

PCB

Wire

Fluid

Signal

Triaxial

Optical

Coaxial

Twinaxial

Flex circuit

High power

High voltage

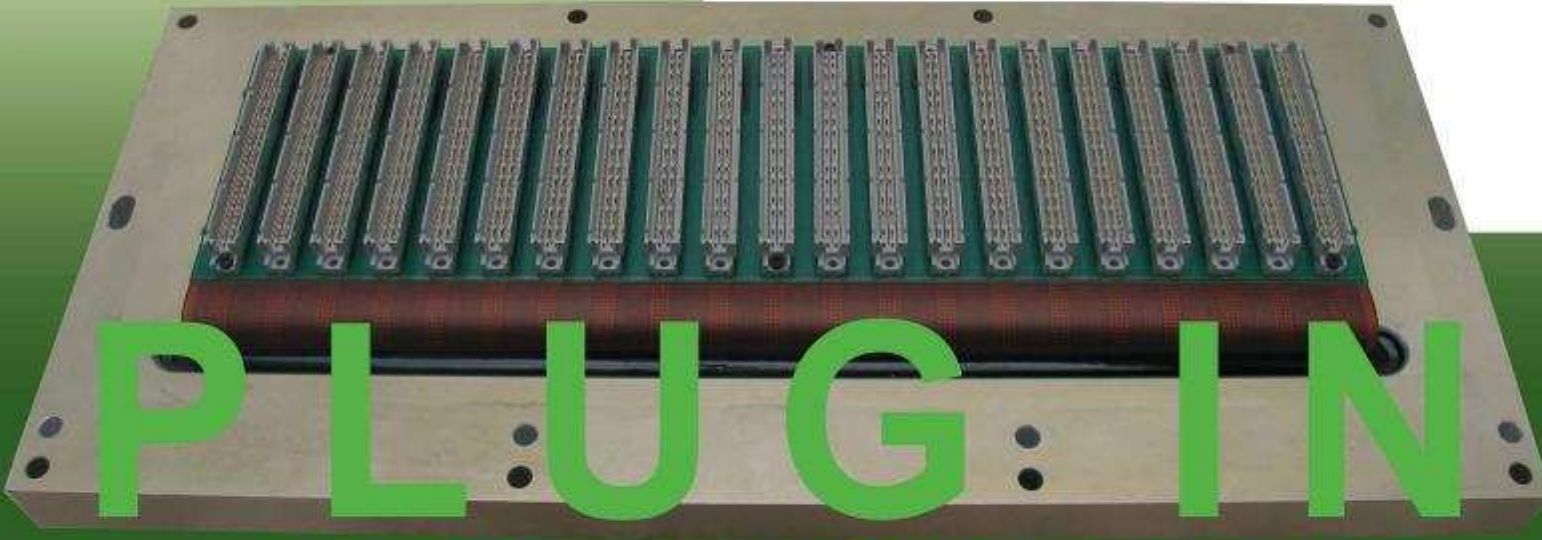
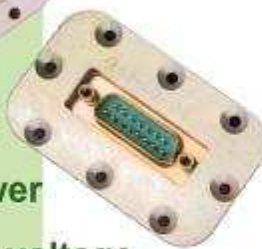
Thermocouple

Very high frequency

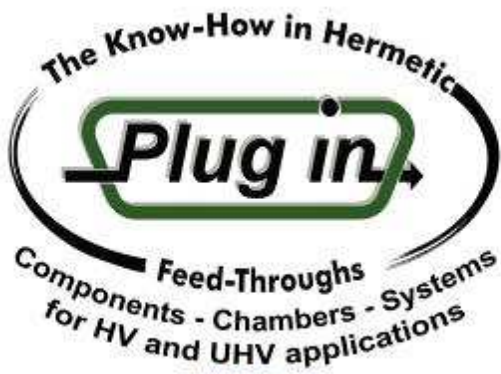
High torque mechanical

Feedthroughs by Plug In,

an expanding universe...



**PLUG IN**  
**VACUUM TECHNOLOGIES**



High voltage 100kV pulsed 1 ns  
Ceramic feedthrough



Invar satellite cover  
Equipped with  
4x D-SUB 50 glass sealed



Titanium/Titanium  
glass sealed D-SUB 15  
non magnetic feedthrough



ERVAC® modular Feedthrough  
available with following connector types

D-SUB normal density, D-SUB high density, Mixed layout D-SUB, Micro-D, Thermocouples, BNC, BNO, TNC, SHV, MHV, SMA, SMB, SMC, PC3.5, N, K, RJ45, USB and Reynolds High voltage.



