

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.



Techical 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 partsSpring contact elementSpring elementInterface pin connectionContact 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	Polyphenilensulfide (PPS) type GST-40F per MIL-M-24519 VO per UL 94
Interface Insulators	NBR Rubber per CEI 2019 Black VO 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	Development ACTM D 455 plant doubt Avenue ACTM D 400
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 m Ω for each contact according to EIA 364.6
Insulation Resistance	1000 M Ω @ 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	AA*			
ASTM-B-209		Chemicəl Ni Mətt Grey 20 µm		
Brass CuZn39Pb3	BR*	SAE AMS-C-26074		
ASTM-B-16				Metal Spraying Tungsten Carbide
Stainless Steel AISI316	XS*		Passivation	Black 1-5 µm
ASTM-B-582			Matt Grey as per ASTM-A-967	as per MIL-STD-869

Table 2

		Mass data		
	(grams)	Plug	Receptacle	Extender
C07	AA	4	4.8	4.2
CO7 BR/)	BR/XS	7.6	10.2	8
C12	AA	6.7	6.5	6
C13	BR/XS	11.4	13.5	12
C10	AA	8.4	7.1	7
C19	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 m Ω	<250 mΩ	<40 mΩ		

Table 4

		Mating & unmating force						
		Mating [N]		Unmating [N]		Life		
		Min	Max	Min	Max	[# Cycle]		
C07	AAN/BRN/XSP	20	40	10	45	1K Cycles		
C07	BRW/XSW	20	40	18		10K Cycles		
613	AAN/BRN/XSP	20	40	10	4.5	1K Cycles		
C13	BRW/XSW	20	40	18	45	10K Cycles		
C10	AAN/BRN/XSP	25	45	20	50	1K Cycles		
C19	BRW/XSW	25	45	20	50	10K Cycles		

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



How To Order



ST1091 SNAPTAC			į.	į.			
1	2	3	4	5	6	7	8
1 Connector family							
2 Connector type		C Circular					
3 Number of ways		07 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 c	up D F	CB straight			
6 Housing polarizations		From C00 u	ιρ to C07				
7 Wiring diagram (1)		From CH01	up to CHn	n			
8 Base material & surface protection	ce	A A N Alluminium alloy (AV2024) - Nichel B R N Brass - Nickel B R W Brass - Black tungsten carbide X S P Stainless steel AlSI 316 - Passivated X S W Stainless steel AlSI 316 - Black tungsten carbide					

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

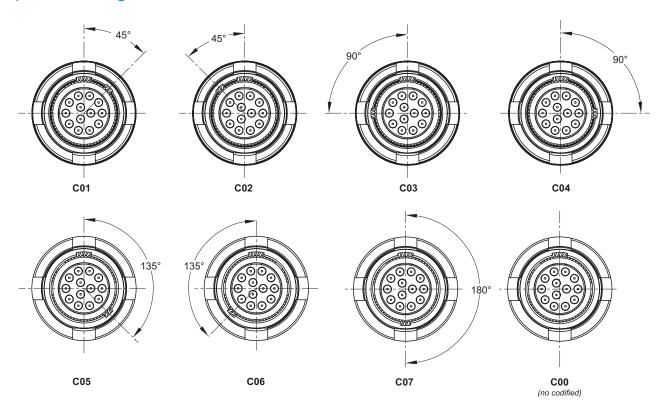
Notes:

- 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.

