

SnapTac[®] Series

Circular and rectangular miniature snap fit connectors



Hyperspring® Technology

Snaptac® product range is equipped with Hyperspring® contacts combining our high-reliability hyperboloid contact technology, with the mechanical features of a spring-loaded contact, to produce interconnections with improved signal integrity, high reliability and current density, and proven parametric stability over time.

A key innovation within the Snaptac® connector range is in the design of the spring loaded contact. For the first time, a hyperboloid socket has been combined with a spring loaded plunger to provide a compressible contact.

This arrangement enables the characteristics of very low and stable contact resistance, high current carrying capability, and extremely low wear mechanisms for extended operation over time to be realised within a sealed while unmated connector system. This unique combination enables the spring loading characteristic to be determined separately from the electrical characteristics thus optimising the mechanical, electrical and environmental performance.



Technical characteristics

Contact Dia	0.50 mm	
Current Rating	3 A	
Spring Force (max)	1.5 N	
Contact Resistance	<15mΩ	
Mating Cycles	100,000	
Material	- Non functional parts - Spring contact element - Spring element - Interface pin connection - Contact terminations Brass plated with Au or Ni CuBe plated with 1.27 µm Au Stainless steel AISI 302 Bronze or CuBe plated with 1.27 µm Au Brass or Bronze plated with 1.27 µm Au	

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SnapTac® Miniature Connectors

SnapTac® connectors provide a very reliable and robust connector system ideal for use in potentially dirty environments or where fast and easy mating and demating characteristics are required. Through the use of compressible contacts, potential mating and connectivity problems that can arise when the bores of conventional socket contacts become contaminated by the mud and detritus that may occur in everyday use are avoided. The easy to clean nature of the target and chisel blade contact mechanism, together with the sealed when unmated characteristic of both plug and receptacle, make this connector system ideal for harsh environments where reliability is paramount.

Available geometries

SnapTac® connectors are available in both circular (7-, 13-, and 19-) and rectangular (12-, 21-, and 30-) way geometries. The SnapTac® connector plugs are available in two versions, with and without over-moulding, following requests for both turn-key solutions and easy integration into existing designs. A 90° overmoulded version is also available for the circular connector. The receptacle offers straight through and solder cup termination styles. The locking mechanism is easy and fast: the circular connector range features a snap on locking, the 12 and 21 way rectangular connectors are push pull, the 30 way rectangular connector has a quick turn locking device. 7, 13 and 19 way circular extenders, with and without overmoulding, are available for applications requiring in-line connection. Several hardware coding are available to avoid mismatching and to satisfy the customer technical needs as many non standard options are available. Please contact our sales office if you don't find in the catalogue the version that meets your requirements.

Up to 10,000 mating cycles

Tactical communication equipment must survive the rigours of hostile environments and withstand the damage of dust, sand, mud. The connectors used on both the handset and headset can be mated and unmated thousand of times during the equipment life. SnapTac® connectors ensure higher durability and superior performance through the use of the unique Hypertac hyperboloid contact technology, offering shock and vibration immunity, low contact resistance, high current and voltage ratings, low mating forces, long life and low rate of wear.

The HyperSpring® spring loaded contacts used inside the connectors cannot be damaged or bent from mishandling. Their inherent self cleaning wiping action removes surface contamination, thus ensuring that the connector can't be damaged by the building up of surface films.

Lighter and Compact

SnapTac® connectors combine robust environmental performance with compact size and light weight, which make them ideal for lightweight, compact, wearable EMI shielded electronic systems for applications including communication, identification / recognition, and other critical tasks.

Waterproof and EMI protected

SnapTac® connectors are IP67 sealed according to IEC529 when mated and unmated. They incorporate full line EMI shielding and provide for high robustness throughout their lifetime.

Accessories - Dust caps

Dust caps are available to protect the connector when unmated and to ensure full EMI shielding. The metal version is supplied in the same material of the connector (aluminium, brass, stainless steel), the rubber version is available in fluoro-polymer rubber.

Special flanges have been designed to facilitate the rectangular connector rear panel mounting.

Value Added services

Technical performance data hereby reported refer to SnapTac® connectors equipped with Hypertac cabling and overmoulding.

Custom and value added solutions are provided for customers' specific requirements including cabling, mechanical, instrumentation housing and testing. Custom solutions save valuable engineering and manufacturing time for customers and ensure the overall performance of the final product.

Applicable Documents

Base Material - Standard Specification

MIL-M-24519	Moulding Plastics, Electrical, Thermoplastic
ASTM-B-16	Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines
ASTM-B-121	Leaded Brass Plate, Sheet, Strip, and Rolled Bar
ASTM-B-139	Standard Specification for Phosphor Bronze Rod, Bar, and Shapes
ASTM-B-196	Copper-Beryllium Alloy Rod and Bar
ASTM-B-197	Copper Beryllium Alloy Wire
ASTM-B-209	Aluminum and Aluminum-Alloy Sheet and Plate
ASTM-B-455	Standard Specification for Copper-Zinc-Lead Alloy (Leaded-Brass) Extruded Shapes
ASTM-A-582	Free-Machining Stainless Steel Bars and Heat Resisting Steel Bars, Hot Rolled or Cold Finished

Surface Treatment - Standard Specification

SAE-AMS-26074	Coatings, Electroless Nickel
MIL-STD-869	Standard Specification for Flame Spraying
ASTM-B-488	Electrodeposited Coatings of Gold for Engineering Uses
ASTM-A-967	Chemical Passivation Treatments for Stainless Steel Parts
QQ-N-290	Nickel Plating Electrodeposited

Test Procedures

EIA 364	Test Methods For Electrical Connectors
UL94	Test Methods For Flammability Rating
IEC 529	Degrees of protection provided by enclosures
IEC 512	Electromechanical components for electronic equipment

Technical Characteristics

Circular Connector

General

Hyperspring® Contact Number	7,13,19
Receptacle Contact Termination	Solder Cup, Straight PCB
Plug Contact Termination	Solder Cup, Straight PCB
AWG Contact	24-28
Cable Diameter Range	Max 6 mm (7 ways) - Max 7.5 mm (13 ways) - Max 8.5 mm (19 ways)

Materials and Plating

Inner Insulators	Polyphenylensulfide (PPS) type GST-40F per MIL-M-24519 V0 per UL 94
Interface Insulators	NBR Rubber per CEI 2019 Black V0 per UL 94
Overmoulded	Hot melt Polyamide 6.6
Housing	(see table 1)
Locking Hardware	Canted coil spring: Beryllium Copper
EMI-Gasket	Canted coil spring: Beryllium Copper

Hyperspring® Contacts

Non Functional Parts	Brass as per ASTM-B-455 plated with Au as per ASTM-B-488
Spring Contact Element	CuBe as per ASTM-B-197 plated with Au as per ASTM-B-488
Spring Element	Stainless Steel AISI 302
Interface Pin Connection	Bronze as per ASTM-B-139 plated with Au as per ASTM-B-488
Plug Contact Terminations (solder cups)	Brass as per ASTM-B-455 plated Au as per ASTM-B-488
Bonding Agent	Epoxy resin
Mass Data	Related to standard connectors configuration (see table 2)

Electrical Characteristics

EMI Shielding	360° shield coverage
Current Rating	3A@25°C for each contact according to IEC 512-3
Dielectric Withstanding Voltage (between contacts)	500 Vrms at sea level and 150 Vrms at 21336m according to EIA 364.20
Contact Resistance (low level)	< 15 mΩ for each contact according to EIA 364.6
Insulation Resistance	1000 MΩ @ 500V d.c. according to EIA364.21
Electrical Bonding Resistance	(see table 3)

Mechanical and Environmental Characteristics

Temperature Range	-55°C +85°C
Temperature Cycling	EIA364.32 Method A
Salt Spray	EIA364.26 Condition A - mated connectors
Humidity	EIA364.31 Method IV
IP Level	67 mated and unmated IEC 529
Vibration	EIA364.28 Condition III
Shock	EIA364.27 Condition G
Hyperspring® Force (single contact)	Max 1.5 [N]
Connector Mating / Unmating Force	EIA364.09 (see table 4)

