





CATALOGUE

USB/Micro USB

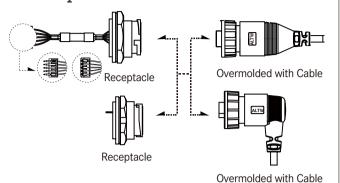




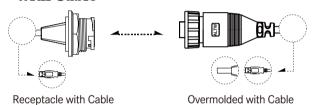


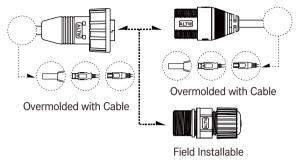
Range Overview

△ Receptacle to Overmolded with Cable



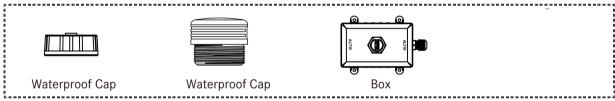
△ Receptacle with Cable to Overmolded with Cable







□ Accessories



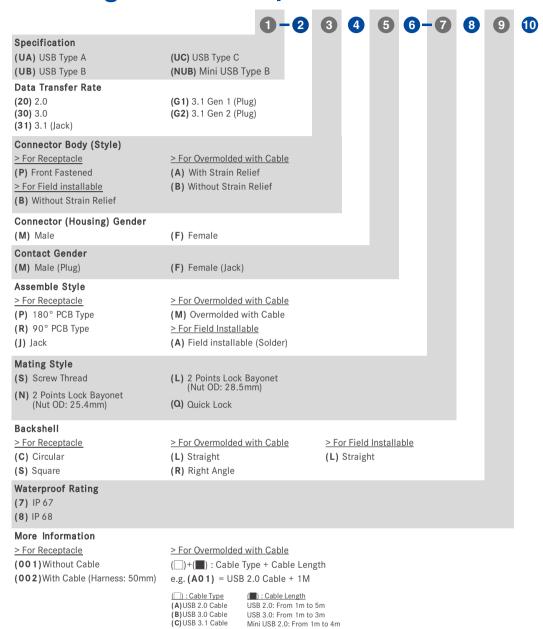
Specification | USB Type A/B

Identifications	USB Type A 3.0 USB Type A 2.0 USB Type B 2.0 Mini USB Type B 2.0	
Description	Receptacle Receptacle With Cable Overmolded with Cable Field Installable	
Current Rating / Data	USB 2.0: 1.5A USB 3.0: 1A	
Material	Contacts: Copper Alloy, Gold Plated Connector Body (Housing): PBT, UL94V-0	
Waterproof Rating	IP67/68	
Temperature Range	Receptacle: Nylon+GF: -40°C~105°C M-PPE: -40°C~105°C ABS: -20°C~80°C Receptacle with cable: Nylon+GF: -20°C~105°C ABS: -20°C~80°C Overmolded with Cable: -20°C~80°C Field Installable: -20°C~80°C	
Contact Resistance	≤ 30mΩ	
Insulation Resistance	≥ 1000MΩ at DC500V	
More to know	Standard Cable Length - USB 2.0: 1 ~ 5m - USB 3.0: 1 ~ 3m - Mini USB: 1 ~ 4m	

Specification | USB Type C

Identifications	USB Type C 3.1	
Description	Receptacle Overmolded with Cable	
Current Rating / Data	3A	
Material	Contacts: Copper Alloy, Gold Plated Connector Body (Housing): PP, UL94V-0, f1 Rated	
Waterproof Rating	IP68	
Temperature Range	-40°C ~105°C	
Contact Resistance	≤ 50mΩ	
Insulation Resistance	≥ 100MΩ at DC500V	
More to know	Standard Cable Length: 1 ~ 3m	

