

Comtronic Product Overview

Connectors are our passion - Comtronic speaks connector. We have the experience for your connector solution.

Since 1968 Comtronic is a reliable partner for electromechanical components. Originally founded as a distribution company. In 2000 the manufacturing of connectors was established. Use this experience of 50 years.

All production steps are realized in house.
From development to prototyping, their qualification to serial production.

Comtronic has its own

Automatic lathes, High precision milling machines
 Mold making, injection molding
 Assembly shops for cables and connectors
 Clean room class 5000
 ISO 9001

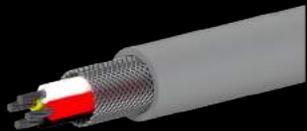
We realize highest demands like

pressure tight up to 250 bar
 working temperatures up to 360 °C
 Withstanding mechanical stress up to 25.000g
 Hermetically tightness up to 10E-9
 Outstanding EMC shielding

MicroCom



Cable assemblies



Micro-D



Custom solutions



Backshells



Military components



MicroCom

Comtronic offers 3 different versions from Series MicroCom.

These connectors shows highest reliability at very small sizes and an outstanding EMC shielding.

The series **CMR** is often used in the sensors industry, in Dummy's or Crash test walls. Due to the large number of variants you will always find the right solution for your application.

The series **CMRM** is based on the well known Serie CMR, just even smaller.

Now available as PCB connector with transmission speed of 1GHz.

The series **CMRH** is developed for application in harsh environment. Wire sizes up to AWG22, but still as small as possible.

Custom specific solutions designed for your application are available in **short time** and **small quantities**.

Diameter 5,0 - 18mm, 2- to 12-position, Solder-/ Crimpermination, PCB Mounting, 2500 mating cycles, -55°C up to 250°C

CMR Series

Circular connector goldplated
Coaxial with 10/32 thread for different RG cable sizes
2,3,4,7 and 12-way, up to 20 way on request
IP 50 and IP 67
guiding key
Lots of different shell variants
Diameter 7,5 mm
Shielding crimped
Wire size up to AWG28
NEW AWG 22 in 3-position
Cable up to 4,2 mm overall diameter



CMRM Series

Miniaturisation of the Series CMR
Diameter 5,4 mm
Wire size up to AWG 32
Cable up to 2,7 mm overall diameter
Shielding crimped
Max. current 3 Amp



CMRH Series

Circular connector gold plated
2,3,4-way
IP 50 and IP 67
Guiding key
Diameter 7,5 mm
Shielding crimped
Wire size AWG 22 to 26
Cable up to 5,5 mm overall diameter
Max. current 5 Amp



Micro-D

Comtronic is manufacturing Micro-D connectors acc. MIL-DTL-83513 since the year 2000.

We are focused on custom specific solutions. Even on small quantities. These connectors are well known for their **highest Reliability**, at high mechanical impact like shock and vibration.

The serie **CMK** has a huge field of use. Small sizes and high density contacts makes it possible to transmit a big amount of signals at less need of space.

Lots of variants of housings, termination possibilities and surfaces allows us to assist our customer during their development.

The series **CMD** is based on the approved series CMK. Its profile is lower than the CMK and usually made of plastic.

custom specific solutions even on small quantities, 9- to 100- position, huge amount of variants, hermetically sealed EMC tight, -55°C up to 250°C

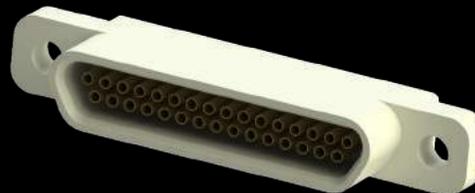
CMK Series

- Rectangular connector
- 9- to 100 way
- IP 67 available
- hermetically sealed
- Individual encoding possible
- Big variety of housings
- Pig tails from AWG22 to AWG 30
- Current 3 Amp



CMD Series

- Miniaturization of Series CMK
- Profile just 7,4 mm
- Backshell in the same profile than connector just 7,4 mm
- Flexible Shielding for individual cable diameters



Custom solutions based on Micro-D

- 72-way with encoding in 51-way housing
- Connector housing made of KOVAR
- Stainless steel with EMC Shielding, pressure tight and temperature resistant up to 250°C
- IP 67 with conductive sealing
- Huge load up to 25.000 g's



Micro-D Backshell

The Micro-D series CMD M1 is the narrow style of MIL-DTL-83513 connectors.

