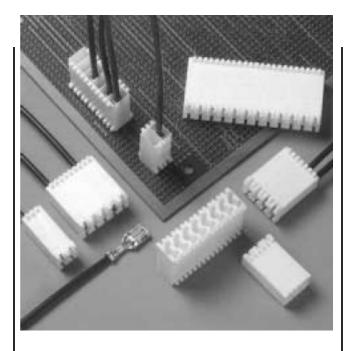


Connectors for Tabs



Features

Secure locking, easy insertion

The combination of terminal and housing allows easy mating to a male tab. Unmating is equally easy. Simply hold the housing and pull. The contact locking spring is depressed by the taper inside the housing. The locking mechanism prevents accidental disengagement of the contact from the mating tab.

Stable contact performance

The contact is designed as a low insertion force with a Large contact area to give stable performance, even when high current is applied.

•Lanceless contacts help prevent back out

Removal of the locking lance from the contact and putting it in the housing eliminates a major cause of contact backout due to damaged locking lances during termination and harness assembly.

Housing options

Selective removal of the built-in keys, allows for an Infinite number of keying possibilities. In addition, contact cavities can be blocked using the cavity blocking plug or molded into the housing when volume requirements dictate. The housings can be molded in various colors.

Specifications

Current rating: 20A AC, DC max.(#250 tab + AWG #12)

250V AC, DC max. Voltage rating: •Temperature range: -40°C to +105°C

(including temperature rise in applying

electrical current)

Contact resistance: Initial value/ $3m\Omega$ max.

After environmental testing/ $6m\Omega$ max.

•Insulation resistance: 1,000M Ω min. •Withstanding voltage: 2,000V AC/minute •Applicable wire: #250...AWG #22 to #12 #250 Tab 0.8mm thick Applicable tab:

- •Contact JST if Lead-Free product is required.
- •Refer to "General Instruction and Notice when using Terminals and Connectors at the end of the catalogue.
- Contact JST for details

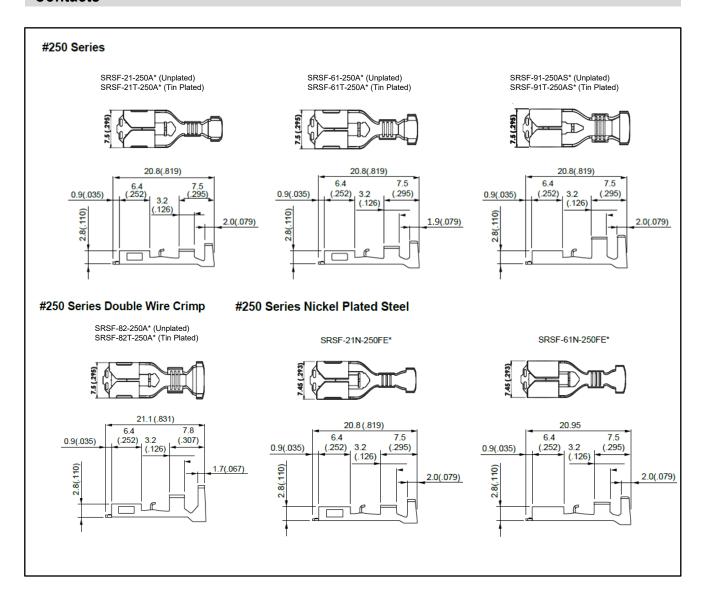
Standards



Recognized E60389

Certified C22.2 #182.3-M1987

Contacts



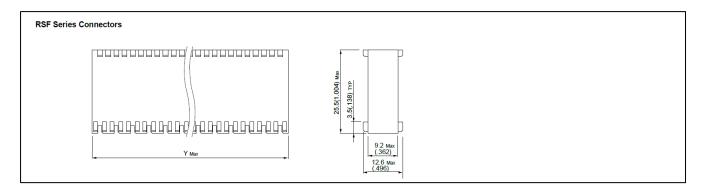
Applicator & Die Set

Part #	JST Applicator and Die Set	Industry Standard Applicator and Die Set
SRSF-21()-250A	APLMK SPS21-250	CDS SPS/SRSF21-250/CMK-R
SRSF-61()-250A	APLMK SPS61-250	CDS SPS/SRSF61-250/CMK-R
SRSF-91()-250AS	APLMK SPS91-250	CDS SPS/SRSF91-250/CMK-R
SRSF-82()-250A	APLMK SPS82-250	CDS SRSF82-250A/CMK-R

