# **SCC Series**

### **Part Numbering**



#### **Features**

- Rugged
- Light weight
- Low cost
- General purpose

#### **Applications**

Industrial

## ■ Part Numbering

Series Prefix (Body)	Size	Number of Contacts	Suffix	
			(Contact Type)	Notes
			Р	Plug(Male)
6A		13 size : 3,5	S	Plug(Female)
SCC 2A	12 16 01 05	16 size: 7,8,10	Р	Receptacle(Male)
SCC ZA	13,16,21,25	21 size: 3,4,10,16	S	Receptacle(Female)
1.0		25 size : 16,24	Р	Adapter(Male)
1A		^	S	Adapter(Female)
scc			(see	<u>cts</u> ,16

SCC6A - 13 - 3P SCC Series Plug - Size 13 - 3 Male Contacts

SCC2A - 16 - 10S SCC Series Receptacle - Size 16 - 10 Female Contacts

SCC1A - 25 - 24P SCC Series Adapter - Size 25 - 24 Male Contacts

#### ■ Major Performances / Contact Arrangements

Size/No, of Contacts		Size 13				Size 16			
Performance	3	5		7	7		8	10	
Withstanding Voltage (per min) <sup>1</sup>	AC 1500V, 1mi	AC 1000V, 1min		AC 1000V, 1min		AC 1	000V, 1min	AC 1000V, 1min	
Current	10A	5A	5A		)A		5A	5A	
Insulation Resistance (Minimum) <sup>2</sup>	1,000M Ω	1,000M	Ω	1,000	Ω ΜC	1,	000Μ Ω	<b>1,000M</b> Ω	
Contact Resistance (Maximum) <sup>3</sup>	5m Ω	5m Ω		5m	1Ω		5m Ω	5m Ω	
Solder Pot Inside Diameter (Ø)	1,5	1.0		1	.5		1,0	1,0	
Wire Gauge (Maximum)	AWG18	AWG20	)	AW	G18	P	AWG20	AWG20	
Contact Arrangement	(O' O'	1 2 3 6		3 6	5 5	(z	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(	
	Size 21						_		
Size/No, of Contacts		SIZE	21				5	Size 25	
Size/No. of Contacts Performance	3	4		10	16		16	24 25	
	3 AC 1500V, 1min	4		10 00V, 1min		, 1min		24	
Performance	_	4	AC 100	• •		, 1min	16	24	
Performance Withstanding Voltage (per min) <sup>1</sup>	AC 1500V, 1min 20A	4 AC 1500V, 1min	AC 100	00V, 1min	AC 1000V		16 AC 500V, 1m	24 in AC 500V, 1min	
Performance Withstanding Voltage (per min) <sup>1</sup> Current	AC 1500V, 1min 20A	4 AC 1500V, 1min 15A	AC 100	00V, 1min 10A	AC 1000V 5A	1 Ω	16 AC 500V, 1mi	24 in AC 500V, 1min 5A	
Performance Withstanding Voltage (per min) <sup>1</sup> Current Insulation Resistance (Minimum) <sup>2</sup>	AC 1500V, 1min 20A more than 1000M at DC 500V	4 AC 1500V, 1min 15A more than 1000MΩ at DC 500V	AC 100	00V, 1min 10A 00M Ω	AC 1000V 5A 1,000N	1 Ω	16 AC 500V, 1m 10A 500M Ω	24 in AC 500V, 1min 5A 500M Ω	
Performance Withstanding Voltage (per min) <sup>1</sup> Current Insulation Resistance (Minimum) <sup>2</sup> Contact Resistance (Maximum) <sup>3</sup>	AC 1500V, 1min 20A more than 1000MΩ at DC 500V 5m Ω	$\frac{4}{\text{AC 1500V, 1min}}$ $\frac{15\text{A}}{\text{more than }1000\text{M}\text{g}}$ at DC 500V $\frac{5\text{m}\Omega}{\text{C}}$	AC 100	00V, 1min 10A 00M Ω m Ω	AC 1000V 5A 1,000N 5m Ω	1Ω	16 AC 500V, 1m 10A 500M Ω 5m Ω	24 in AC 500V, 1min 5A 500M Ω 5m Ω	