Custom Flange equipped with  
4 x 14kV Reynolds  
2 x BNC  
4 x Circular connector  
2 x 16 contact HE10 connector



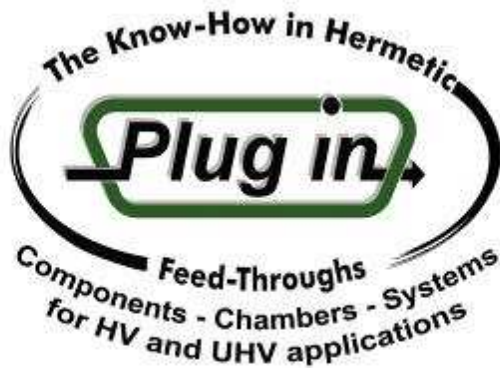
CF63 equipped  
with a PCB insert



ISO K DN100 Equipped with  
4 x 14kV Reynolds  
4 x 3.5kV SHV  
1 ERVAC50M/F-I-ND



**KF16 Flange equipped with  
3 x thermocouple wires  
and thermcouple connectors**



**CF160 Flange  
equipped with  
4 x 50 signal wired D-SUB connectors**



**ISO K DN250 flange  
equipped with 3 x ERVAC  
1 x KF25 Wire signal feedthrough  
1 x KF40 Wire signal feedthrough**



**Special flange equipes  
with 2 optical and  
6 SMA Feedthroughs**

**CF40 Flange equipped with  
3 x Triaxial wired connectors**



**Hermetic adapter  
Vacuum side Circular  
to Air side BNC**



**ISO K DN160 flange  
equipped with  
2 x Circular connectors**

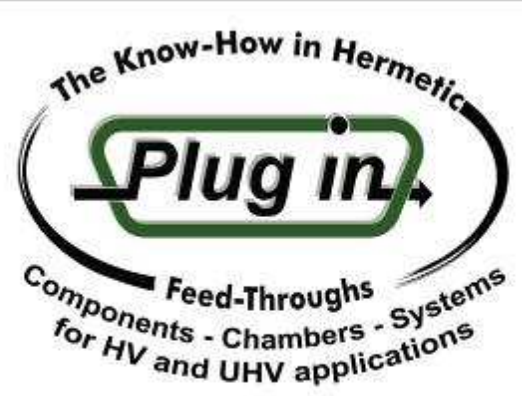
**ISO K DN100 flange  
equipped with  
2 x 7kV on ERVAC  
4 x SHV feedthrough**



**Special flange  
equipped with 3 x BNC ERVAC  
2x D-SUB ERVAC  
1 x KF25 Circular feedthrough  
1 x KF40 Wired USB feedthrough**



**ISO K DN500 Flange equipped with  
11 x 4x50D-SUB wired feedthroughs  
2200 signals**



**Special flange equipped with  
impedance controlled flex circuit  
and 3 SMA feedthrough**

**Special flange equipped with  
3 Full plastic power feedthroughs  
and 2 MODUL-R**



**ISO F DN500 Flange equipped with  
signal and power  
ERVAC Modules**

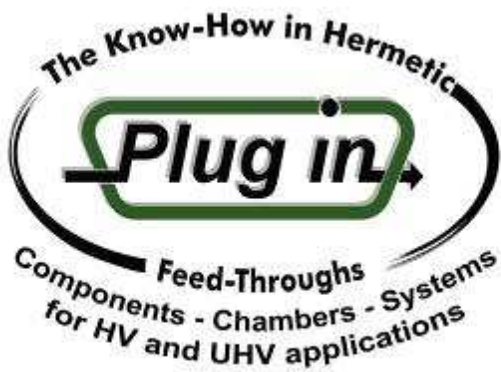


**Special feedthrough  
2x µD 51 connector**

**Special  
µD connector  
feedthroughs**

**CF350 Flange equipped with  
6x µD 120 connector feedthrough**





## **MODUL-R hermetic feedthrough range The unique of its kind for Mil-C-38999 and Mil-C-26482 connectors**

With the MODUL-R range, Plug In offers an extensive array of hermetic connector feedthroughs and the ability to deliver standard or custom designed solutions to meet the highest requirements.

**EMI Shielding** - solid metal to metal coupling, grounding fingers, electroless nickel plating, and thicker wall sections provide superior EMI shielding capability of 65dB minimum at 10 GHz.

