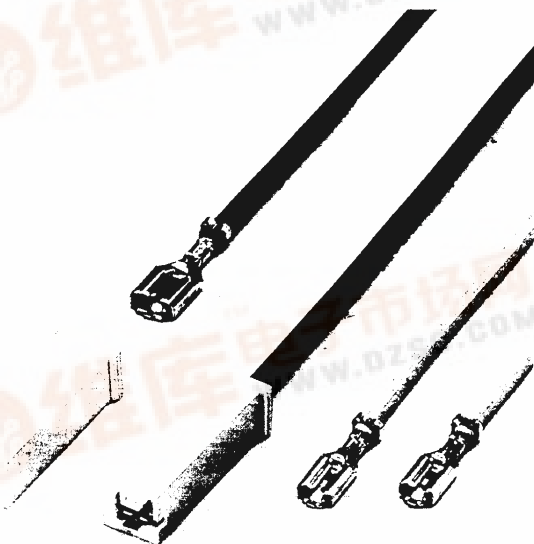




# PS CONNECTOR

Connectors for tabs



## Features

### •Secure locking, easy insertion

The combination of terminal and housing provides easy mating onto the male tab. Unmating is also easy, by holding the housing while pulling, the contact lock spring is disengaged by the taper inside the housing. Should you accidentally pull the wire, the locking mechanism ensure that disengagement does not take place.

### •Stable contact performance

The contact is designed with a large contact area to give stable performance, even when high current is applied.

### •Mis-insertion prevention mechanism and housing lance

Inside the housing is a stopper that prevents mis-insertion, which ensures that someone will not mistakenly insert a contact in the housing. What's more, use of a housing lance means that only slight force is needed to insert a contact, even though the contact is held firmly in place.

## Specifications

- Current rating: 25.0A AC, DC(#250+AWG #10)
- Voltage rating: 250V AC, DC
- Temperature range: -40°C to +105°C
- Contact resistance: Initial value/ 3mΩ max.  
After environmental testing/ 6mΩ max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 2,000V AC/ minute
- Applicable wire: #110...AWG #26 to #16  
#187...AWG #26 to #14  
#205...AWG #22 to #14  
#250...AWG #18 to #10
- Applicable Tab: #110 Tab 0.5mm(.020") thick  
#187 Tab 0.5mm(.020")/0.8mm(.031") thick  
#205 Tab 0.5mm(.020") thick  
#250 Tab 0.8mm(.031") thick

## Standards

Recognized E60389

Certified LR20812

R9850196

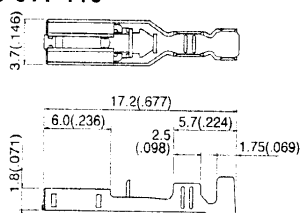


# PS CONNECTOR

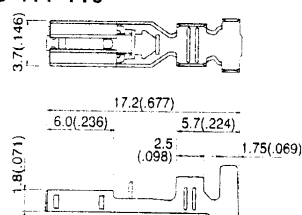
## Contact

### #110 Series

SPS-01T-110

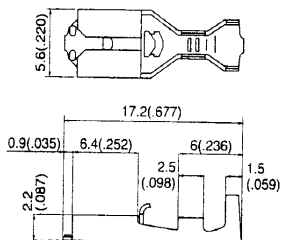


SPS-41T-110

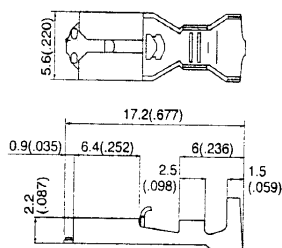


### #187 Series

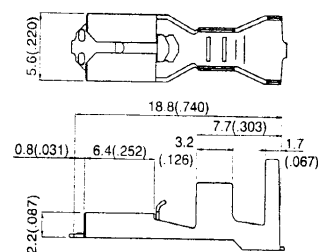
SPS-01T-187...for 0.5mm(.020") thick tabs



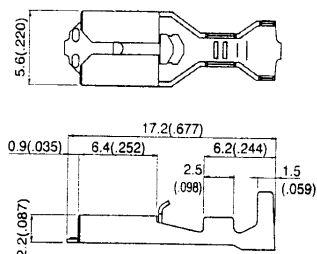
SPS-51T-187...for 0.5mm(.020") thick tabs



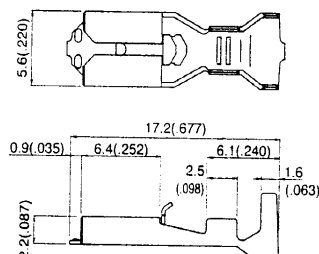
SPS-82T-187...for 0.5mm(.020") thick tabs



