

Technical drawing of a USB connector, showing dimensions and sections.

**Dimensions:**

- Overall length: 6.55±0.10
- Overall width: 4.95±0.10
- Shell thickness: 0.58±0.05
- Insulator thickness: 0.20±0.05
- Insulator width: 3.00±0.05
- Insulator height: 3.45±0.10
- Insulator base width: 4.10±0.05
- Insulator base height: 2.15±0.05
- Insulator base width (inner): 3.20
- Insulator base height (inner): 2.75±0.10
- Insulator base width (outer): 3.00±0.05
- Insulator base height (outer): 1.74
- Insulator base width (inner, top): 3.29±0.05
- Insulator base height (inner, top): 0.47±0.05
- Insulator base width (outer, top): 3.00
- Insulator base height (outer, top): 0.30
- Insulator base width (inner, bottom): 5.55±0.10
- Insulator base height (inner, bottom): 7.50±0.15
- Insulator base width (outer, bottom): 7.50±0.15
- Insulator base height (outer, bottom): 0.78
- Insulator base width (inner, bottom): 1.10
- Insulator base height (inner, bottom): 0.78

**Sections:**

- SECTION A-A
- SECTION C-C

**Table 1: Part Details**

No.	Name	Q'ty	Material	Remarks & Thickness	Finish
3	Shell	1	Brass	T=0.30mm	All gold plated
2	Contact	8	Phosphor bronze	T=0.15mm	Gold Flashed
1	Housing	1	L.C.P	UL 94-V0	Black

**Table 2: Material Properties**

Material	Remarks & Thickness	Finish
Brass	T=0.30mm	All gold plated
Phosphor bronze	T=0.15mm	Gold Flashed
L.C.P	UL 94-V0	Black

**Table 3: Tolerances**

Symbol	Value
.x	±0.20
.xx	±0.10
.xxx	±0.05
ANG	±1°

**Table 4: Specifications**

Specification	Value
1.1 Insulator: L.C.P	UL 94-V0 rated.
1.2 Contact: Phosphor bronze	T=0.15mm
1.3 Shell: Brass	T=0.30mm
2.1 Current rating:	1 A Max.
2.2 Dielectric withstanding voltage:	500 V(ac) or 1 minute.
2.3 Contact resistance:	30 mΩ Max.
2.4 Insulation resistance:	1000 MΩ Min at DC 500V.
2.5 Temperature range:	-55°C~+105°C

**Table 5: Finishes**

Finish	Remarks
3.1 Contacts: Gold flashed	3u", 10u"
3.2 Shell: All gold plated	1u", 3u", 10u"

**Table 6: Revision History**

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	REVISER	APPD
1						

**Table 7: Part Information**

PART NO.	MODEL NO.	UNIT:	SIZE:	COLOR:	PART NAME:
		mm	A4		MINI USB-8S S.M.T單排

**Table 8: Drawing Information**

CHK:	APP:	DWG NO:	SCALE:	SHEET:	REV:
Kevin '06/05/12	Kent '06/05/12	S/A-333	1:1	1 of 1	AO

**Table 9: Company Information**

Company Name	Address	Phone	Fax	E-mail
HSI-CHIN ELECTRONICS CO.,LTD	100, No. 1, Sec. 2, Ren'ai Rd., Taipei 106, Taiwan	886-2-2718-8888	886-2-2718-8889	hsichin@hsichin.com.tw

1.3 Shell: Brass  $T=0.30\text{mm}$

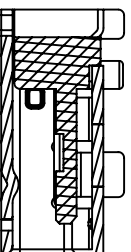
1 minute.

2.5 Temperature range:  $-55^{\circ}\text{C} \sim +105^{\circ}\text{C}$

### 3.2 Shell:All gold plated 1u,3u,10u.



HSI-CHIN ELECTRONICS CO., LTD.

SECTION A-A

SECTION C-C

