



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**USB Connectors**



**Specification**

(UA) USB A Type (NUB) Mini USB B  
(UB) USB B Type

**Data Transfer Rate**

(20) 2.0 (30) 3.0

**Connector Body (Style)**

> For Receptacle > For Overmolded with Cable  
(P) Front Fastened (A) With Strain Relief  
> For Field installable (B) Without Strain Relief  
(B) Without Strain Relief

**Connector (Housing) Gender**

(M) Male (F) Female

**Contact Gender**

(M) Male (Plug) (F) Female (Jack)

**Assemble Style**

> For Receptacle > For Overmolded with Cable  
(P) 180° PCB Type (M) Overmolded with Cable  
(R) 90° PCB Type > For Field Installable  
(J) Jack (A) Field installable (Solder)

**Mating Style**

(S) Screw Thread (L) 2 Points Lock Bayonet (Nut OD: 28.5mm)  
(N) 2 Points Lock Bayonet (Nut OD: 25.4mm)

**Backshell**

> For Receptacle > For Overmolded with Cable > For Field Installable  
(C) Circular (L) Straight (L) Straight  
(S) Square (R) Right Angle

**Waterproof Rating**

(7) IP 67  
(8) IP 68

**More information**

> For Receptacle > For Overmolded with Cable  
(001) Without Cable (□)+(■) : Cable Type + Cable Length  
(002) With Cable (Harness EX. (A01) = USB 2.0 Cable + 1M  
(50mm))  
(□) : Cable Type (■) : Cable Length  
(A) USB 2.0 Cable USB2.0 :From 1M to 5M  
(B) USB 3.0 Cable USB3.0 :From 1M to 3M  
Mini USB2.0: From 1M to 4M  
EX. (01) = 1M

**USB Connectors**



ALTW waterproof connector to ALTW waterproof connector  
ALTW waterproof connector to Standard USB connector (None Waterproof)

**Specification**

(UA) USB A Type

(UB) USB B Type

**Data Transfer Rate**

(20) 2.0

(30) 3.0

**Connector Body (Style)**

> For Receptacle

> For Overmolded with Cable

(P) Front Fastened

(A) With Strain Relief

(B) Without Strain Relief

**Connector (Housing) Gender**

(M) Male

(F) Female

**Contact Gender**

(M) Male (Plug)

(F) Female (Jack)

**Mating Style**

(S) Screw Thread

(L) 2 Points Lock Bayonet (Nut OD: 28.5mm)

**Non-Waterproof (2ne End)**

(A) USB2.0 A Type (Plug)

(D) USB3.0 A Type (Plug)

(B) USB2.0 B Type (Plug)

**Waterproof Rating**

(6) IP 66

(7) IP 67

(8) IP 68

**More information**

**> For Receptacle with Cable**

(□)+(■) : Cable Type + Cable Length

EX. (BX10) = USB 3.0 Cable + 100mm

(□) : Cable Type (■) : Cable Length

(B) USB 3.0 Cable USB3.0 :From 100mm to 300mm

EX. (X10) = 100mm

**> For Overmolded with Cable**

(□)+(■) : Cable Type + Cable Length

EX. (A01) = USB 2.0 Cable + 1M

(□) : Cable Type

(■) : Cable Length

(A) USB 2.0 Cable

USB2.0 :From 1M to 5M

(B) USB 3.0 Cable

USB3.0 :From 1M to 3M

Mini USB2.0: From 1M to 4M