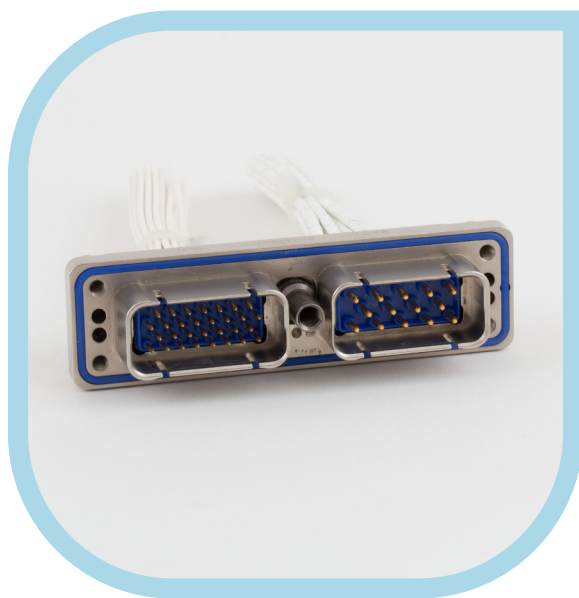


EPXB2 Bulkhead receptacle

Exceeding environmental limits

Radiall's EPXB2 Bulkhead receptacle is a perfect solution for disconnect panel sealing applications. Combining EPX™ proven technology with bulkhead functionality, EPXB2 Bulkhead modular connectors provide effective panel sealing with a user friendly and cost saving approach.



Radiall expands the EPX™ series by offering the EPXB2 Bulkhead receptacle, which provides permanent sealing between two zones with different environmental conditions.

EPXB2 Bulkhead receptacle offers the same modularity as the EPX™ series. This new bulkhead receptacle is fully intermateable with EPXB2 composite and aluminum plugs and uses the same broad range of contacts and accessories. Featuring a large range of bulkhead inserts and modular design, the EPXB2 Bulkhead can optimize density and provides a very competitive solution.

Radiall's expertise enabled the development of the EPXB2 Bulkhead connector, which is designed to help save time in workshops. Front release/rear removable inserts will facilitate maintenance and the use of EPX™ standard crimp and PC tail contacts will help reduce time to terminate connectors.

Qualified according to EN4644, EPXB2 Bulkhead is an extension of the EPXB2 shell and insert design. The use of the proven technology makes the integration of EPXB2 bulkhead in the aircraft BOM easy and economical.



Radiall's EPXB2 Bulkhead disconnect connectors are a perfect solution for aerospace OEMs requiring high sealing solution between pressurized and non-pressurized areas.

Exceeding environmental limits



EPXB2 Bulkhead uses EPX™ technology with additional features to provide sealing:

- Flange and o-ring on the shell to ensure panel sealing
- External lips on the insert to improve sealing between the shell and the insert
- Bulkhead jacknut to ensure sealing in the locking device

EPX™ Bulkhead inserts cover all contact technologies including signal, power, quadrax and fiber optics.

EPXB2 Bulkhead receptacle is qualified according to EN4644 and offers:

- Higher altitude immersion: 55,000 feet (environmental EPXB inserts qualified at 50,000 feet)
- Air leakage: $4.4 \times 10^{-3} \text{ cm}^3/\text{s}$ ($=16 \times 10^{-6} \text{ m}^3/\text{h}$) (Tested according to EN2591-312, method B)

Features & Benefits

- Modular design
- Competitive offer
- Optimized design
- Time saving solution
- Mature design
- Easy and economic integration in the BOM

Applications

- Aircraft and equipment manufacturers
- Disconnect applications
- Cable-to-cable connection
- PCB-to-cable connection