Table 1

Material		N	P	W
Alluminium Alloy AV2024 <i>ASTM-B-209</i>	AA*	Chemical Ni Matt Grey 20 µm SAE AMS-C-26074		Metal Spraying Tungsten Carbide Black 1-5 µm as per MIL-STD-869
Brass CuZn39Pb3 <i>ASTM-B-16</i>	BR*			
Stainless Steel AISI316 <i>ASTM-B-582</i>	XS*		Passivation Matt Grey as per ASTM-A-967	

Table 2

	(grams)	Mass data		
		Plug	Receptacle	Extender
C07	AA	4	4.8	4.2
	BR/XS	7.6	10.2	8
C13	AA	6.7	6.5	6
	BR/XS	11.4	13.5	12
C19	AA	8.4	7.1	7
	BR/XS	13.7	15.1	14.2

AA: Aluminium Alloy; BR: Brass; XS: Stainless Steel

Table 3

Electrical bonding resistance vs material/surface treatment			
AAN	BRN/BRW	XSP	XSW
<15 mΩ	<40 mΩ	<250 mΩ	<40 mΩ

Table 4

		Mating & unmating force				
		Mating [N]		Unmating [N]		Life [# Cycle]
		Min	Max	Min	Max	
C07	AAN/BRN/XSP	20	40	18	45	1K Cycles
	BRW/XSW					10K Cycles
C13	AAN/BRN/XSP	20	40	18	45	1K Cycles
	BRW/XSW					10K Cycles
C19	AAN/BRN/XSP	25	45	20	50	1K Cycles
	BRW/XSW					10K Cycles

AA: Aluminium Alloy; BR: Brass; XS: Stainless Steel

How To Order



ST1091	
SNAPTAC	
1	2
3	4
5	6
7	8
1 Connector family	
2 Connector type	C Circular
3 Number of ways	0 7 1 3 1 9
4 Connector style	P Plug R Receptacle rear panel mount E Extender in line W Extender rear panel mount X Receptacle front panel mount Y Plug front panel mount Z Plug rear panel mount
5 Termination style	S Solder cup D PCB straight
6 Housing polarizations	From C00 up to C07
7 Wiring diagram ⁽¹⁾	From CH01 up to CHnn
8 Base material & surface protection	A A N Aluminium alloy (AV2024) - Nickel B R N Brass - Nickel B R W Brass - Black tungsten carbide X S P Stainless steel AISI 316 - Passivated X S W Stainless steel AISI 316 - Black tungsten carbide

(1) Omit in case of connector without cable harnessing
Contact us for CH number

Notes:

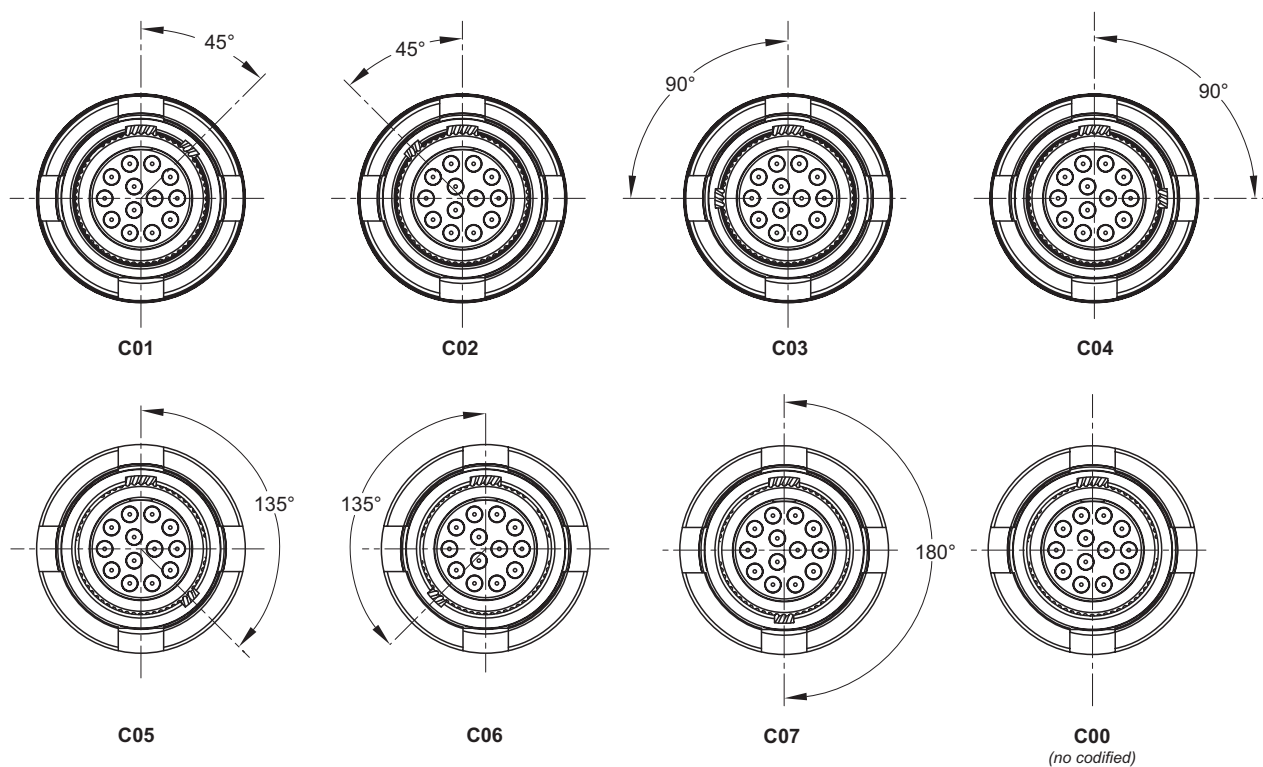
1. Connectors identification does not require empty space (eg: C13PSC01AAZ)

2. Harnessing identification does not require empty space (eg: C13PSC01CH01AAZ)

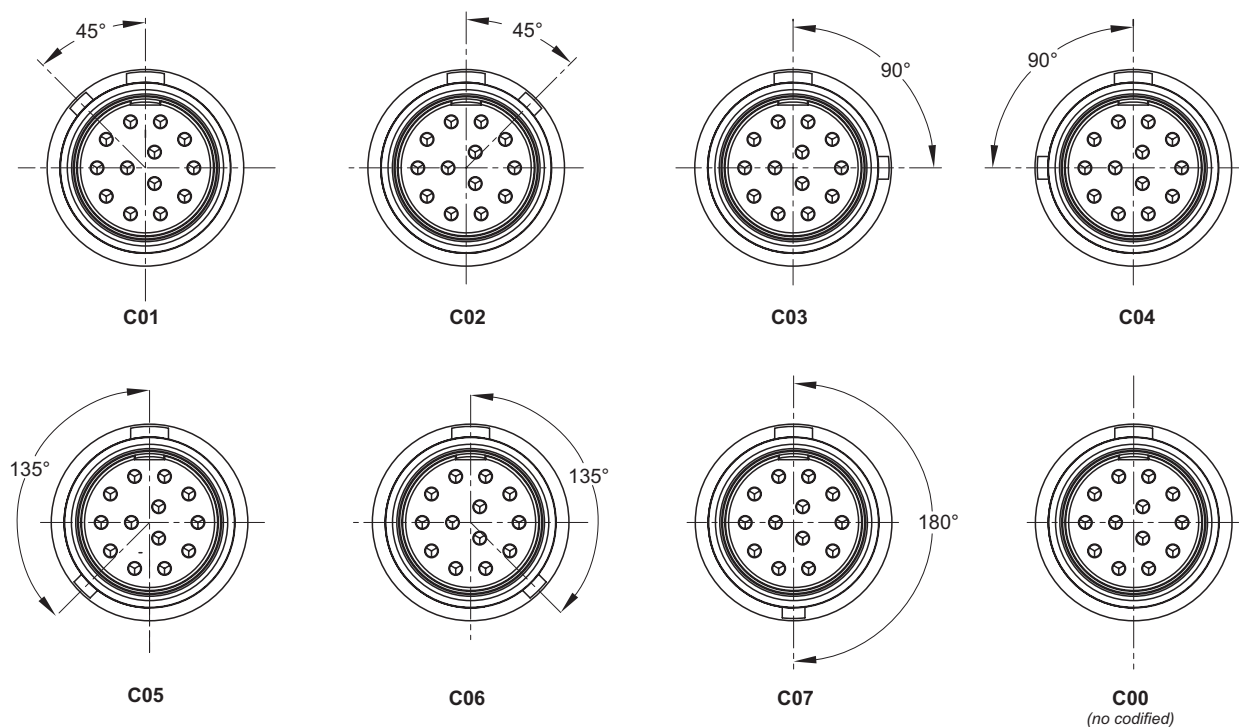
3. Harnessing is applicable only to connectors type P, E, W.

