

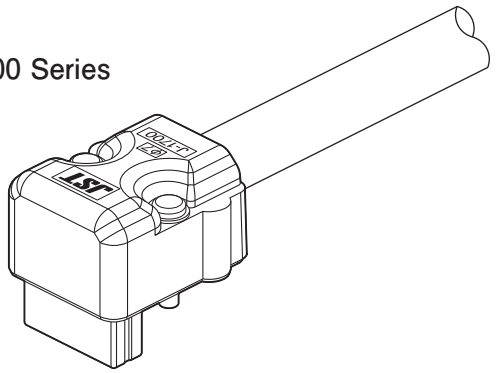
JFA CONNECTOR J1700/J2700/J3700 Series

<Motor Connector Kit>

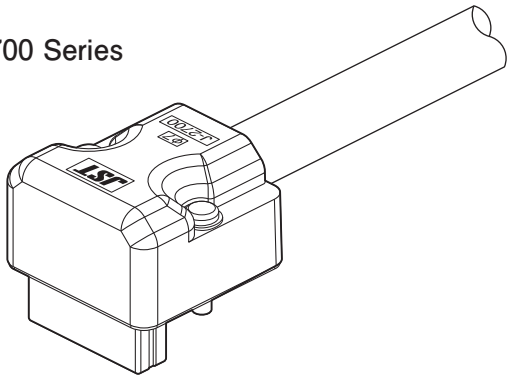
2.0 mm pitch, 2.5 mm pitch, 3.8 mm pitch/For motor-to-cable connection/Crimp style and Mating style

Connector kit assembly illustration

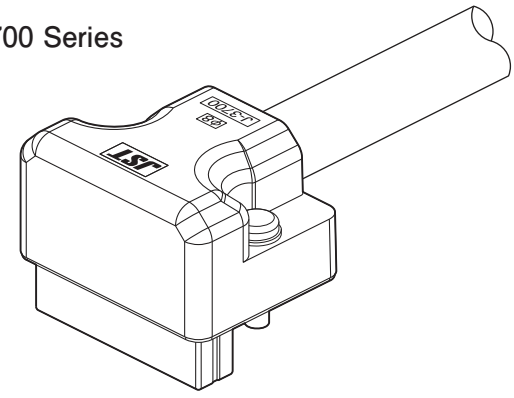
J1700 Series



J2700 Series



J3700 Series



This is a 6-circuit connector for servo motor power supply. It is compatible with the J1700M/J2700M/J3700M series (EMI-shielded models).

■ Specifications

- Current rating:
  - 5 A AC/DC J1700 Series/ 2.0 mm pitch (3-circuit, AWG #20)
  - 7 A AC/DC J2700 Series/ 2.5 mm pitch (3-circuit, AWG #20)
  - 10 A AC/DC J3700 Series/ 3.8 mm pitch (3-circuit, AWG #16)
- Voltage rating: 250 V AC/DC
- Temperature range: −55 ℃ to +105 ℃ (including temperature rise in applying electrical current)
- Water ingress protection with an IPX5 rating per IEC 60529
- Applicable cable O.D.:
  - φ7 ± 0.3 mm (J1700 Series/ J2700 Series)
  - φ8 ± 0.3 mm (J3700 Series)

* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the “Technical Documents” column on the Product Information page) before use.
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

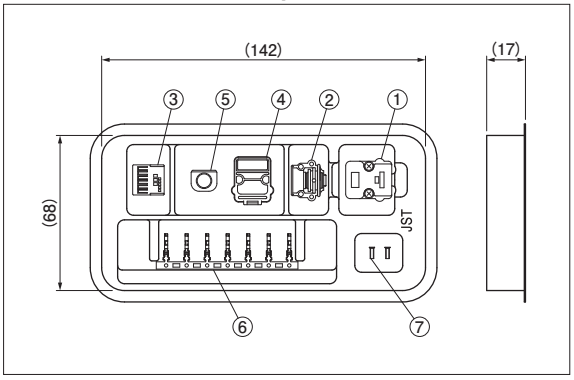
■ Standards

For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).

