



**Cambridge Connectors**

a division of Cambridge Electronic industries Ltd

# Circular Connectors



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**Sam Woo Electronics - TV Camera and Circular Connectors**

Sam Woo Electronics Company Ltd has been the leader in the Korean circular connector market for over two decades. Its range of products includes connectors for HDTV Cameras, Industrial Automation, Medical, Robotics, Telecommunications, Precision Equipment and many others.

<p><b>SCC Series</b></p> 	<p><b>Size / No. of Contacts</b> Size - 13,16,21,25 Contacts - 3,5,7,10,16,24</p> <p><b>Material / Finish</b> Body - Aluminium alloy/Nickel plate Insulator - Thermosetting resin / Blue Contacts - Copper alloy / Silver plate</p>	<p><b>Applications</b> Industrial</p> <p><b>Main Features</b> Rugged Light weight Low cost General purpose</p>
<p><b>SCK/SCN Series</b></p> 	<p><b>Size / No. of Contacts</b> SCN Size - 12,16,20,25 SCK Size - 12,16,20,25,30,32,40 Contacts - 2,3,4,5,6,7,8,10,12,14,20</p> <p><b>Material / Finish</b> Body -Zinc alloy / Nickel plate Insulator -PA&amp;Bakelite/ Green&amp; Black Contacts -Brass, Phosphor Bronze /Silver or Gold plate</p>	<p><b>Applications</b> Electric &amp; Electronic Communication</p> <p><b>Main Features</b> Rugged Simple construction Stable performance</p>
<p><b>SH Series</b></p> 	<p><b>Size / No. of Contacts</b> Size - 9 Contacts - 6</p> <p><b>Material / Finish</b> Body - Brass / Chromium plate Insulator - Glass filled polyacetal/White Contacts - Brass, Phosphor Bronze /Gold plate</p>	<p><b>Applications</b> Microphone Circuitry Wireless Communication</p> <p><b>Main Features</b> Compact Lasting durability Contemporary design</p>
<p><b>SN Series</b></p> 	<p><b>Size / No. of Contacts</b> Size - 8,10 Contacts - 2,3,4,5,6,9,10,12</p> <p><b>Material / Finish</b> Body -Zinc alloy and Brass/ Sn, Ni plate Insulator - PA / Black Contacts - Brass, Phosphor Bronze /Gold or silver plate</p>	<p><b>Applications</b> Professional A/V, CCTV, Medical, Wireless Radio, Measuring, Computers and Peripherals, Factory Automation, etc.</p> <p><b>Main Features</b> Push-pull, Light weight Miniature circular, Low cost</p>
<p><b>SP Series</b></p> 	<p><b>Size / No. of Contacts</b> Size - 00,0,1,2,3 Contacts - 1 to 10, multiple</p> <p><b>Material of Product</b> Body - Brass / Chromium plate Insulator - PEEK, PA or Teflon / Beige Contacts - Beryllium or Brass / Gold plate</p>	<p><b>Applications</b> Telecommunication, HDTV, Professional A/V, Optical Testing, Vision Testing, Portable Wireless, Radio, Medical, etc.</p> <p><b>Main Features</b> Ultimate performance Aerodynamic and aesthetic</p>