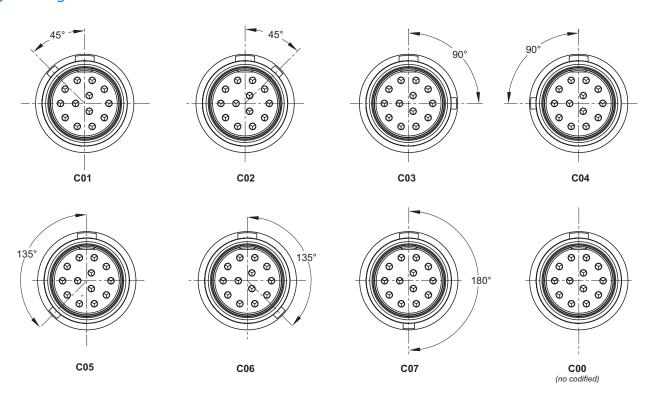


Available Polarizations

Receptacle Mating Side View

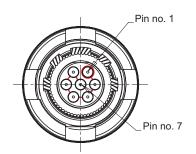


Plug Mating Side View

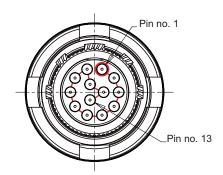


Contact Arrangement - View Mating Side

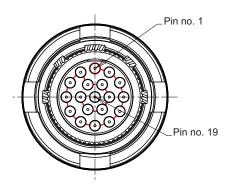
Receptacle CO7R



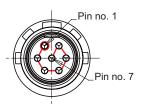
Receptacle C13R



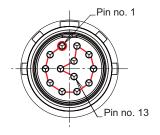
Receptacle C19R



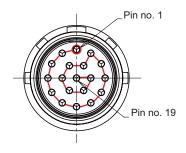
Plug CO7P



Plug C13P



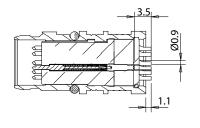
Plug C19P

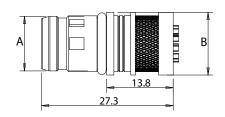


Plug

Plug - Solder Cup Termination

No. of ways	PN	Α	В
7	C07PSC	Ø 8.30	Ø 10.20
13	C13PSC	Ø 11.30	Ø 13.00
19	C19PSC	Ø 12.30	Ø 14.00

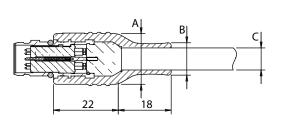


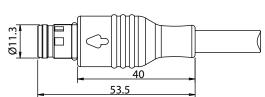




Plug - Solder Cup Termination with Overmoulding and Cabling

No. of ways	PN	Α	В	С	D
7	CO7PSCCH	Ø 14.50	Ø 9.50	Ø 6.00 max	Ø 8.30
13	C13PSCCH	Ø 17.20	Ø 11.00	Ø 7.50 max	Ø 11.30
19	C19PSCCH	Ø 18.20	Ø 12.00	Ø 8.50 max	Ø 12.30

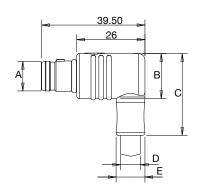






Plug - Solder Cup Termination with 90° Overmoulding and Cabling

No. of ways	PN	Α	В	С	D	E
7	CO7PSCCH	Ø 8.30	Ø 14.50	28.50	Ø 9.50	Ø 6.00 max
13	C13PSCCH	Ø 11.30	Ø 17.20	31.20	Ø 11.00	Ø 7.50 max
19	C19PSCCH	Ø 12.30	Ø 18.20	32.20	Ø 12.00	Ø 8.50 max





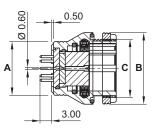


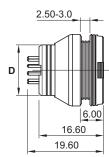
Receptacle

Receptacle - Straight Through Termination

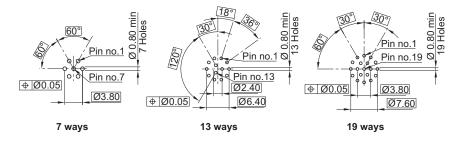


No. of ways	PN	Α	В	С	D
7	C07RDC	Ø 11.00	Ø 15.40	M12x0.75	10.00
13	C13RDC	Ø 13.80	Ø 18.40	M15x0.75	13.00
19	C19RDC	Ø 14.80	Ø 19.40	M16x0.75	14.00





