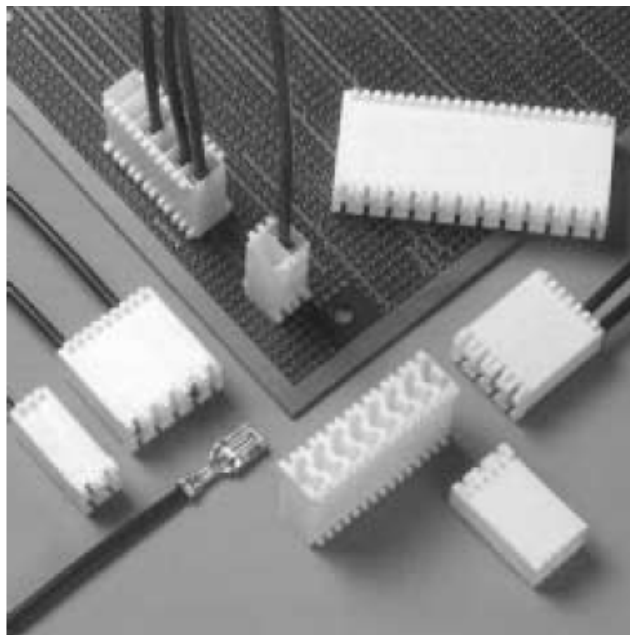


RSF Connector

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)
- Voltage rating: 250 AC, DC max.
- Temperature range: -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/3m Ω max.
After environmental testing/ 6m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 2,000V AC/minute
- Applicable wire: #250...AWG #22 to #12
- Applicable tab: #250 Tab 0.8mm thick
- 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



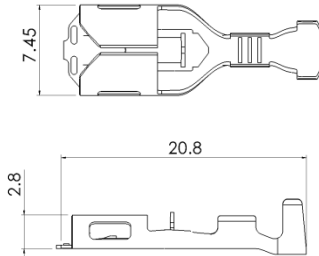
Certified C22.2 #182.3-M1987

RSF connector

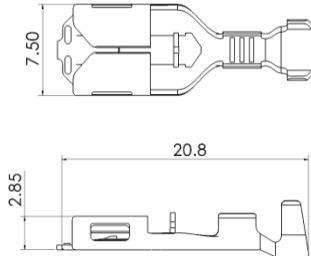
Contacts

#250 Series

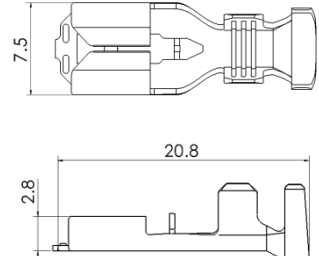
SRSF-21T-250A* (Tin Plated)
SRSF-21-250A* (Unplated)



SRSF-61T-250A* (Tin Plated)
SRSF-61-250A* (Unplated)

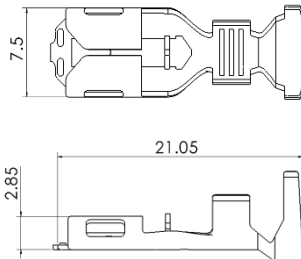


SRSF-91T-250AS* (Tin Plated)
SRSF-91-250AS* (Unplated)



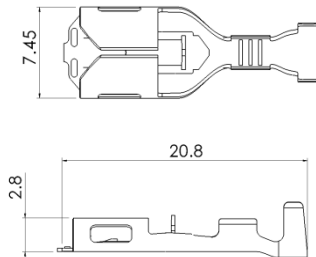
#250 Series Double Wire Crimp

SRSF-82T-250A* (Tin Plated)
SRSF-82-250A* (Unplated)

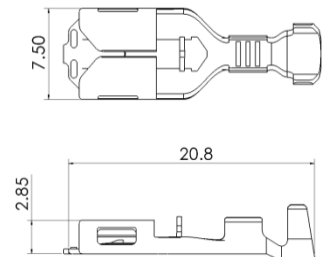


#250 Series Nickel Plated Steel

SRSF-21N-250FE*



SRSF-61N-250FE*



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

Note: *Contact JST for availability.