* Specifications registered to overseas standards may differ from the general specifications listed above.

Connector kit

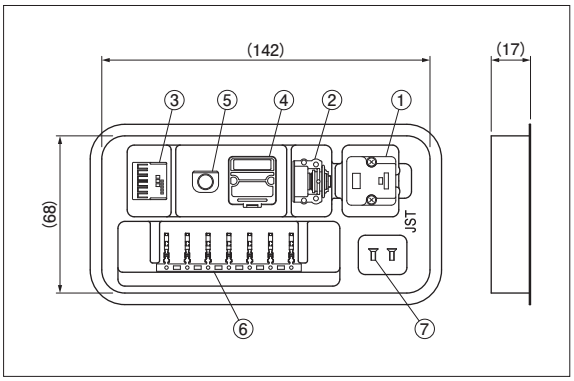
• J1700 Series/ 2.0 mm pitch



Connector kit Part number	Applicable Cable O.D.	Contact identifier	Set /box	No.	Part name	Q'ty /set
J17-06FMH-7KL-1M-CF	φ7	M	13	①	Top cover assembly	1
				②	Bottom cover assembly	1
				③	Receptacle housing	1
				④	Seal rubber plate	1
				⑤	Seal ring	1
				⑥	Receptacle contact	7
				⑦	Flat-head screw	2

Note: This product displays (PF) on a label.

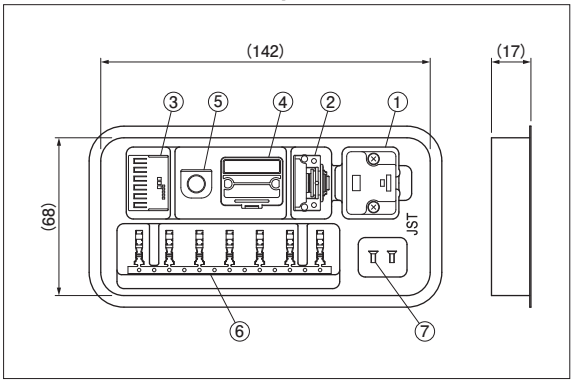
• J2700 Series/ 2.5 mm pitch



Connector kit Part number	Applicable Cable O.D.	Contact identifier	Set /box	No.	Part name	Q'ty /set
J27-06FMH-7KL-1M-CF	φ7	M	13	①	Top cover assembly	1
				②	Bottom cover assembly	1
				③	Receptacle housing	1
				④	Seal rubber plate	1
				⑤	Seal ring	1
				⑥	Receptacle contact	7
				⑦	Flat-head screw	2

Note: This product displays (PF) on a label.

• J3700 Series/ 3.8 mm pitch



Connector kit Part number	Applicable Cable O.D.	Contact identifier	Set /box	No.	Part name	Q'ty /set
J37-06FMH-8KL-1M-CF	φ8	M	13	①	Top cover assembly	1
				②	Bottom cover assembly	1
				③	Receptacle housing	1
J37-06FMH-8KL-1L-CF	φ8	L	13	④	Seal rubber plate	1
				⑤	Seal ring	1
				⑥	Receptacle contact	7
				⑦	Flat-head screw	2

Note: This product displays (PF) on a label.