SPS-01T-187-8...for 0.8mm(.031") thick tabs

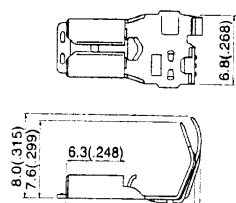


SPS-51T-187-8...for 0.8mm(.031") thick tabs

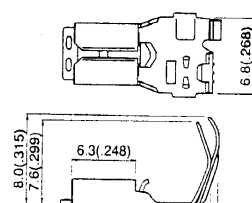


### <Flag type>

SFPS-41T-187...for 0.5mm(.020") thick tabs



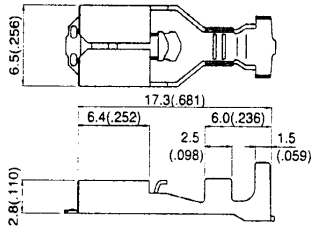
SFPS-41T-187-8...for 0.8mm(.031") thick tabs



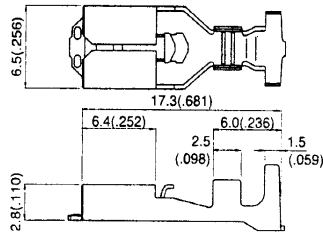
## Contact

### #205 Series

SPS-21T-205

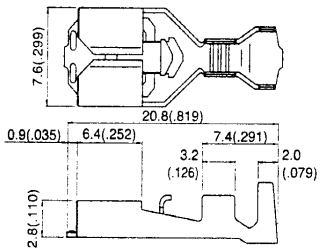


SPS-51T-205

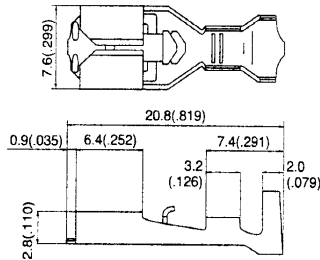


### #250 Series

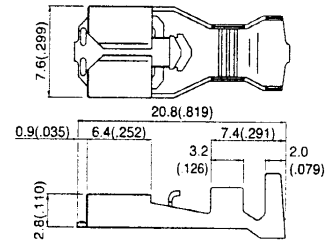
SPS-21T-250



SPS-61T-250

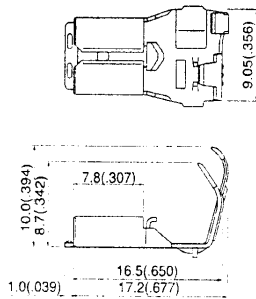


SPS-91T-250

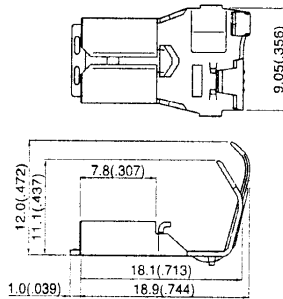


### <Flag type>

SFPS-61T-250



SFPS-91T-250

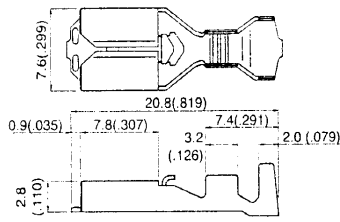


# PS CONNECTOR

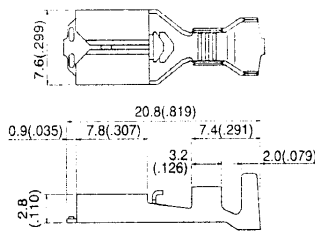
## Contact

### #250S Series

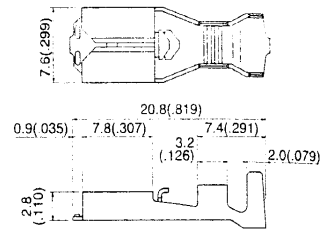
SPS-21T-250S



SPS-61T-250S



SPS-91T-250S



Series	Model No.	Applicable wire			Qty/reel	
		mm <sup>2</sup>	AWG #	Insulation O.D.mm(in.)		
#110	SPS-01T-110	0.21 to 0.5	24 to 20	1.0 to 2.5(.039 to .098)	10,000	
	SPS-41T-110	0.5 to 1.25	20 to 16	1.9 to 3.4(.075 to .134)	10,000	
#187	SPS-01T-187	0.13 to 0.5	26 to 20	1.3 to 3.4(.051 to .134)	10,000	