<p><b>SRC Series</b></p> 	<p><b><u>Size / No. of Contacts</u></b> Size - 21 Contacts - 10,16,26</p> <p><b><u>Material / Finish</u></b> Body - Aluminium alloy / Ni or Ni-Au plate Insulator - Thermosetting resin / Black or Blue Contacts - Brass, Phosphor Bronze/Gold or Silver plate</p>	<p><b><u>Applications</u></b> Professional A/V, Vision Testing, Factory Automation, Measuring, Medical, etc..</p> <p><b><u>Main Features</u></b> Bayonet locking system Rugged, Light-weight, Low cost General purpose</p>
<p><b>ST Series</b></p> 	<p><b><u>Size / No. of Contacts</u></b> Size - 9 Contacts - 12,16,20</p> <p><b><u>Material / Finish</u></b> Body - Brass &amp; Zinc alloy / Ni plate Insulator - PPS resin / Black Contacts - Brass, Phosphor Bronze /Gold plate</p>	<p><b><u>Applications</u></b> Professional A/V Measuring Sensors Wireless Radio Medical, etc.</p> <p><b><u>Main Features</u></b> Super-miniature with multi-contact Safe insert system</p>
<p><b>SU Series</b></p> 	<p><b><u>Size / No. of Contacts</u></b> Size - 20 Contacts - 8</p> <p><b><u>Material / Finish</u></b> Body - ZnDC / Sn, Ni plate Insulator - PA GF / Black Contacts - Brass, Phosphor Bronze / Gold plate</p>	<p><b><u>Applications</u></b> Electronic Precision Equipment Control Engineering Automation Medical</p> <p><b><u>Main Features</u></b> Waterproof(IP67) Electro-magnetic protection</p>
<p><b>SW Series</b></p> 	<p><b><u>Size / No. of Contacts</u></b> Size - 8,10 Contacts - 2,3,4,5,6,9,10,12</p> <p><b><u>Material / Finish</u></b> Body - Brass / Sn &amp; Ni plate Insulator - PA / Black Contacts - Brass, Phosphor Bronze / Gold or Silver plate</p>	<p><b><u>Applications</u></b> Professional Audio and Camera, CCTV, Medical, Wireless Radio, Testing &amp; Measuring Equipment, etc</p> <p><b><u>Main Features</u></b> Excellent performance at low price Screw mounting Super-miniature with multi-contact Precise design</p>
<p><b>SXR Series</b></p> 	<p><b><u>Size / No. of Contacts</u></b> Size - 10 Contacts - 8</p> <p><b><u>Material / Finish</u></b> Body - Aluminium alloy / Ni plate Insulator - PBT resin / Black Contacts-Brass, Phosphor Bronze /Gold plate</p>	<p><b><u>Applications</u></b> Professional Audio and Camera</p> <p><b><u>Main Features</u></b> Miniature, Light weight, Ground function</p>

**Selection by Size, Contacts and Current Rating.**

Select shell diameter, number of contacts, and current rating for your application.

contacts series	size	2	3	4	5	6	7	8	9	10	12	14	16	18	19	20	22	24	26	30	32	
SCC	13		• 10A		• 5A																	
	16					• 10A				• 5A												
	21									• 10A			• 5A									
	25												• 10A					• 5A				
SCN & SCK	12	• 4/3 A		• 4/3 A																		
	16	• 5A	• 5A	• 5A	• 4A	• 3A	• 3A	• 3A														
	20	• 7A	• 7A	• 7A	• 7A	• 4A		• 3A		• 3A							• 2A					
SCK	25	• 10A	• 10A	• 10A	• 10A	• 5A		• 5A		• 5A	• 5A											
	30	• 15A	• 15A	• 15A		• 15A		• 15A		• 7A		• 5A										
	32	• 30A	• 30A	• 30A																		
	40	• 40A	• 40A	• 40A		• 20A					• 10/ 4A											
SH	9				• 2A																	
SN	8			• 2A	• 2A	• 2A																
	10	• 3A	• 3A	• 3A				• 2A	• 2A	• 2A												
SP	00	•	•	•																		
	0	•	•	•	•	•	•															
	1	•	•	•	•	•	•	•														
	2					•					•											
	3	•																				
SRC	21									• 10A			• 5A							• 10/ 5A		
ST	9										• 1A		• 1A			• 1A						
SU	20							• 5A														
SW	8			• 2A	• 2A	• 2A																
	10	• 3A	• 3A	• 3A				• 2A	• 2A	• 2A												
SXR	10						• 2A															

**Application Type**

Find application type. Check the available size and contact numbers.

