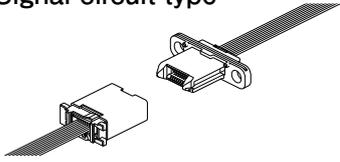


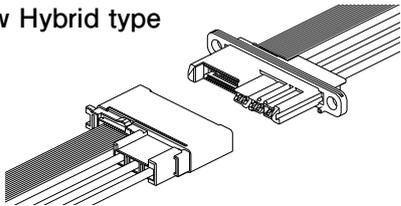
RFC CONNECTOR

Disconnectable Crimp style Wire-to-wire connectors

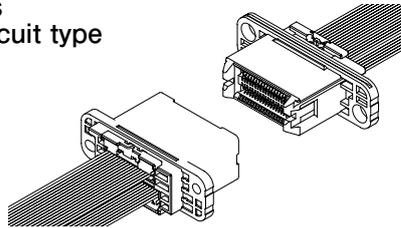
Single row Signal circuit type



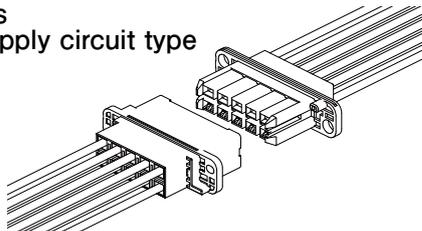
Single row Hybrid type



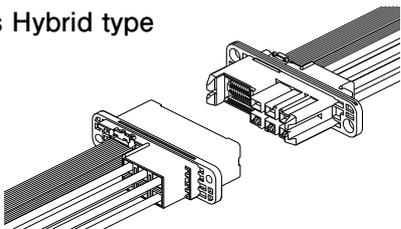
Dual rows Signal circuit type



Dual rows Power supply circuit type



Dual rows Hybrid type



Signal / hybrid type drawer connector for unit connection. The RFC connector absorbs misalignment between the two units and also excels in durability. The contact reliability has been enhanced by revising contact structure.

Standards

⚡: Recognized E 60389

⚠: J 50272912

Specifications

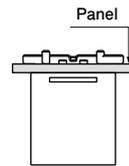
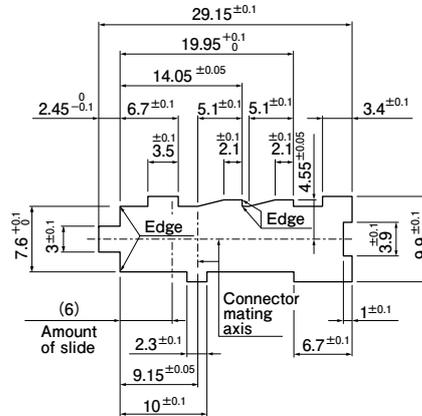
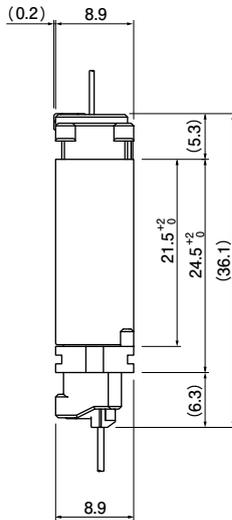
- Current rating:
 - Signal circuit: 1.0 A AC/DC (AWG #26, #27)
 - Power supply circuit: (6 circuits or less) 15 A AC/DC (AWG #14) (10 circuits) 12 A AC/DC (AWG #14)
 - Voltage rating: Signal circuit: 50 V AC/DC
Power supply circuit: 250 V AC/DC
 - Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
 - Contact resistance:
 - Signal circuit: Initial value/ 40 mΩ max.
After environmental tests/ 60 mΩ max.
 - Power supply circuit: Initial value/ 10 mΩ max.
After environmental tests/ 20 mΩ max.
 - Insulation resistance: 500 MΩ min.
 - Withstanding voltage: Signal circuit: 500 ACV
Power supply circuit: 1,500 ACV
 - Applicable wire:
 - Power supply circuit: Conductor size / AWG #22 to #14
Insulation O.D. / φ 1.55 mm to φ 3.6 mm
 - Plug signal circuit: Conductor size / AWG #30 to #26
Insulation O.D. / φ 0.6 mm to φ 0.8 mm
 - Receptacle signal circuit: Applicable socket /
CSR and CSH connectors
 - Guarantee of repeated mating/unmating performance: 5,000 cycles
- * In using the products, refer to "Handling Precaution for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * Dimensional unit: mm
- * RoHS2 Compliance
- * Contact JST for details.

