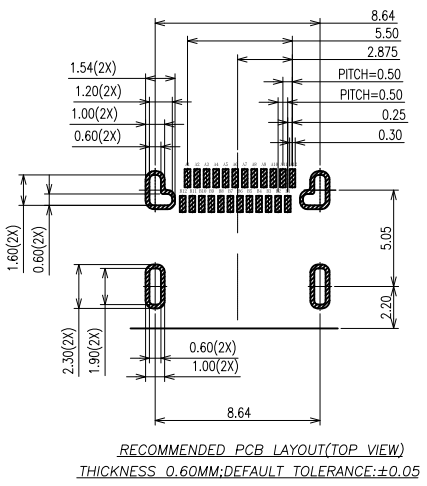
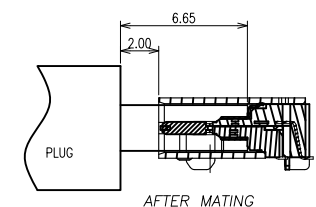
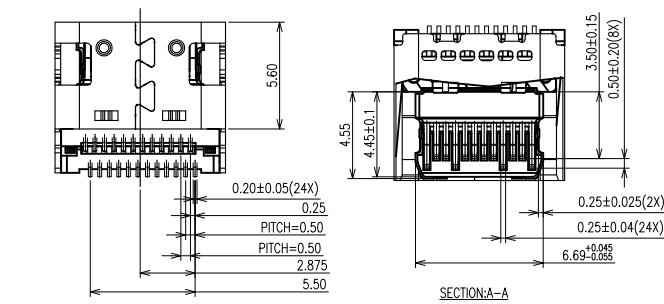
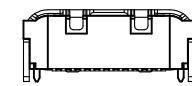
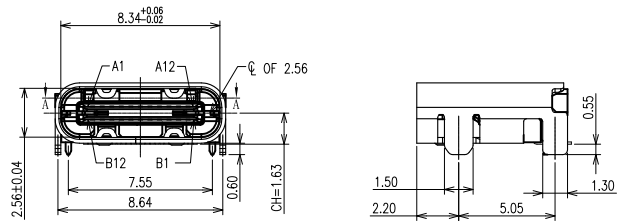
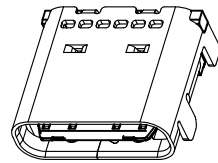
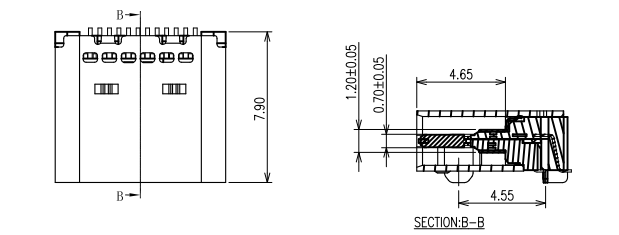


REV.	DESCRIPTION	DATE
A	New Drawing	2023/08/18



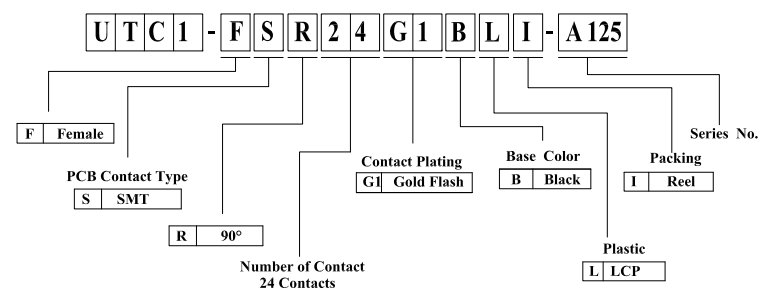
NOTE:

- MATERIAL SPECIFICATION:
  - HOUSING: LCP, UL94 V-0.
  - CONTACTS: COPPER ALLOY (C7025)
  - MID PLATE: STAINLESS STEEL (SUS304)
  - FRONT SHELL: STAINLESS STEEL (SUS304)
  - EMI PLATE: STAINLESS STEEL (SUS301)
- PLATING SPECIFICATION:
  - CONTACTS:
    - Ni 50 $\mu$ m MIN. UNDER PLATED OVER ALL.
    - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
    - PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
  - FRONT SHELL:
    - Ni 30 $\mu$ m MIN. UNDER PLATED OVER ALL.
  - MID PLATE & EMI PLATE:
    - CLEAR ONLY
- MECHANICAL PERFORMANCE:
  - INSERTION FORCE: 0.5~2.0kgf.
  - REMOVAL FORCE: 0.8kgf~2.0kgf.
  - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE:
  - CURRENT RATING: 5.0A  
VOLTAGE RATING: 5.0V
  - LLCR:
    - VBUS & GND PINS AND OTHER PINS: 40m $\Omega$ /PIN MAX.
    - SHIELD: 50m $\Omega$ /MAX.
    - LLCR MAX. CHANGE OF ALL PINS: 10m $\Omega$ .
  - INSULATION RESISTANCE: 100M $\Omega$  MIN
  - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:
  - OPERATING TEMPERATURE: -25°C~+85°C.
- IR REFLOW:
  - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.60MM; DEFAULT TOLERANCE:  $\pm 0.05$

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
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



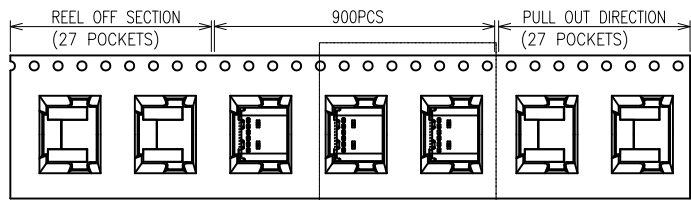
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**Superior Tech Co., Ltd.**