RSF connector

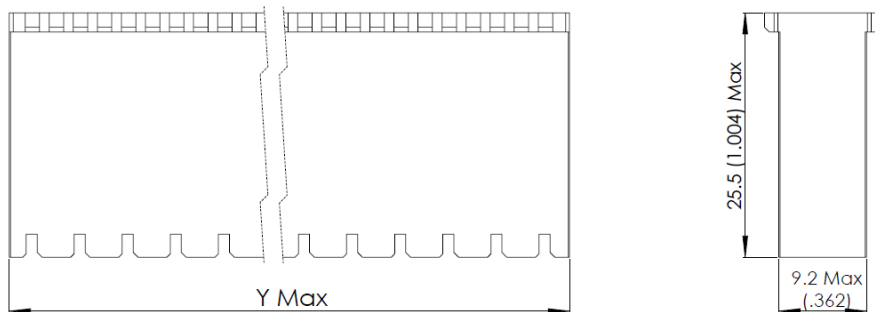
Contacts

Part #	Series	Applicable Wire			Material	Finish	Q'ty / reel
		mm ²	AWG # UL1015	Insulation O.D. mm (in.)			
SRSF-21-250A*	#250	0.32 to 0.82	22 to 18	2.5 to 3.0 (.098 to .118)	Brass	—	5,000
SRSF-21T-250A*						Tin-plated	
SRSF-61-250A*		0.82 to 2.08	18 to 14	3.0 to 3.9 (.118 to .154)	Brass	—	5,000
SRSF-61T-250A*						Tin-plated	
SRSF-91-250AS*		2.08 to 3.30	14 to 12	3.9 to 4.4 (.154 to .173)	Brass	—	5,000
SRSF-91T-250AS*						Tin-plated	
SRSF-82-250A*		0.82+0.82, 1.31+1.31, 1.31+2.08, 1.31+0.52	18+18, 16+16, 16+14, 16+20	3.0+3.0 to 3.4+3.9 (.118+.118 to .134+.154)	Brass	—	5,000
SRSF-82T-250A*						Tin-plated	
SRSF-21N-250FE*		0.32 to 0.82	22 to 18	2.5 to 3.0 (.098 to .118)	Steel	Nickel-plated	5,000
SRSF-61N-250FE*		0.82 to 1.25	18 to 16	3.0 to 3.4 (.118 to .134)			

Note: Contact Extraction Tool Part Number: AEJ-RSF250H

*Contact JST for availability.

RSF Series Connector



Circuits	Part #	Q'ty / bag	"Y" Max. mm (in.)	Applicable Terminal
1	RSFP-LP-1V-250	10,000	5.3 (.209)	SRSF-21T-250A SRSF-21-250A SRSF-61T-250A SRSF-61-250A SRSF-91T-250AS SRSF-91-250AS SRSF-82T-250A SRSF-82-250A SRSF-21N-250FE SRSF-61N-250FE
2	RSFP-2V-00	3,000	10.0 (.394)	
3	RSFP-3V-00	2,000	15.0 (.591)	
4	RSFP-4V-00	2,000	20.0 (.787)	
5	RSFP-5V-00	1,500	25.0 (.984)	
6	RSFP-6V-00	1,000	30.0 (1.181)	
7	RSFP-7V-00	1,000	35.0 (1.378)	
8	RSFP-8V-00	1,000	40.0 (1.575)	
9	RSFP-9V-00	800	45.0 (1.772)	
10	RSFP-10V-00	500	50.0 (1.969)	
11	RSFP-11V-00	500	55.0 (2.165)	
12	RSFP-12V-00	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

Note: Consult JST for keying options and colored housings.
Cavity Blocking Plug Part Number: RSFP-PK
Mates with NEMA, PC Mounted tabs only.

RSF connector

Current Rating for SRSF connector

SRSF-91()-250AS

Unit: A

Position	Current Rating	
	#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-61()-250A

Unit: A

Position	Current Rating		
	#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-82()-250A

Unit: A

Position	Current Rating		
	#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-21()-250A

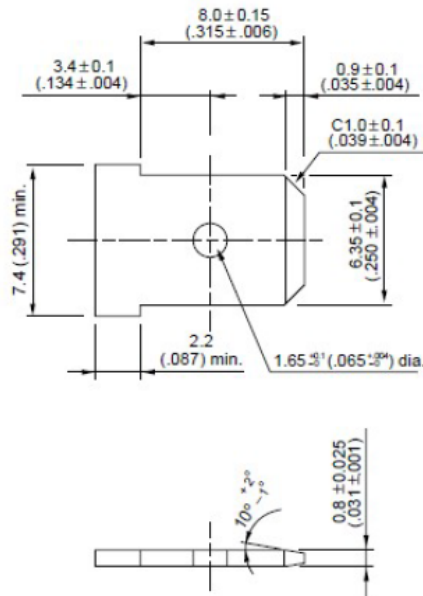
Unit: A

Position	Current Rating		
	#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

RSF connector

Applicable Tab

0.250" x 0.031" Tab



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

Cavity Blocking Plug

RSFP-PK

