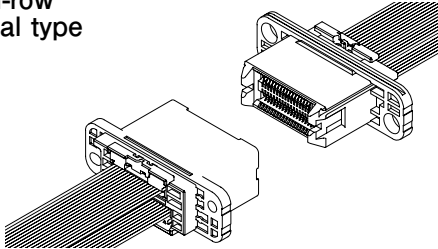


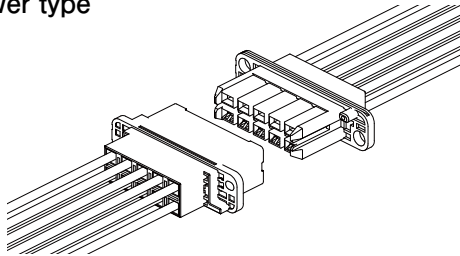
RFC CONNECTOR

Wire-to-Wire connectors

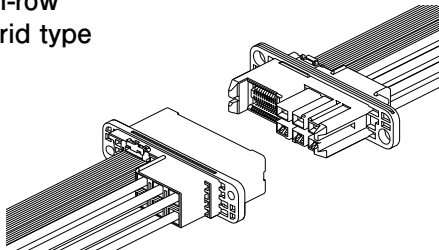
Dual-row
Signal type



Dual-row
Power type



Dual-row
Hybrid type



This is a hybrid-type drawer connector that combines both signal and power lines designed for unit-to-unit connections. It can absorb misalignment and small movements between units while featuring a highly reliable dual-contact structure to ensure stable connectivity. The RFC connector also provides exceptional durability when mating and unmating the connector.

■ Specifications

- Current rating:
 - Signal line: 1.0 A AC/DC (AWG #26, #27)
 - Power line: (6 circuits or less) 15 A AC/DC (AWG #14)
 - (10 circuits) 12 A AC/DC (AWG #14)
- Voltage rating: Signal line: 50 V AC/DC
Power line: 250 V AC/DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - Signal line: Initial value/ 40 mΩ max.
 - After environmental tests/ 60 mΩ max.
 - Power line: Initial value/ 10 mΩ max.
 - After environmental tests/ 20 mΩ max.
- Insulation resistance: 500 MΩ min.
- Withstanding voltage:
 - Signal line: There shall be no breakdown or flashover while applying 500 VAC for one minute.
 - Power line: There shall be no breakdown or flashover while applying 1,500 VAC for one minute.
- Applicable wire range:
 - Power line: Conductor size / AWG #22 to AWG #14
 - Insulation O.D. / ϕ 1.55 mm to ϕ 3.6 mm
 - Signal line for power: Conductor size / AWG #30 to AWG #26
 - Insulation O.D. / ϕ 0.6 mm to ϕ 0.8 mm
 - Signal line for receptacle: Applicable socket / CSR and CSH connectors
- Guaranteed mating cycles: 5,000 times
- * 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).

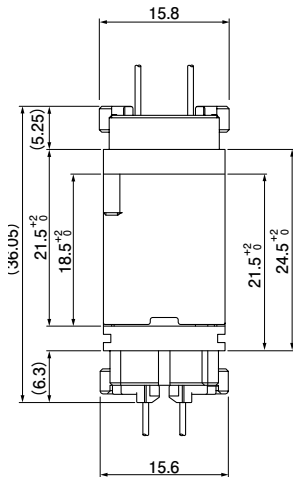
※ Specifications registered to overseas standards may differ from the general specifications listed above.

Assembly layout and Panel layout

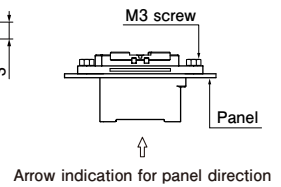
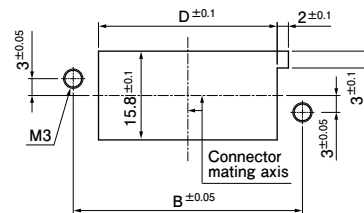
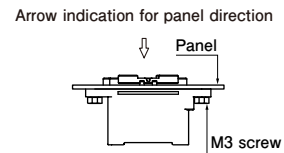
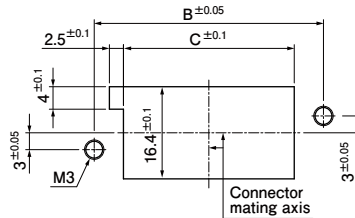
Dual-row Signal type

