

SOURIAU

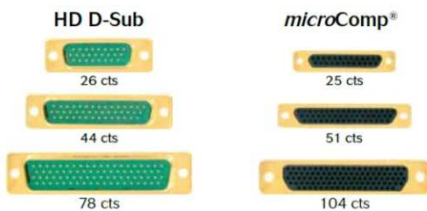
SOURIAU designs, manufactures and markets **high performance - high reliability interconnect solutions** for severe environments dedicated to the Aerospace, Defense / Space, Heavy Industry (Railway & Mass Transit, Nuclear, Oil & Gas) and Industrial Equipment markets. SOURIAU has a worldwide presence with R & D centers and production sites in Europe, USA, Japan and India.

From 1988 SOURIAU has been supplying a whole range of space interconnection products qualified by ESA according to **ESA/SCC 3401**, fitted with a full range of qualified accessories (savers, lightweight backshells, locking systems...), as well as GSFC and MIDTL 38999 class G qualified products.

microComp® Series – Miniature High Density

ESCC 3401 / 081 – 082 - 083 - 084

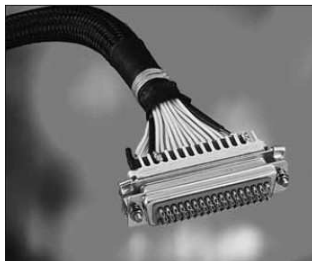
To respond to miniaturization and weight saving trends in space applications SOURIAU has developed, at the request of the European Space Agency (ESA) an innovative high density connector range: **microComp®** is the alternative to High Density D-Sub.



- Shell in composite: **Save up to 65% in weight** compared to HD D-Sub
- High density: **save more than 40% in size** compared to HD D-Sub
- High vibration and shock withstanding
- **Low mating/unmating force**
- Better protection of the contacts



Removable crimp contacts ease harnesses repair



Non-magnetic D-Sub Connectors

ESCC 3401 / 001 – 002 – 005 – 020 – 021 - 072

- Standard / **High Density**
- Non removable contacts / **Removable crimp contacts**
- Complete range of accessories

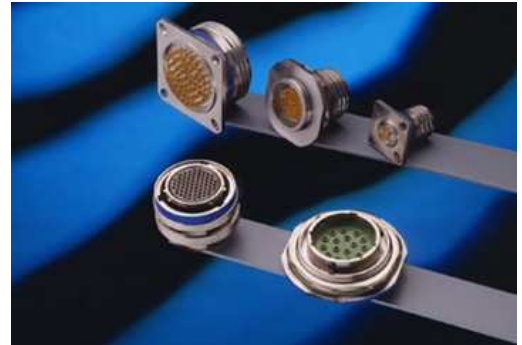
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MIL-DTL 38999 Space Grade Circular Connectors

ESCC 3401 / 044 – 045 – 052 – 056 – 057 – 058 – 062 – 066 - 070

3 ESA qualified lines:

- **Series I** : bayonet locking «scoop-proof» shell
- **Series II** : bayonet locking «low-profile» shell «non scoop-proof»
- **Series III** : screw-type locking «scoop-proof» shell



Souriau also provide qualified **Hermetic receptacles and feedthroughs**, according to ESCC 3401/057.

The layouts of our circular connectors come from MIL-DTL 38999, and can be fitted with a wide range of electrical contact sizes, **from # 22 to # 4**.

Crimp removable contacts are also available on this range.

Other SOURIAU Space Products



8977 Robotics and Extra Vehicular Activity, with compliance mechanism and Low Insertion Force contacts
 → *umbilical separation connectors for **Exomars 2016** mission*
 → *intermodule separation on **BepiColombo** mission*
 → *separable **harnesses** for **Cassini-Huygens** mission*
 → *aboard the **ISS** on the **Japan Experimental Module***



8976 Robotics and Extra Vehicular Activity, with compliance mechanism and Low Insertion Force contacts
 → *used on the **SSRMS (Space Station Remote Manipulator System)**, Canadian contribution to **ISS***
 → *used on the **Space Shuttle Atlantis***

8976 Maxi-D version: Astronaut operable connectors
 → *aboard the **ISS** on the **Columbus Orbital Facility***



Customized Products & Interconnect Systems,
 Launcher Electric umbilicals, Pneumatic umbilicals,
 Cryogenic feedthroughs, Quick Disconnect connectors, Dead Face connectors

→ *aboard **European and export launchers***



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