



Waterproof Connectors

Standard and High-Density D-Sub, RJ45 and USB Type-A, Type-B, Circular and Power Connectors that meet the IP66 or IP67 Standard when mated. Durable/Industrial Grade.

Standard and High Density D-Subs Specifications: • Connector: Black Glass-filled Nylon • Contacts: Copper Alloy, Gold Plated • Housing: Black ABS Plastic • Current rating: 5A Standard, 2A High density • Material: Brass/Gold plated pins, PBT Connector body **Applications:** • Public traffic light and automatic parking systems • Industrial automatic cleaning, sealing and packing • Security systems • Industrial computer systems • Robotics • Military applications

RJ45 Type Specifications: • Connector: Black ABS Plastic • Contacts: Gold plated • Cable: Cat5e, 24AWG, 4Pair, UTP **Applications:** Commonly used in Ethernet, it is designed to be durable and robust, and is well suited for Automatic Monitoring Systems (CCTV), industrial communication systems, military communications and control systems.

USB Type Specifications: Connectors: Black ABS plastic • Contacts: Gold plated • Cable: USB2.0, 28AWG, OD 5.0mm (A and B Types) **Applications:** • PC and Peripheral interfaces • Robotics • Industrial computer systems

Circular Specifications: Connector: Black Nylon • Contacts: Gold plated • Current Rating: 5A (3 and 5pos.); 12A (4 and 7pos.)

Power Circular Specifications: • Connectors: Black Glass-filled Nylon • Contacts: Gold plated, solder cup **Applications:** Durable construction of ASSMANN power connectors make them suitable for high power amperage applications such as generators, communication systems and military applications.

Adapter Box Specifications: • Housing: Black ABS Plastic • Contacts: Gold housings