Application Type	Product Series	Available Size	No. of Contacts
Audio/Video	SN	8,10	1,3,4,5,6,9,10,12
	SRC	21	10,16,26
	ST	9	12,16,20
	SU	20	8
CCTV	SN	8,10	2,3,4,5,6,9,10,12
Communication	SCN/SCK	12,16,20,25,30,32,40	2,3,4,5,6,7,8,10,12,14,20
Computers & Peripherals	SN	8,10	2,3,4,5,6,9,10,12
Control Engineering	SU	20	8
Electric / Electronic	SCN/SCK	12,16,20,25,30,32,40	2,3,4,5,6,7,8,10,12,14,20
Electronic Precision Equipment	SU	20	8
Factory Automation	SN	8,10	2,3,4,5,6,9,10,12
	SRC	21	10,16,26
	ST	9	12,16,20
HDTV	SP	00,0,1,2,3	1 to 10, multiple contact
Industrial	SCC	13,16,21,25	3,5,7,10,16,24
Measuring Equipment	SN	8,10	2,3,4,5,6,9,10,12
	SRC	21	10,16,26
	ST	9	12,16,20
Medical	SN	8,10	1,3,4,5,6,9,10,12
	SP	00,0,1,2,3	1 to 10, multiple contact
	SRC	21	10,16,26
	ST	9	12,16,20
	SU	20	8
Microphone	SH	9	6
Optical Testing	SP	00,0,1,2,3	1 to 10, multiple contact
Portable Wireless Radio	SN	8,10	2,3,4,5,6,9,10,12
	SP	00,0,1,2,3	1 to 10, multiple contact
Precision Equipment	SU	20	8
Professional Audio	SN	8,10	1,3,4,5,6,9,10,12
	SP	00,0,1,2,3	1 to 10, multiple contact
	SRC	21	10,16,26
	ST	9	12,16,20
Professional Video	SN	8,10	1,3,4,5,6,9,10,12
	SP	00,0,1,2,3	1 to 10, multiple contact
	SRC	21	10,16,26
	ST	9	12,16,20
Robotics	ST	9	12,16,20
Sensor	ST	9	12,16,20
Telecommunication	SP	00,0,1,2,3	1 to 10, multiple contact
Vision Testing	SP	00,0,1,2,3	1 to 10, multiple contact
	SRC	21	10,16,26
Wireless Communication	SH	9	6
Wireless Radio	SN	8,10	2,3,4,5,6,9,10,12
	SP	00,0,1,2,3	1 to 10, multiple contact

## Cambridge Electronic Industries Ltd.

**Cambridge Electronic Industries Ltd** is a leading, UK based, manufacturer of high quality Interconnection Products for Communications, Broadcast, Instrumentation, Automation, Industrial Control, Aerospace and other professional applications.

**Our customers** include OEMs; Contract Manufacturers; Telecom Carriers; Network Integrators and Installers; Distributors and Resellers. Most are market leaders in their own fields.

**Our products** include Electronic Connectors; Cable Assemblies, Sub-systems and Enclosures, Telecom and Computer Networking Products, Custom/Application Specific Interconnection Products and Systems.

**Our support team** based in Cambridge, England, includes Application and Development Engineers with a wealth of knowledge and experience to help provide you with the best solutions to your interconnection requirements - no matter how small or large/simple or complex.

**Our factories** are ISO9001 approved thus assuring you of the highest quality of supply, performance and durability. Our facilities at Cambridge provide the following products:-

### **Cambridge Connectors Division**

- Sub-miniature D
- Waterproof D
- Filter D
- Mixed Layout D
- Coaxial RF
- Circular
- Standard, ½ and ¼ DIN 41612
- Mixed Layout DIN 41612
- RJ45 Modular Connectors
- Printed Circuit Edge Card

### **System Connections Division**

- Telco, Hydra Patch Leads
- D Sub-miniature Assemblies
- Power/Data Management Systems
- Coaxial/RF Assemblies
- Fibre Optic Assemblies
- Moulded & Waterproof Assemblies
- Customised Assemblies
- Panels & Enclosures

### **Network Products Group**

- G.703 Telecoms Baluns
- 19" G.703 Balun panels
- DDF Mounted G.703 Baluns
- Dual & Single path Baluns
- Data Baluns

Cambridge Connectors / Network Products

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System Connections

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