Available Polarizations

Receptacle Mating Side View

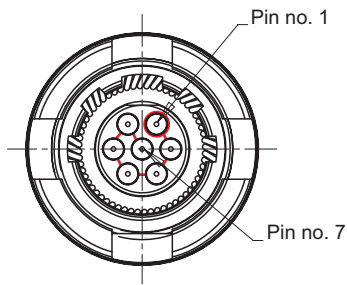


Plug Mating Side View

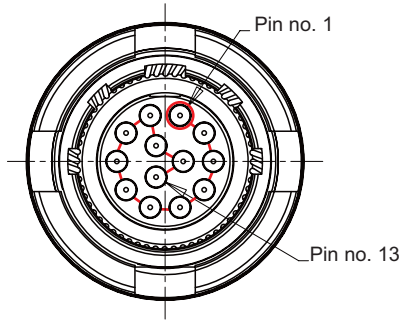


Contact Arrangement - View Mating Side

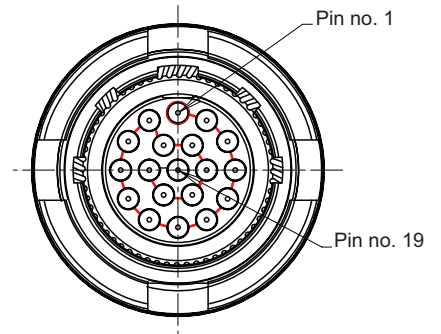
Receptacle C07R



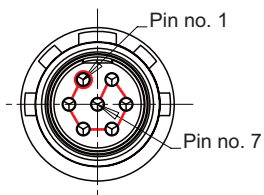
Receptacle C13R



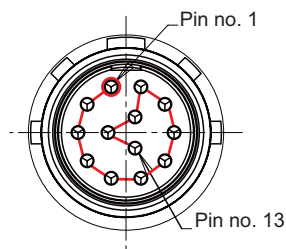
Receptacle C19R



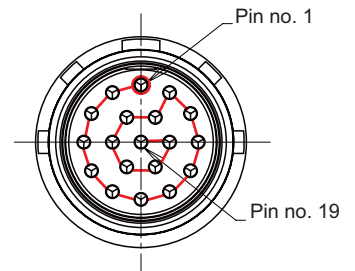
Plug C07P



Plug C13P



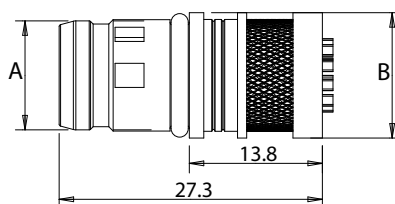
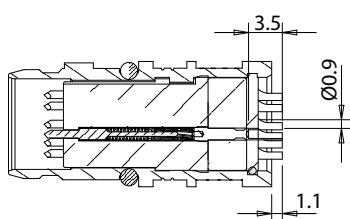
Plug C19P



Plug

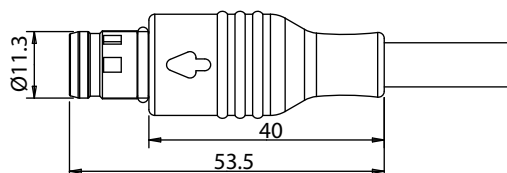
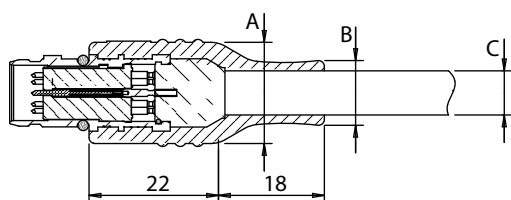
Plug - Solder Cup Termination

No. of ways	PN	A	B
7	C07PSC-----	Ø 8.30	Ø 10.20
13	C13PSC-----	Ø 11.30	Ø 13.00
19	C19PSC-----	Ø 12.30	Ø 14.00



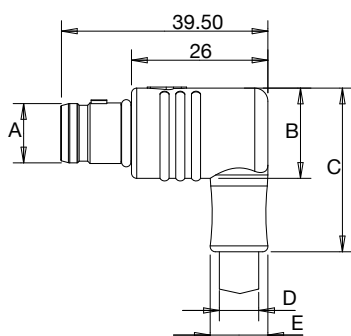
Plug - Solder Cup Termination with Overmoulding and Cabling

No. of ways	PN	A	B	C	D
7	C07PSC--CH-----	Ø 14.50	Ø 9.50	Ø 6.00 max	Ø 8.30
13	C13PSC--CH-----	Ø 17.20	Ø 11.00	Ø 7.50 max	Ø 11.30
19	C19PSC--CH-----	Ø 18.20	Ø 12.00	Ø 8.50 max	Ø 12.30



Plug - Solder Cup Termination with 90° Overmoulding and Cabling

No. of ways	PN	A	B	C	D	E
7	C07PSC--CH-----	Ø 8.30	Ø 14.50	28.50	Ø 9.50	Ø 6.00 max
13	C13PSC--CH-----	Ø 11.30	Ø 17.20	31.20	Ø 11.00	Ø 7.50 max
19	C19PSC--CH-----	Ø 12.30	Ø 18.20	32.20	Ø 12.00	Ø 8.50 max



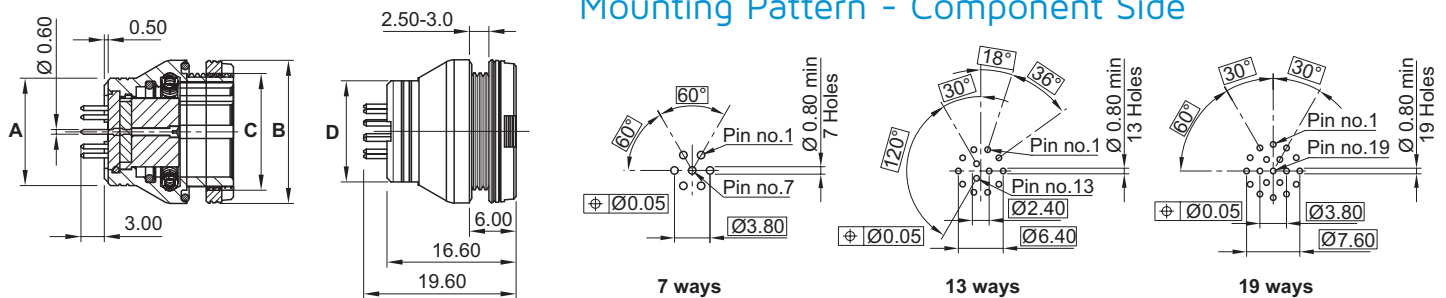
Receptacle

Receptacle - Straight Through Termination



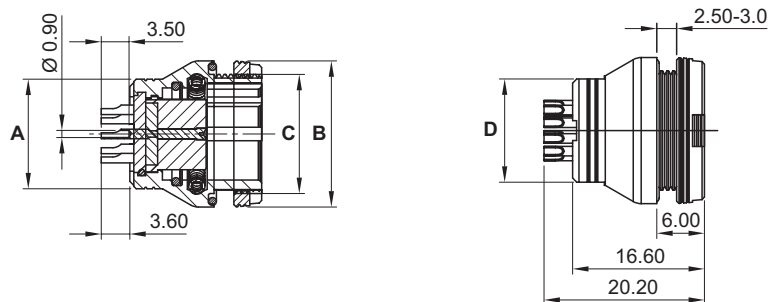
No. of ways	PN	A	B	C	D
7	C07RDC-----	Ø 11.00	Ø 15.40	M12x0.75	10.00
13	C13RDC-----	Ø 13.80	Ø 18.40	M15x0.75	13.00
19	C19RDC-----	Ø 14.80	Ø 19.40	M16x0.75	14.00