BS Serie acc. ESCC 3401/087

BSM Serie

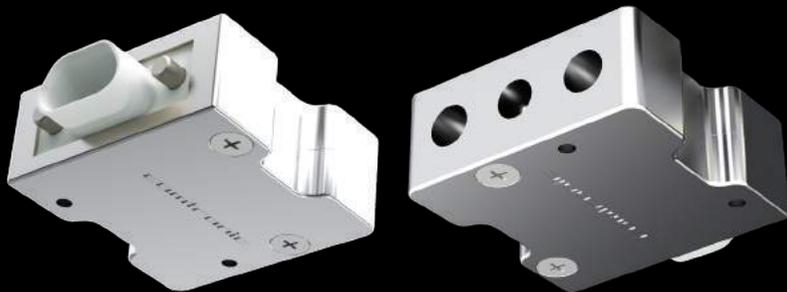
Its flange is just 5.3 mm high. With the correspondending **Backshell** with the same profile of just 5.3 mm you will reach a reduction of space, volume and weight of **30%**. Comtronics **Backshells** has an outstanding **EMC tightness**.

We are glad to provide a **custom specific backshell** for your application also in **smaller quantities**.

9- to 100-position, huge amount of variants, EMC tight

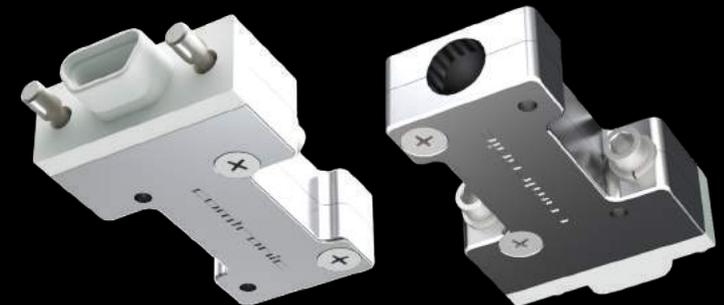
BS Series

Standard for all Micro-D acc. MIL-DTL-83513
9- to 100- position
EMC tight
Cable diameter up to 5.5 mm overall diameter
Cable entry straight, 45 ° or 90 ° angled



BSM Series

Narrow profile
Cable entry up to 5 mm overall diameter
Cable entry straight, 45 ° or 90 ° angled



Cable assemblies

Comtronic is very well equipped for the assembly of high-grade harnesses.

Our different molding technologies like **Hot melt**, **2-part Epoxy molding** and **Injection molding** makes it possible to provide the most economical solution for your application.

We use only high precision machines from Schleuniger especially for small wire sizes. A wide range of crimp tooling for machined and stamped contacts assure **high flexibility** and **quick reaction**. Electrical measurement equipment on each workstation for midterm testing and final testing with documentation assure our high quality standard.

Comtronics own test standard is 100% electrical testing. This can be extended on your requirements.

Cable assemblies



Custom specific solutions

Comtronic provides innovation capability and a big experience to find a solution for your specific high demand application.

Your demand for highest mechanical reliability, high temperatures, or extremely miniaturisation will be provided by Comtronic. Based on existing components like Twist Pin contacts or housings we realize your needs even in small quantities.

Our own mechanical equipment like lathes, milling machines and injection molding enables us to realize your demand in short time period and all quantities.

