

Squba 1.80mm-Pitch Sealed Wire-to-Wire Connector System

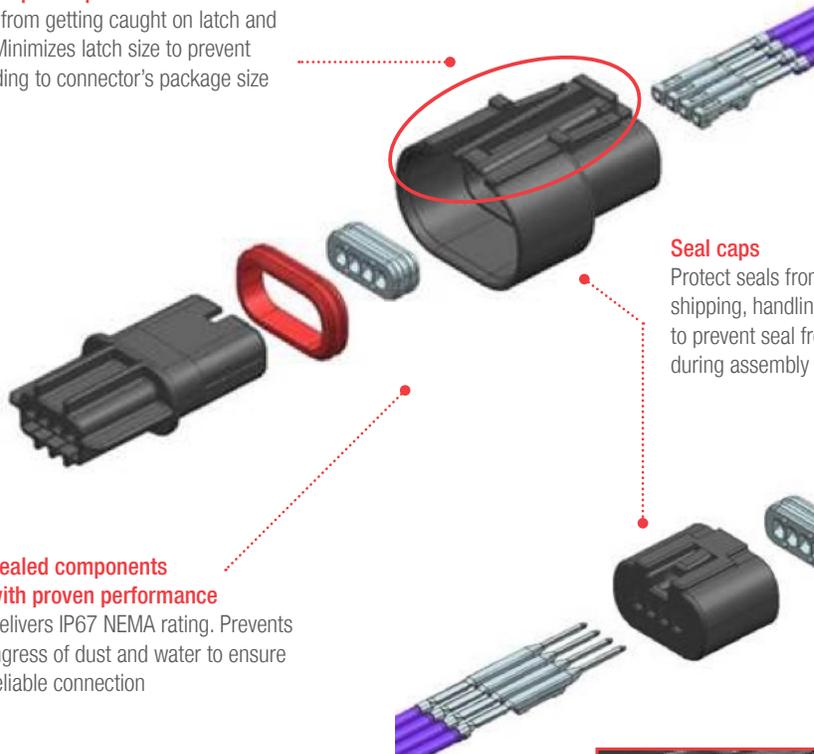
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Squba 1.80mm-Pitch Sealed Wire-to-Wire Connector System is a patent-pending design that offers an IP67 NEMA rating and carries 6.0A of current to deliver reliable power in a wide range of space-constrained applications

Features and Benefits

Protected, low-profile positive latch

Prevents wire from getting caught on latch and damaging it. Minimizes latch size to prevent latch from adding to connector's package size



Miniature size (1.80mm pitch)

Alleviates space constraints

Seal caps

Protect seals from damage during shipping, handling and use. Align terminals to prevent seal from being punctured during assembly

Sealed components with proven performance

Delivers IP67 NEMA rating. Prevents ingress of dust and water to ensure reliable connection

Seal cap's protective terminal channels

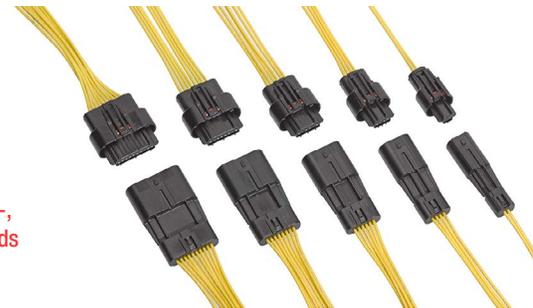
Align terminals during insertion to prevent punctures to seal during connector assembly

Wraparound insulation crimp

Provides security against seal punctures



2 to 10 circuits. Void options available for 3-, 5-, 7- and 9-circuit needs
Offers design flexibility

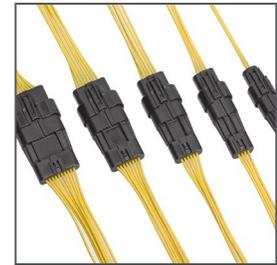


Primary lock enables 30N terminal retention

Delivers a reliable connection. Withstands vibration

Clean-body terminals

Avoids seal punctures



Squba 1.80mm-Pitch Sealed Connector Family, Mated

Squba 1.80mm-Pitch Sealed Wire-to-Wire Connector System



Applications

Consumer

- Liquid Dispensing Equipment
- HVAC Equipment
- Security Systems
- Outdoor Lighting
- Landscaping Equipment

Commercial Vehicle

- ATV
- Marine: Under-Dash Wiring, Lighting
- Forklifts
- Trucks
- Buses
- Aviation
- Recreational Vehicles

Industrial

- Robotics
- Industrial Machines and Motors
- Food Processing Equipment/Plants
- Industrial Controls

Equipment

- Liquid Dispensers



Security Systems



HVAC



ATV

Specifications

REFERENCE INFORMATION

Packaging: Bulk (Connectors); Reels (Terminals)
 UL File No.: TBD
 CSA File No.: TBD
 Use With: 22 to 24 AWG
 Insulation Diameter: 0.95 to 1.40mm
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: No
 Glow Wire Compliant: TBD
 IP Rating: IP67

ELECTRICAL

Voltage (max.): 125V
 Current (max.): 6.0A
 Contact Resistance: 10 milliohms
 Dielectric Withstanding Voltage: < 5mA
 Insulation Resistance: 100 Megohms

MECHANICAL

Terminal Insertion Force (max.): 5N
 Terminal Retention to Housing: 30N
 Mating Force: 45N
 Unmating Force: 35N
 Durability (max.): 10 Cycles

PHYSICAL

Housing: Plastic
 Contact: Copper Alloy
 Plating:
 Contact Area — Tin
 Underplating — Nickel
 Operating Temperature: -40 to +105°C

Ordering Information

Series No.	Component	Pitch	Circuits
204220	Receptacle	1.80mm	2 to 10
204223	Plug		
204301	Receptacle Crimp Terminal	N/A	N/A
204226	Plug Crimp Terminal		

www.molex.com/link/squba.html

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