Mounting Pattern - Component Side

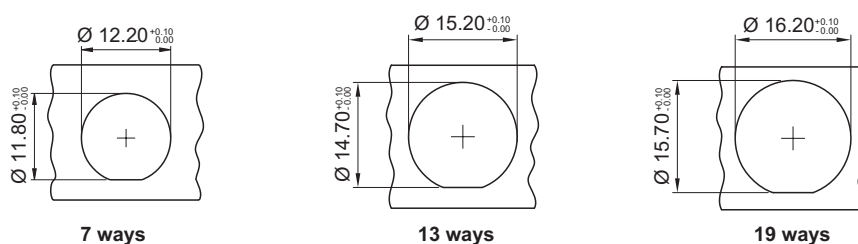


Receptacle - Solder Cup Termination

No. of ways	PN	A	B	C	D
7	C07RSC-----	Ø 11.00	Ø 15.40	M12x0.75	10.00
13	C13RSC-----	Ø 13.80	Ø 18.40	M15x0.75	13.00
19	C19RSC-----	Ø 14.80	Ø 19.40	M16x0.75	14.00



Panel Cut-out

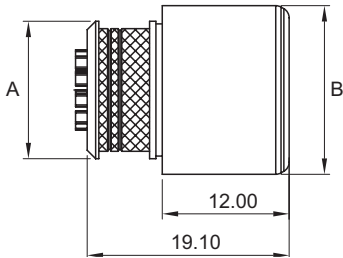
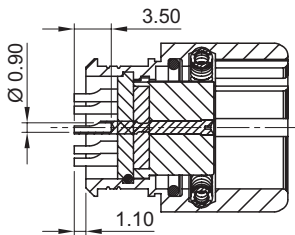


Note: panel thickness max 3 mm

Extender

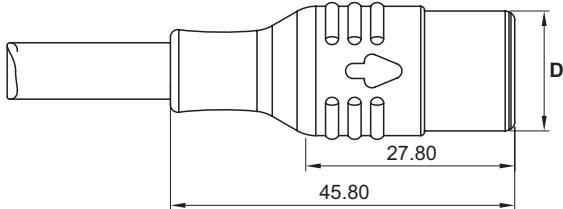
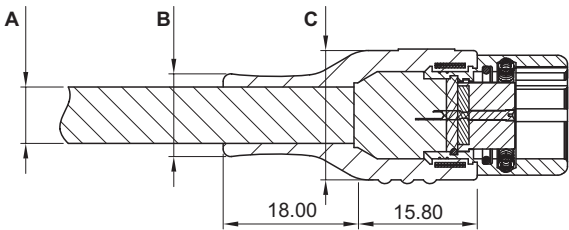
Extender - Solder Cup Termination

No. of ways	PN	A	B
7	C07ESC-----	Ø 10.20	Ø 13.00
13	C13ESC-----	Ø 13.00	Ø 16.00
19	C19ESC-----	Ø 14.00	Ø 17.00



Extender with Overmoulding and Cabling

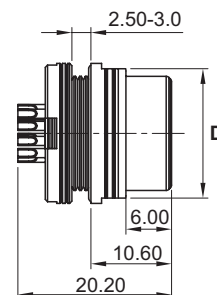
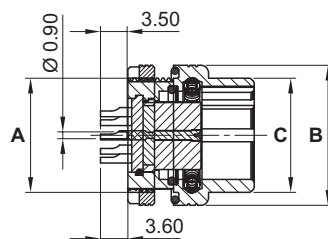
No. of ways	PN	A	B	C	D
7	C07ESC--CH-----	Ø 6.00 max	Ø 9.50	Ø 14.50	Ø 13.00
13	C13ESC--CH-----	Ø 7.50 max	Ø 11.00	Ø 17.20	Ø 16.00
19	C19ESC--CH-----	Ø 8.50 max	Ø 12.00	Ø 18.20	Ø 17.00



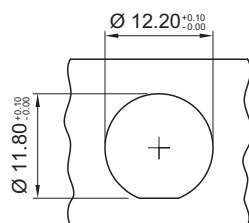
Receptacle

Front panel mounting with solder cup termination

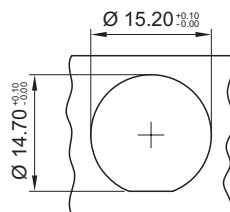
No. of ways	PN	A	B	C	D
7	C07XSC-----	M12x0.75	Ø 15.40	Ø 12.00	14.00
13	C13XSC-----	M15x0.75	Ø 18.40	Ø 15.00	17.00
19	C19XSC-----	M16x0.75	Ø 19.40	Ø 16.00	18.00



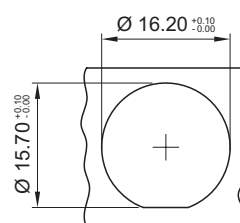
Panel Cut-out



7 ways



13 ways



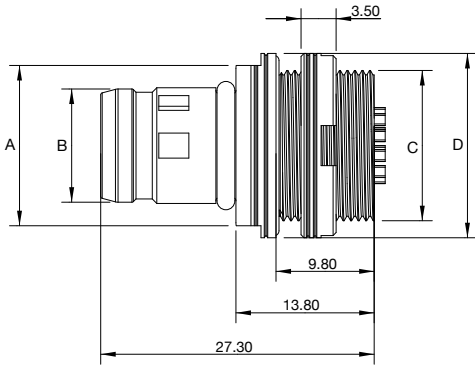
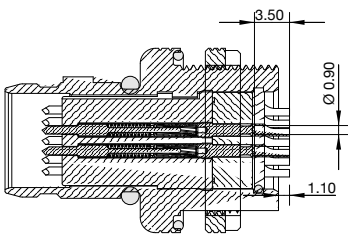
19 ways

Note: panel thickness max 3 mm

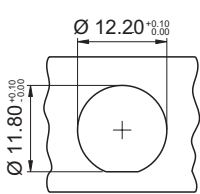
Plug

Front panel mounting with solder cup termination

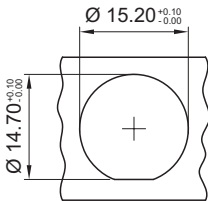
No. of ways	PN	A	B	C	D
7	C07YSC-----	13.00	Ø8.3	M12x0.75	Ø15.40
13	C13YSC-----	16.00	Ø11.30	M15x0.75	Ø18.40
19	C19YSC-----	17.00	Ø12.30	M16x0.75	Ø19.40



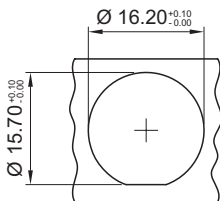
Panel Cut-out



7 ways



13 ways



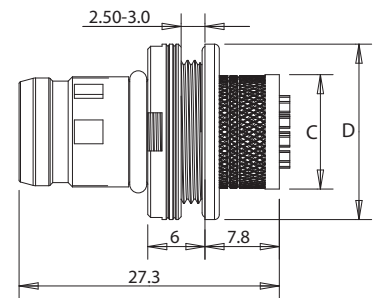
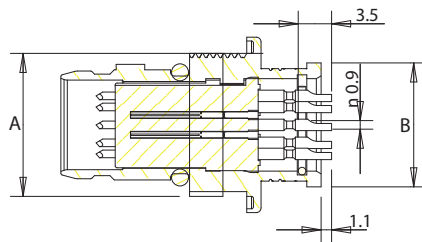
19 ways