• Plug

Panel thickness : t 0.8 to 2.0



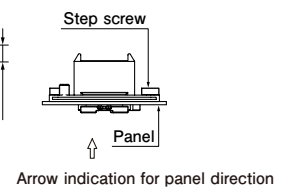
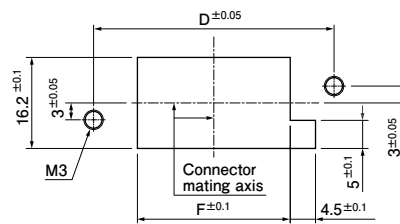
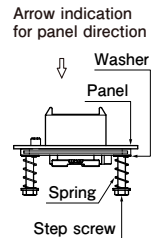
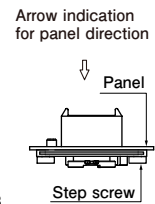
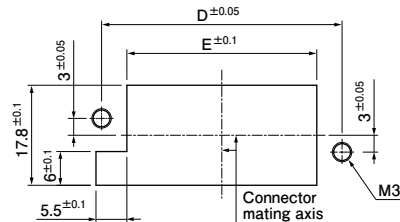
Model No.	Dimensions		
	B	C	D
RFCP-28W0-E	36.8	26.4	27.8
RFCP-36W0-E	40.8	30.4	31.8
RFCP-44W0-E	44.8	34.4	35.8



• Receptacle

Panel thickness : t 0.8 to 2.0

Model No.	Dimensions		
	D	E	F
28W0R-RFC-EGD	38.8	29.8	23.2
36W0R-RFC-EGD	42.8	33.8	27.2
44W0R-RFC-EGD	46.8	37.8	31.2

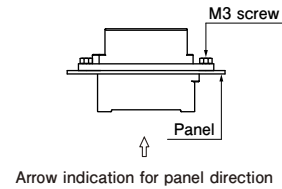
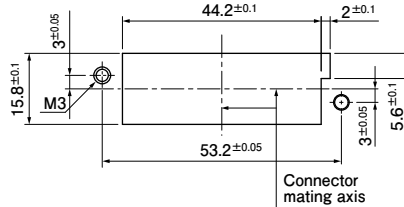
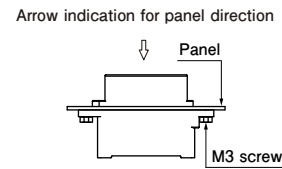
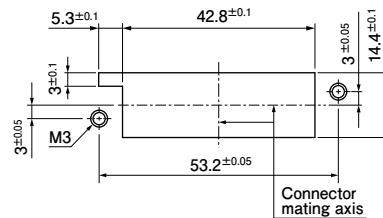
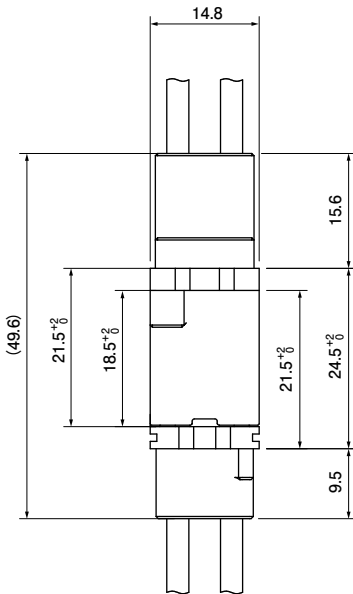


- Note:
1. Drill holes correspond to panel layout dimensions to prevent the formation of burrs, etc.
 2. When drilling multiple panel holes adjacent to each other, pay sufficient attention to the strength of the panel.
 3. During panel hole fabrication, be sure that the panel insertion direction of the connector is the same as the direction of the drilling process.