RFC CONNECTOR

Single row Signal circuit type

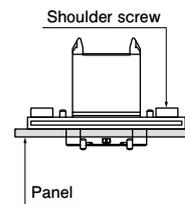
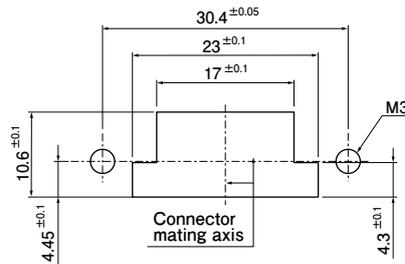
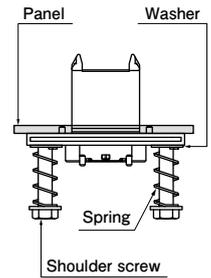
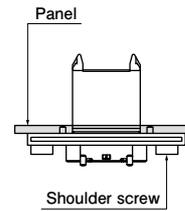
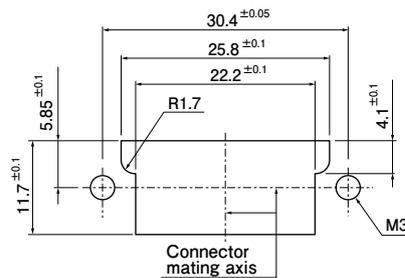
• Plug

Panel thickness: t 2.0



• Receptacle

Panel thickness: t 0.8 to 2.0



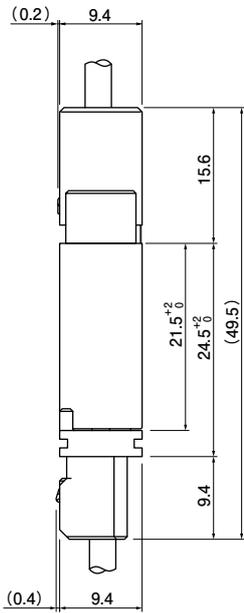
• Mating circuits

	No. of circuits
Plug signal unit	1
RFC receptacle	1
CSH/CSR	1

Note: 1. Punch holes in the panel as shown in the figure above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

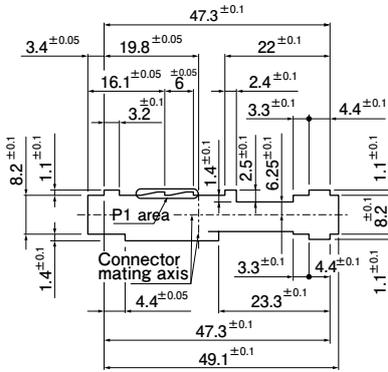
RFC CONNECTOR

Single row
Hybrid type

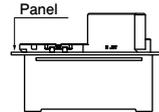
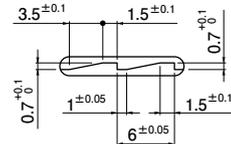


• Plug

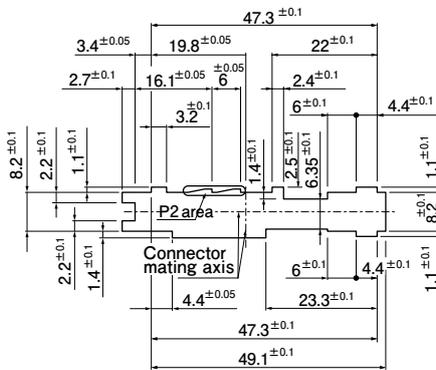
Panel thickness: t 1.0



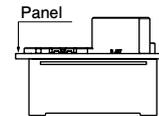
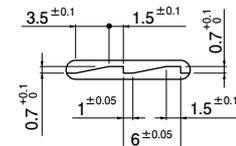
Details of P1 area



Panel thickness: t 2.0

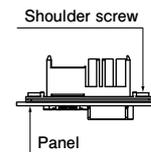
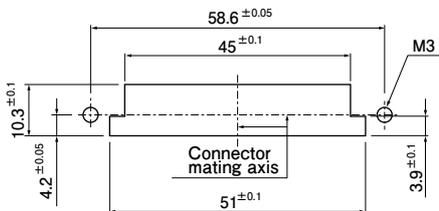
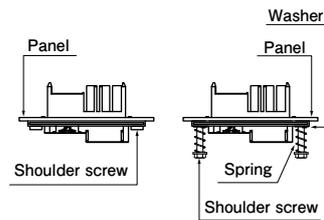
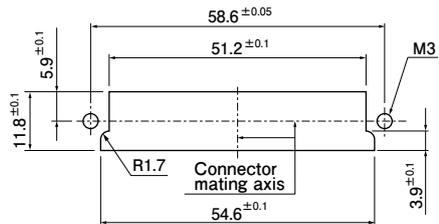


Details of P2 area



• Receptacle

Panel thickness: t 0.8 to 2.0



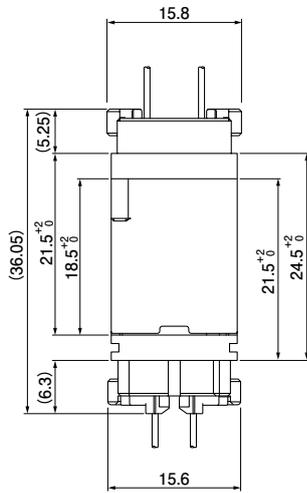
• Mating circuits

	No. of circuits
Plug signal unit	1
RFH receptacle	1
CSH/CSR	1

	No. of circuits
Plug contact for power supply circuit	1
Receptacle contact for power supply circuit	1