Note: panel thickness max 3 mm

Plug

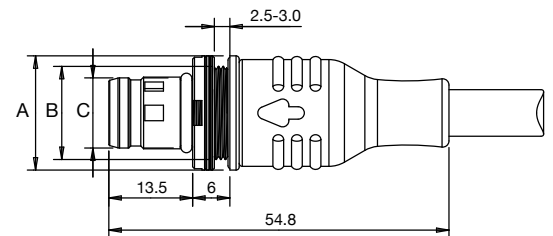
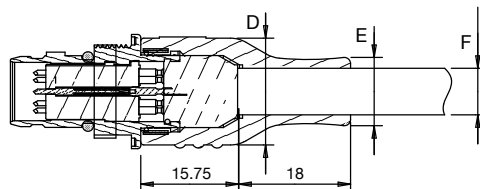
Rear Panel Mounting with Solder Cup Termination

No. of ways	PN	A	B	C	D
7	C07ZSC-----	M12x0.75	Ø10.20	9.00	Ø15.40
13	C13ZSC-----	M15x0.75	Ø13.00	12.00	Ø18.40
19	C19ZSC-----	M16x0.75	Ø14.00	13.00	Ø19.40



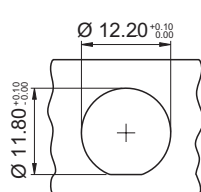
Rear Panel Mounting with Overmoulding and Cabling

No. of ways	PN	A	B	C	D	E	F
7	C7ZSC--CH-----	Ø15.40	M12x0.75	Ø8.30	Ø14.50	Ø9.50	Ø6.00 max
13	C13ZSC--CH-----	Ø18.40	M15x0.75	Ø11.30	Ø17.20	Ø11.00	Ø7.50 max
19	C19ZSC--CH-----	Ø19.40	M16x0.75	Ø12.30	Ø18.20	Ø12.00	Ø8.50 max

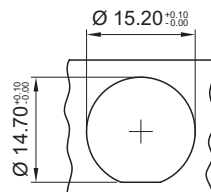


Note: for 7 and 19 ways connector details please contact our sales office.

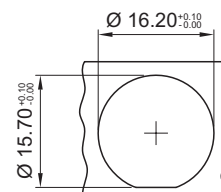
Panel Cut-out



7 ways



13 ways

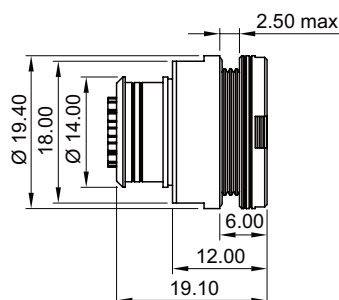
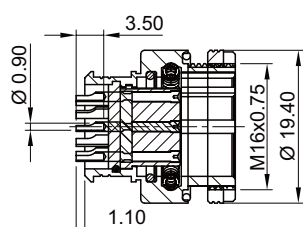


19 ways

Note: panel thickness max 3 mm

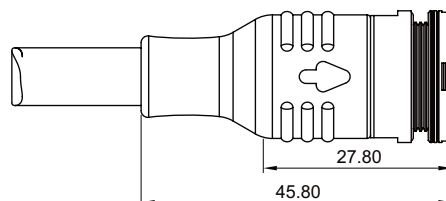
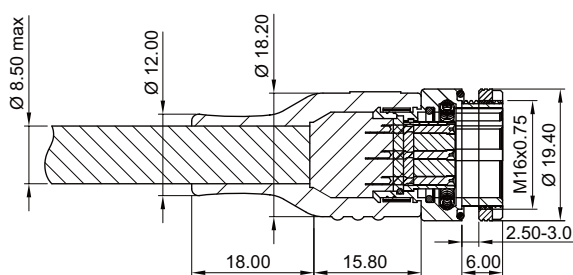
Extender

Rear Panel Mounting with Solder Cup Termination



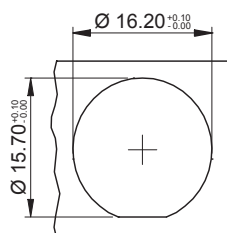
Ref. C19WSC-----

Rear Panel Mounting with Overmoulding and Cabling



Ref. C19WSC--CH-----

Panel Cut-out



Note: panel thickness max 3 mm

How To Order



Accessories - Dust Cap

ST1091

SNAPTAC

1

2

3

4

5

6

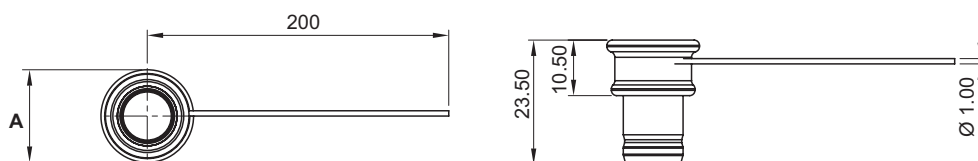
1 Connector family	
2 Connector type	C Circular
3 Number of ways	071319
4 Dust cap type	CP Dust cap for plugCR Dust cap for receptacle
5 Dust cap version	MET Metallic capRUB Rubber cap
6 Base material & surface protection	AAN* Aluminium alloy (AV2024) - Nickel BRN* Brass - Nickel BRW* Brass - Black tungsten carbide XSP* Stainless steel AISI 316 - Passivated XSW* Stainless steel AISI 316 - Black tungsten carbide FPR** Fluoro polymer rubber

* Only for MET
** Only for RUB

Dust Cap

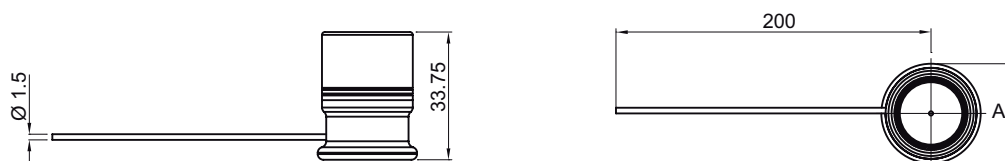
Metal Version for Receptacle

No. of ways	PN	A
7	C07CRMET---	Ø 15.00
13	C13CRMET---	Ø 17.50
19	C19CRMET---	Ø 18.50



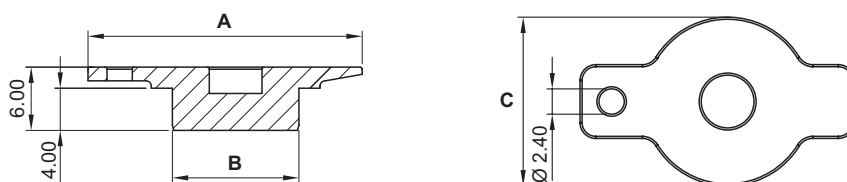
Metal Version for Plug

No. of ways	PN	A
7	C07CPMET---	Ø 15.00
13	C13CPMET---	Ø 17.50
19	C19CPMET---	Ø 18.50



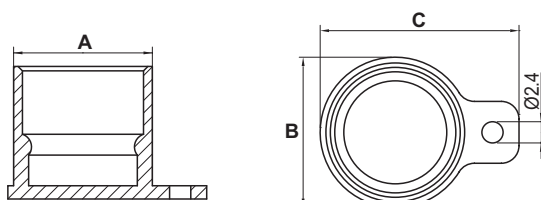
Rubber Version for Receptacle

No. of ways	PN	A	B	C
7	C07CRRUBFPR	23.00	Ø 9.00	Ø 13.00
13	C13CRRUBFPR	26.00	Ø 12.00	Ø 16.00
19	C19CRRUBFPR	27.00	Ø 13.00	Ø 17.00



Rubber Version for Plug

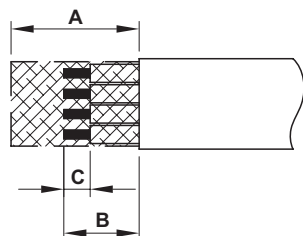
No. of ways	PN	A	B	C
7	C07CPRUBFPR	11.70	13.00	20.50
13	C13CPRUBFPR	14.70	16.50	22.25
19	C19CPRUBFPR	15.70	17.00	22.50



Note: contact us for rubber version for plug

Cable Preparation

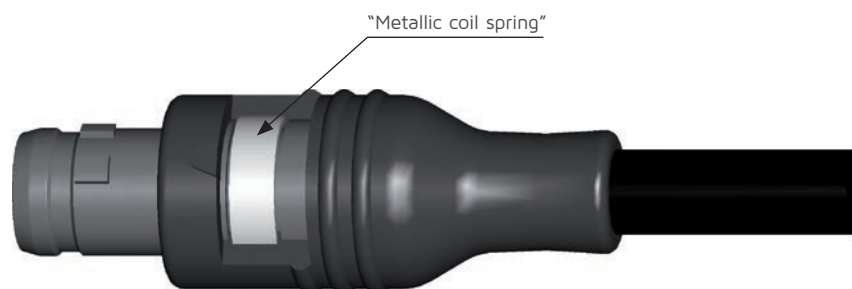
See below the stripping lengths for braid shield (A) and single wire (B & C).