General Tolerance	TITLE	USB Type-C Female 臥式SMT 24P 外殼腳距5.05mm	
X. $\pm 0.5$	DRAWN	DATE	NO.
.X $\pm 0.3$	Jacky	08-18-23'	D052
.XX $\pm 0.2$	CHECK	DATE	PART NO.
.XXX $\pm 0.1$	Tom	08-18-23'	UTC1-FSR24G1BLI-A125
角度 $\pm 5^\circ$	APPROVED	DATE	CUSTOMER NO.
	Tom	08-18-23'	1/2

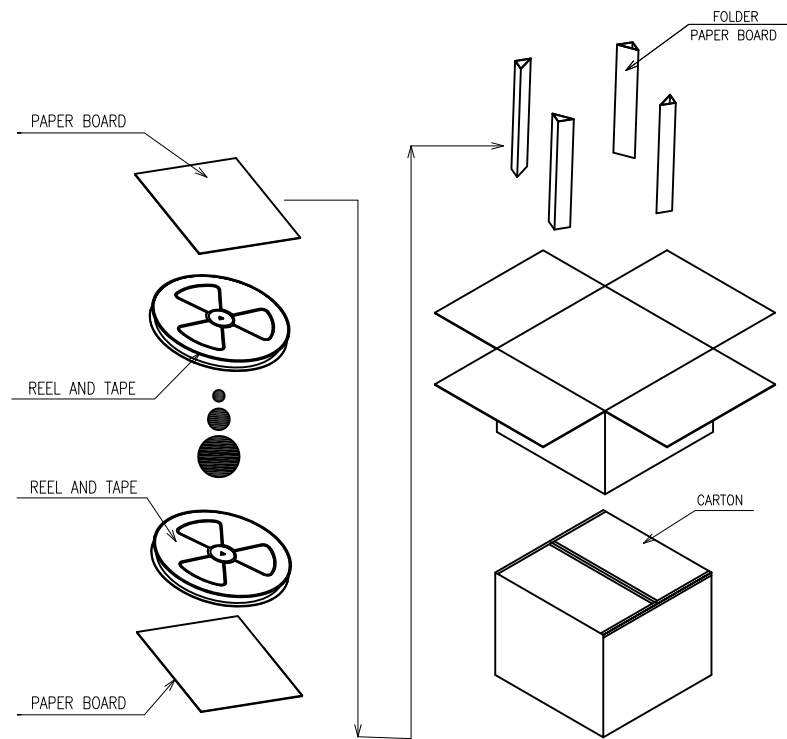
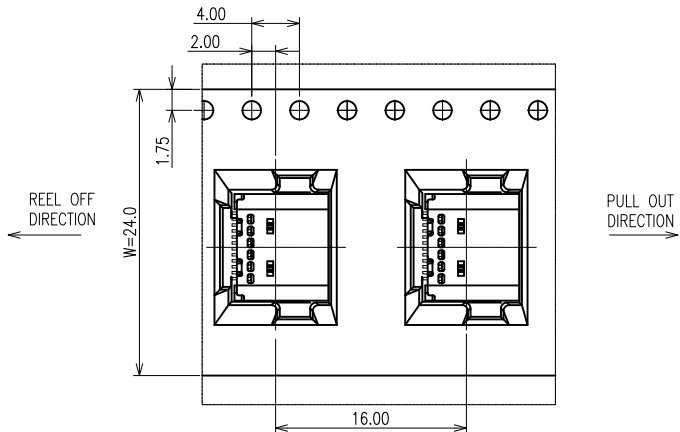
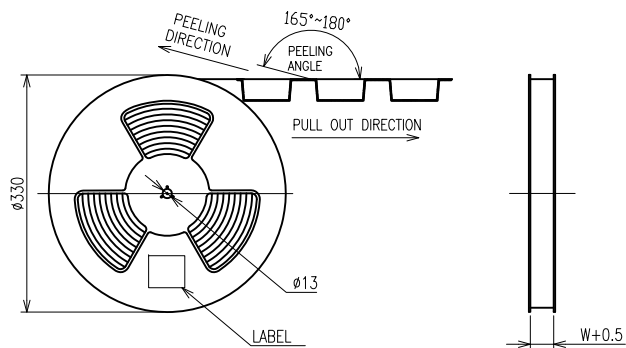
REV.	UNIT	SCALE	
A	mm	1:1	

(Q2-R03-01A) ST-R05-07

REV.	DESCRIPTION	DATE
A	New Drawing	2023/08/18



SEE DETAIL X



	REEL	CARTON
CONNECTOR (PCS)	900	9000

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**Superior Tech Co., Ltd.**

General Tolerance

X. ± 0.5	DRAWN Jacky
.X ± 0.3	
.XX ± 0.2	CHECK Tom
.XXX ± 0.1	
角度 ± 5°	APPROVED Tom

TITLE

UTC1-FSR24G1BLI-A125 包裝圖

DRAWN

Jacky

DATE

08-18-23'

NO.

D052

CHECK

Tom

DATE

08-18-23'

PART NO.

UTC1-FSR24G1BLI-A125

APPROVED

Tom

DATE

08-18-23'

CUSTOMER NO.

2/2

REV.

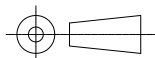
A

UNIT

mm

SCALE

1:1



(Q2-R03-01A) ST-R05-07