Contacts

Part #	Series		Applicable Wire		Meterial	Finish	Ot //DI
Part# Series	Series	mm²	AWG # UL1015	Insulation O.D. mm (in.)	Material	Finish	Qty/Reel
SRSF-21-250A*		0.30 to 0.75	22 to 18	2.39 to 2.84 (.094 to .112)	Dress	Unplated	F 000
SRSF-21T-250A*		0.30 to 0.75	22 10 16	2.39 to 2.84 (.094 to .112)	Brass	Tin Plated	5,000
SRSF-61-250A*		0.75 to 2.00	18 to 14	2.84 to 3.58 (.112 to .141)		Unplated	
3K3F-01-230A		0.75 + 0.75	18 + 18	2.84 + 2.84 (.112 + .112)	Brass	Oripiated	5.000
SRSF-61T-250A*		0.50 + 0.75	20 + 18	2.59 + 2.84 (.102 + .112)	Diass	Tin Plated	3,000
31(31-011-230A		0.50 + 0.50 20 + 20		2.59 + 2.59 (.102 + .102)		Till Flateu	
SRSF-91-250AS*		2.00 to 3.30	14 to 12	3.58 to 4.06 (.141 to .160)	Brass	Unplated	5,000
SRSF-91T-250AS*	#250	2.00 to 3.30	14 to 12	3.38 to 4.00 (.141 to .100)	DIASS	Tin Plated	
	#250	1.25 + 2.00	16 + 14	3.15 + 3.58 (.124 + .141)			
SRSF-82-250A*		1.25 + 1.25	16 + 16	3.15 + 3.15 (.124 + .124)		Unplated	
		0.75 + 1.25	18 + 16	2.84 + 3.15 (.112 + .124)			5.000
		0.50 + 1.25	20 + 16	2.59 + 3.15 (.102 + .124)	Diass		5,000
SRSF-82T-250A*	F-82T-250A* 0.75 + 0.75		18 + 18	2.84 + 2.84 (.112 + .112)		Tin Plated	
		0.50 + 0.75	20 + 18	2.59 + 2.84 (.102 + .112)			
SRSF-21N-250FE*		0.30 to 0.75	22 to 18	2.39 to 2.84 (.094 to .112)	Steel	Niekel Bloted	5,000
SRSF-61N-250FE*		0.75 to 1.25	18 to 16	2.84 to 3.15 (.112 to .124)	Sieel	Nickel Plated	

Note: Contact Extraction Tool Part Number: AEJ-RSF250H *Contact JST for availability.



Circuits	Part#	Qty/Bag	"Y" Max. mm (in.)	Applicable Terminal
1	RSFP-LP-1V-250	10,000	5.3 (.209)	
2	RSFP-2V	3,000	10.0 (.394)	SRSF-21T-250A
3	RSFP-3V	2,000	15.0 (.591)	SRSF-21-250A
4	RSFP-4V	2,000	20.0 (.787)	SRSF-61T-250A
5	RSFP-5V	1,500	25.0 (.984)	SRSF-61-250A
6	RSFP-6V	1,000	30.0 (1.181)	SRSF-91T-250AS
7	RSFP-7V	1,000	35.0 (1.378)	SRSF-91-250AS
8	RSFP-8V	1,000	40.0 (1.575)	SRSF-82T-250A
9	RSFP-9V	800	45.0 (1.772)	SRSF-82-250A
10	RSFP-10V	500	50.0 (1.969)	SRSF-21N-250FE
11	RSFP-11V	500	55.0 (2.165)	SRSF-61N-250FE
12	RSFP-12V	500	60.0 (2.362)	