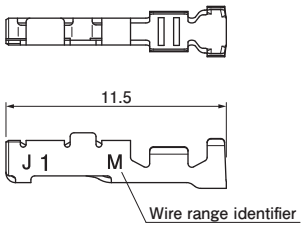
Connector kit contents

Part name	J1700 Series				J2700 Series				J3700 Series			
	Part number	Applicable Cable O.D.	Identifier	Q'ty	Part number	Applicable Cable O.D.	Identifier	Q'ty	Part number	Applicable Cable O.D.	Identifier	Q'ty
Top cover assembly[Note]	J17-7TCA-KR-CF	φ7	—	180/box	J27-7TCA-KR-CF	φ7	—	165/box	J37-8TCA-KR-CF	φ8	—	120/box
Bottom cover assembly	J17-7BCA-KR	φ7	—	504/box	J27-7BCA-KR	φ7	—	462/box	J37-8BCA-KR	φ8	—	315/box
Receptacle housing	J1FSN-06V-K	—	—	350/box	J2FSN-06V-K	—	—	300/box	J3FSN-06V-K	—	—	150/box
Seal rubber plate	J1SP-KN-1	—	—	350/box	J2SP-KN-1	—	—	400/box	J3SP-KN-1	—	—	300/box
Seal ring	JSR-7KN-1	φ7	—	1,000/bag	JSR-7KN-1	φ7	—	1,000/bag	JSR-8KN-1	φ8	—	600/bag
Receptacle contact	SJ1F-01GF-P0.8	—	M	6,000/reel	SJ2F-01GF-P1.0	—	M	6,000/reel	SJ3F-01GF-P1.8	—	M	3,500/reel
									SJ3F-41GF-P1.8	—	L	3,000/reel
Flat-head screw	PM1.6-5KZ-CF	—	—	10,000/box	PM2-5KZ-CF	—	—	6,000/box	PM2-5KZ-CF	—	—	6,000/box

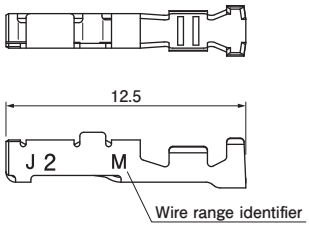
Note: This product displays (PF) on a label.

Receptacle contact

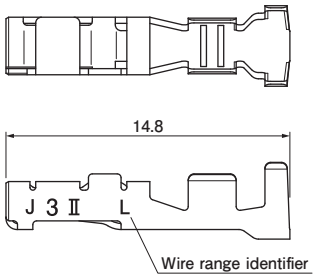
• J1000 Series



• J2000 Series



• J3000 Series



Series	Part number	Identifier	Applicable wire range		Q'ty/ reel
			Conductor size AWG (mm²)	Insulation O.D. (mm)	
J1000	**SJ1F-01GF-P0.8**	M	#24 to #20 (0.20 to 0.50)	1.11 to 1.53	6,000
J2000	**SJ2F-01GF-P1.0**	M	#24 to #20 (0.20 to 0.50)	1.11 to 1.53	6,000
J3000	**SJ3F-01GF-P1.8**	M	#24 to #20 (0.20 to 0.50)	1.11 to 1.86	3,500
	SJ3F-41GF-P1.8	L	#20 to #16 (0.50 to 1.25)	1.53 to 2.50	3,000

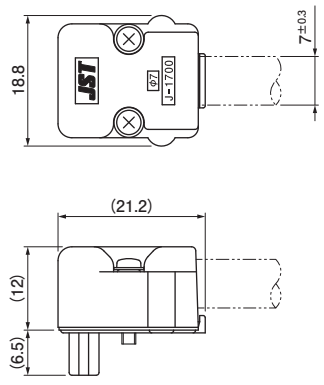
Material and Surface finish, etc.
Copper alloy, selective gold-plated

Crimping machine

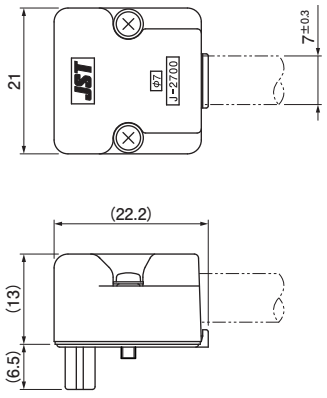
Series	Contact	Crimping machine	Applicator	Crimp applicator with dies	Hand tool
J1000	**SJ1F-01GF-P0.8**	AP-K2N	MKS-L	APLMK SJ1F/M01-08	YRS-8841
J2000	**SJ2F-01GF-P1.0**			APLMK SJ2F/M01-10	YRS-8861
J3000	**SJ3F-01GF-P1.8**			APLMK SF3F/M01-20	YRF-881
	SJ3F-41GF-P1.8			APLMK SF3F/M41-20	YRF-880

