

Advanced Interconnect Solution for the Modern Soldier

SOURIAU JDX Breakaway

**Robust
to withstand
the Harshest
Environments**



- Targeted to the harshest environment applications, SOURIAU JDX is a breakaway version of our standard push-pull circular connectors. Packaging our proven high vibration, high cycle contact system from our push-pull product family within a ruggedized one piece brass or light weight aluminum shell, the JDX product series offers a unique breakaway coupler in three shell sizes across nine shell styles, including panel mount, cable plug in-line versions.
- JDX is a preferred interconnect choice for many military communication devices, helmet systems, and battery power sources.



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SOURIAU

www.push-pull-connector.com

SOURIAU JDX Breakaway

Features

Emergency Release
Breakaway Coupler

Brass or Light Weight
Aluminum Shell Material

Secure Blind Mate

Operating Temp C -40°C - +125°C

Sleek Custom Integral Overmold
Plug and In Line Receptacle

IP68 Mated and Unmated

Ultra Clean Design

9 Shell Styles & 3 Sizes



RoHS Non Reflective
Black Plating

360° EMI Shielding

High Density 2-19 Position
Gigabit Ethernet and
USB 2.0 Layouts

Lifetime > 2500 Cycles

Benefits

- Connector designed to disengage at axial specific pull forces
Eliminates damage to connector
- Every ounce is critical with on-body applications like helmet or portable communication devices
- Shells have mechanical keying; overmold plug designed with integral ergonomic thumb grip for night and blind mate situations; no mis-alignment or cross mating
- Applicable for the Harshest Environments
- Attractive Strain Relief relieves cable stress, ensures the integrity of the seal and offers tamper proof connector protection
- Extreme Water and Dust Protection through any terrain, location or geographic limitations
EXTREMELY RUGGED
- No coil spring to get clogged with debris
- Custom fit for virtually any application: panel mount, in-line and cable mount
- Stealth, low luster protection for military applications w/ Salt Spray Resistance while complying with hazardous substance restrictions
- Provides reliable data transmission
- Wide range of solutions from power to signal; 28 Layouts with power ranging from 2-30 AMPs; 2-19 Positions with Termination in Solder, PCB Straight and PCB Right Angle; Suitable for Power Supplies, LAN Switches, Routers, and all Communication devices
- Solid Rugged Connector – up to 5 times longer than the MIL standard for threaded or bayonet couplers
Extended Connector Life

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Material Specifications

Shell	■	Brass / Aluminum
Socket Contact	■	Cupro-Nickel
Pin Contact	■	Brass
Clip	■	Beryllium Copper
Nut	■	Brass / Aluminum
Shielding Ring	■	Copper Alloy
Contact Plating	■	Gold
Insulator	■	PEEK

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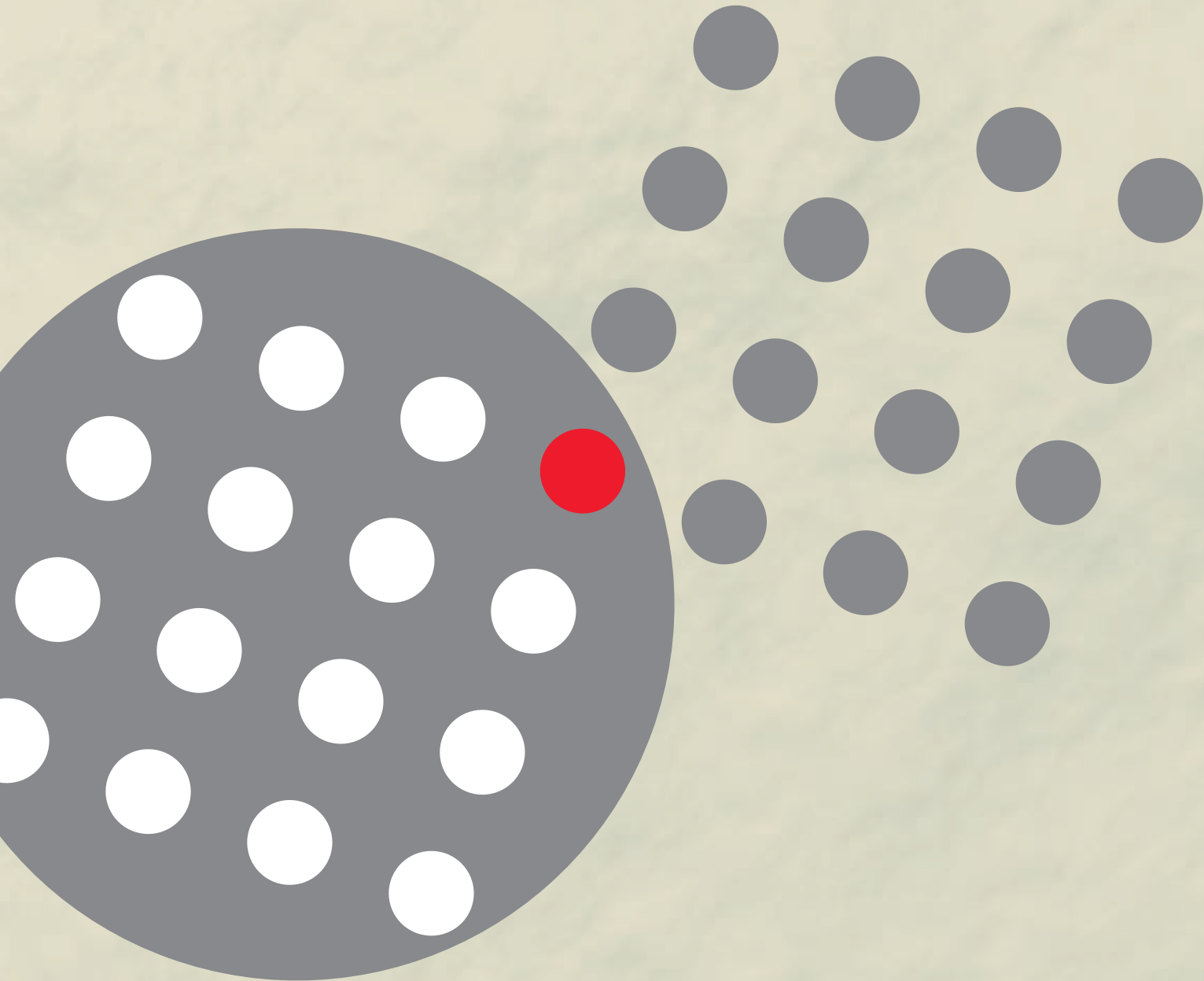


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Technical & Mechanical Specifications

- Endurance: > 2500 cycles per MIL STD 1344D
- Shock: 300g duration 3ms
- IP68 Mated and Unmated
- Thermal Shock -40°C to +125°C 5 Cycles
- Vibrations 10-2000 HZ y = 15 g Mil Std 1344A
- Altitude Immersion 3 cycles 3*30 mins
- Operating Temperature -40°C to +125°C
- Shell Sizes 0-2 (Plug OD 7.3mm – 12.0mm)

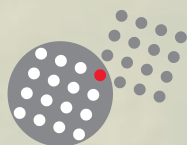




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