	SPS-51T-187	0.5 to 2.0	20 to 14	1.9 to 3.6(.075 to .142)	7,500	
	SPS-82T-187	0.75+0.75 to 1.25+1.25	18+18 to 16+16	2.1+2.1 to 2.9+2.9(.083+.083 to .114+.114)	3,500	
	for 0.5mm(.020") thick tabs	SPS-01T-187-8	0.13 to 0.5	26 to 20	1.3 to 3.4(.051 to .134)	10,000
	for 0.8mm(.031") thick tabs	SPS-51T-187-8	0.5 to 2.0	20 to 14	1.9 to 3.6(.075 to .142)	7,500
#187 flag	for 0.5mm(.020") thick tabs	SFPS-41T-187	0.3 to 1.25	22 to 16	1.7 to 3.4(.067 to .134)	5,000
	for 0.8mm(.031") thick tabs	SFPS-41T-187-8	0.3 to 1.25	22 to 16	1.7 to 3.4(.067 to .134)	5,000
#205	SPS-21T-205	0.3 to 0.75	22 to 18	1.5 to 3.1(.059 to .122)	5,000	
	SPS-51T-205	0.5 to 2.0	20 to 14	1.9 to 3.6(.075 to .142)	5,000	
#250	SPS-21T-250	0.3 to 0.75	22 to 18	1.5 to 3.1(.059 to .122)	5,000	
	SPS-61T-250	0.75 to 2.0	18 to 14	2.1 to 3.9(.083 to .154)	5,000	
	SPS-91T-250	2.0 to 5.5	14 to 10	3.0 to 4.7(.118 to .185)	4,000	
#250 flag	SFPS-61T-250	0.75 to 2.0	18 to 14	2.1 to 3.9(.083 to .154)	3,000	
	SFPS-91T-250	3.5 to 5.5	12 to 10	4.0 to 5.2(.157 to .205)	—	
#250S	SPS-21T-250S	0.3 to 0.75	22 to 18	1.5 to 3.1(.059 to .122)	5,000	
	SPS-61T-250S	0.75 to 2.0	18 to 14	2.1 to 3.9(.083 to .154)	5,000	
	SPS-91T-250S	2.0 to 5.5	14 to 10	3.0 to 4.7(.118 to .185)	4,000	