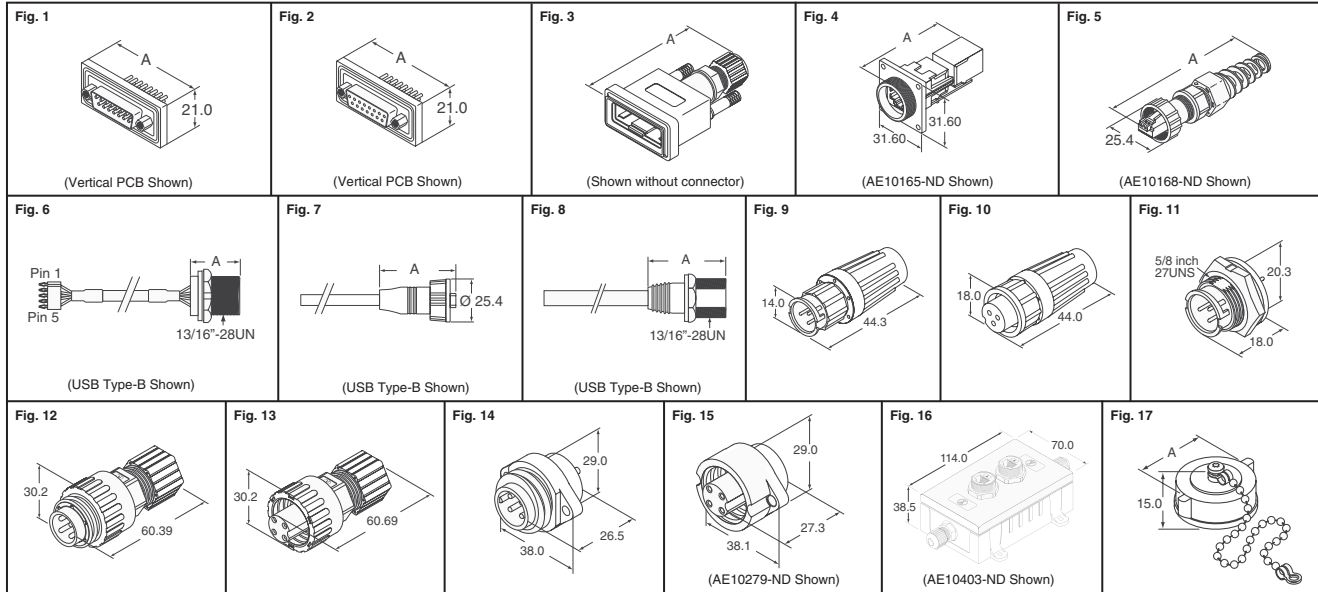


Fig.	Description	Dim. A (mm)	Digi-Key Part No.	Price Each	Assmann Part No.	
D-Sub Connectors, Male — Standard Density						
1	9 Position, PCB, Vertical	39.4	AE10098-ND	8.57 7.93 7.50	A-DS09PP-WP-R	
	9 Position, PCB, Right Angle	39.4	AE10100-ND	11.92 11.03 10.43	A-DS09AA-WP-R	
	9 Position, Solder Cup	39.4	AE10096-ND	8.57 7.93 7.50	A-DS09LL-WP-R	
	15 Position, Solder Cup	47.8	AE10102-ND	10.42 9.64 9.12	A-DS15LL-WP-R	
	15 Position, PCB, Vertical	47.8	AE10104-ND	10.42 9.64 9.12	A-DS15PP-WP-R	
	15 Position, PCB, Right Angle	47.8	AE10106-ND	12.03 11.32 11.01	A-DS15AA-WP-R	
	25 Position, Solder Cup	64.5	AE10108-ND	10.60 9.99 9.71	A-DS25LL-WP-R	
	25 Position, PCB, Vertical	64.5	AE10110-ND	10.60 9.99 9.71	A-DS25PP-WP-R	
	25 Position, PCB, Right Angle	64.5	AE10112-ND	13.69 13.24 12.78	A-DS25AA-WP-R	
	3	9 Pos., Solder Cup, with Hood	66.7	AE10142-ND	8.57 7.93 7.50	A-DS09-HOOD-WP-R
		15 Pos., Solder Cup, with Hood	82.5	AE10144-ND	11.18 10.34 9.78	A-DS15-HOOD-WP-R
		25 Pos., Solder Cup, with Hood	92.0	AE10146-ND	12.34 11.62 11.29	A-DS25-HOOD-WP-R
D-Sub Connectors, Female — Standard Density						
2	9 Position, PCB, Vertical	39.4	AE10097-ND	8.57 7.93 7.50	A-DF09PP-WP-R	
	9 Position, PCB, Right Angle	39.4	AE10099-ND	11.92 11.03 10.43	A-DF09AA-WP-R	
	9 Position, Solder Cup	39.4	AE10095-ND	8.57 7.93 7.50	A-DF09LL-WP-R	
	15 Position, Solder Cup	47.8	AE10101-ND	10.42 9.64 9.12	A-DF15LL-WP-R	
	15 Position, PCB, Vertical	47.8	AE10103-ND	10.42 9.64 9.12	A-DF15PP-WP-R	
	15 Position, PCB, Right Angle	47.8	AE10105-ND	12.03 11.32 11.01	A-DF15AA-WP-R	
	25 Position, Solder Cup	64.5	AE10107-ND	10.60 9.99 9.71	A-DF25LL-WP-R	
	25 Position, PCB, Vertical	64.5	AE10109-ND	10.60 9.99 9.71	A-DF25PP-WP-R	
	25 Position, PCB, Right Angle	64.5	AE10111-ND	13.69 13.24 12.78	A-DF25AA-WP-R	
	3	9 Pos., Solder Cup, with Hood	66.7	AE10143-ND	8.57 7.93 7.50	A-DF09-HOOD-WP-R
		15 Pos., Solder Cup, with Hood	82.5	AE10145-ND	11.18 10.34 9.78	A-DF15-HOOD-WP-R
		25 Pos., Solder Cup, with Hood	92.0	AE10147-ND	12.34 11.62 11.29	A-DF25-HOOD-WP-R
