Welcome
Comtronic GmbH

2000 Founded
2001 Starts own Micro-D production
2002 Starts the production of MicroCom series

22 employees
450 sq.m

Ultra miniature high reliable

Dimensions in mm
EEE - Components

- **Temperature strength**
  - -55°C up to 250°C (hermetic sealed up to 360°C)

- **Mechanical stress**
  - Vibration acc. to Mil Std. 810, method 214 test condition B (15g´s).
  - No discontinuity in excess of 1 microsecond.
  - Shock acc. to Mil Std. 810, method 516.6, 200g´s. No evidence of damage.

- **Electrical Per MIL-C-22557**
  - Rated working voltage: 400V (sea level)
  - Dielectric withstand: 1,000 V (sea level)
  - Contact current rating: 3 amp / 4 amp

- **Cost-effective**
  - Simple to assemble with a minimum of loose parts
  - Assembled simply and rapidly, economical self assembly

- **Radiation resistant**
  - Outstanding EMC shielding, Materials of:
    - Housing: Brass per QQ-B-626.
    - Insulator: PEEK per MIL-P-46183 type "I".
    - Contacts: Copper alloy (CuZn38Pb2-R410) / (CuZn36Pb3).
    - Plating: Gold per MIL-G-45204 type "II", class "I". 1,27µ over 3µ Nickel
Shell plug style

- B: Cable connector, standard nut
- G: Cable connector, 90° offset, hexagon nut

Shell receptacle style

- E: Solder mount
- C: PCB mounting
- B: Cable connector

Style for assembly with def. tightening torque

- BS: Cable connector, hexagon nut
- GS: Cable connector, 90° offset, hexagon nut
The Jupiter Icy Moons Explorer (JUICE) is a mission chosen in the framework of the Cosmic Vision 2015-2025 programme of the Science and Robotic Exploration Directorate of the European Space Agency.

The Submillimetre Wave Instrument (SWI) is a spectrometer/radiometer instrument operating in two submillimetre channels around 530 and 255 $\mu$m. The SWI measures spectra and continuum emissions in two bands between 530 – 625 and 1080 – 1275 GHz.

The SWI will be the first instrument using the circular CMRM/CMR connectors for biasing the 1200 GHz and 600 GHz heterodyne receivers components.

- **Requirements for the SWI Receiver Unit (RU)**
  - Gamma 5-100 Mrad
  - Size and weight
  - Reliability

- **Others**
  TerraSAR Tandem, Galileo, Orion
Thank you for your attention

Do you know our Micro-D Connectors?

- ITAR free
- Acc. to ESCC in process
- Acc. to MIL-DTL-83513

Contact:

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