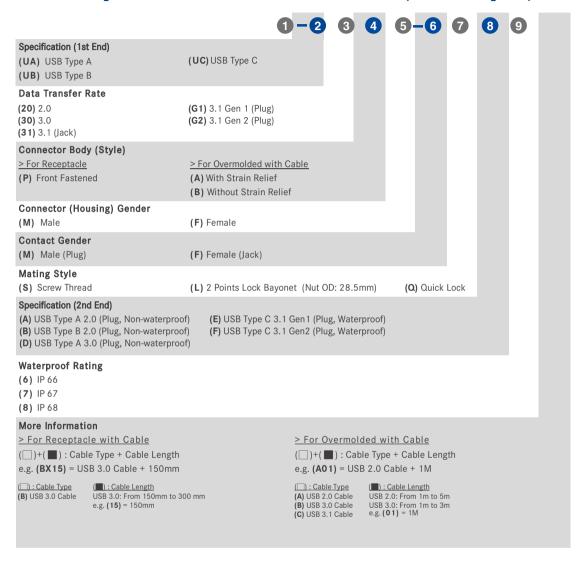
Ordering Information | USB & Mini USB



e.g.(01) = 1M

Ordering Information | USB | Double-ended

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



Physical Dimension | USB

∠ Receptacle

Panel Cut-Out





Type C

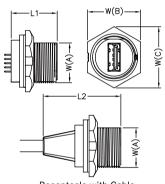


Ту	/pe	Mating Style	Housing Gender	L	OD
	Type A	Screw Thread	read		20.8
USB2.0	туре А	2 Points Lock Bayonet		19.4	20.8
0362.0	Туре В	Screw Thread		19.4	20.8
		2 Points Lock Bayonet	Male	23.6	25.6
USB3.0	Tuno A	Screw Thread		19.4	20.8
0363.0	Туре А	2 Points Lock Bayonet		23.6	25.6
Mini USB	-	Screw Thread		14.8	15.6
USB3.1	Туре С	Quick	Female	16.7	11.3

^{*} Maximum Panel Thickness: USB: 4mm I Mini USB: 2.5mm

Unit: mm

Connector Dimension



Receptacle with Cable	

Туре		Mating Style	Housing Gender	W(A)	W(B)	W(C)	L1	L2
		Screw Thread		19.0	25.4	29.3	22.0	-
USB2.0	Type A	2 Points Lock Bayonet		23.2	28.5	32.9	20.3	-
0362.0		Screw Thread		19.0	25.4	29.3	22.0	-
	Type B	2 Points Lock Bayonet	Male	23.2	28.5	32.9	20.3	-
		Screw Thread		19.0	25.4	29.3	=	37.2
USB3.0 Type	Type A	2 Points Lock Bayonet		23.2	28.5	32.9	-	37.5
Mini USB	-	Screw Thread		14.5	20.6	23.5	15.0	-

^{*} USB: Screw I Middle Size (13/16"-28 UNS)

2 Points Lock Bayonet I Large Size (1"20 UNEF)

Unit: mm

L	_
	W(A)
W(D)	



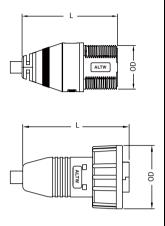
Туре		Mating Style	Housing Gender	W(A)	W(B)	W(C)	W(D)	L1
USB3.1	Type C	Quick	Female	10.8	14.2	19.6	25.1	21.0

^{*}Recommended Screw Size: M2x0.4x10mmL (min.)

Unit: mm

^{*}Mini USB: Screw I Standard Size (5/8"-27 UNS)

∠ Overmolded with Cable

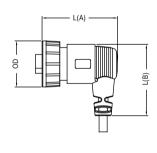


Туре		Mating Style	Housing Gender	L	OD
		Screw Thread	Female	42.6	25.4
	Type A	Screw Illieau	Male	45.0	20.6
	туре А	2 Points Lock Bayonet	Female	73.3	28.5
USB2.0		2 Politis Lock Bayoffet	Male	=	=
0362.0		Screw Thread	Female	42.6	25.4
	Туре В	Screw Illieau	Male	45.0	20.6
		O Deinte Leals Devenue	Female	73.3	28.5
		2 Points Lock Bayonet	Male	-	-
		Screw Thread	Female	42.6	42.6
USB3.0	Type A	Screw Illieau	Male	45.0	20.6
0.606.0	туре А	2 Points Lock Bayonet	Female	75.0	28.5
		2 Folints Lock Bayonet	Male	-	-