### Material and Finish

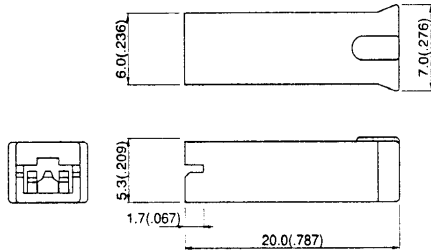
Brass, tin-plated

# PS CONNECTOR

## Housing

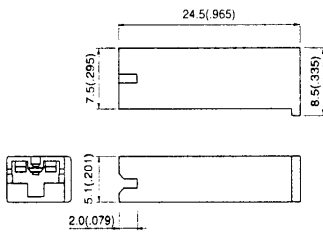
### #110 Series

#### PS-110

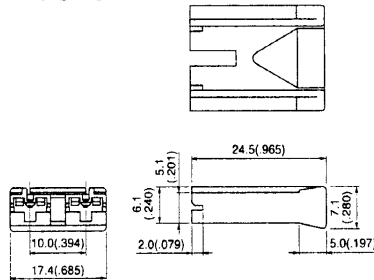


### #187 Series

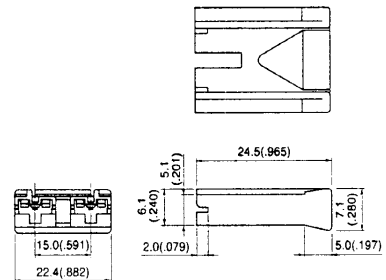
#### PS-187



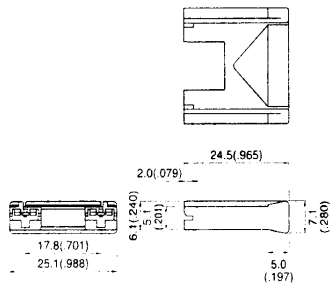
#### PS-187-2A-10



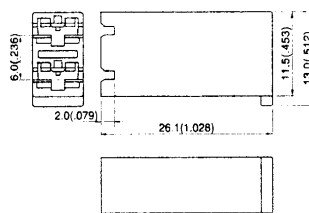
#### PS-187-2A-15



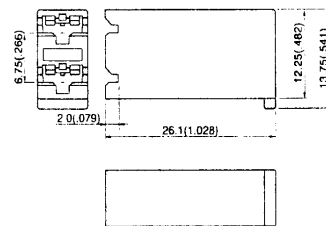
#### PS-187-2A-17.8



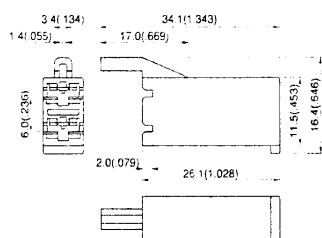
#### PS-187-2B



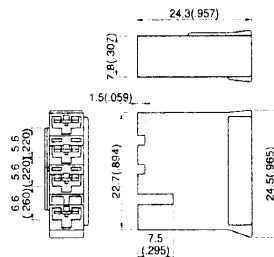
#### PS-187-2B-6.75



#### PS-187-2B1



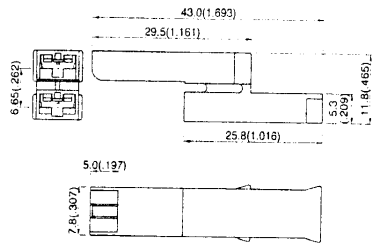
#### PS-187-4B



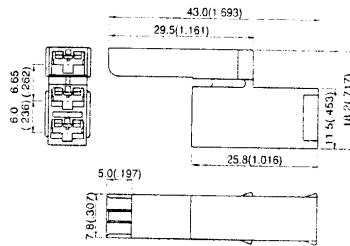
# PS CONNECTOR

## #187 Series

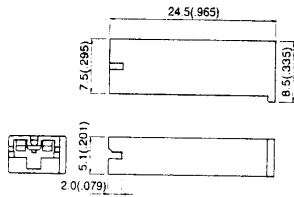
PS-187-2V



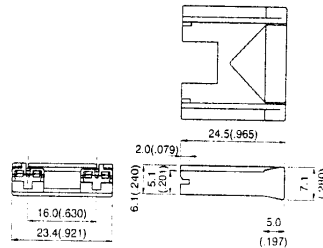
PS-187-3V



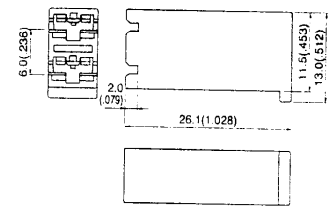
PS-187-8-T-H



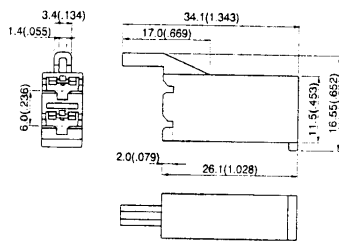
PS-187-2A-16-8-T-H



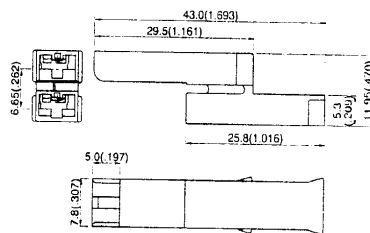
PS-187-2B-8-T-H



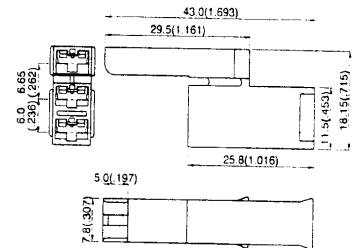
PS-187-2B1-8-T-H



PS-187-2V-8-T-H

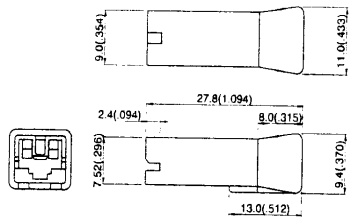


PS-187-3V-8-T-H



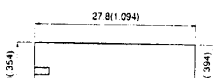
## #250S Series

NPS-250-A

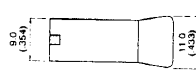


## #250 Series

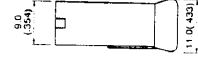
PS-250



PS-250-A



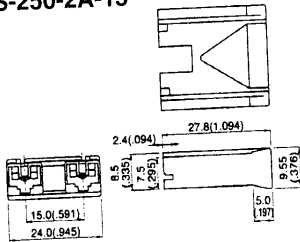
PS-250-2B