Material and Finish

Nylon 66, UL94V-0, natural (white). Other colors available upon request. PBTGF, UL94V-0, natural (white). For RSFP-LP-1V-250 only



Current Rating for SRSF connector

SRSF-91()-250AS

Unit: A

Position	Current	Rating
Position	#12	#14
2	20	15
3	19	15
4	19	15
5	19	15
6	17	14
7	17	14
8	17	14
9	15	13
10	15	13
11	15	13
12	15	13

SRSF-82()-250A

Unit: A

Position		Current Ratino	9
Position	#16+16	#16+18	#16+20
2	10	10	10
3	10	10	10
4	10	10	10
5	10	10	10
6	10	10	10
7	10	10	10
8	10	10	10
9	10	10	10
10	10	10	10
11	10	10	10
12	10	10	10

SRSF-61()-250A

Unit: A

			Offic. A
Position	(Current Ratino	9
Position	#14	#16	#18
2	15	10	7
3	14	10	7
4	12	10	7
5	12	10	7
6	11	10	7
7	11	10	7
8	11	10	7
9	10	10	7
10	10	10	7
11	10	10	7
12	10	10	7

SRSF-21()-250A

Unit: A

Position	(Current Rating		
Position	#18	#20	#22	
2	7	4	3	
3	7	4	3	
4	7	4	3	
5	7	4	3	
6	7	4	3	
7	7	4	3	
8	7	4	3	
9	7	4	3	
10	7	4	3	
11	7	4	3	
12	7	4	3	

Housings - 2 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-2V		RSFP-2V-I	
RSFP-2V-00 (Natural) RSFP-2VB-00 (Black)		RSFP-2V-K	
RSFP-2V-A (Natural) RSFP-2VE-A (Blue)		RSFP-2V-L	
RSFP-2V-B		RSFP-2V-M	
RSFP-2V-C		RSFP-2V-N	
RSFP-2V-D		RSFP-2V-O	
RSFP-2V-E		RSFP-2V-P	
RSFP-2V-F		RSFP-2V-Q	
RSFP-2V-G (Natural) RSFP-2VPK-G (Pink)		RSFP-2V-AA	
RSFP-2V-H (Natural) RSFP-2VE-H (Blue)		RSFP-2V-AB (Natural) RSFP-2VB-AB (Black)	

Housings - 2 Position Keying

PART NUMBER	KEYING
RSFP-2V-09	
RSFP-2V-14 (Natural) RSFP-2VH-14 (Gray)	
RSFP-2V-15	
RSFP-2V-16	
RSFP-2V-17	
RSFP-2V-18	
RSFP-2V-24	
RSFP-2V-25	
RSFP-2V-28	

PART NUMBER	KEYING
RSFP-2V-29	
RSFP-2V-30	
RSFP-2V-31	
RSFP-2V-32	
RSFP-2V-33	
RSFP-2V-34 (Natural) RSFP-2VPK-34 (Pink)	
RSFP-2V-35	
RSFP-2V-36 (Natural) RSFP-2VM-36 (Green)	

Housings - 3 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-3V		RSFP-3V-I (Natural) RSFP-3VH-I (Gray)	
RSFP-3V-00 (Natural) RSFP-3VB-00 (Black)		RSFP-3V-K	
RSFP-3V-A		RSFP-3V-HA	
RSFP-3V-B (Natural) RSFP-3VM-B (Green)		RSFP-3V-ZB	
RSFP-3V-C		RSFP-3V-27	
RSFP-3V-D		RSFP-3V-28	
RSFP-3V-E		RSFP-3V-29	
RSFP-3V-F		RSFP-3V-36	
RSFP-3V-G		RSFP-3V-44	
RSFP-3V-H		RSFP-3V-45	