^{*} USB: Screw I Middle Size (13/16"-28 UNS)

Unit: mm

^{*}Mini USB: Screw I Standard Size (5/8"-27 UNS)

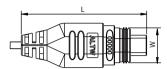


Ту	/pe	Mating Style	Housing Gender	L(A)	L(B)	OD
	Type A	Screw Thread		-	-	-
USB2.0	туре А	2 Points Lock Bayonet	Female	46.8	44.1	28.5
0302.0	Туре В	Screw Thread		=	=	=
		2 Points Lock Bayonet		46.8	44.1	28.5
LICES O	USB3.0 Type A	Screw Thread		=	=	=
0363.0		2 Points Lock Bayonet		=	=	=
Mini USB	-	Screw Thread		-	-	-

^{*} USB: Screw I Middle Size (13/16"-28 UNS) 2 Points Lock Bayonet I Large Size (1"20 UNEF)

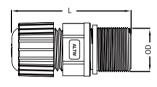
Unit: mm

² Points Lock Bayonet I Large Size (1"20 UNEF)



Туре		Mating Style	Housing Gender	W	L
USB2.0/3.0	Type C	Quick Lock	Male	14.2	51.1

Unit: mm



Ту	pe	Mating Style Housing Gender		L	OD
	Type A	Screw Thread		56.0	20.6
USB2.0	туре А	2 Points Lock Bayonet		=	=
U3B2.U	Type P	Screw Thread		56.0	20.6
	Туре В	2 Points Lock Bayonet	Male	-	-
USB3.0	Tuno A	Screw Thread		-	-
0363.0	Туре А	2 Points Lock Bayonet		-	-
Mini USB	-	Screw Thread		45.0	15.45

* USB: Screw I Middle Size (13/16"-28 UNS)

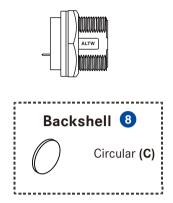
2 Points Lock Bayonet I Large Size (1"20 UNEF)

*Mini USB: Screw I Standard Size (5/8"-27 UNS)