Note: 1. Punch holes in the panel as shown in the figure above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

Dual rows Signal circuit type

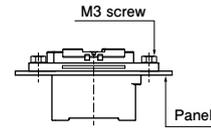
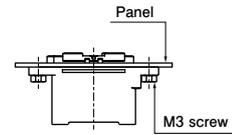
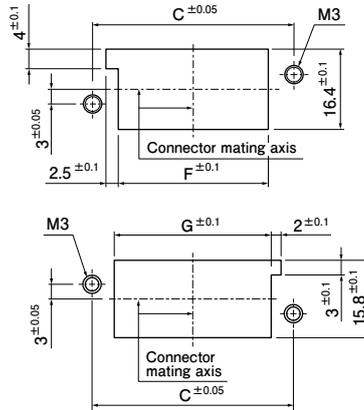


• Mating circuits

	No. of circuits
Plug signal unit	1
RFC receptacle	1
CSH/CSR	1

• Plug

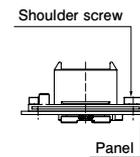
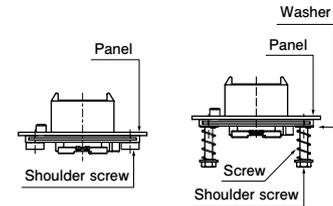
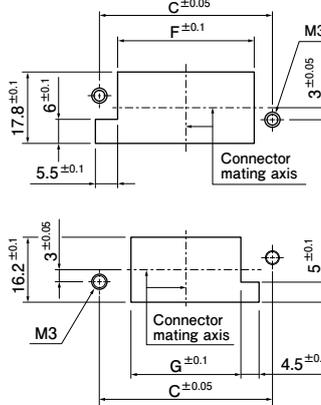
Panel thickness: t0.8 to 2.0



Note) C, F and G dimensions: Refer to page 8

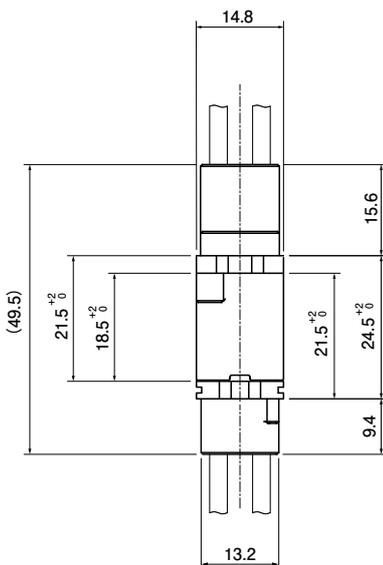
• Receptacle

Panel thickness: t0.8 to 2.0



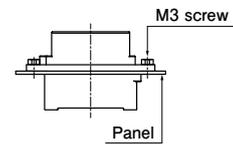
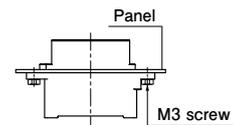
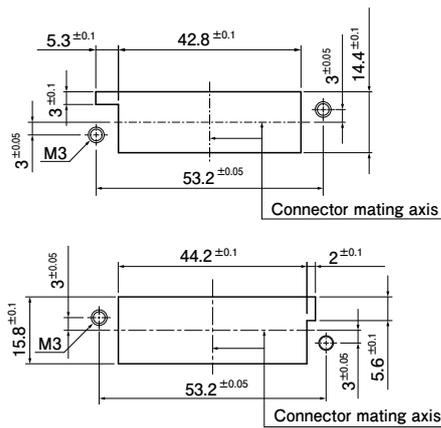
Note) C, F and G dimensions: Refer to page 10

Dual rows Power supply circuit type



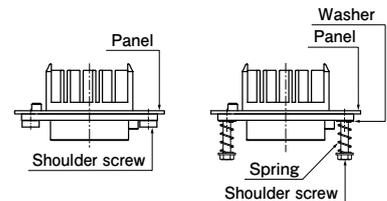
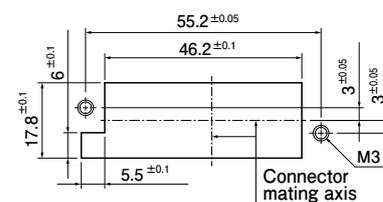
• Plug