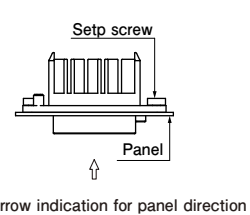
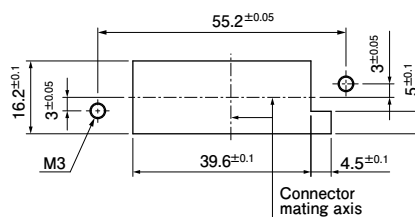
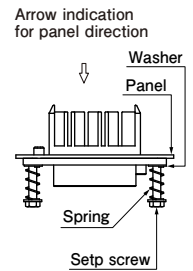
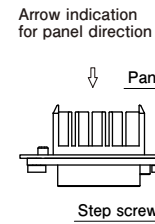
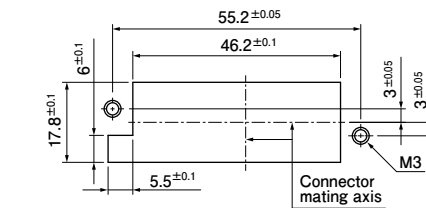
Assembly layout and Panel layout

Dual-row Power type

- Plug
Panel thickness : t 0.8 to 2.0



- Receptacle
Panel thickness : t 0.8 to 2.0



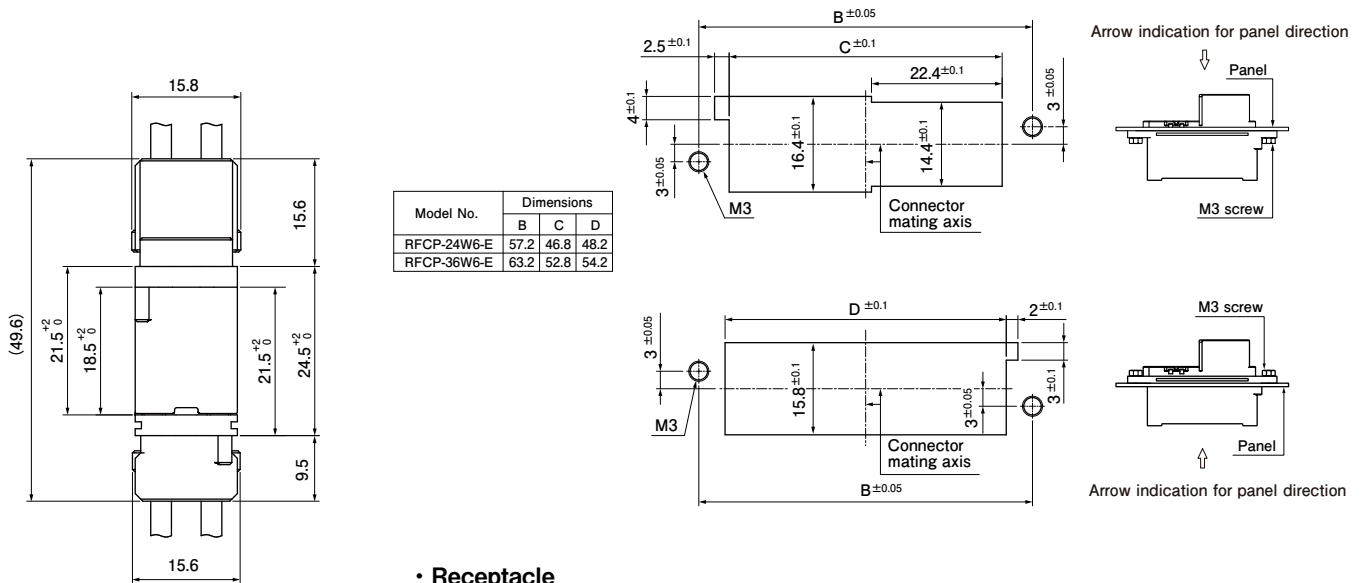
- Note:
1. Drill holes correspond to panel layout dimensions to prevent the formation of burrs, etc.
 2. When drilling multiple panel holes adjacent to each other, pay sufficient attention to the strength of the panel.
 3. During panel hole fabrication, be sure that the panel insertion direction of the connector is the same as the direction of the drilling process.

