



NEW C55 CIRCULAR CONNECTORS

Hypertac's 55 way circular connector (C55) design meets the specific requirements of the Software Defined Radio (SDR), correlated to the Future Combat System.

The SD Radio is a scalable, compact SDR 4-channel system used for land/tactical vehicle mobile communications, which provides point-to-point, point-to-multipoint and mobile network capability. Compact and lightweight, the C55 connectors is in compliance with the military requirements in terms of size, modularity and corrosion resistance.

It also offers additional hardware coding options to avoid mismatching in equipment with several connectors, ensuring the mating and unmating process in field operations is both simple and quick.

Equipped with 0.5 mm Hypertac hyperboloid contact, the C55 offers IP 68 sealing and a current rating of 2A at 25°C. The connector's plug is supplied with solder cup termination, cabling and overmoulding, whilst the receptacle is straight through.

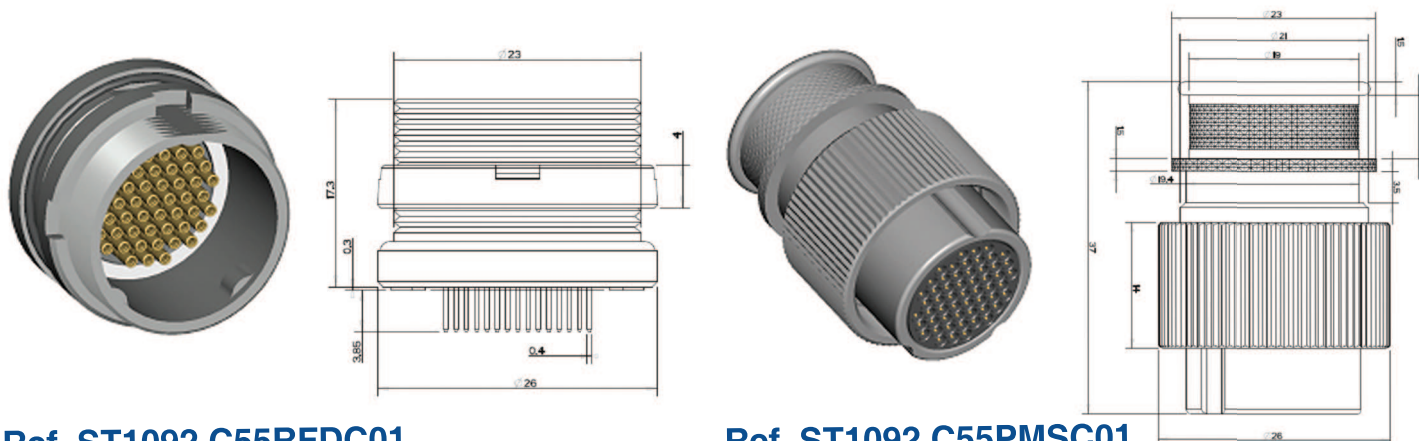
The normal configuration has sockets inside the receptacle but "reverse gender" connection is available on request. This connector is designed for a fully automated assembly with MAS robotic machines and can also be used in Mil-Aero and Civil avionics interface applications.



Technical Characteristics

Contact number	55
Receptacle contact termination	Solder Cup, Straight PCB
Plug contact termination	Solder Cup
AWG Contact	26
Cable Diameter Range	Max 20 mm
Contact Dia	0.50 mm
Current Rating	2 A
Contact Resistance	<5 mΩ
Insulator	PPS type GST-40F per MIL-M-245719 V0 per UL 94
Connector Body	Stainless steel AISI 303 as per ASTM-582

Receptacle and plug configurations



Ref. ST1092 C55RFDC01

Ref. ST1092 C55PMSC01

Other available configurations



Reverse gender connectors



**Solder cup
termination receptacle**



Extender



**Cable harnessing
with heat shrinkable boot**

FOR FURTHER INFORMATION VISIT www.hypertac.com

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