Housings - 3 Position Keying

PART NUMBER	KEYING
RSFP-3V-46	
RSFP-3V-49	
RSFP-3V-50	
RSFP-3V-52	
RSFP-3V-53 (Natural) RSFP-3VPK-53 (Pink)	
RSFP-3V-54	

RSFP-3V-55	KEYING	PART NUMBER
(Natural) RSFP-3VM-56 (Green) RSFP-3V-57 (Natural)	1 4 2 4 (3 4	RSFP-3V-55
ا الے اللہ اللہ (Natural) اللہ اللہ اللہ اللہ اللہ اللہ اللہ الل	1 4(24(34	(Natural) RSFP-3VM-56
RSFP-3VM-57 (Green)	1 4 (24 (34	(Natural) RSFP-3VM-57
RSFP-2(3)V-00 (Natural) RSFP-2(3)VB-00 (Black)		(Natural)
RSFP-3(3)V-00		RSFP-3(3)V-00

Housings - 4 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-4V		RSFP-4V-AB (Natural) RSFP-4VB-AB (Black)	
RSFP-4V-00		RSFP-4V-01	
RSFP-4V-A RSFP-4V-A(GW) (Glow Wire)		RSFP-4V-18	
RSFP-4V-B		RSFP-4V-19	
RSFP-4V-C		RSFP-4V-27	
RSFP-4V-D		RSFP-4V-28	
RSFP-4V-E		RSFP-4V-29	
RSFP-4V-F		RSFP-4V-34	
RSFP-4V-G		RSFP-4V-35	
RSFP-4V-AA		RSFP-4V-36	

Housings - 4 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-4V-37		RSFP-2(4)V-00 (Natural) RSFP-2(4)VB-00 (Black)	
RSFP-4V-40 (Natural) RSFP-4VM-40 (Green)		RSFP-3(4)V-00	
RSFP-2(4)V (Natural) RSFP-2(4)VB (Black) RSFP-2(4)VH (Gray)		RSFP-2.3(4)V-00	
RSFP-3(4)V		RSFP-3(4)V-41	
RSFP-1(4)V-00	2C(3C(4C)	RSFP-3(4)V-42	

Housings - 5 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-5V		RSFP-5V-GS	
RSFP-5V-00 (Natural) RSFP-5VB-00 (Black)		RSFP-5V-25	
RSFP-5V-A		RSFP-5V-26	
RSFP-5V-B		RSFP-5V-27	
RSFP-5V-C		RSFP-5V-28	
RSFP-5V-D		RSFP-5V-29	
RSFP-5V-AA		RSFP-5V-30	
RSFP-5V-DA		RSFP-5V-31	
RSFP-5V-ES		RSFP-5V-32	
RSFP-5V-FS		RSFP-5V-33	

Housings - 5 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-5V-34		RSFP-4(5)V-00	
RSFP-5V-35 (Natural) RSFP-5VM-35 (Green)		RSFP-5(5)V-00	[1 C(2C(3C(4C)
RSFP-5V-36		RSFP-1.4(5)V-00	
RSFP-5V-37		RSFP-2.3(5)V-00	
RSFP-2(5)V		RSFP-2.4(5)V-00	
RSFP-2(5)V-00 (Natural) RSFP-2(5)VB-00 (Black)		RSFP-2.5(5)V-00	
RSFP-3(5)V-00 (Natural) RSFP-3(5)VB-00 (Black)			

Housings - 6 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-6V	[1 C 2 C 3 C 4 C 5 C 6 C] L L L L L L L L L L L L L L L L L L	RSFP-6V-14	
RSFP-6V-00	15 25 35 45 55 65 11 5 25 35 45 15 16 16 16 16 16 16 16 16 16 16 16 16 16	RSFP-6V-15	
RSFP-6V-A		RSFP-6V-16	
RSFP-6V-B		RSFP-6V-17	
RSFP-6V-C		RSFP-6V-19	
RSFP-6V-D		RSFP-6V-21	
RSFP-6V-E		RSFP-6V-23	
RSFP-6V-FS	15 25 35 45 55 65 LALALA LA LA LA	RSFP-6V-24	1 C 2 C 3 C 4 C 5 C 6 C