Assembly layout and Panel layout

Dual-row Hybrid type

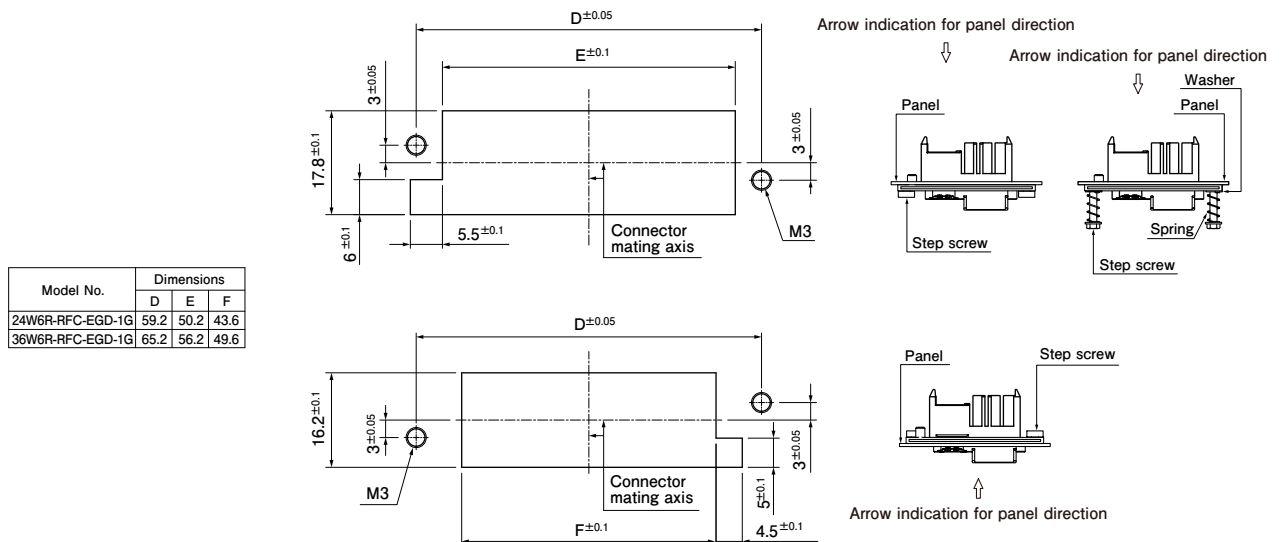
• Plug

Panel thickness : t 0.8 to 2.0



• Receptacle

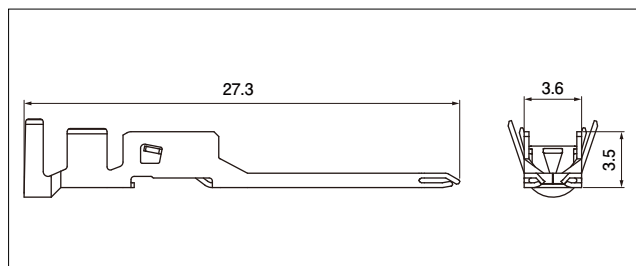
Panel thickness : t 0.8 to 2.0



- Note: 1. Drill holes correspond to panel layout dimensions to prevent the formation of burrs, etc.
 2. When drilling multiple panel holes adjacent to each other, pay sufficient attention to the strength of the panel.
 3. During panel hole fabrication, be sure that the panel insertion direction of the connector is the same as the direction of the drilling process.

RFC CONNECTOR

Plug contact for power line



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm ²)	Insulation O.D. (mm)	
SRFM-01GG-S0.9	#22 to #20 (0.3 to 0.5)	1.55 to 3.1	3,500
SRFM-61GG-S0.9	#18 to #14 (0.75 to 2.0)	2.0 to 3.6	3,500

Material and Surface finish, etc.

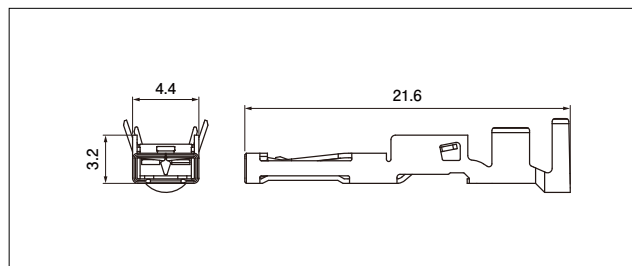
Copper alloy, gold-plated (contact area), tin-plated (crimp)

This product displays (LF)(SN) on a label.