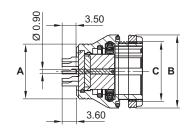
Mounting Pattern - Component Side

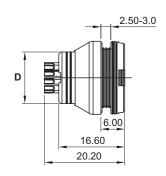


Receptacle - Solder Cup Termination

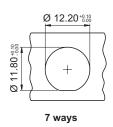
No. of ways	PN	Α	В	С	D
7	C07RSC	Ø 11.00	Ø 15.40	M12x0.75	10.00
13	C13RSC	Ø 13.80	Ø 18.40	M15x0.75	13.00
19	C19RSC	Ø 14.80	Ø 19.40	M16x0.75	14.00

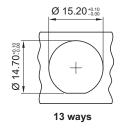


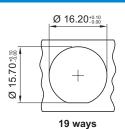




Panel Cut-out





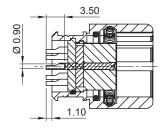


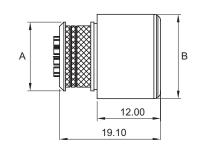
Note: panel thickness max 3 mm

Extender

Extender - Solder Cup Termination

No. of ways	PN	Α	В	
7	C07ESC	Ø 10.20	Ø 13.00	
13	C13ESC	Ø 13.00	Ø 16.00	
19	C19ESC	Ø 14.00	Ø 17.00	

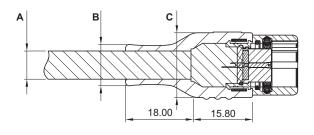


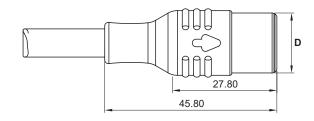




Extender with Overmoulding and Cabling

No. of ways	PN	Α	В	С	D
7	C07ESCCH	Ø 6.00 max	Ø 9.50	Ø 14.50	Ø 13.00
13	C13ESCCH	Ø 7.50 max	Ø 11.00	Ø 17.20	Ø 16.00
19	C19ESCCH	Ø 8.50 max	Ø 12.00	Ø 18.20	Ø 17.00







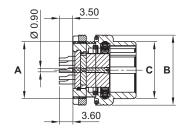


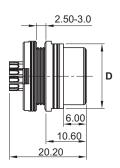
Receptacle

Front panel mounting with solder cup termination

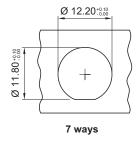
No. of ways	PN	Α	В	С	D
7	C07XSC	M12x0.75	Ø 15.40	Ø 12.00	14.00
13	C13XSC	M15x0.75	Ø 18.40	Ø 15.00	17.00
19	C19XSC	M16x0.75	Ø 19.40	Ø 16.00	18.00

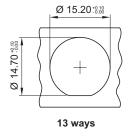


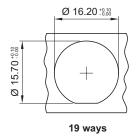




Panel Cut-out





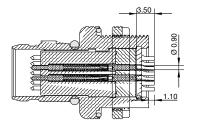


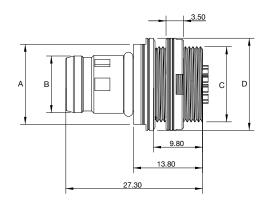
Note: panel thickness max 3 mm

Plug

Front panel mounting with solder cup termination

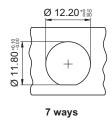
No. of ways	PN	Α	В	С	D
7	C07YSC	13.00	Ø8.3	M12x0.75	Ø15.40
13	C13YSC	16.00	Ø11.30	M15x0.75	Ø18.40
19	C19YSC	17.00	Ø12.30	M16x0.75	Ø19.40