Panel thickness: t0.8 to 2.0



• Receptacle

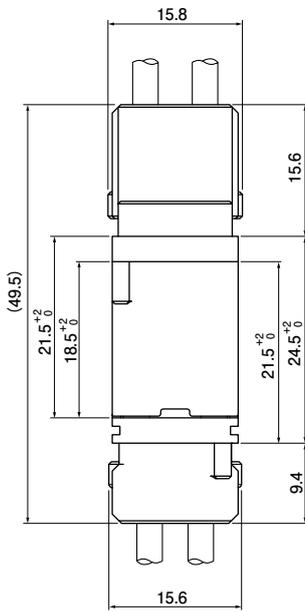
Panel thickness: t0.8 to 2.0



Note: 1. Punch holes in the panel as shown in the figure above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

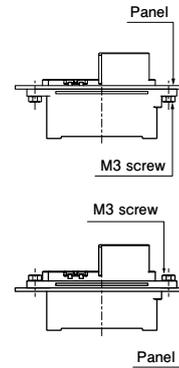
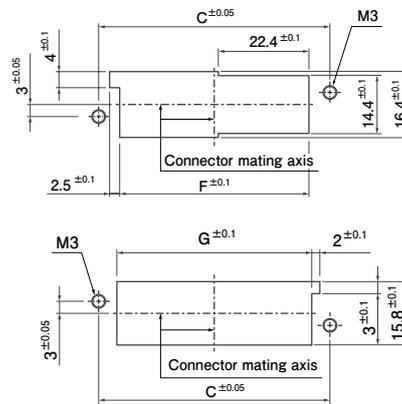
RFC CONNECTOR

Dual rows
Hybrid type



• Plug

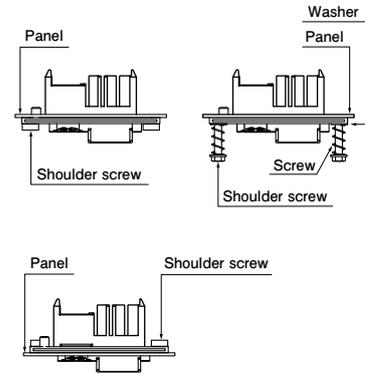
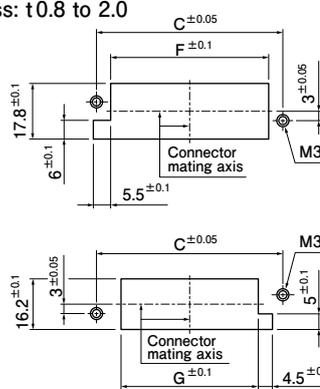
Panel thickness: t0.8 to 2.0



Note) C, F and G dimensions: Refer to page 8

• Receptacle

Panel thickness: t0.8 to 2.0



Note) C, F and G dimensions: Refer to page 10

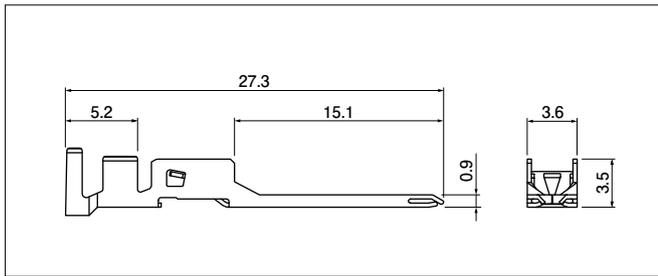
• Mating circuits

	No. of circuits
Plug signal unit	1
RFC receptacle	1
CSH/CSR	1
	No. of circuits
Plug contact for power supply circuit	1
Receptacle contact for power supply circuit	1

- Note: 1. Punch holes in the panel as shown in the figure above. Burrs must be removed.
2. The strength of the panel must be considered when punching two or more holes.
3. The connector must be inserted from the same side as the hole is punched.

RFC CONNECTOR

Plug contact for power supply circuit



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

Material and Finish

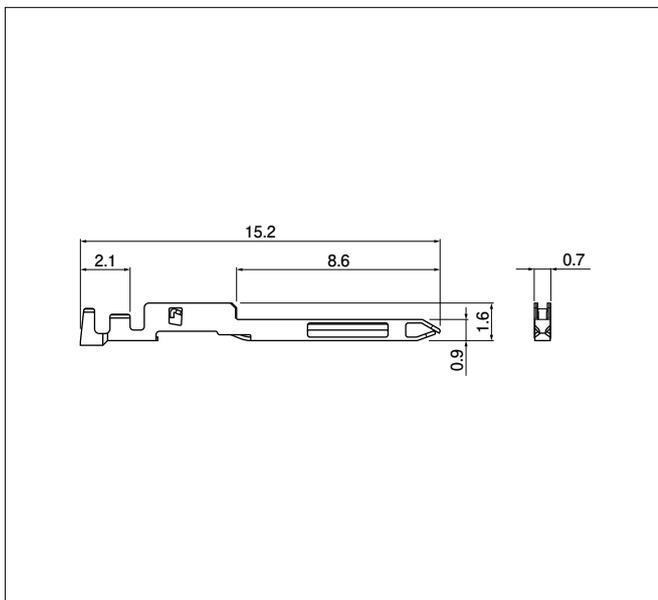
Copper alloy, nickel-undercoated, Contacting part: gold-plated
Crimping part: tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF) (SN) on a label.