Contact	Crimping machine	Applicator	Crimp applicator with dies
SRFM-01GG-S0.9	AP-K2N	MKS-L	APLMK SRFF/M01-09
SRFM-61GG-S0.9	AP-K2N	MKS-L	APLMK SRFF/M61-09

Note: Contact JST for fully automatic crimping applicator.

Receptacle contact for power line



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm ²)	Insulation O.D. (mm)	
SRFF-01GG-S0.9	#22 to #20 (0.3 to 0.5)	1.55 to 3.1	3,500
SRFF-61GG-S0.9	#18 to #14 (0.75 to 2.0)	2.0 to 3.6	3,500

Material and Surface finish, etc.

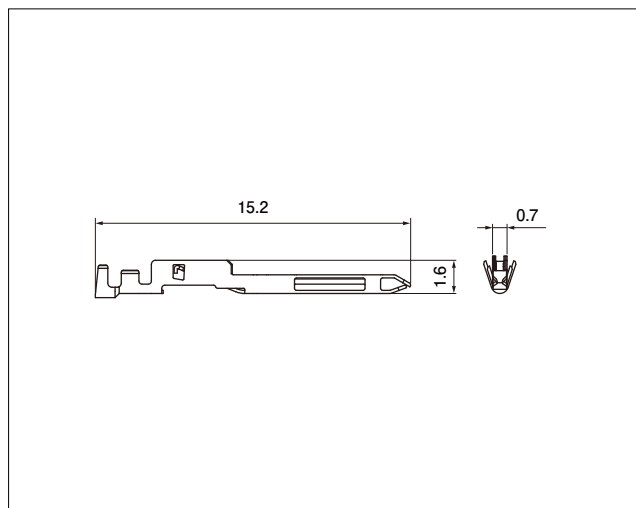
Copper alloy, gold-plated (contact area), tin-plated (crimp)

This product displays (LF)(SN) on a label.

Contact	Crimping machine	Applicator	Crimp applicator with dies
SRFF-01GG-S0.9	AP-K2N	MKS-L	APLMK SRFF/M01-09
SRFF-61GG-S0.9	AP-K2N	MKS-L	APLMK SRFF/M61-09

Note: Contact JST for fully automatic crimping applicator.

Plug contact for signal line



Model No.	Applicable wire range		Q'ty/ reel
	Conductor size AWG (mm ²)	Insulation O.D. (mm)	
SRFCP-002GG-M0.9	#30 to #26 (0.05 to 0.13)	0.6 to 0.8	18,000

Material and Surface finish, etc.

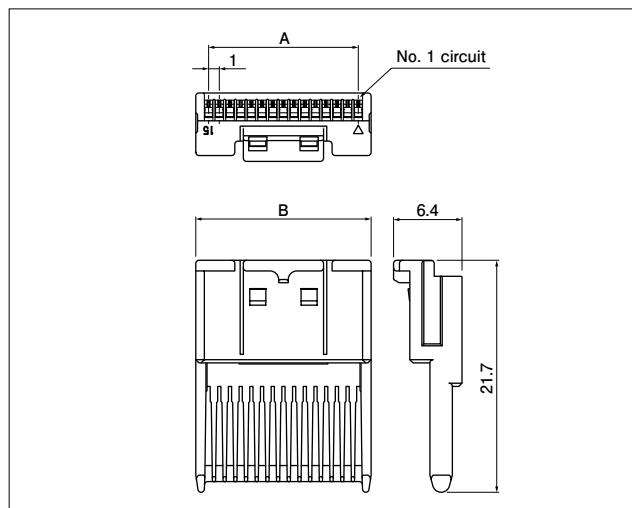
Copper alloy, gold-plated (contact area), tin-plated (crimp)

This product displays (LF)(SN) on a label.

Contact	Crimping machine	Applicator	Crimp applicator with dies
SRFCP-002GG-M0.9	AP-K2N	MKS-L-10-3	APLMK SRFCP002-09

Note: Contact JST for fully automatic crimping applicator.