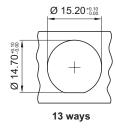


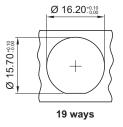




Panel Cut-out







Note: panel thickness max 3 mm

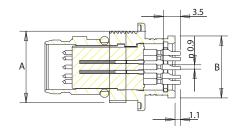


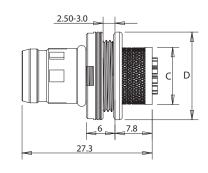
Plug

Rear Panel Mounting with Solder Cup Termination

No. of ways	PN	Α	В	С	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



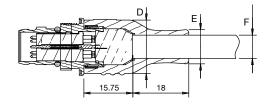


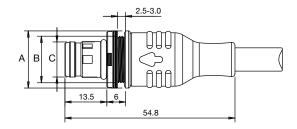


Rear Panel Mounting with Overmoulding and Cabling

No. of ways	PN	Α	В	С	D	E	F
7	C7ZSCCH	Ø15.40	M12x0.75	Ø8.30	Ø14.50	Ø9.50	Ø6.00 max
13	C13ZSCCH	Ø18.40	M15x0.75	Ø11.30	Ø17.20	Ø11.00	Ø7.50 max
19	C19ZSCCH	Ø19.40	M16x0.75	Ø12.30	Ø18.20	Ø12.00	Ø8.50 max

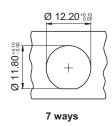


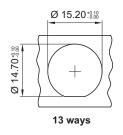


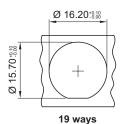


Note: for 7 and 19 ways connector details please contact our sales office.

Panel Cut-out



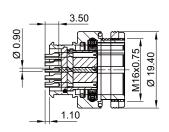


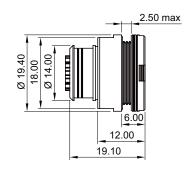


Note: panel thickness max 3 mm

Extender

Rear Panel Mounting with Solder Cup Termination

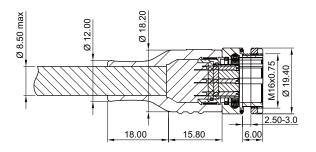


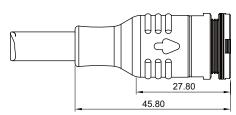




Ref. C19WSC----

Rear Panel Mounting with Overmoulding and Cabling

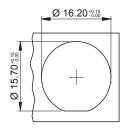






Ref. C19WSC--CH-----

Panel Cut-out



Note: panel thickness max 3 mm



How To Order



Accessories - Dust Cap

ST1091

SNAPTAC

1

7

6

1 Connector family	
2 Connector type	C Circular
3 Number of ways	07 13 19
4 Dust cap type	C P Dust cap for plug C R Dust cap for receptacle
5 Dust cap version	M E T Metallic cap R U B Rubber cap
6 Base material & surface protection	A A N Alluminium alloy (AV2024) - Nickel B R N Brass - Nichel 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 F P R Fluoro polymer rubber

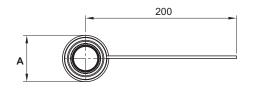
^{*} Only for MET

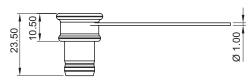
^{**} Only for RUB

Dust Cap

Metal Version for Receptacle





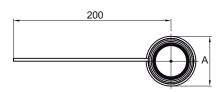




Metal Version for Plug

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

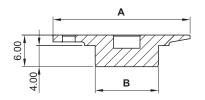


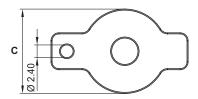




Rubber Version for Receptacle

No. of ways	PN	Α	В	С
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

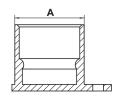


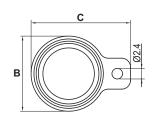




Rubber Version for Plug

No. of ways	PN	Α	В	С
7	C07CPRUBFPR	11.70	13.00	20.50
13	C13CPRUBFPR	14.70	16.50	22.25
19	C19CPRUBFPR	15.70	17.00	22.50



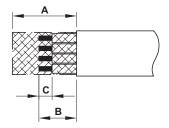




 $\textbf{Note} \colon \mathsf{contact} \ \mathsf{us} \ \mathsf{for} \ \mathsf{rubber} \ \mathsf{version} \ \mathsf{for} \ \mathsf{plug}$

Cable Preparation

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



	Plug (ref P)	Extender (ref E)
Α	17	13
В	10	10
C 3.5		3.5

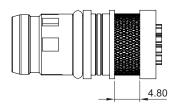
EMI/EMC Protection

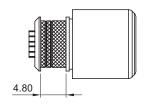
Plug (ref. P), extender in line (ref. E) and extender rear panel mounting (ref. W) of this specification are designed to be supplied with assembled cables. The electrical continuity between metal shell and cable shield is granted by a specific metallic coil spring for cable braid as showed in the picture.