# PS CONNECTOR

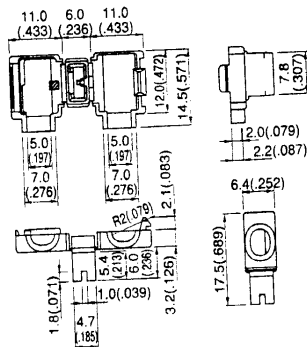
## #250 Series

### PS-250-2A-15

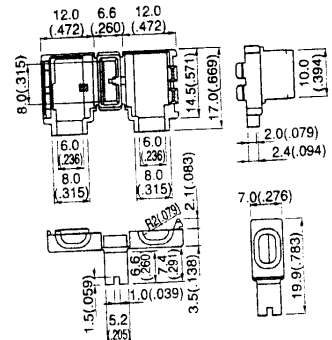


## One-touch sleeve

### FPS-187



### FPS-250



Series	Model No.	Q'ty/bag	Applicable terminal
#110	PS-110	1,000	SPS-01T-110, SPS-41T-110
	PS-187	1,000	
#187	PS-187-2A-10	1,000	
	PS-187-2A-15	500	
	PS-187-2A-17.8	500	
	PS-187-2B	500	SPS-01T-187
	PS-187-2B-6.75	—	SPS-51T-187
	PS-187-2B1	500	SPS-82T-187
	PS-187-4B	500	
	PS-187-2V	500	
	PS-187-3V	500	
	※ PS-187-8-T-H	1,000	
	※ PS-187-2A-16-8-T-H	500	SPS-01T-187-8
	※ PS-187-2B-8-T-H	500	SPS-51T-187-8
	※ PS-187-2B1-8-T-H	500	
	※ PS-187-2V-8-T-H	500	
※ PS-187-3V-8-T-H	500		
#250S	NPS-250-A	—	SPS-21T-250S SPS-61T-250S SPS-91T-250S
#250	PS-250	1,000	SPS-21T-250
	PS-250-A	500	SPS-61T-250
	PS-250-2B	500	SPS-91T-250
	PS-250-2A-15	500	SFPS-41T-187
One-touch sleeve	FPS-187	500	SFPS-61T-250
	FPS-250	500	

### Material and Finish

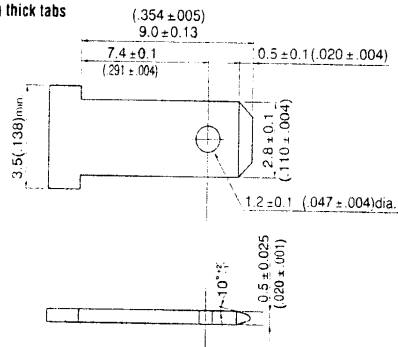
Nylon 66, UL94V-0, natural(white)  
UL94V-2, gray <※-marked housing...for 0.8mm(.031") thick tabs>

Note:FPS-187 and FPS-250 are UL recognized with File No.E55167, but not CSA certified.

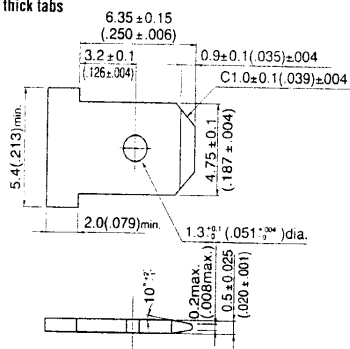
# PS CONNECTOR

## Applicable tab

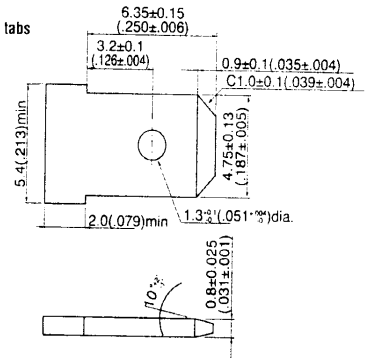
#110...for 0.5mm(.020") thick tabs



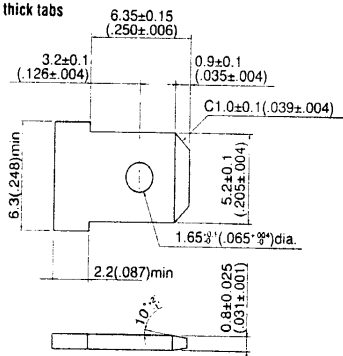
#187...for 0.5mm(.020") thick tabs



#187...for 0.8mm(.031") thick tabs



#205...for 0.8mm(.031") thick tabs



#250...for 0.8mm(.031") thick tabs