Contact	Crimping machine	Applicator	
		Crimp 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.

Plug contact for signal circuit



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

Material and Finish

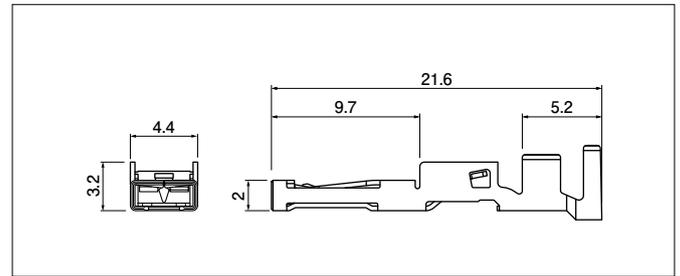
Copper alloy, nickel-undercoated, Contacting part: gold-plated
Crimping part: tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF) (SN) on a label.

Contact	Crimping machine	Applicator	
		Crimp 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.

Receptacle contact for power supply circuit



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

Material and Finish

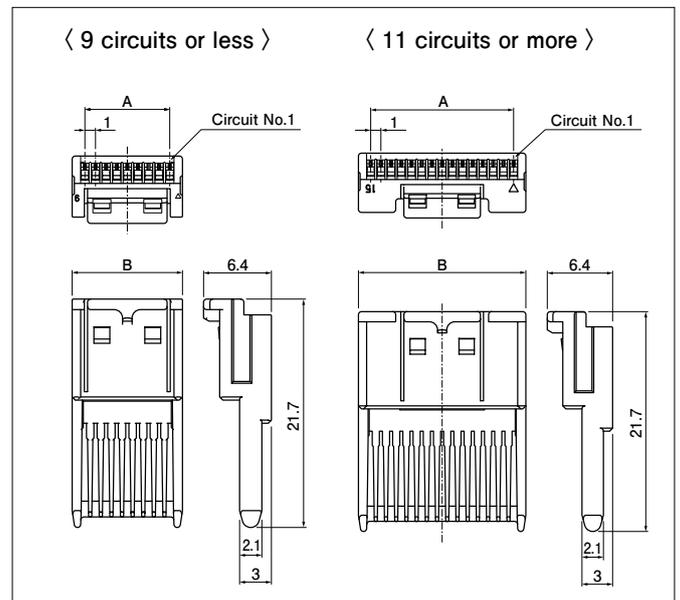
Copper alloy, nickel-undercoated, Contacting part: gold-plated
Crimping part: tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF) (SN) on a label.

Contact	Crimping machine	Applicator	
		Crimp 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 signal unit



No. of circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
9	RFCYP-09-Z-S	8.0	10.4	8,400
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 Finish

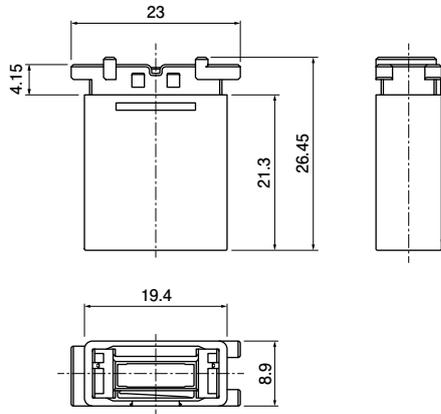
Heat resistant resin, UL94V-0, natural

RoHS2 compliance

RFC CONNECTOR

Plug

Single row Signal circuit type



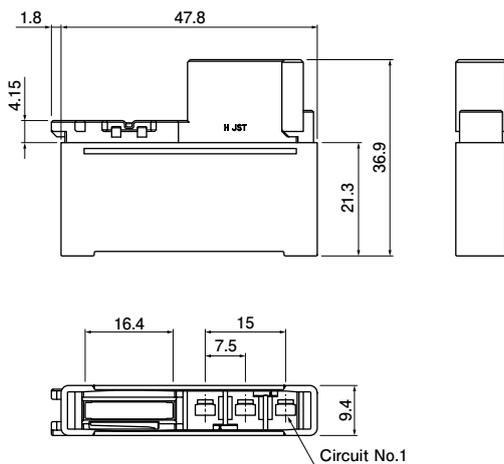
No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
N/A	9	RFCP-09S0-RJ-M	1,620