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 VO per UL 94		
Interface Insulators	NBR Rubber per CEI 2019 Black VO per UL 94		
Overmoulded	Hot melt Polyamide 6.6		
Housing	(see table 1)		
Locking Hardware	Stainless Steel AlSI 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 m Ω 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	AA*	Zn/Co on Chemical Ni Black 5 µm	Chemicəl Ni Mətt Grey 20 µm	
ASTM-B-209		SAE AMS-C-26074 Class 1	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		12 21 30					
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 (lenght = 3.15 mm) L PCB straight (lenght = 14 mm)					
6 Housing polarization	ıs	From COO up to C16 (only for 12 & 21 ways) - (preferred polarizations CO1 - CO6 - C11 - C16)					
7 Wiring diagram ⁽¹⁾		From CH01 up to CHnn					
8 Base material & surreprotection	face	A A Z Alluminium alloy (AV2024) - Zinc cobalt A A N Alluminium alloy (AV2024) - Nichel					

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

Notes:

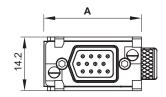
- 1 Connectors identification does not require empty space (eg: R12PSC01AAZ)
- 2 Harnessing identification does not require empty space (eg: R12PSC01CH01AAZ)
- 3 Harnessing is applicable only to connectors type P
- 4 Straight termination contacts are applicable only to R&Y

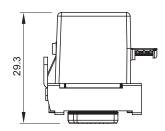
Plug

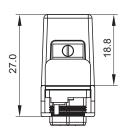
Plug - Solder Cup Termination



No. of ways	PN	Α	
12	R12PSC	25.8	
21	R21PSC	32.4	



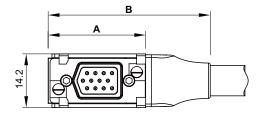


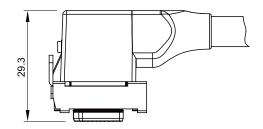


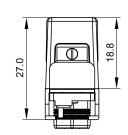
Plug with Overmoulding and Cabling



No. of ways	PN	Α	В
12	R12PSCCH	25.8	42,9
21	R21PSCCH	32.4	49.6

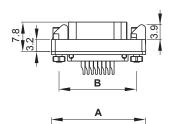






Receptacle

Receptacle - Solder Cup Termination

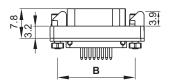




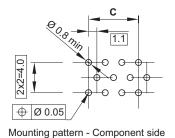
No. of ways	PN	Α	В
12	R12RSC	24.9	20.5
21	R21RSC	31.5	27.1



Receptacle - Straight Through Termination









	A
14.0	

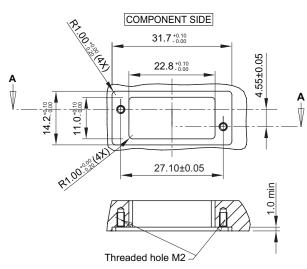
No. of ways	PN	Α	В	С	D
12	R12RDC R12RLC	24.9	20.5	6.6	3.15 14
21	R21RDC R21RLC	31.5	27.1	13.2	3.15 14