Connector kit assembly

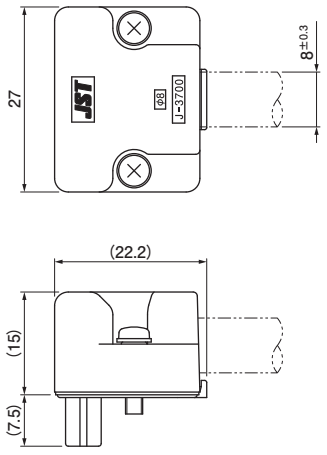
• J1700 Series



• J2700 Series



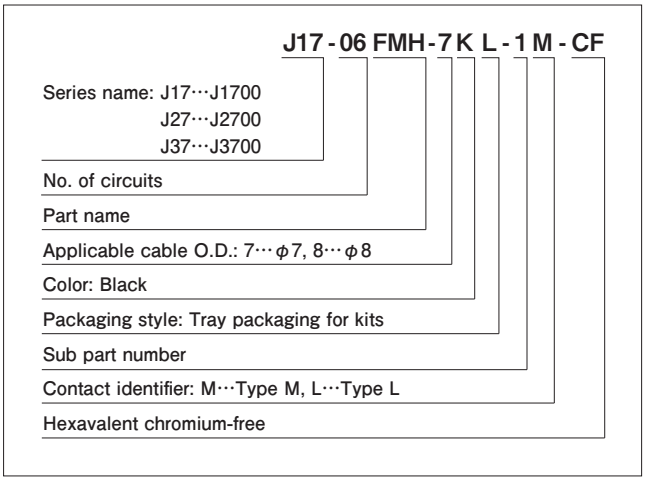
• J3700 Series



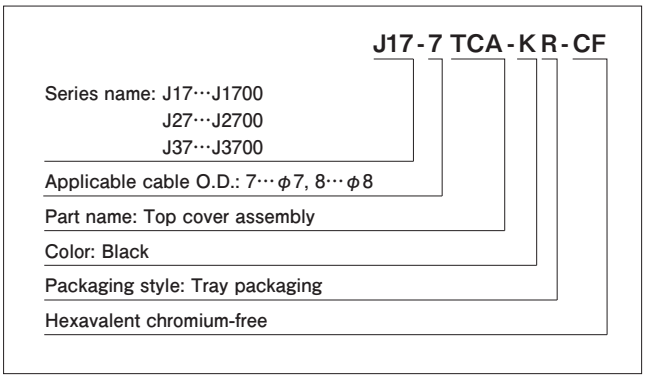
JST

Part number allocation

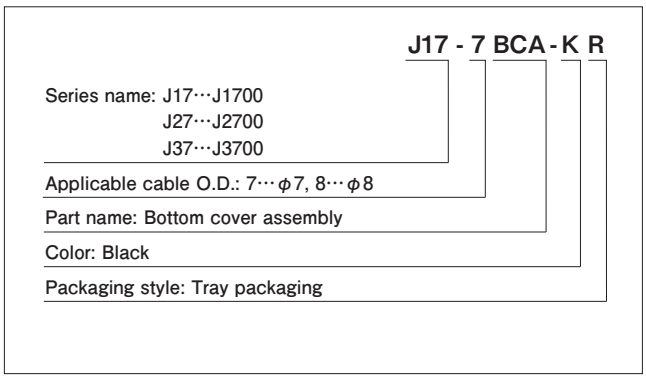
Connector kit



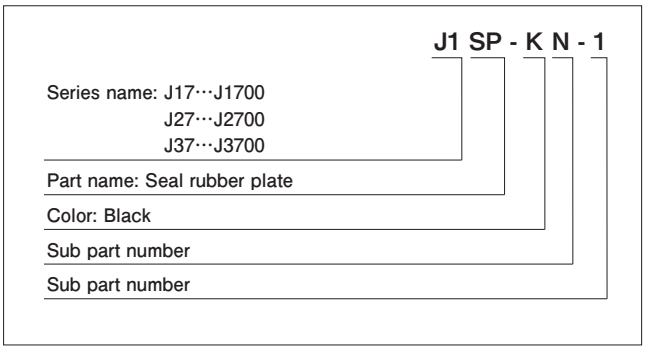