- | 1 Withstanding voltage is the tested voltage value in this table,
  | 2 Insulation resistance is measured at DC 100V,
  | 3 Contact resistance is measured at DC 1A,
  | 4 Values are from tested items and may not apply to all connectors,
  | 5 Specifications subject to change without notice,
  | Consult Sam Woo Electronics for the latest specifications,
  | 4 Connector contact arrangement is from mating surface,

#### ■ Material Used / Finish

		Material	Finish
Во	dy	Aluminum alloy	Ni Plating
Insu	lator	Thermosetting resin	UL94V-0 ; Blue, Green
Contacts	Contacts Male Copper alloy		Silver Plating
Contacts	Female	Copper alloy	Silver Plating

#### ■ Mating & Unmating Force

Shell Size	Contacts	Force	Shell Size	Contacts	Force
13	3	⟨ 1,4Kg	13	5	⟨1,5Kg
16	7	⟨ 3,2Kg	16	10	⟨ 3,4Kg
21	10	⟨ 4,5Kg	21	16	⟨ 5,5Kg
25	16	⟨ 7,2Kg	25	24	⟨ 8,2Kg

### ■ SCC Series Mini-map

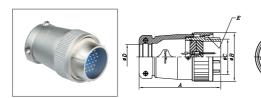




# **SCC Series**

# Male / Female Plug, Receptacle, Adapter

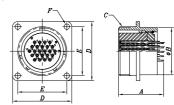
# ■ SCC6A Plug



Product Number	Α	øΒ	Ø C	Ø <b>D</b>	E	
SCC6A-13- 3P	45 7	21.5	12 7	8.0	M18×1 0P	
SCC6A-13- 5P	45,7	21,3	12,1	0,0	IVITO X 1,UP	
SCC6A-16- 7P						
SCC6A-16- 8P	48.0	25.5	16,3	11,5	M22×1,0P	
SCC6A-16-10P						
SCC6A-21- 3P	53.5	29.7	20 5	140	M26×1 0P	
SCC6A-21- 4P	33,3	29,1	20,0	17,0	10120 × 1,01	
SCC6A-21-10P	53 5	29.7	20 5	14 0	M26×1.0P	
SCC6A-21-16P	33,3	25,1	20,5	14,0	IVIZO X 1,UF	
SCC6A-25-16P	56.5	33.8	24.7	17.5	M30×1 0P	
SCC6A-25-24P	30,3	55,6	24,1	17,5	IVIOU A I,UF	

# ■ SCC2A Receptacle

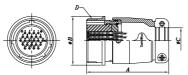




Product Number	Α	ø <b>B</b>	С	D	Е	F	
SCC2A-13-3S	27.8	16.0	M18×1.0P	26.0	20.0	4-ø32	
SCC2A-13- 5S	26,5	10.0	W110 × 1,0F	20.0	20.0	4-93,2	
SCC2A-16- 7S	27.6						
SCC2A-16- 8S	27,6	19.8	19,8	M22×1.0P	29.0	23.0	4-ø3.2
SCC2A-16-10S	27.0						
SCC2A-21-3S	31,1	24.0	M26×1 0P	32.0	26.0	4-ø33	
SCC2A-21- 4S	29,4		1V120 × 1,UP	32,0	20,0	4-93.3	
SCC2A-21-10S	27.1	24.0	M26×1.0P	32,0	26.0	4-ø33	
SCC2A-21-16S	26,6	24,0	1V120 × 1,0F	32.0	20.0	4-93.3	
SCC2A-25-16S	27,3	27.0	M20 v 1 0D	25.0	00.5	1 0 2 2	
SCC2A-25-24S	26.7	27.9	M30×1,0P	35.0	29.5	4-ø3.3	