Panel Cut-out

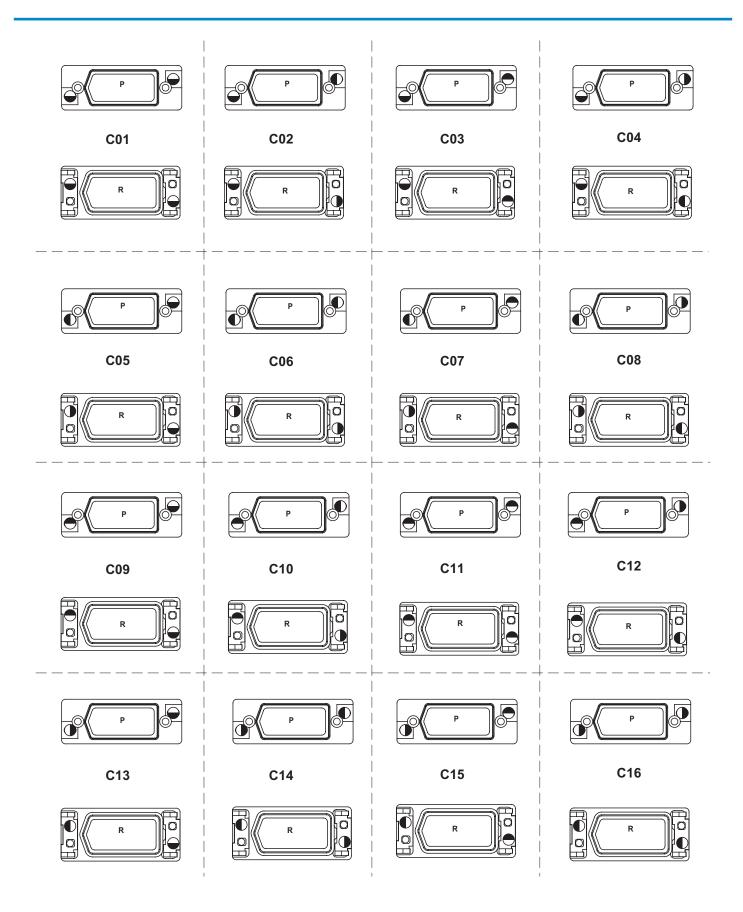
12 Ways COMPONENT SIDE 25.1.*0.10 16.2.*0.10 20.50±0.05

Threaded hole M2-

21 Ways

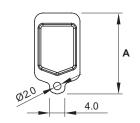


Available Polarizations for 12 and 21 Ways

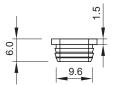


Dust Cap

Accessories







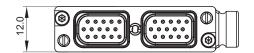


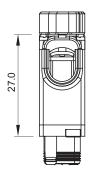
No. of ways	PN	Α	В
12	23841	21.4	13.2
21	23840	28	19.8