D-Sub Connectors, Male — High Density						
1	26 Position, PCB, Right Angle	47.8	AE10128-ND	13.97 13.50 13.04	A-HDS26AA-WP-R	
	44 Position, PCB, Right Angle	64.5	AE10139-ND	18.81 18.19 17.56	A-HDS44AA-WP-R	
	15 Position, Solder Cup	39.4	AE10117-ND	10.42 9.64 9.12	A-HDS15LL-WP-R	
	26 Position, Solder Cup	47.8	AE10129-ND	10.75 10.13 9.84	A-HDS26LL-WP-R	
	44 Position, Solder Cup	64.5	AE10140-ND	16.06 15.53 14.99	A-HDS44LL-WP-R	
	15 Position, PCB, Right Angle	39.4	AE10116-ND	13.30 12.52 12.17	A-HDS15AA-WP-R	
	15 Position, PCB, Vertical	39.4	AE10118-ND	10.42 9.64 9.12	A-HDS15PP-WP-R	
	26 Position, PCB, Vertical	47.8	AE10130-ND	10.75 10.13 9.84	A-HDS26PP-WP-R	
	44 Position, PCB, Vertical	64.5	AE10141-ND	16.06 15.53 14.99	A-HDS44PP-WP-R	
	3	15 Pos., Solder Cup, with Hood	66.7	AE10119-ND	8.74 8.09 7.66	A-HDS15-HOOD-WP-R
		26 Pos., Solder Cup, with Hood	82.5	AE10121-ND	11.55 10.68 10.11	A-HDS26-HOOD-WP-R
		44 Pos., Solder Cup, with Hood	92.0	AE10123-ND	12.84 12.42 11.99	A-HDS44-HOOD-WP-R
D-Sub Connectors, Female — High Density						
2	26 Position, PCB, Right Angle	47.8	AE10125-ND	13.97 13.50 13.04	A-HDF26AA-WP-R	
	44 Position, PCB, Right Angle	64.5	AE10136-ND	21.29 20.59 19.88	A-HDF44AA-WP-R	
	15 Position, Solder Cup	39.4	AE10114-ND	10.42 9.64 9.12	A-HDF15LL-WP-R	
	26 Position, Solder Cup	47.8	AE10126-ND	10.75 10.13 9.84	A-HDF26LL-WP-R	
	44 Position, Solder Cup	64.5	AE10137-ND	16.06 15.53 14.99	A-HDF44LL-WP-R	
	15 Position, PCB, Right Angle	39.4	AE10113-ND	13.30 12.52 12.17	A-HDF15AA-WP-R	
	15 Position, PCB, Vertical	39.4	AE10115-ND	10.42 9.64 9.12	A-HDF15PP-WP-R	
	26 Position, PCB, Vertical	47.8	AE10127-ND	10.75 10.13 9.84	A-HDF26PP-WP-R	
	44 Position, PCB, Vertical	64.5	AE10138-ND	16.06 15.53 14.99	A-HDF44PP-WP-R	
	3	15 Pos., Solder Cup, with Hood	66.7	AE10120-ND	8.74 8.09 7.66	A-HDF15-HOOD-WP-R
		26 Pos., Solder Cup, with Hood	82.5	AE10122-ND	11.55 10.68 10.11	A-HDF26-HOOD-WP-R
		44 Pos., Solder Cup, with Hood	92.0	AE10124-ND	12.84 12.42 11.99	A-HDF44-HOOD-WP-R

