DATASHEET

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

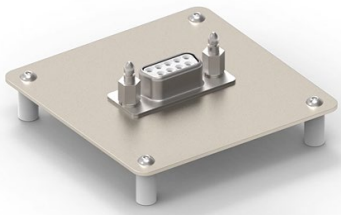
Simplifies inventories and mitigates assembly challenges
The backshell design eliminates screw assembly of the hood, saving time when assembling the backshell and reducing bill-of-material complexity.

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

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