Housings - 6 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-2(6)V-00	15	RSFP-3.5(6)V-00	
RSFP-3(6)V-00	1 C 2 C 4 C 5 C 6 C	RSFP-4.5(6)V-00	
RSFP-4(6)V-00 (Natural) RSFP-4(6)VB-00 (Black)		RSFP-2.3.5(6)V-00	
RSFP-5(6)V-00	1 C 2 C 3 C 4 C C 6 C	RSFP-2.4.6(6)V-00	
RSFP-2.3(6)V-00		RSFP-1.3.6(6)V-DA	
RSFP-2.4(6)V-00		RSFP-2.3.4(6)V-FA (Natural) RSFP-2.3.4(6)VB-FA (Black)	
RSFP-2.6(6)V-00	15	RSFP-2.3.4(6)V-FS	
RSFP-3.4(6)V-00			

Housings - 7 Position Keying

PART NUMBER	KEYING
RSFP-7V	
RSFP-7V-00 (Natural) RSFP-7VB-00 (Black)	
RSFP-7V-A	
RSFP-7V-B	
RSFP-7V-C	
RSFP-7V-AA	[7]

PART NUMBER	KEYING
RSFP-7V-AB	[7] [7] [7] [7] [7] [7] [7] [7] [7] [7]
RSFP-7V-01	
RSFP-7V-07	
RSFP-7V-17	
RSFP-7V-19	

Housings - 7 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-3(7)V		RSFP-3.5(7)V-00	15 25 45 65 75 L
RSFP-2(7)V-00		RSFP-3.6(7)V-00	
RSFP-3(7)V-00	1 C 2 C 4 C 5 C 6 C 7 C	RSFP-4.6(7)VB-00 (Black)	
RSFP-5(7)V-00	1 C 2 C 3 C 4 C 6 C 7 C	RSFP-2.3.4(7)V-00	
RSFP-6(7)V-00	15 25 35 45 55 75 17 18 18 18 18 18 18 18 18 18 18 18 18 18	RSFP-2.3.6(7)VB-00 (Black)	
RSFP-2.3(7)V-00		RSFP-2.4.6(7)VB-00 (Black)	
RSFP-2.6(7)V-00		RSFP-3.5.6(7)V-00	
RSFP-3.4(7)VB-00 (Black)	[1 C 2 C 5 C 6 C 7 C L L L L L L L L L L L L L L L L L	RSFP-4.5.6(7)V-00	

Housings - 8 Position Keying

PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-8V		RSFP-1(8)V-00	
RSFP-8V-00		RSFP-2(8)V-00	
RSFP-8V-C		RSFP-3(8)V-00	[1] [2] [4] [5] [6] [7] [8] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1
RSFP-8V-D		RSFP-4(8)V-00	1 1 1 1 1 1 1 1 1 1
RSFP-8V-DA		RSFP-5(8)V-00	
RSFP-8V-13		RSFP-6(8)V-00	
RSFP-8V-14			

Housings - 8 Position Keying

		1	
PART NUMBER	KEYING	PART NUMBER	KEYING
RSFP-1.6(8)V-00		RSFP-6.7(8)V-00	
RSFP-1.7(8)V-00		RSFP-2.4.7(8)V-00	
RSFP-2.3(8)V-00		RSFP-4.5.8(8)V-00	[7] [7] [7] [7] [7] [7] [7] [7] [7] [7]
RSFP-2.4(8)V-00	[7] [7] [7] [7] [7] [7] [7] [7] [7] [7]	RSFP-2.4.6.7(8)V-00	
RSFP-2.6(8)V-00		RSFP-4.5.7.8(8)V-00	
RSFP-5.6(8)V-00 (Natural) RSFP-5.6(8)VB-00 (Black)	17 17 17 17 17 17 17 17 17 17 17 17 17 1		