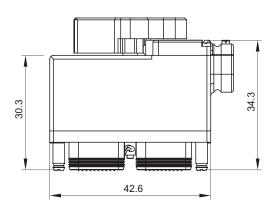
30 Ways Plug

30 Ways plug - Solder Cup Termination



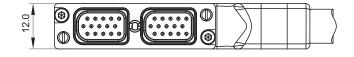


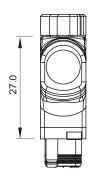


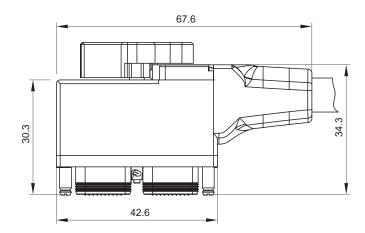


30 Ways Plug with Overmoulding and Cabling

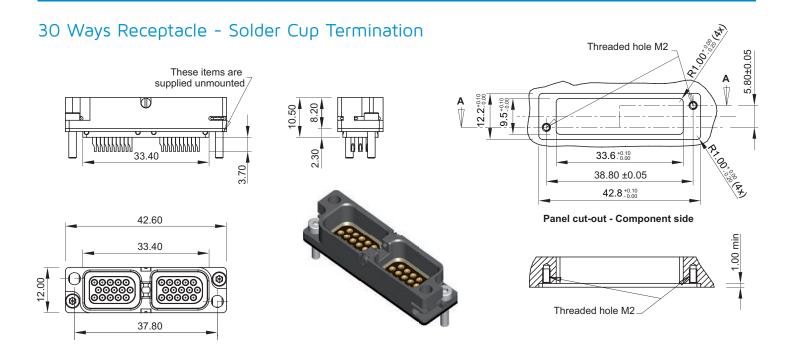




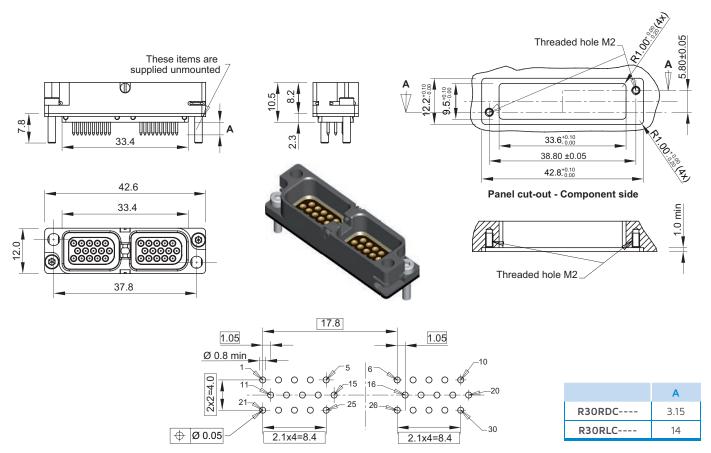




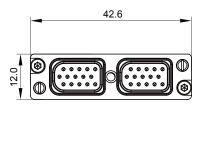
30 Ways Receptacle



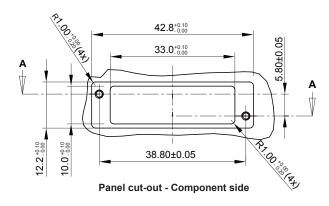
30 Ways Receptacle - Straight Through Termination

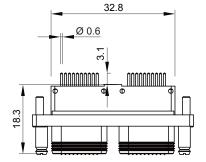


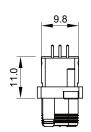
30 Ways Plug - Front Panel Mount

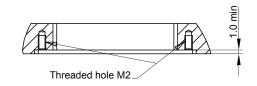


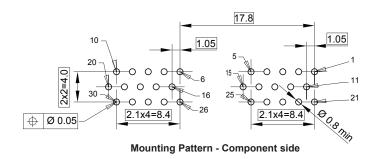












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UK Headquarters

London, UK+44 20 7004 1600info.uk@smithsinterconnect.com

US Headquarters

Stuart, FL +1 772 286 9300 info.us@smithsinterconnect.com

Americas

- Costa Mesa, CA+1 714 371 1100info.us@smithsinterconnect.com
- Milpitas, CA
 +1 408 957 9607 x 1125
 info.us@smithsinterconnect.com
- Stuart, FL+1 772 286 9300info.us@smithsinterconnect.com
- Hudson, MA
 +1 978 568 0451
 info.us@smithsinterconnect.com
- Northampton, MA
 +1 413 582 9620
 info.northampton@smithsinterconnectinc.com
- Tampa, FL+1 813 901 7200info.tampa@smithsinterconnectinc.com
- Kansas City, KS
 +1 913 342 5544
 info.us@smithsinterconnect.com
- Salisbury, MD+1 800 780 2169info.us@smithsinterconnect.com
- Thousand Oaks, CA
 +1 805 267 0100
 info.thousandoaks@smithsinterconnectinc.com

Europe

- Deggendorf, Germany +49 991 250 120 info.de@smithsinterconnect.com
- Genoa, Italy+39 0 10 60361info.it@smithsinterconnect.com
- Dundee, UK+44 1382 427 200info.dundee@smithsinterconnect.com
- Rouen, France+33 2 32 96 91 76info.fr@smithsinterconnect.com
- Elstree, UK+44 20 8236 2400info.uk@smithsinterconnect.com

Asia

- Shanghai, China+86 21 2283 8008info.asia@smithsinterconnect.com
- Suzhou, China +86 512 6273 1188 info.asia@smithsinterconnect.com
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