Plug signal unit



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
11	RFCYP-11-Z	10.0	12.4	7,200
13	RFCYP-13-Z	12.0	14.4	6,000
15	RFCYP-15-Z	14.0	16.4	5,200
17	RFCYP-17-Z	16.0	18.4	4,800
19	RFCYP-19-Z	18.0	20.4	4,400
21	RFCYP-21-Z	20.0	22.4	4,000
23	RFCYP-23-Z	22.0	24.4	3,600

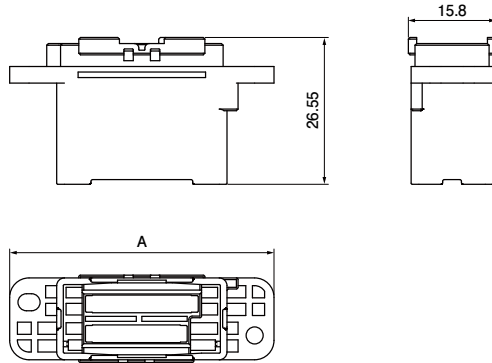
Material and Surface finish, etc.

LCP, natural

RFC CONNECTOR

Plug housing

Dual-row Signal type

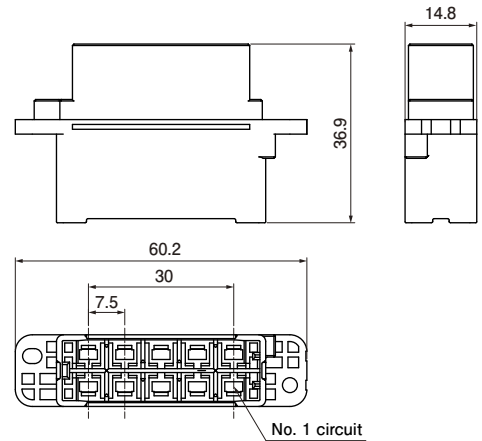


No. of circuits		Model No.	Dimensions (mm)	Q'ty/box
Power	Signal		A	
-	28	RFCP-28W0-E	43.8	400
-	36	RFCP-36W0-E	47.8	400
-	44	RFCP-44W0-E	51.8	350

Material and Surface finish, etc.

PBT (GF) , blue

Dual-row Power type

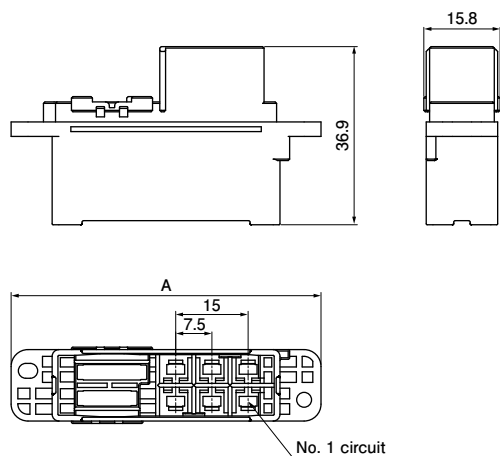


No. of circuits		Model No.	Q'ty/box
Power	Signal		
10	-	RFCP-10W-E	240

Material and Surface finish, etc.

PBT (GF) , blue

Dual-row Hybrid type



No. of circuits		Model No.	Dimensions (mm)	Q'ty/box
Power	Signal		A	
6	24	RFCP-24W6-E	64.2	200
6	36	RFCP-36W6-E	70.2	200

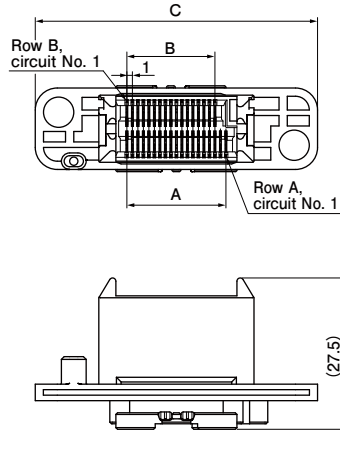
Material and Surface finish, etc.

