

USB C Female SMT Connector With Spring and Without Spring



**RoHS
Compliant**



Specifications:

Mechanical

Insertion Force	: 5N to 20N
Withdrawal Force	: 8N to 20N
After 10,000 cycles mating	: 2N Min.

Electrical

Applied current (requirement)

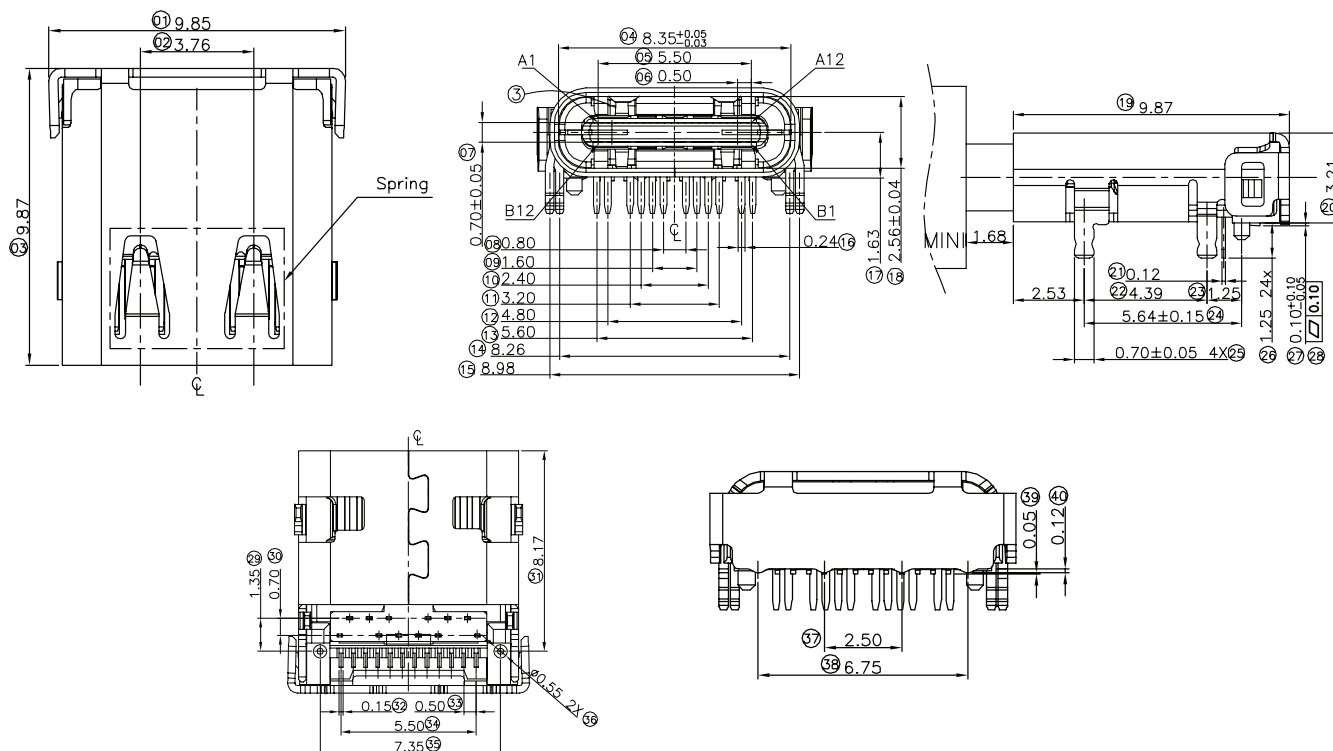
VBUS Pin, 5A
GND Pin, 6.25A
VConn Pin, 1.25A
Other Contacts, 0.25A

Voltage Rating	: 30V AC (rms)
Withstanding Voltage	: 100V AC for 1 minute.
Insulation Resistance	: 100MΩ Min.
Contact Resistance	: 40mΩ Max.

Environmental

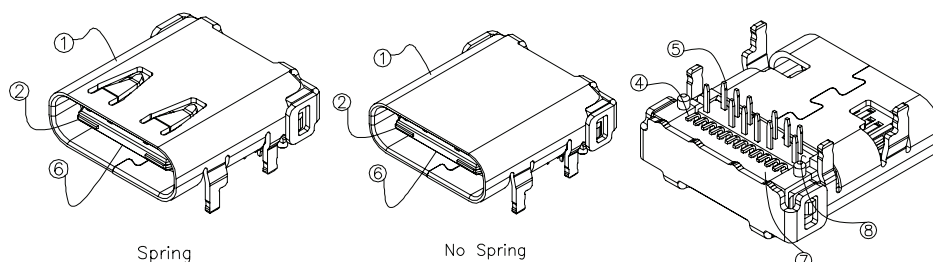
Operation Temperature	: -25°C to +85°C
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Diagram



Dimensions : Millimetres

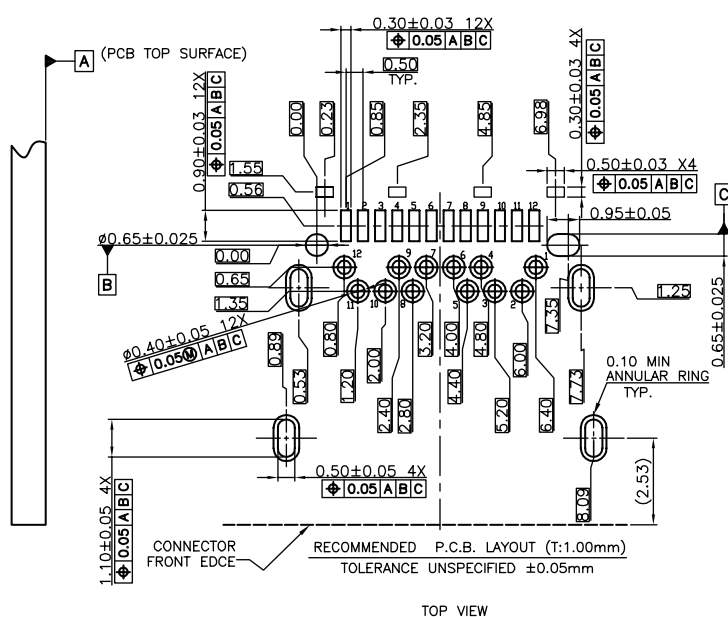
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Spring

No Spring

	A		B
1	GND	12	GND
2	SSTXp1	11	SSRXp1
3	SSTXn1	10	SSRXn1
4	VBUS	9	VBUS
5	CC1	8	SUB2
6	Dp1	7	Dn2
7	Dn1	6	Dp2
8	SUB1	5	CC2
9	VBUS	4	VBUS
10	SSRXn2	3	SSTXn2
11	SSRXp2	2	SSTXp2
12	GND	1	GND



Dimensions : Millimetres

No.	Name	Material	Qty.
1.	Shell	SUS	1
2.	Latch	SUS	1
3.	EMI	SUS	2
4.	SMT Conector	Copper Alloy	12
5.	DIP Conector	Copper Alloy	12
6.	Latch Housing	Thermoplastic	1
7.	SMT Housing	Thermoplastic	1
8.	DIP Housing	Thermoplastic	1

Part Number Table

Description	Part Number
USB C Female SMT + H/T type, shell with spring	MC001002
USB C Female SMT + H/T type, shell without spring	MC001003
USB C Female SMT + H/T type, shell with spring	MC001002
USB C Female SMT + H/T type, shell without spring	MC001003

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