	Plug (ref P)	Extender (ref E)
A	17	13
B	10	10
C	3.5	3.5

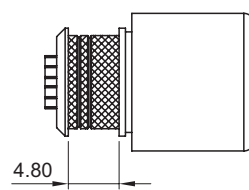
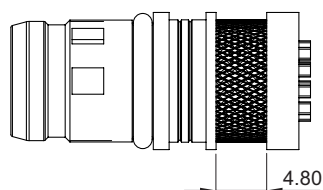
EMI/EMC Protection

Plug (ref. P), extender in line (ref. E) and extender rear panel mounting (ref. W) of this specification are designed to be supplied with assembled cables. The electrical continuity between metal shell and cable shield is granted by a specific metallic coil spring for cable braid as showed in the picture.



Connector Size	Order Reference
C07	M1035
C13	M1036
C19	M1036

See below the knurled area for braid shield connection.



Technical Characteristics

Rectangular Connector

General	
Hyperspring® Contact Number	12,21,30
Receptacle Contact Termination	Solder Cup, Straight PCB
Plug Contact Termination	Solder Cup
AWG Contact	24-30
Cable Diameter Range	Max 8 mm
Materials and Plating	
Inner Insulators	Polyphenilensulfide (PPS) type GST-40F per MIL-M-24519 V0 per UL 94
Interface Insulators	NBR Rubber per CEI 2019 Black V0 per UL 94
Overmoulded	Hot melt Polyamide 6.6
Housing	(see table 1)
Locking Hardware	Stainless Steel AISI 3xx - Passivated as per ASTM-A-967 - Coating Oxide Black as per MIL-DTL-13924D - Metal Spraying Tungsten Carbide Black as per MIL-STD-869
EMI-Gasket	Conductive Silicon
Hyperspring® Contacts	
Non Functional Parts	Brass as per ASTM-B-455 plated with Au as per ASTM-B-488
Spring Contact Element	CuBe as per ASTM-B-197 plated with Au as per ASTM-B-488
Spring Element	Stainless Steel AISI 302 passivated as per ASTM-A-967
Interface Pin Connection	Bronze as per ASTM-B-139 plated with Au as per ASTM-B-488
Plug Contact Terminations (solder cups)	Brass as per ASTM-B-455 plated Au as per ASTM-B-488
Bonding Agent	Epoxy resin
Mass Data	Related to standard connectors configuration (see table 2)
Electrical Characteristics	
EMI Shielding	360° shield coverage
Current Rating	3A@25°C for each contact according to IEC 512-3
Dielectric Withstanding Voltage (between contacts)	500 Vrms at sea level and 150 Vrms at 21336m according to EIA 364.20
Contact Resistance (low level)	< 15 mΩ for each contact according to EIA 364.6
Insulation Resistance	1000 MΩ @ 500V d.c. according to EIA364.21
Mechanical and Environmental Characteristics	
Temperature Range	-55°C +85°C
Temperature Cycling	EIA364.32 Method A
Salt Spray	EIA364.26 Condition A - mated connectors
Humidity	EIA364.31 Method IV
IP Level	67 mated and unmated IEC 529
Vibration	EIA364.28 Condition III
Shock	EIA364.27 Condition G
Hyperspring® Force (single contact)	Max 1.5 [N]
Connector Mating / Unmating Force	Max 60 [N] (12 ways) - Max 70 [N] (21 ways) - Max 80 [N] (30 ways)

Table 1

		Surface treatment	
Material		Z	N
Alluminium Alloy AV2024 ASTM-B-209	AA*	Zn/Co on Chemical Ni Black 5 µm SAE AMS-C-26074 Class 1	Chemical Ni Matt Grey 20 µm SAE AMS-C-26074 Class 1

Table 2

Mass data			
(grams)	Plug	Plug (front panel mount)	Receptacle
R12	16	NA	5.5
R21	23	NA	7.5
R30	38	18	7.5

How To Order



ST1089							
SNAPTAC							
1	2	3	4	5	6	7	8
1 Connector family							
2 Connector type	R Rectangular						
3 Number of ways	1 2 2 1 3 0						
4 Connector style	P Plug R Receptacle front panel mount Y Plug front panel mount (only 30 ways)						
5 Termination style	S Solder cup D PCB straight (length = 3.15 mm) L PCB straight (length = 14 mm)						
6 Housing polarizations	From C00 up to C16 (only for 12 & 21 ways) - (preferred polarizations C01 - C06 - C11 - C16)						
7 Wiring diagram ⁽¹⁾	From CH01 up to CHnn						
8 Base material & surface protection	A A Z Aluminium alloy (AV2024) - Zinc cobalt A A N Aluminium alloy (AV2024) - Nickel						

(1) Omit in case of connector without cable harnessing
Contact us for CH number

Notes:

1 Connectors identification does not require empty space (eg: R12PSC01AAZ)

2 Harnessing identification does not require empty space (eg: R12PSC01CH01AAZ)

3 Harnessing is applicable only to connectors type P

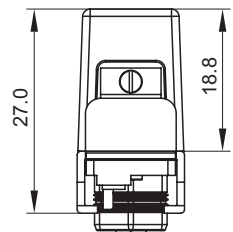
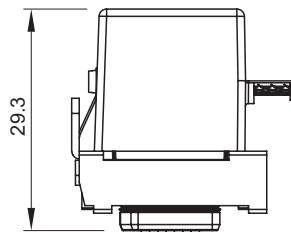
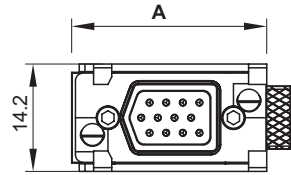
4 Straight termination contacts are applicable only to R&Y

Plug

Plug - Solder Cup Termination



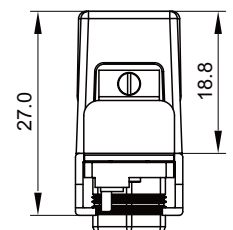
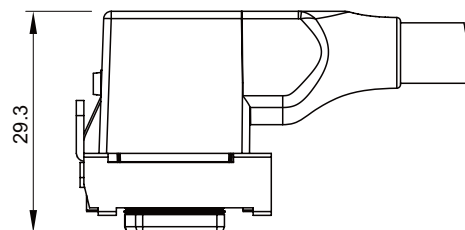
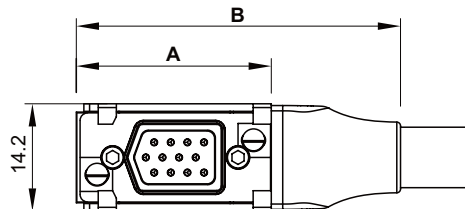
No. of ways	PN	A
12	R12PSC-----	25.8
21	R21PSC-----	32.4



Plug with Overmoulding and Cabling

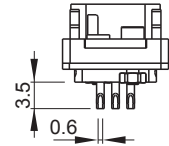
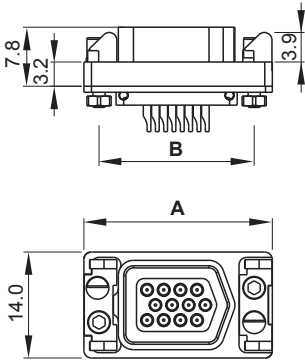