Material and Finish

Thermoplastic resin, UL94V-0, green

RoHS2 compliance

Single row Hybrid type



No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
3	15	RFCP-15S3-SRL-K	360

Material and Finish

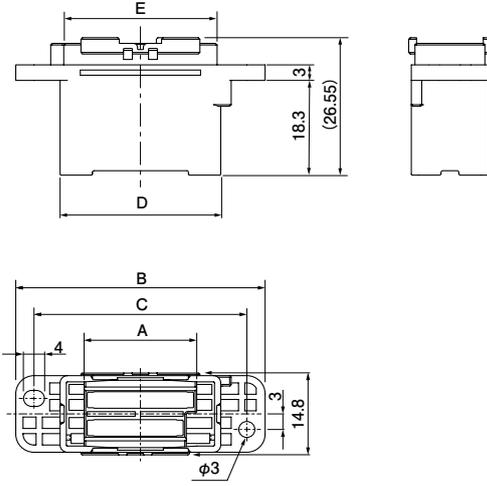
Heat resistant resin, UL94V-0, black

RoHS2 compliance

RFC CONNECTOR

Plug

Dual rows Signal circuit type



No. of circuits		Model No.	Dimensions (mm)						Q'ty/ box	
Power supply	Signal		A	B	C	D	E	F		G
N/A	28	RFCP-28W0-E	16.4	43.8	36.8	26.8	25.4	26.4	27.8	400
N/A	36	RFCP-36W0-E	20.4	47.8	40.8	30.8	29.4	30.4	31.8	400
N/A	44	RFCP-44W0-E	24.4	51.8	44.8	34.8	33.4	34.4	35.8	350

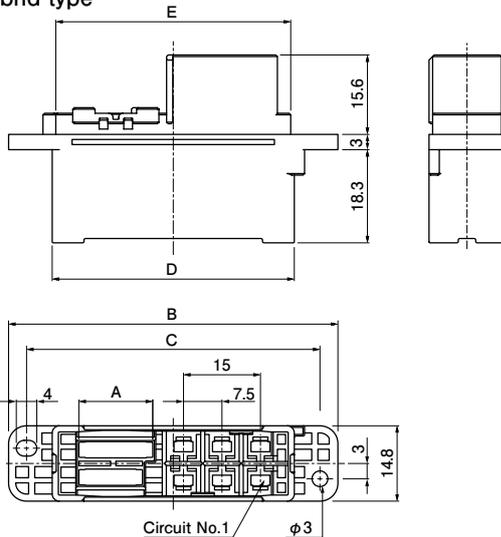
Material and Finish

Thermoplastic resin, UL94V-0, blue

RoHS2 compliance

Note) F, G dimensions: Refer to the panel layout (P4)

Dual rows Hybrid type



No. of circuits		Model No.	Dimensions (mm)						Q'ty/ box	
Power supply	Signal		A	B	C	D	E	F		G
6	24	RFCP-24W6-E	14.4	64.2	57.2	47.2	45.8	46.8	48.2	200
6	36	RFCP-36W6-E	20.4	70.2	63.2	53.2	51.8	52.8	54.2	200

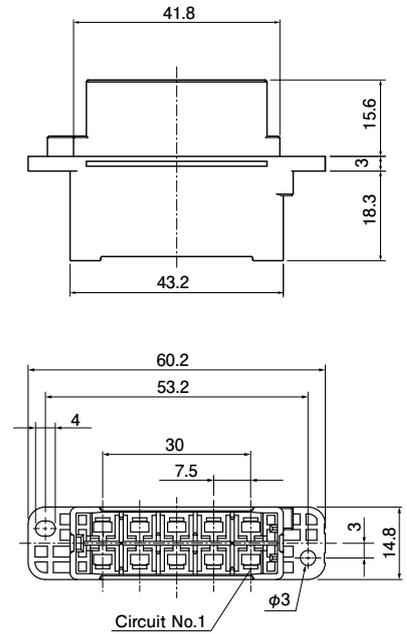
Material and Finish

Thermoplastic resin, UL94V-0, blue

RoHS2 compliance

Note) F, G dimensions: Refer to the panel layout (P5)

Dual rows Power supply circuit type



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

Material and Finish

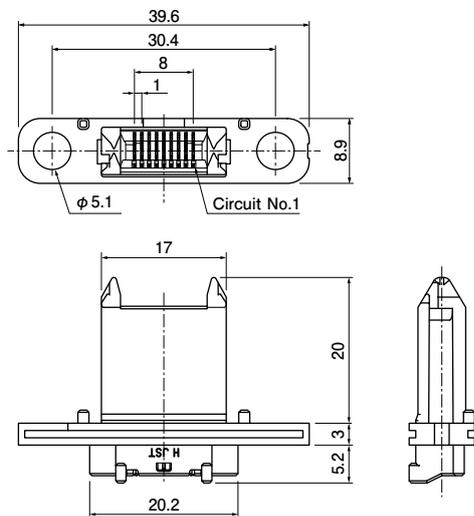
Thermoplastic resin, UL94V-0, blue

RoHS2 compliance

RFC CONNECTOR

Receptacle

Single row Signal circuit type



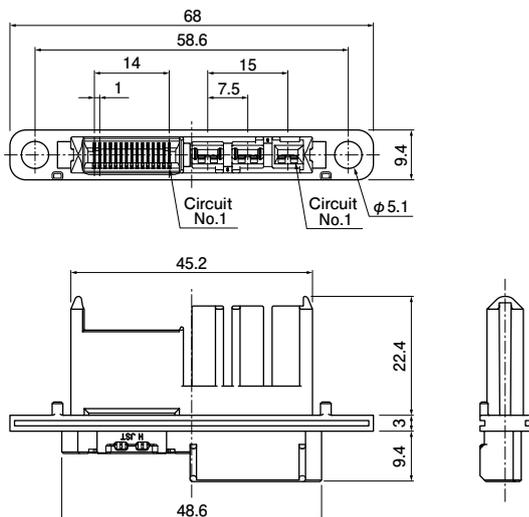
No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
N/A	9	09S0R-RFC-MGD	576