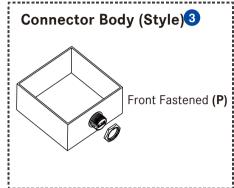
Unit: mm

Product Features | USB

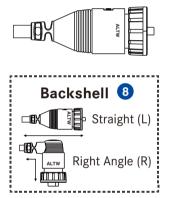
∠ Receptacle



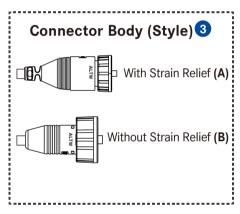




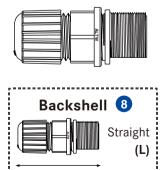
○ Overmolded with Cable



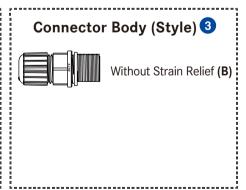




✓ Field Installable



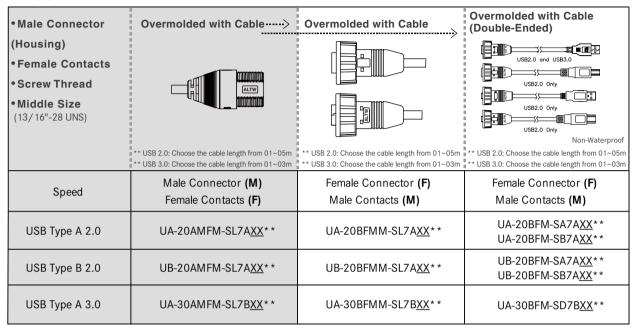




Find Our Standard Products | USB

□ USB > In-line

Middle Size



\triangle USB > In-line

Male Connector	Field Installable	Overmolded with Cable	Overmolded with Cable (Double-Ended)
 (Housing) Female Contacts Screw Thread Middle Size (13/16"-28 UNS) 		*** USB 2.0: Choose the cable length from 01~05m	Non-Waterproof *** USB 2.0: Choose the cable length from 01~05m
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
USB Type A 2.0	UA-20BMFA-SL8001	UA-20BFMM-SL7A <u>XX</u> **	UA-20BFM-SA7A <u>XX</u> ** UA-20BFM-SB7A <u>XX</u> **
USB Type B 2.0	UB-20BMFA-SL8001	UB-20BFMM-SL7A <u>XX</u> **	UB-20BFM-SA7A <u>XX</u> ** UB-20BFM-SB7A <u>XX</u> **

USB/Micro USB I Find Our Standard Products

USB Type A | Type B

In-line | Receptacle and Mating Pair Screw Thread Middle Size

□ USB > In-line

Male Connector (Housing)	Overmolded with Cable> (Double-Ended)	Overmolded with Cable (Double-Ended)	Field Installable
• Female Contacts • Screw Thread • Middle Size (13/16"-28 UNS)	USB2.0 and USB3.0	USB2.0 and USB3.0	
	** USB 2.0: Choose the cable length from 01~05m ** USB 3.0: Choose the cable length from 01~03m		
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
USB Type A 2.0	UA-20AMF-SA7A <u>XX</u> ** UA-20AMF-SB7A <u>XX</u> **	UA-20BFM-SA7A <u>XX</u> ** UA-20BFM-SA7A <u>XX</u> **	-
USB Type A 3.0	UA-30AMF-SD7B <u>XX</u> **	UA-30BFM-SD7B <u>XX</u> **	-
USB Type B 2.0	UB-20AMFM-SA7A <u>XX</u> ** UB-20AMFM-SB7A <u>XX</u> **	UB-20BFM-SA7A <u>XX</u> ** UB-20BFM-SB7A <u>XX</u> **	-

Male Connector	Receptacle	Overmolded with Cable	Overmolded with Cable (Double-Ended)
(Housing) • Female Contacts • Screw Thread • Middle Size (13/16"-28 UNS)	Type 1 Type 2	** Choose the cable length from 01~05m	Non-Waterproof ** Choose the cable length from 01~05m
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
USB Type A 2.0	UA-20PMFP-SC8001 UA-20PMFP-SC8002 Type1 UA-20PMFP-SC8003 Type2	UA-20BFMM-SL7A <u>XX</u> **	UA-20BFM-SA7A <u>XX</u> ** UA-20BFM-SB7A <u>XX</u> **
USB Type B 2.0	UB-20PMFP-SC8001 UB-20PMFP-SC8002 UB-20PMFP-SC8003	UB-20BFMM-SL7A <u>XX</u> **	UB-20BFM-SA7A <u>XX</u> ** UB-20BFM-SB7A <u>XX</u> **

Receptacle and Mating Pair 2 Points Lock Bayonet Large Size

• Male Connector (Housing) • Female Contacts • 2 Points Lock Bayonet (Nut OD: 28.5mm) • Large Size (1"20 UNEF)	Receptacle	Overmolded with Cable ** Choose the cable length from 01~05m	Field Installable
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
USB Type A 2.0	UA-20PMFP-LC7001 UA-20PMFP-LC7002 Type1 UA-20PMFP-LC7003 Type2	UA-20AFMM-LL7A <u>XX</u> ** UA-20AFMM-LR7A <u>XX</u> **	-
USB Type B 2.0	UB-20PMFP-LC7001 UB-20PMFP-LC7002 UB-20PMFP-LC7003	UB-20AFMM-LL7A <u>XX</u> ** UB-20AFMM-LR7A <u>XX</u> **	-

riangle USB > Receptacle and Mating Pair

Male Connector	Receptacle	Overmolded with Cable	Field Installable
(Housing) • Female Contacts • 2 Points Lock Bayonet (Nut OD: 25.4mm) • Large Size (13/16-28 UN)		** Choose the cable length from 01~05m	
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
USB Type A 2.0	UA-20PMFJ-NC7001	UA-20BFMM-NL7A <u>XX</u> **	-