No. of ways	PN	A	B
12	R12PSC--CH-----	25.8	42,9
21	R21PSC--CH-----	32.4	49.6



Receptacle

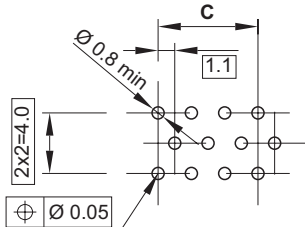
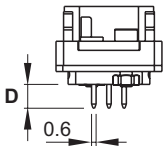
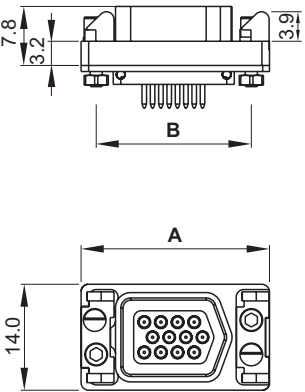
Receptacle - Solder Cup Termination



No. of ways	PN	A	B
12	R12RSC-----	24.9	20.5
21	R21RSC-----	31.5	27.1



Receptacle - Straight Through Termination



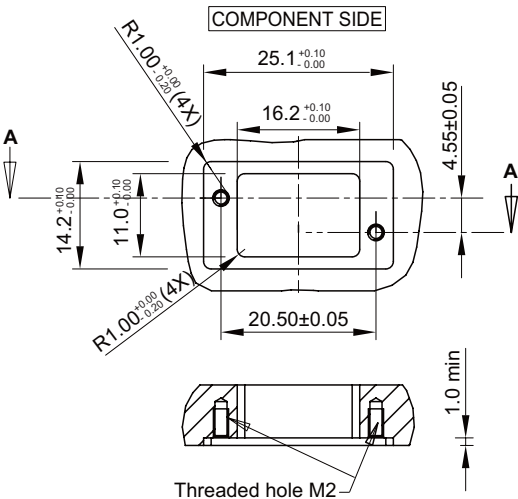
Mounting pattern - Component side

No. of ways	PN	A	B	C	D
12	R12RDC-----	24.9	20.5	6.6	3.15
	R12RLC-----				14
21	R21RDC-----	31.5	27.1	13.2	3.15
	R21RLC-----				14

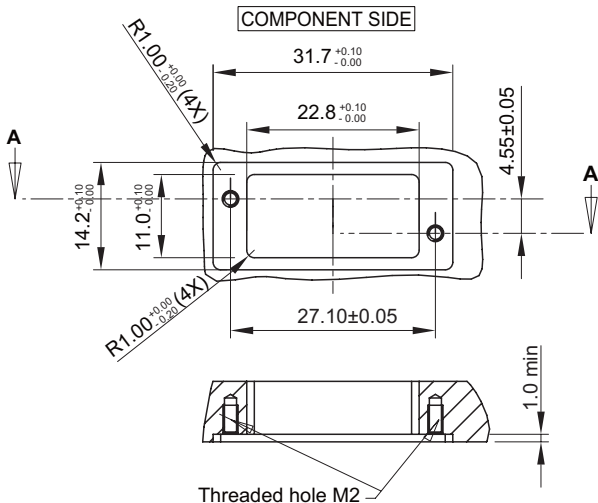


Panel Cut-out

12 Ways



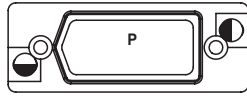
21 Ways



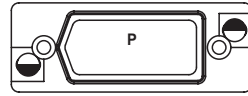
Available Polarizations for 12 and 21 Ways



C01



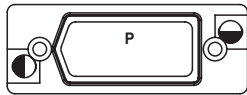
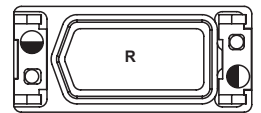
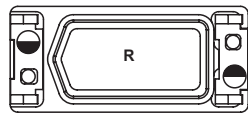
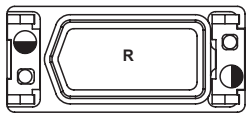
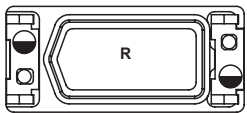
C02



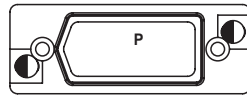
C03



C04



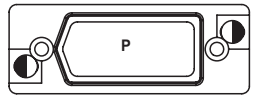
C05



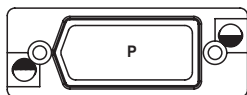
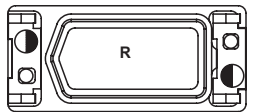
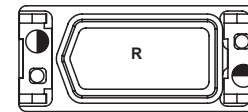
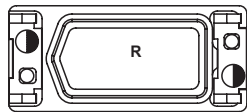
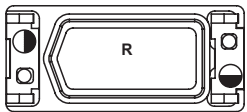
C06



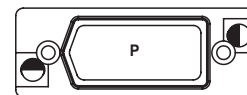
C07



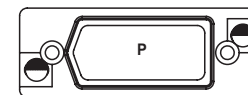
C08



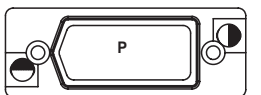
C09



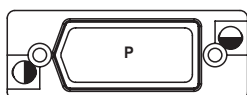
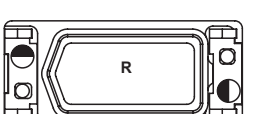
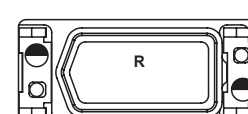
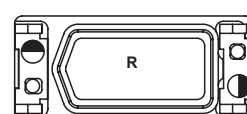
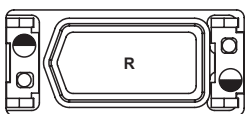
C10



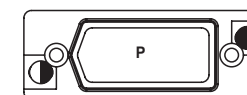
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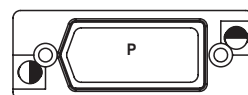
C12



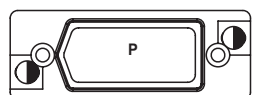
C13



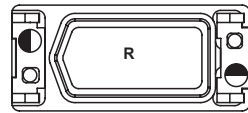
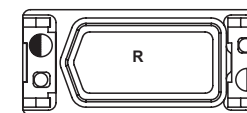
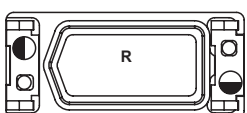
C14



C15

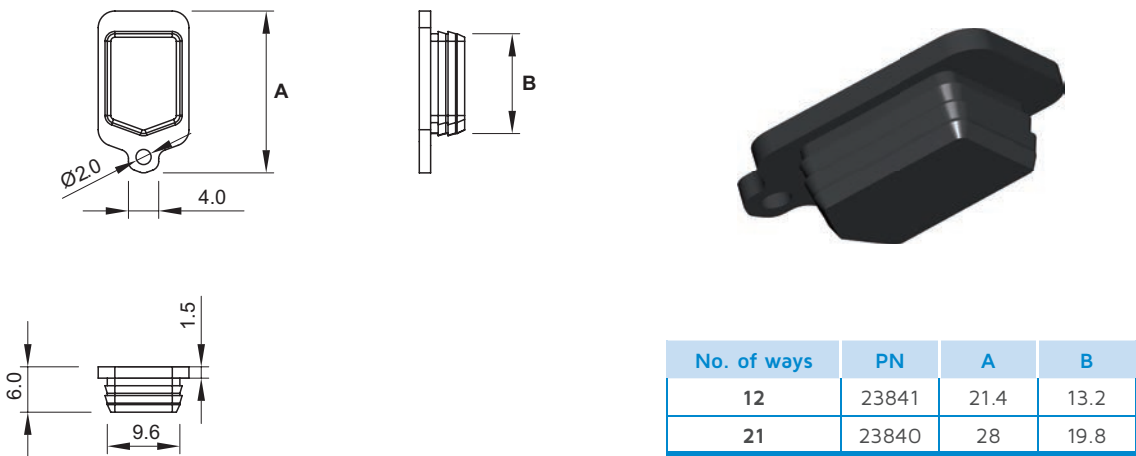


C16



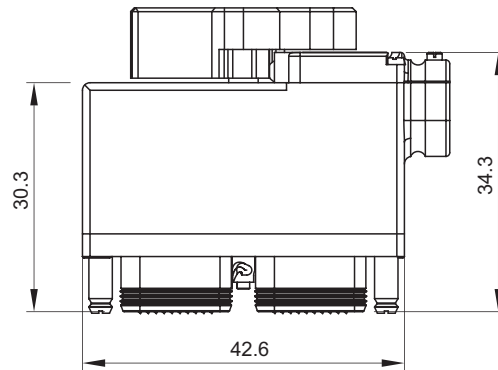
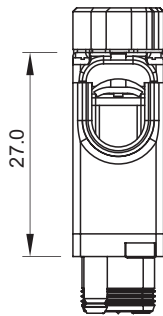
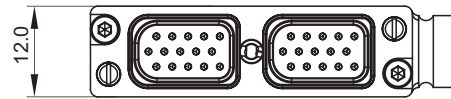
Dust Cap