PBT (GF) , blue

RFC CONNECTOR

Receptacle

Dual-row Signal type



No. of circuits		Model No.	Dimensions (mm)			Q'ty/box
Power	Signal		A	B	C	
-	28	28W0R-RFC-EGD	14.0	12.0	47.3	400
-	36	36W0R-RFC-EGD	18.0	16.0	51.3	350
-	44	44W0R-RFC-EGD	22.0	20.0	55.3	300

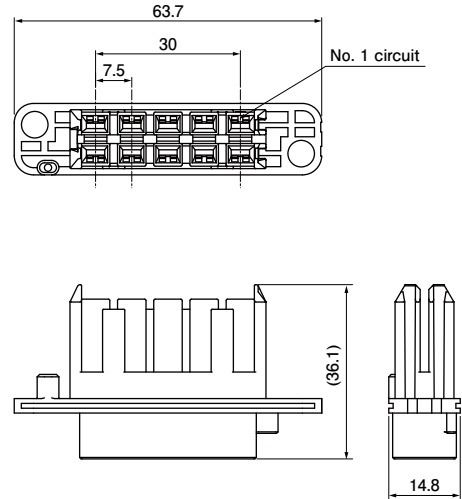
Material and Surface finish, etc.

Signal contact : Copper alloy, gold-plated (mating section),
tin-plate (socket section)

Housing : PBT (GF), blue

This product displays (LF)(SN) on a label.

Dual-row Power type

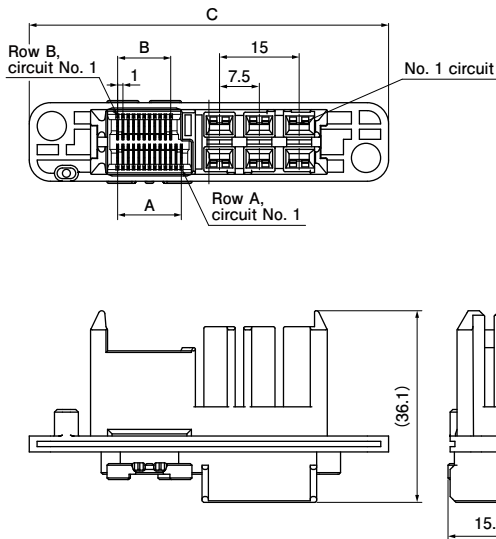


No. of circuits		Model No.	Q'ty/box
Power	Signal		
10	-	RFCR-10W-E-1G	240

Material and Surface finish, etc.

PBT (GF), blue

Dual-row Hybrid type



No. of circuits		Model No.	Dimensions (mm)			Q'ty/box
Power	Signal		A	B	C	
6	24	24W6R-RFC-EGD-1G	12.0	10.0	67.7	200
6	36	36W6R-RFC-EGD-1G	18.0	16.0	73.7	160

Material and Surface finish, etc.

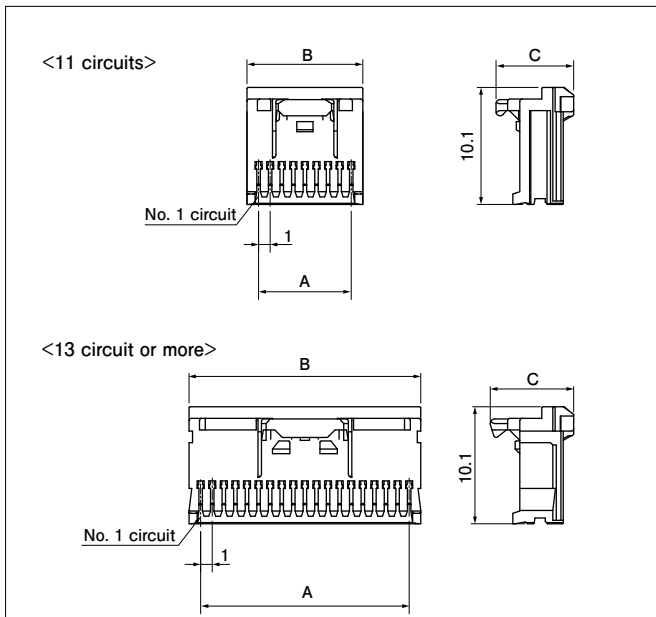
Signal contact : Copper alloy, gold-plated (mating section),
tin-plate (socket section)

Housing : PBT (GF), blue

This product displays (LF)(SN) on a label.