Material and Finish

Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment)
 Housing: Thermoplastic resin, UL94V-0, green

RoHS2 compliance This product displays (LF) (SN) on a label.

Single row Hybrid type



No. of circuits		Model No.	Q'ty/box
Power supply	Signal		
3	15	15S3R-RFC-SKGD	340

Material and Finish

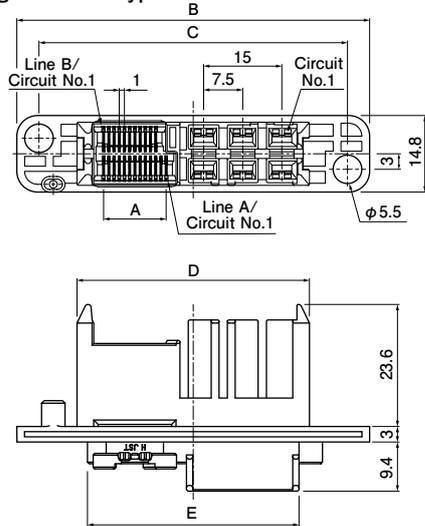
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment)
 Housing: Heat resistant resin, UL94V-0, black

RoHS2 compliance This product displays (LF) (SN) on a label.

RFC CONNECTOR

Receptacle

Dual rows Signal circuit type



No. of circuits		Model No.	Dimensions (mm)							Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	G	
N/A	28	28W0R-RFC-EGD	14.0	47.3	38.8	24.2	20.2	29.8	23.2	400
N/A	36	36W0R-RFC-EGD	18.0	51.3	42.8	28.2	24.2	33.8	27.2	350
N/A	44	44W0R-RFC-EGD	22.0	55.3	46.8	32.2	28.2	37.8	31.2	300

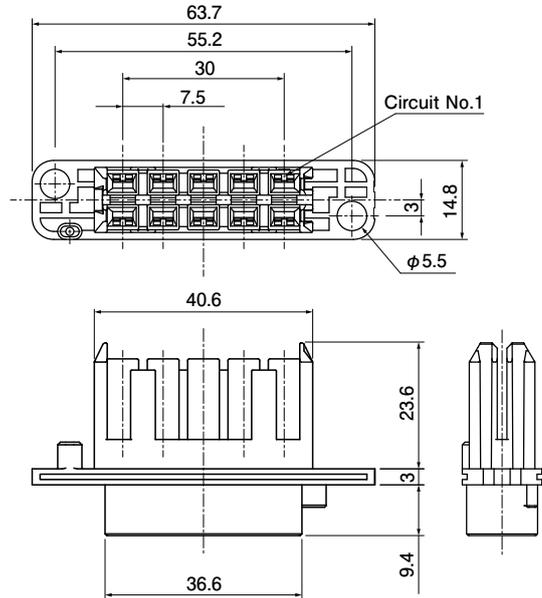
Material and Finish

Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment)

Housing: Thermoplastic resin, UL94V-0, blue

RoHS2 compliance This product displays (LF) (SN) on a label Note) F, G dimensions: Refer to the panel layout (P4).

Dual rows Power supply circuit type



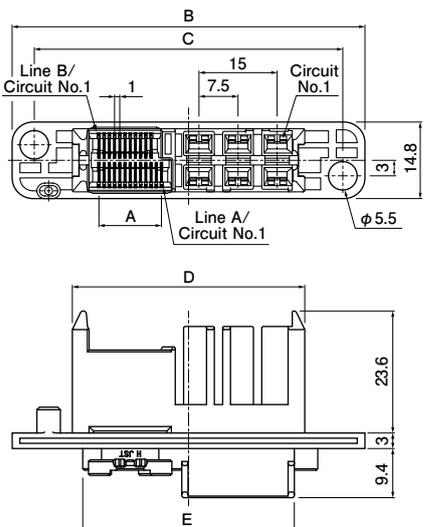
No. of circuits		Model No.	Q'ty/ box
Power supply	Signal		
10	N/A	RFCR-10W-E-1G	240