Receptacle and Mating Pair | Receptacle with Cable and Mating Pair | 2 Points Lock Bayonet | Quick Lock Large Size

• Male Connector (Housing) • Female Contacts • Screw Thread	Receptacle with Cable> (Double-Ended)	······>	Overmolded with Cable (Double-Ended)
• 2 Points Lock Bayonet (Nut OD: 28.5mm) • Large Size	Non-Waterproof		
(1"20 UNEF)	* USB 3.0: Choose the cable length from 150~300mm	** USB 3.0: Choose the cable length from 01~03m	** USB 3.0: Choose the cable length from 01~03m
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
USB Type A 3.0	UA-30PMF-LD7B <u>XX</u> * UA-30PMF-SD7B <u>XX</u> *	UA-30AFMM-LL7B <u>XX</u> ** UA-30BFMM-SL7B <u>XX</u> **	UA-30BFM-SD7B <u>XX</u> ** UA-30AFM-LD7B <u>XX</u> **

□ USB > Receptacle and Mating Pair

Female Connector (Housing) Female Contacts Quick Lock Speed of Jack: USB Type C 3.1	Receptacle	Overmolded with Cable (Double-Ended) Ist End Choose the data transfer rate (G1) 3.1 Gen 1 or (G2) 3.1 Gen 2 *XX: Choose the cable length from 01~03m	Field Installable
Speed of Plug	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
1st End: USB Type C 3.1 Gen 1/Gen 2 2nd End: USB Type C 3.1 Gen 1/Gen 2	UC-31PFFP-QS8001	UC- 2 AMM-QE8C <u>XX</u> * UC- 2 AMM-QF8C <u>XX</u> *	-
1st End: USB Type C 2.0 2nd End: USB Type A 2.0	-	UC-20AMM-QA8A <u>XX</u> *	-
1st End: USB Type C 3.0 2nd End: USB Type B 2.0	-	UC-30AMM-QD8B <u>XX</u> *	-

In-line Screw Thread Standard Size

→ Mini USB > In-line

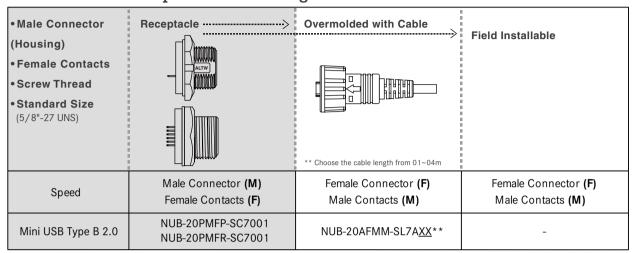
Male Connector	Overmolded with Cable>		Field Installable
(Housing) • Female Contacts • Screw Thread • Standard Size (5/8"-27 UNS)			
	** Choose the cable length from 01~04m	** Choose the cable length from 01~04m	
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
Mini USB Type B 2.0	NUB-20AMFM-SL7A <u>XX</u> **	NUB-20AFMM-SL7A <u>XX</u> **	-