Fig.	Description	Dim. A (mm)	Digi-Key Part No.	Price Each	Assmann Part No.
D-Sub Connectors — Standard Density / High Density					
3	15 Positions / 15 Positions	66.7	AE10154-ND	8.78 8.02 7.64	A-HOOD-09/15-R
	15 Positions / 26 Positions	82.5	AE10155-ND	10.05 9.30 8.80	A-HOOD-15/26-R
	25 Positions / 44 Positions	92.0	AE10156-ND	11.07 10.42 10.13	A-HOOD-25/44-R
RJ45 Type Connectors and Assemblies — 15/16-20UNEF Mating Thread					
4	RJ45 Type, Plug, 1 meter	64.0	AE10163-ND	11.86 11.17 10.85	A-KAB-RJ45-4S-1M-R
	Rcpt., Panel Mount, Coupler, Cat5	53.3	AE10165-ND	13.97 13.50 13.04	A-RJ45GFS-R
	Rcpt., PCB, Right Angle	30.2	AE10166-ND	12.34 11.62 11.29	A-RJ45DFR-R
	Rcpt., Wall Plate, Snap In	49.5	AE10167-ND	16.06 15.53 15.00	A-RJ45KS-R
RJ45 Type Connectors and Assemblies — 13/16-28UN Mating Thread					
—	Rcpt., Bulkhead, IDC, Cat5e	—	AE10170-ND	10.79 10.16 9.88	A-RJ45KU-R
5	Plug, Cat5e	88.5	AE10168-ND	11.99 11.10 10.50	A-RJ45ML-R-R
	Plug, Cat5e, IP67	56.5	AE10169-ND	11.18 10.34 9.78	A-RJ45MS-SR-R
7	RJ45 Type, Plug, 1 meter	42.7	AE10164-ND	8.14 7.43 7.08	A-KAB-RJ45-4U-1M-R
USB Type Cable Assemblies					
6	USB Type-A, Female, 50mm	22.0	AE10157-ND	12.03 11.32 11.01	A-USB-APFS-R
	USB Type-B, Female, 50mm	22.0	AE10158-ND	12.03 11.32 11.01	A-USB-BPFS-R
7	USB Type-A, Male, 1 meter	42.6	AE10159-ND	8.84 8.32 8.09	A-KAB-USBA-MS-1M-R
	USB Type-B, Male, 1 meter	44.5	AE10160-ND	8.84 8.32 8.09	A-KAB-USBB-MS-1M-R
8	USB Type-A, Female, 1 meter	45.0	AE10161-ND	11.18 10.34 9.78	A-KAB-USBA-FS-1M-R
	USB Type-B, Female, 1 meter	45.0	AE10162-ND	11.18 10.34 9.78	A-KAB-USBB-FS-1M-R
Circular Connectors (IP66)					
9	3 Position Receptacle	—	AE10266-ND	10.44 9.83 9.55	A-CR-03BMMMA-L180-WP-R
	4 Position Receptacle	—	AE10270-ND	11.03 10.39 10.09	A-CR-04BMMMA-L180-WP-R
	5 Position Receptacle	—	AE10274-ND	13.53 12.74 12.38	A-CR-05BMMMA-L180-WP-R
	3 Position Plug, Free Hanging	—	AE10265-ND	13.29 12.50 12.15	A-CR-03BFFA-L180-WP-R
	4 Position Plug, Free Hanging	—	AE10269-ND	12.54 12.13 11.71	A-CR-04BFFA-L180-WP-R
5 Position Plug, Free Hanging	—	AE10273-ND	13.34 12.90 12.46	A-CR-05BFFA-L180-WP-R	
Circular Connectors (IP67)					
11	3 Pos. Receptacle, Panel Mount	—	AE10267-ND	8.91 8.14 7.75	A-CR-03PMMP-LC-WP-R
	3 Position Receptacle, PCB	—	AE10268-ND	9.07 8.29 7.89	A-CR-03PMMS-LC-WP-R
	4 Pos. Receptacle, Panel Mount	—	AE10271-ND	9.19 8.40 8.00	A-CR-04PMMP-LC-WP-R
	4 Position Receptacle, PCB	—	AE10272-ND	8.08 7.48 7.07	A-CR-04PMMS-LC-WP-R
	5 Pos. Receptacle, Panel Mount	—	AE10275-ND	8.54 7.90 7.47	A-CR-05PMMP-LC-WP-R
5 Pos. Rcpt., PCB, Panel Mount	—	AE10276-ND	8.54 7.91 7.48	A-CR-05PMMS-LC-WP-R	
Power Circular Connectors (IP67)					
12	4 Position Power Receptacle	—	AE10278-ND	10.88 10.24 9.96	A-P04BMMMA-S180-WP-R
	7 Position Power Receptacle	—	AE10282-ND	11.61 10.94 10.63	A-P07BMMMA-S180-WP-R
13	4 Position Power Plug	—	AE10277-ND	12.15 11.75 11.35	A-P04BFFA-S180-WP-R
	7 Position Power Plug	—	AE10281-ND	12.48 12.06 11.65	A-P07BFFA-S180-WP-R
14	4 Pos. Power Plug, Panel Mount	—	AE10280-ND	9.40 8.70 8.23	A-P04PMMS-SC-WP-R
	7 Pos. Power Plug, Panel Mount	—	AE10284-ND	10.70 9.90 9.36	A-P07PMMS-SC-WP-R
15	4 Pos. Power Rcpt., Panel Mount	—	AE10279-ND	10.93 10.29 10.00	A-P04PFFS-SC-WP-R
	7 Pos. Power Rcpt., Panel Mount	—	AE10283-ND	12.38 11.66 11.33	A-P07PFFS-SC-WP-R
RJ45 Waterproof Adaptor Boxes					
16	RJ45 1 Position, IP69	—	AE10402-ND	21.22 20.52 19.81	A-RF45-BOX-1-R
	RJ45 2 Position, IP70	—	AE10403-ND	29.97 28.91 27.83	A-RJ45-BOX-2-R
	RJ45 4 Position, IP72	—	AE10404-ND	53.96 52.03 50.11	A-RJ45-BOX-4-R
Waterproof Caps					
17	5/8" Course Thread	32.8	AE10405-ND	6.13 5.19 4.96	A-WP-COVER1-R
	13/16" Fine Thread	25.4	AE10406-ND	6.13 5.19 4.96	A-WP-COVER2-R

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