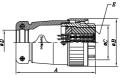
# ■ SCC1A Adapter





Product Number	Α	ø <b>B</b>	ø C	D
SCC1A-13-3S	45.0	21 0	80	M18×1.0P
SCC1A-13-5S	45.0	21,0	0,0	IVITO × 1,UF
SCC1A-16-7S				
SCC1A-16-8S	47.8	25.0	11,5	M22×1,0P
SCC1A-16-10S				
SCC1A-21-3S	51.5	29 0	14 0	M26×1.0P
SCC1A-21- 4S	31,3	23,0	14,0	IVIZO × 1,01
SCC1A-21-10S	51.5	29.0	14 0	M26×1.0P
SCC1A-21-16S	31,3	29,0	14,0	IVIZO × 1,UF
SCC1A-25-16S	55.5	33.0	17.5	M30×1.0P
SCC1A-25-24S	33,3	33,0	17.5	IVIOU A 1,UF

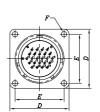


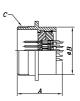




Product Number	Α	øΒ	Ø C	Ø <b>D</b>	E
SCC6A-13-3S	45 7	21 5	12 7	8.0	M18×1 0P
SCC6A-13- 5S	45,7	21,3	12,7	0,0	IVITO X 1,UP
SCC6A-16-7S					
SCC6A-16- 8S	48.0	25.5	16,3	11,5	M22×1.0P
SCC6A-16-10S					
SCC6A-21-3S	50.5 00	29 7	20 5	14.0	MOCALLOD
SCC6A-21- 4S	53.5	33,3 29,1	20,3		M26×1,0P
SCC6A-21-10S	E2 E	20.7	20.5	140	MOG V 1 OD
SCC6A-21-16S	53.5	29,7	20,5	14.0	M26×1,0P
SCC6A-25-16S	56.5	33 8	24 7	17.5	M30×1,0P
SCC6A-25-24S	30,5	JJ.0	24.7	6,11	IVIOU X I,UP



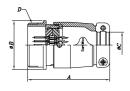




<b>Product Number</b>	Α	ø <b>B</b>	С	D	Е	F
SCC2A-13- 3P						
SCC2A-13- 5P	26,5	16.0	M18×1,0P	26.0	20,0	4- ø 3.2
SCC2A-16- 7P						
SCC2A-16- 8P	26,5	19,8	M22×1,0P	29.0	23,0	4− Ø 3.2
SCC2A-16-10P						
SCC2A-21- 3P	30,9	24.0	M26×1 0P	32.0	26.0	4-ø33
SCC2A-21- 4P	29.4	24,0	1V120 × 1,UP	32,0	20,0	4- ½ 3,3
SCC2A-21-10P	25.5	24.0	M26×1 0P	32.0	26 0	4-ø33
SCC2A-21-16P	26,3	24,0	1V126 × 1,0P	32,0	20,0	4- ½ 3,3
SCC2A-25-16P	26,2	27.9	M30×1 0P	35.0	29 5	4-ø33
SCC2A-25-24P	26,5	21,9	10100 × 1,0F	33,0	29,5	4-93,3







Product Number	Α	øВ	Ø C	D
SCC1A-13-3P	45.0	21.0	8.0	M18×1.0P
SCC1A-13- 5P	45.0	21,0	0,0	IVITO X 1,UF
SCC1A-16- 7P				
SCC1A-16-8P	47.8	25.0	11,5	M22×1.0P
SCC1A-16-10P				
SCC1A-21- 3P	51.5	29.0	14 0	M26×1.0P
SCC1A-21- 4P	31,3	29,0	14,0	1V120 × 1,0F
SCC1A-21-10P	51.5	29.0	14 0	M26×1.0P
SCC1A-21-16P	31,3	29,0	14,0	IVIZO X I,UP
SCC1A-25-16P	55.5	33.0	17.5	M30×1 0P
SCC1A-25-24P	33,5	33,0	6,11	IVIOU X I,UP