



**Cambridge Connectors**

a division of Cambridge Electronic Industries Ltd

# Circular Connectors



Denny Industrial Centre, Waterbeach, Cambridge CB25 9QR England

Tel: +44 (0)1223 860041 Fax: +44 (0)1223 863625

email: [sales@cambridgeconnectors.com](mailto:sales@cambridgeconnectors.com)

net: [www.cambridgeconnectors.com](http://www.cambridgeconnectors.com)

**Sam Woo Electronics Company Ltd. - TV Camera and Circular Connectors**

Sam Woo circular connectors are now available from Cambridge Connectors.

The range 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

Tel: +44 (0)1223 860041 Fax: +44 (0)1223 863625 Email: [sales@cambridgeconnectors.com](mailto:sales@cambridgeconnectors.com)

System Connections

Tel: +44 (0)1223 863377 Fax: +44 (0)1223 863625 Email: [sales@systemconnections.co.uk](mailto:sales@systemconnections.co.uk)