→ Mini USB > In-line

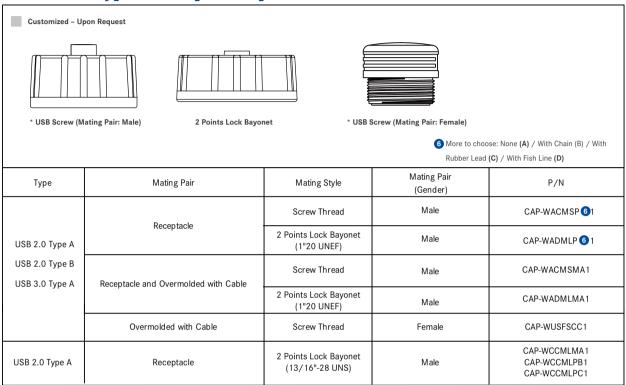
Male Connector	Field Installable	Overmolded with Cable	Field Installable
(Housing)		ĺ	i leiu ilistaliable
• Female Contacts			
• Screw Thread	ALTW ALTW		
•Standard Size (5/8"-27 UNS)			
		** Choose the cable length from 01~04m	
Speed	Male Connector (M) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
Mini USB Type B 2.0	NUB-20BMFA-SL7001	NUB-20AFMM-SL7A <u>XX</u> **	-

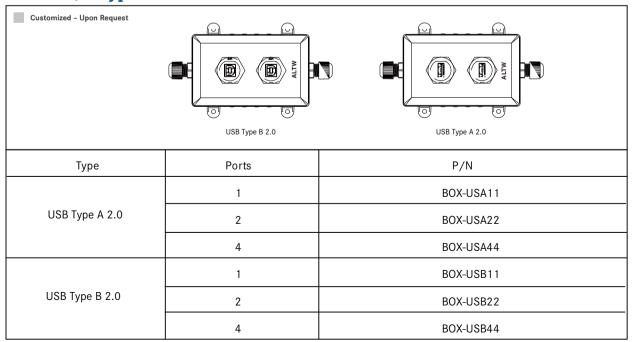
USB/Micro USB I Find Our Standard Products Mini USB Type B

Receptacle and Mating Pair Screw Thread Standard Size



Accessories

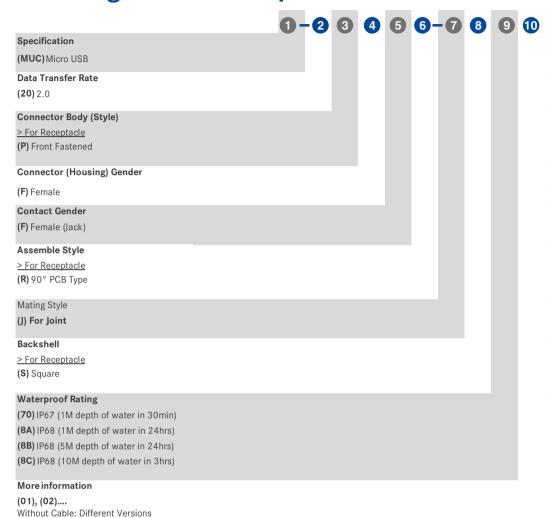




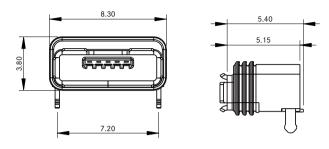
Specification | Micro USB

Identifications	Micro USB: AB Type
Description	Receptacle
Current Rating	1pin & 5pin: 1.8A 2pin, 3pin & 4pin: 1A
Materials	Contacts: Copper Alloy, Gold Plated Connector Body (Housing): Nylon, Black Shell: Stainless, Gold Plated Inner Gascket: Silicone, Transparent Outside Gasket: Silicone, Transparent
Waterproof Rating	IP67/68
Temperature Range	-30°C ~ 85°C
Contact Resistance	≤30mΩ
Insulatuib Resistance	≥ 1000MΩ at 100Vdc
Durability	10,000 Cycles
More to Know	SMT Temperature & Time: 260°C/5Sec

Ordering Information | Micro USB

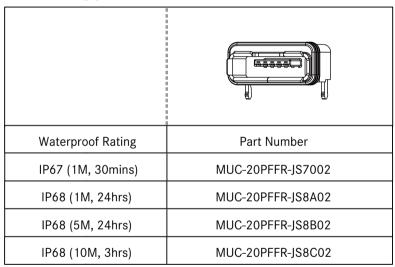


Physical Dimension | Micro USB



Unit: mm

Find Our Standard Products | Micro USB



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