Material and Finish

Thermoplastic resin, UL94V-0, blue

RoHS2 compliance

Dual rows Hybrid type



No. of circuits		Model No.	Dimensions (mm)							Q'ty/ box
Power supply	Signal		A	B	C	D	E	F	G	
6	24	24W6R-RFC-EGD-1G	12.0	67.7	59.2	44.6	40.6	50.2	43.6	200
6	36	36W6R-RFC-EGD-1G	18.0	73.7	65.2	50.6	46.6	56.2	49.6	160

Material and Finish

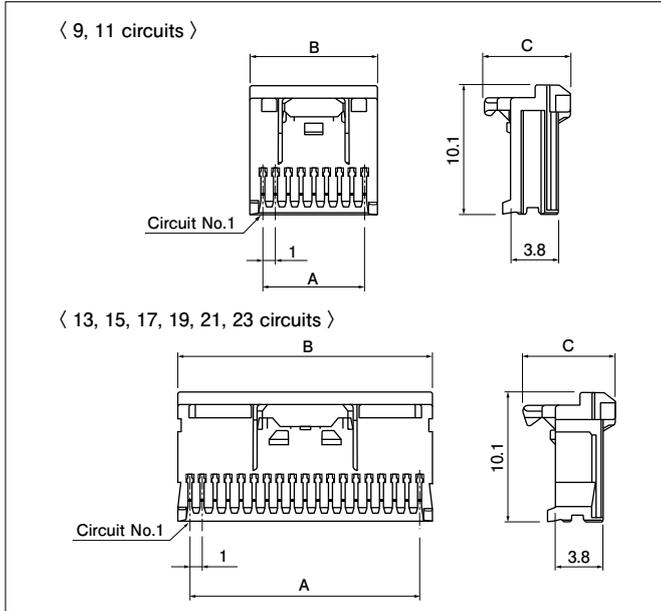
Signal contact: Copper alloy, nickel-undercoated, selective gold-plated, tin-plated (reflow treatment)

Housing: Thermoplastic resin, UL94V-0, blue

RoHS2 compliance This product displays (LF) (SN) on a label Note) F, G dimensions: Refer to the panel layout (P5).

RFC CONNECTOR

CSR connector socket



No. of circuits	Model No.	Dimensions (mm)			Q'ty/box
		A	B	C	
9	09CSR-8PK	8.0	10.0	6.7	5,400
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

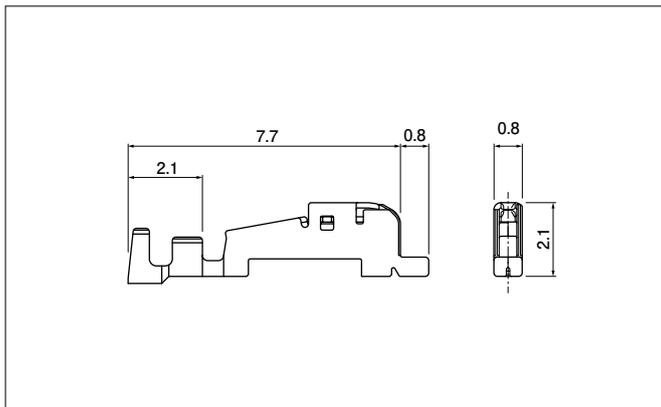
Material and Finish

Contact: Copper alloy, tin-plated

Housing: Thermoplastic resin, UL94V-0, pink

RoHS2 compliance

CSH connector contact



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

Material and Finish

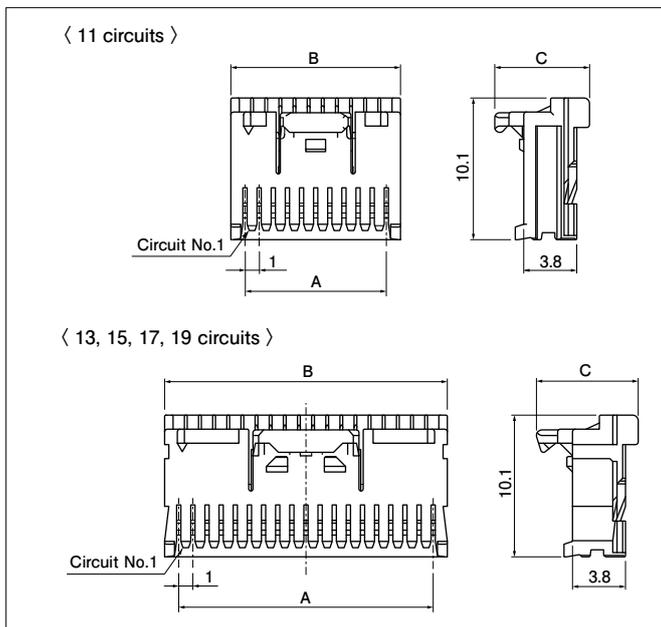
Copper alloy, tin-plated

RoHS2 compliance

Contact	Crimping machine	Applicator	
		Crimp 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 Finish

Housing: Thermoplastic resin, UL94V-0, pink

RoHS2 compliance