

EasyLock Backshells >

Innovative and efficient EasyLock Backshells are D-sub backshells that enable fast, single-handed, push-in locking without requiring tools or screw assembly. These backshells accelerate plugging and unplugging operations, help ensure secure locking, simplify maintenance and provide reliable operation in applications that are subject to shock, vibration and extreme temperatures.

ADVANTAGES AND FEATURES

Delivers fast, tool-free mating

The push-to-lock design with quick-disconnect latch screws helps avoid the need for traditional screw-in attachment, reducing the time spent plugging and unplugging the connector.

Minimizes design constraints

Vertical and angled cable-exit options, shock and vibration certification, and a broad operating temperature range improve versatility and enable use with a wide range of applications.

Reduces electronic noise effects

Shielded versions help filter out EMI and improve performance in dense or noisy conditions where signal integrity is crucial.

Shell Sizes	1 to 3
Cable Sizes	3.00 to 7.50mm
Shielding Available	Yes
Operating Temperatures	-35 to +100°C

Simplifies inventories and mitigates assembly challenges

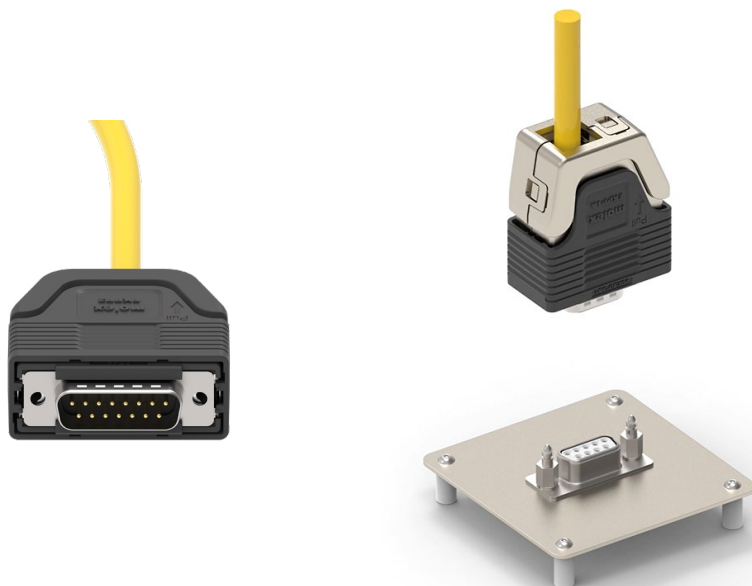
The backshell design eliminates screw assembly of the hood, saving time when assembling the backshell and reducing bill-of-material complexity.

Reduces weight

The EasyLock housing weighs less than metal backshells, supporting use in weight-constrained applications.

Supports assembly in tight spaces

While traditional D-sub connectors might require two-handed assembly, the EasyLock design features a large pull section that enables single-handed plugging and unplugging with no tools required.



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MARKETS AND APPLICATIONS

Defense

Signaling systems
Test and measurement systems

Diagnostics

Handheld diagnostic devices
Industrial diagnostic systems

Industrial Automation

Battery modules
Computer numerical control (CNC)
machines
Control panels

MedTech

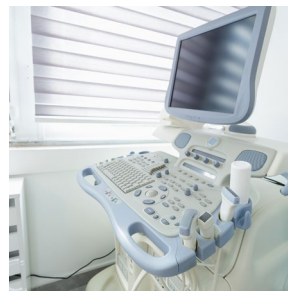
Diagnostic equipment
Patient monitoring device

Servers and Storage

High-cycle rack connections



Test and Measurement Systems



Diagnostic Equipment



CNC Machines

SPECIFICATIONS

Reference Information

Packaging: Carton
Designed in: Millimeters
RoHS: Yes
Halogen Free: Yes
Shock and Vibration Certification: IEC 61373,
category 1, class B

Mechanical

Locking Style: Single-handed push-to-lock
Shell Sizes: 1 to 3
Wire Exit Options: Straight, angled
Cable Sizes: 3.00 to 7.50mm
Torque (max.): 0.35 Nm
Internal Cable Clamp: 3.00 to 7.50mm
Thread Sizes: 4-40 UNC, M3
Durability (min.): 10,000 cycles

Physical

Material:
Standard—20% glass-reinforced polycarbonate
(PCGF20)
Shielded—acrylonitrile butadiene styrene (ABS),
nickel plated
Material Flammability: UL 94V-0
Operating Temperatures: -35 to +100°C