Backplane with 160 position in NAFI Technologie, IP 6,7,,Blind mating", complete assembly including PCB

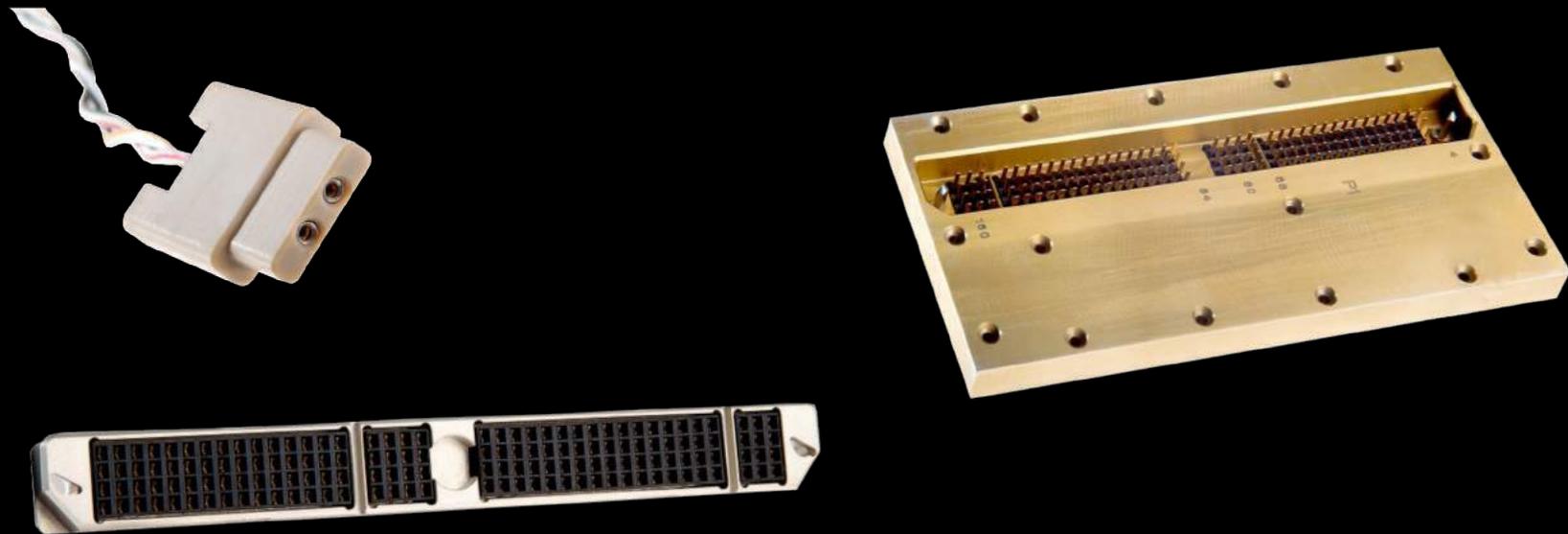
Connectors for Launcher, MIL qualified QPL listed

NANO Coaxialconnector, Overall diameter 1,2 mm, For Pico-Koaxial cable 0,8 mm Diameter, Hermetically tight

Qualified for Aircraft applications

Turned parts 20 mm to 0,3 mm Diameter, Complex outlines possible, Different materials and surfaces

Custom specific solutions



Military Connectors

Comtronic has the experience of more than 40 years in the procurement of QPL components.

Our **Archives** includes **Standards** of the last **50 Years**. This makes it possible to define equivalents or find the original parts.

Like circular connectors acc. **MIL 38999, MIL 5015, VG 26482** aso. or Rectangular connectors acc. **MIL 55203, MIL 24308, MIL 83513** we will find it.

Manufacturers like **Bendix, Thorn, Continental Connectors, Souriau, Amphenol, Malco** are parts of our sales variety.

Military Connectors



Contact Us

Use our experience for your procurement especially in discontinued components , long delivery times , components according to standard designation and special requirements .

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