**Contact Protection** - recessed pins in this 100% scoop-proof connector minimize potential contact damage

**Moisture Resistance** - improved interfacial seal design helps prevent electrolytic erosion of contacts

**Lockwiring Eliminated** - unique, self-locking, quick coupling connector eliminates lockwiring

**Quick Coupling** - completely mates and self-locks in a 360° turn of the coupling nut

**18 Shell sizes**

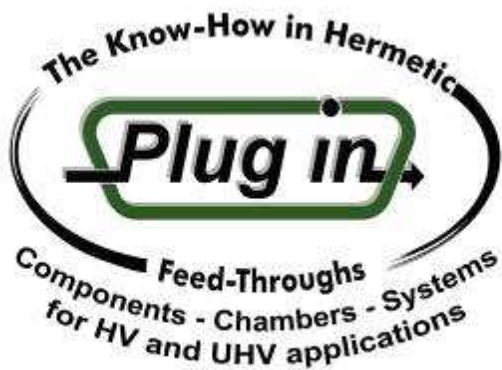
**Nearly 100 different contact arrangements**

**1 to 128 contacts**

**5 contact sizes from 22 to 8**



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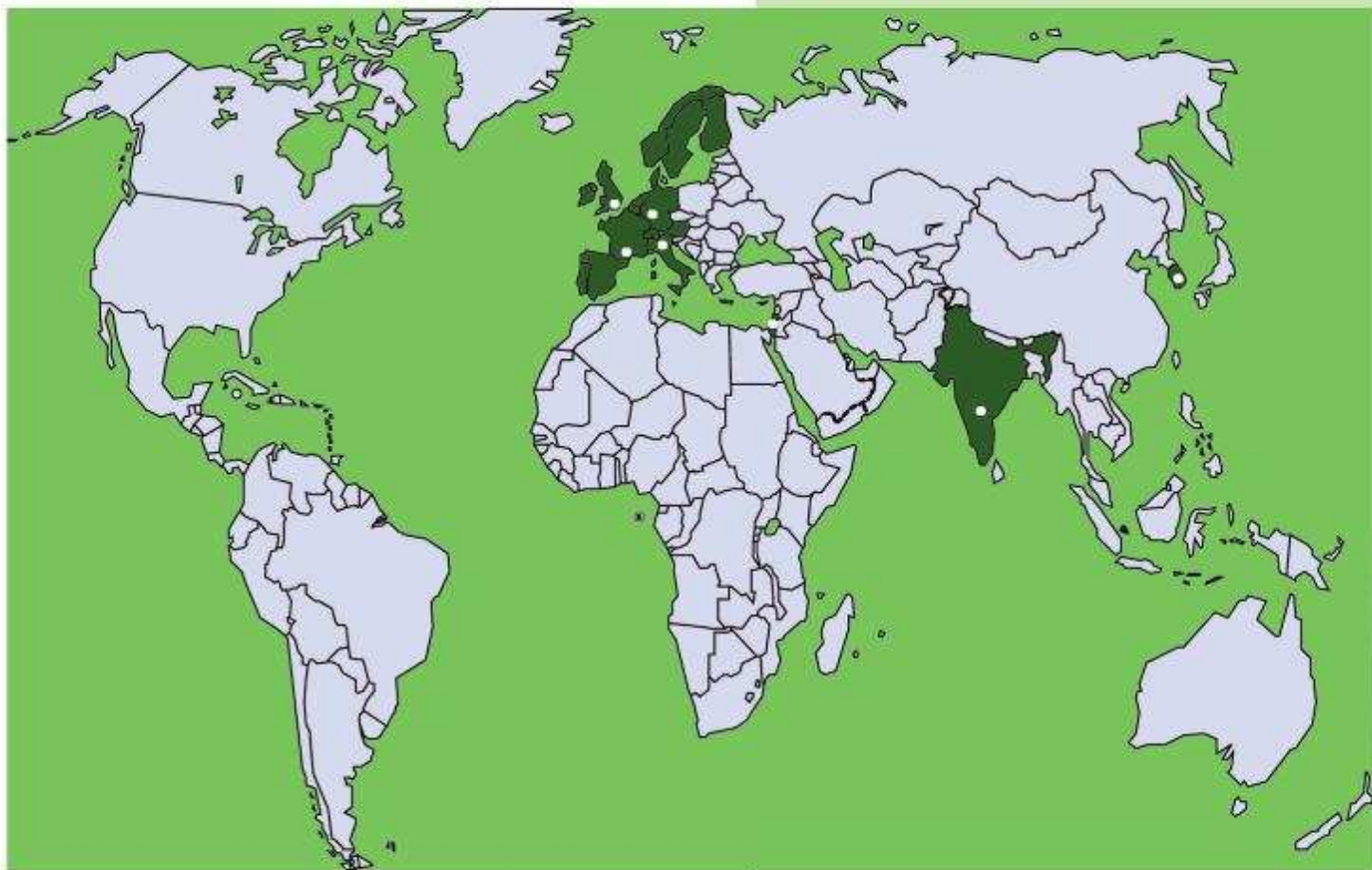
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