Top cover assembly



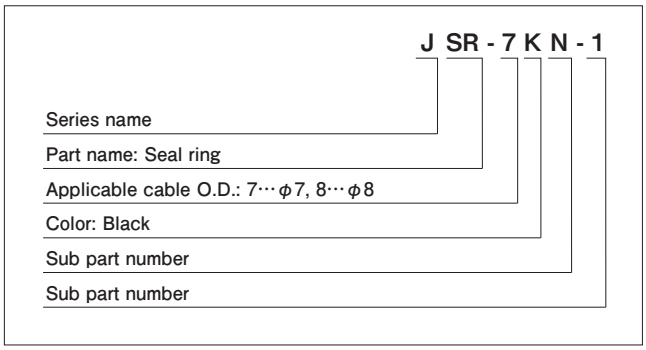
Bottom cover assembly



Seal rubber plate

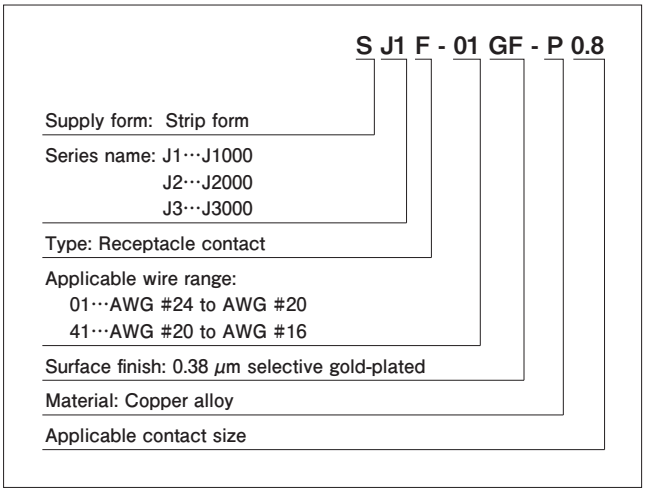


Seal ring

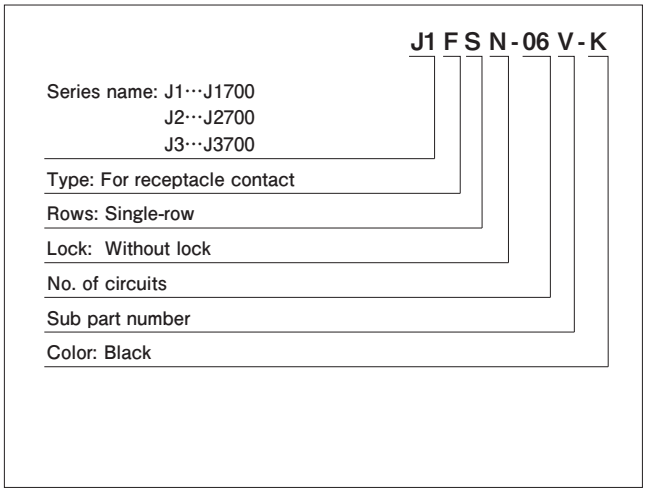


Part number allocation

Receptacle contact



Receptacle housing



Flat-head screw