RFC CONNECTOR

CSR Connector Socket

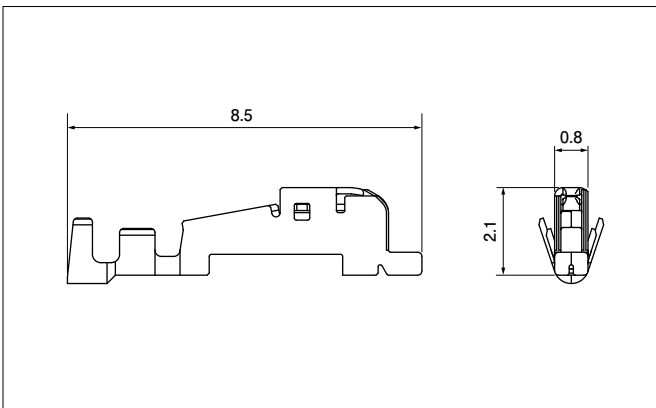


No. of circuits	Model No.	Dimensions (mm)			Q'ty/box
		A	B	C	
11	11CSR-8PK	10.0	12.0	6.7	4,500
13	13CSR-8PK	12.0	14.0	7.2	3,780
15	15CSR-8PK	14.0	16.0	7.2	3,240
17	17CSR-8PK	16.0	18.0	7.2	2,880
19	19CSR-8PK	18.0	20.0	7.2	2,700
21	21CSR-8PK	20.0	22.0	7.2	2,340
23	23CSR-8PK	22.0	24.0	7.2	2,160

Material and Surface finish, etc.

Contact : Copper alloy, tin-plated
Housing : PBT, pink

CSH Connector Contact



Model No.	Applicable wire range		Q'ty/reel
	Conductor size AWG (mm ²)	Insulation O.D. (mm)	
SCSH-002T-P0.2N	#30 to #26 (0.05 to 0.13)	0.6 to 0.8	12,000

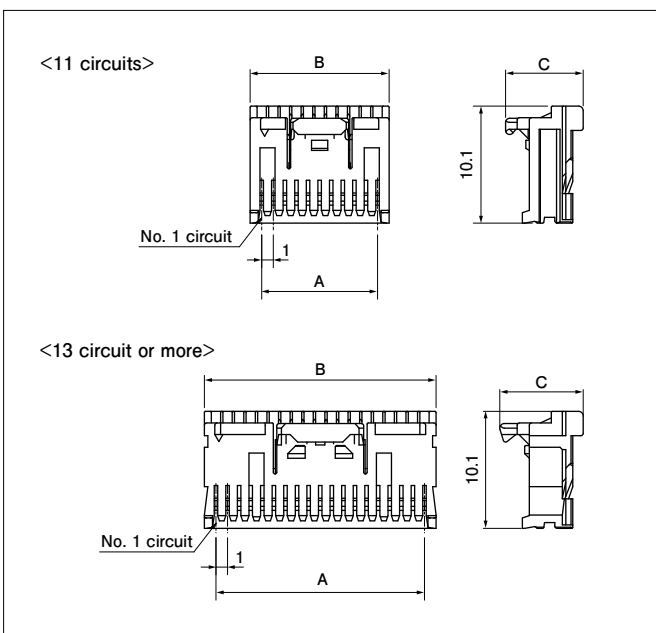
Material and Surface finish, etc.

Copper alloy, tin-plated

Contact	Crimping machine	Applicator	Crimp applicator with dies
SCSH-002T-P0.2N	AP-K2N	MKS-L-10-3	APLMK SCSH002-02

Note: Contact JST for fully automatic crimping applicator.

CSH Connector Housing



No. of circuits	Model No.	Dimensions (mm)			Q'ty/box
		A	B	C	
11	CSH-11-PK-N	10.0	12.0	6.7	10,000
13	CSH-13-PK-N	12.0	14.0	7.2	10,000
15	CSH-15-PK-N	14.0	16.0	7.2	10,000
17	CSH-17-PK-N	16.0	18.0	7.2	5,000
19	CSH-19-PK-N	18.0	20.0	7.2	5,000

Material and Surface finish, etc.

Housing : PBT, pink