

**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

(P) Front Fastened

> For Overmolded with Cable

(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