Housings - 9 Position Keying

PART NUMBER	KEYING
RSFP-9V	
RSFP-9V-00	1 C (2C (3C (4C (5C (6C (7C (8C (9C 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1) 1)
RSFP-9V-A	
RSFP-9V-B	
RSFP-9V-C	
RSFP-9V-D	

Housings - 9 Position Keying

PART NUMBER	KEYING
RSFP-2(9)V	
RSFP-3(9)V	
RSFP-2(9)V-00	1
RSFP-7(9)V-00	1 C 2 C 3 C 4 C 5 C 6 C 8 C 9 C L L L L L L L L L L L L L L L L L
RSFP-1.9(9)V-00	2C(3C(4C(5C(6C(7C(8C)
RSFP-1.5.8(9)V-00	25 35 45 65 75 95 LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL
RSFP-2.4.6.8(9)V-00	15 3 5 7 7 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
RSFP-3.5.6.8(9)V-00	
RSFP-4.5.7.8(9)V-00	
RSFP-1.2.4.5.8(9)V-00	

Housings - 10 Position Keying

PART NUMBER	KEYING
RSFP-10V (Natural) RSFP-10VB (Black)	
RSFP-10V-00	[1 C(2C(3C(4C(5C(6C(7C(8C(9C(0C(10C(10C(10C(10C(10C(10C(10C(10C(10C
RSFP-10V-A	
RSFP-10V-03	
RSFP-2(10)V	
RSFP-2.4.6.7.9(10)V	

Housings - 10 Position Keying

PART NUMBER	KEYING
RSFP-3(10)V-00	T T T T T T T T T T
RSFP-4(10)V-00	
RSFP-6(10)V-00 (Natural) RSFP-6(10)VB-00 (Black)	T T T T T T T T T T
RSFP-2.3(10)VB-00 (Black)	
RSFP-4.9(10)V-00	
RSFP-6.7(10)V-00	
RSFP-4.5.7(10)V-00	
RSFP-2.4.6.7.9(10)V-00	
RSFP-2.5.6.7.8(10)V-00	

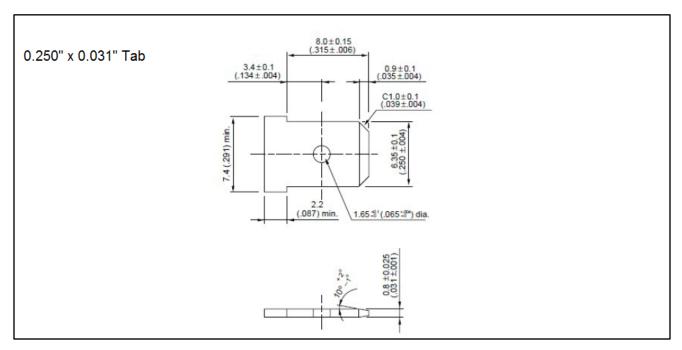
Housings - 11 Position Keying

PART NUMBER	KEYING
RSFP-11V	
RSFP-11V-00	[7] [7] [7] [7] [7] [7] [7] [7] [7] [7]
RSFP-11V-A	[1 C 2 C 3 C 4 C (5 C (6 C (7 C (8 C (9 C (0 C (1) C (
RSFP-11V-B	
RSFP-11V-C	
RSFP-3.8(11)V-00	T
RSFP-4.9(11)V-00 (Natural) RSFP-4.9(11)VB-00 (Black)	[7] [7] [7] [7] [7] [7] [7] [7] [7] [7]
RSFP-2.8.9(11)V-00	

Housings - 12 Position Keying

PART NUMBER	KEYING
RSFP-12V	
RSFP-12V-00	[1
RSFP-1(12)V-00	
RSFP-5(12)V-00	
RSFP-2.3(12)V-00	
RSFP-2.4(12)V-00	
RSFP-2.12(12)V-00	
RSFP-3.4(12)V-00	

Applicable Tab



Note: Make sure there are no unneeded ribs or other protuberances on tab surfaces.

Cavity Blocking Plug

