

RoHS2.0+REACH

The technical drawing includes several views of the USB30-AF-014 connector:

- Top View:** Shows overall dimensions: width 9.65±0.25, height 9.45±0.30, and base width 9.20.
- Side View:** Shows profile dimensions: total length 8.34±0.08, tail length 2.56±0.04, and various internal features like A1, B1, A12, B12.
- Section B-B:** A cross-section showing internal shell details, contact pitch 0.5C, and materials SUS304 and SUS301.
- Section A-A:** Another cross-section showing different internal features and dimensions like 7.20, 0.70±0.15, and 1.50±0.15.
- Detail A:** A detailed view of the contact area with dimensions like 6.10, 4.80, 3.20, 2.40, 1.60, and 0.80.

NOTES:

- MATERIAL:
 - MOLDING: LCP UL94 V-0
 - CONTACT: COPPER ALLOY.
 - PLATED GOLD ON CONTACT AREA,
 - G/F GOLD ON SOLDER AREA,
 - 50μ" NICKEL PLATING OVER ALL.
 - OUTER SHELL: SUS304-H,T=0.20±0.03mm
 - 50μ" NICKEL SOLDER AREA TAIL
 - INNER SHELL:SUS304,T=0.20±0.03mm
 - LATCH:SUS301,T=0.15±0.03mm
- MECHANICAL:
 - INSERTION: 5~20N.
 - EXTRACTION: 8~20N.
 - DURABILITY: 10000 CYCLES
- ELECTRICAL:
 - CURRENT: 5A MAX FOR VBUS;
 - 1.25A FOR GND,0.25A FOR OTHER OTHER.
 - VOLTAGE: 20VDC MAX
 - WITHSTANDING VOLTAGE: 100V AC.
 - CONTACT RESISTANCE: 40mΩ MAX.
 - INSULATION RESISTANCE: 100MΩ MIN.
- ENVIRONMENTAL
 - TEMPERATURE RANGE -40°C ~ +85°C

5.0				DRAWING:	GENERAL TOLERANCE		CHIN-BAN Electronic Technology	
4.0				Frank	.X:=±0.30	.X*:±2°		
3.0				CHECKED:	.XX:=±0.25	.XX*:±1°		
2.0				yangjie	UNIT: MM	PROJECTION:	DESCRIPTION: 板上双壳9.45L脚长1.6 CL1.75	
1.0				APPROVAL:	SCALE: 1:1		PART NO: USB30-AF-014	REV: 1.0
NO.	DATE	DESCRIPTION	DRAWING	SHEET: 1/1			OLD CODE: USBC1-AF-014	SIZE: A4

1. MATERIAL:
MOLDING: LCP UL94 V-0
CONTACT: COPPER ALLOY.
PLATED GOLD ON CONTACT AREA,
G/F GOLD ON SOLDER AREA,
50u" NICKEL PLATING OVER ALL.
OUTER SHELL: SUS304-H, T=0.20±0.03mm
50u" NICKEL SOLDER AREA TAIL
INNER SHELL: SUS304, T=0.20±0.03mm
LATCH: SUS301, T=0.15±0.03mm

2. MECHANICAL:
INSERTION: 5~20N.
EXTRACTION: 8~20N.
DURABILITY: 10000 CYCLES

3. ELECTRICAL:
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1.25A FOR GND, 0.25A FOR OTHER OTHER.
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WITHSTANDING VOLTAGE: 100V AC.
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4. ENVIRONMENTAL
TEMPERATURE RANGE -40°C ~ +85°C

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TEMPERATURE RANGE $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$



CHIN-BAN
Electronic Technology

DESCRIPTION: 板上双壳9.45L脚长1.6 CL1.75

PART NO:	USB30-AF-014
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REV: 1.0

OLD CODE:	USBC1-AF-014
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DRAWING NO:

SIZE: A4

Frank

CHECKED:

yangjie

APPROVAL:

.X:=±0.30	.X°:=±2°
.XX:=±0.25	.XX°:=±1°
.XXX:=±0.15	.XXX°:=±0.5°

UNIT: MM

PROJECTION:

SCALE: 1:1

SHEET: 1 / 1