Accessories

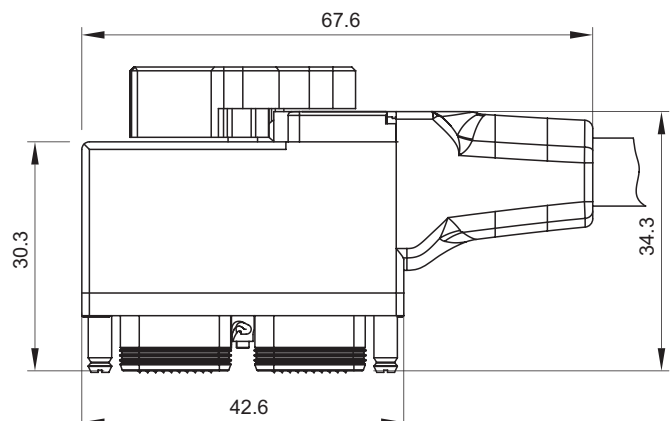
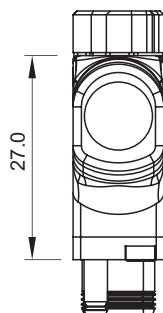
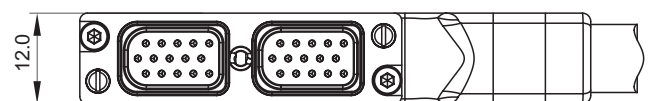


30 Ways Plug

30 Ways plug - Solder Cup Termination



30 Ways Plug with Overmoulding and Cabling



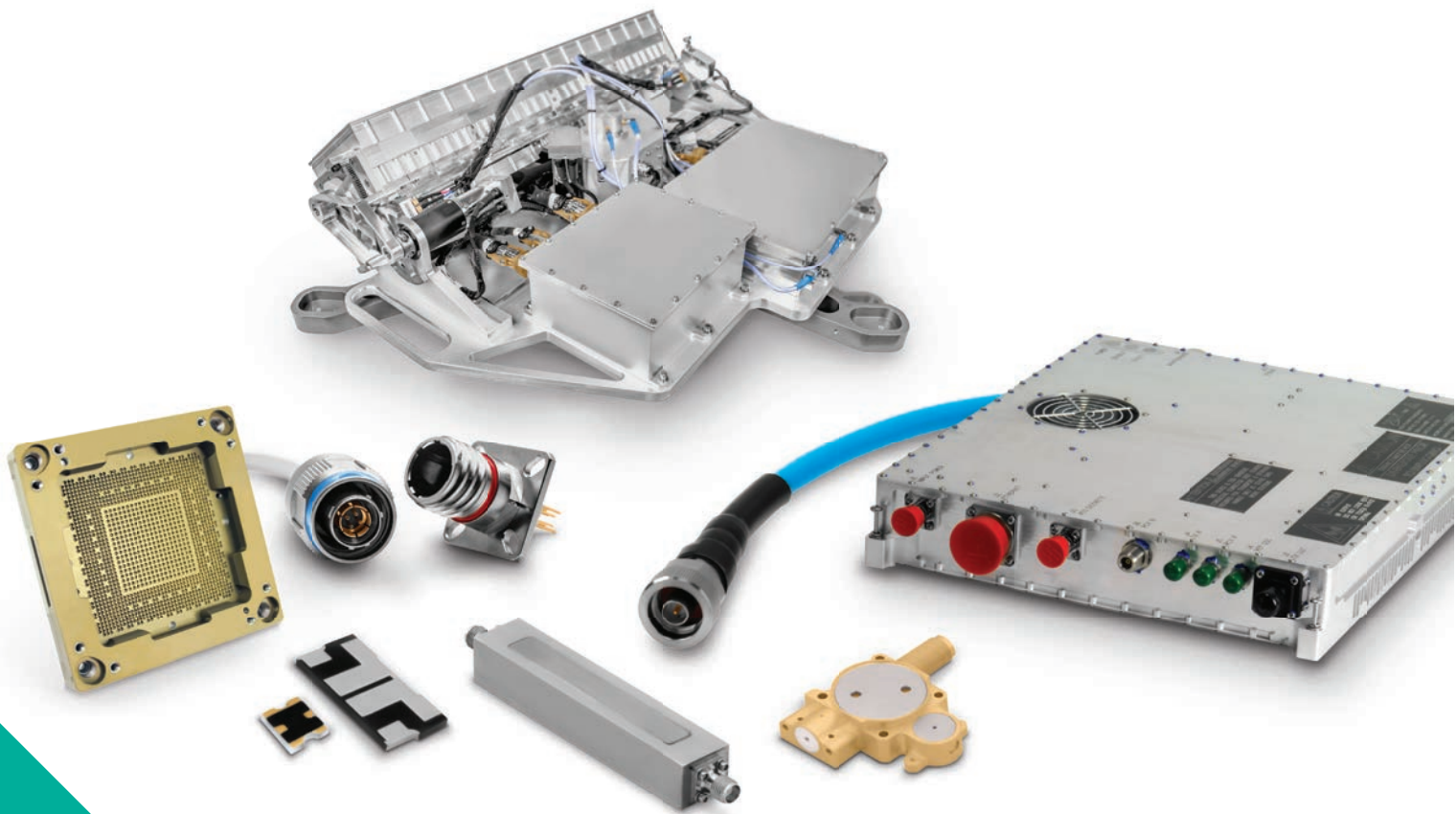
Technical drawings of the 26-pin D-sub connector, showing various views and dimensions:

- Top Left View:** Front view showing overall dimensions: 42.6 (width), 12.0 (height), and 32.8 (distance between pin rows).
- Top Right View:** 3D perspective view of the connector.
- Middle Left View:** Side view showing dimensions: 18.3 (height), 3.1 (height of pin row), and $\varnothing 0.6$ (pin diameter).
- Middle Right View:** Front view of the component side showing dimensions: 9.8 (width of pin row), 11.0 (height of pin row), 42.8 (width), 33.0 (width), 38.8 (width), 12.2 (height), 10.0 (height), 5.8 (height), and R1.00 (radius).
- Bottom Left View:** Mounting pattern showing dimensions: 17.8 (width), 1.05 (width), 2.1x4=8.4 (width), 2x2=4.0 (width), and $\varnothing 0.05$ (hole diameter).
- Bottom Right View:** Cross-section view showing a threaded hole M2 and a 1.0 min dimension.

All of the information included in this catalogue is believed to be accurate at the time of printing. It is recommended, however, that users should independently evaluate the suitability of each product for their intended application and be sure that each product is properly installed, used and maintained to achieve desired results. Smiths Interconnect makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Smiths Interconnect reserves the right to modify design and specifications, in order to improve quality, keep pace with technological development or meet specific production requirements.

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Product Portfolio



- Antenna Systems
- Cable Assemblies
- Connector Solutions
- Ferrite Components & Assemblies
- RF Filter Components & Assemblies
- Integrated Microwave Assemblies
- Millimeter-Wave Solutions
- RF Components
- Test Sockets and WLCSP Probe Heads
- Time & Frequency Systems

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