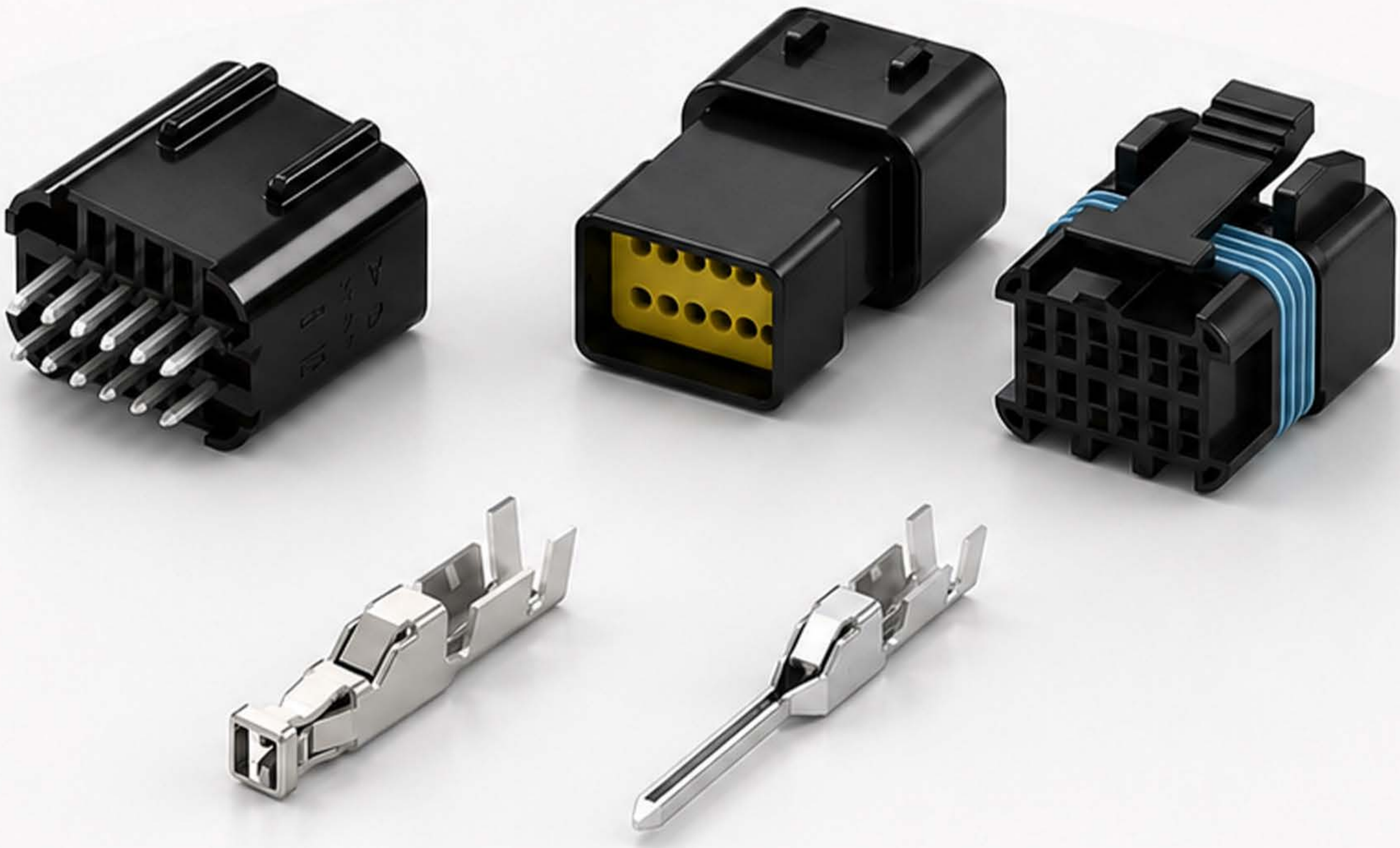
HRBCN

深圳市海云成电子有限公司
Shenzhen Haiyuncheng Electronics Co., Ltd.

ECONOMIC

2.0Smm PITCH WATERPROOF CONNECTOR

FLEXIBLE DESIGN, IPX7 WATERPROOF



2-24PIN

Rich pin count options

Single Row: 2-4 Pin | Dual Row: 4-24 Pin

KEY SPECIFICATIONS

Designed with a compact pitch for space savings, offering reliable waterproofing and high cost-performance. Ideal for multi-specification Pin configurations and miniature device interconnect applications.

Pitch
Pitch
2.0 mm

Current Rating
Rated Current
3A AC/DC Max

Voltage Rating
Rated Voltage
100V AC/DC

Waterproof Rating
Waterproof Rating
IPX7

Contact Resistance
Contact Resistance
10 mΩ Max

Insulation Resistance
Insulation Resistance
1000 MΩ Min

Withstanding Voltage
Dielectric Withstanding Voltage
1000V AC /1 Minute

Operating Temperature
Operating Temperature
−40°C to +130°C

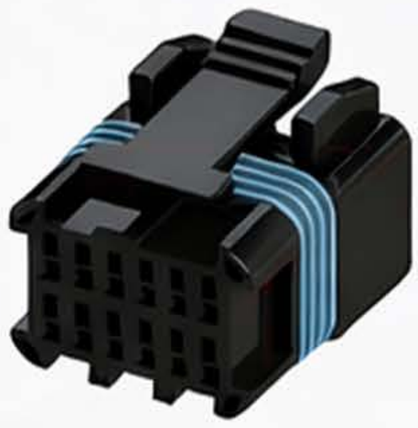
Applicable Pin Count
Applicable Pin Count
1×2 to 1×4 Pin
2×2 to 2×12 Pin (without 11 Pin)

Applicable Wire Gauge
Applicable Wire Gauge
AWG26 to 22

Connector Assembly

Plug Housing

M20032S



Positions: 1x2–1x4 Pin
2x3–2x12 Pin

Compatible terminals:
T20032SPS–1–2
Compatible Plug Housing
M20033S

Receptacle Housing

M20033S



Positions: 1x2–1x4 Pin
2x3–2x12 Pin

Compatible terminals:
T20033SPS–1–2
Compatible Plug Housing
M20033S

Header

M20036S



Positions: 1x2–1x4 Pin
2x3–2x12 Pin

Mounting:
PCB solder type

Terminal

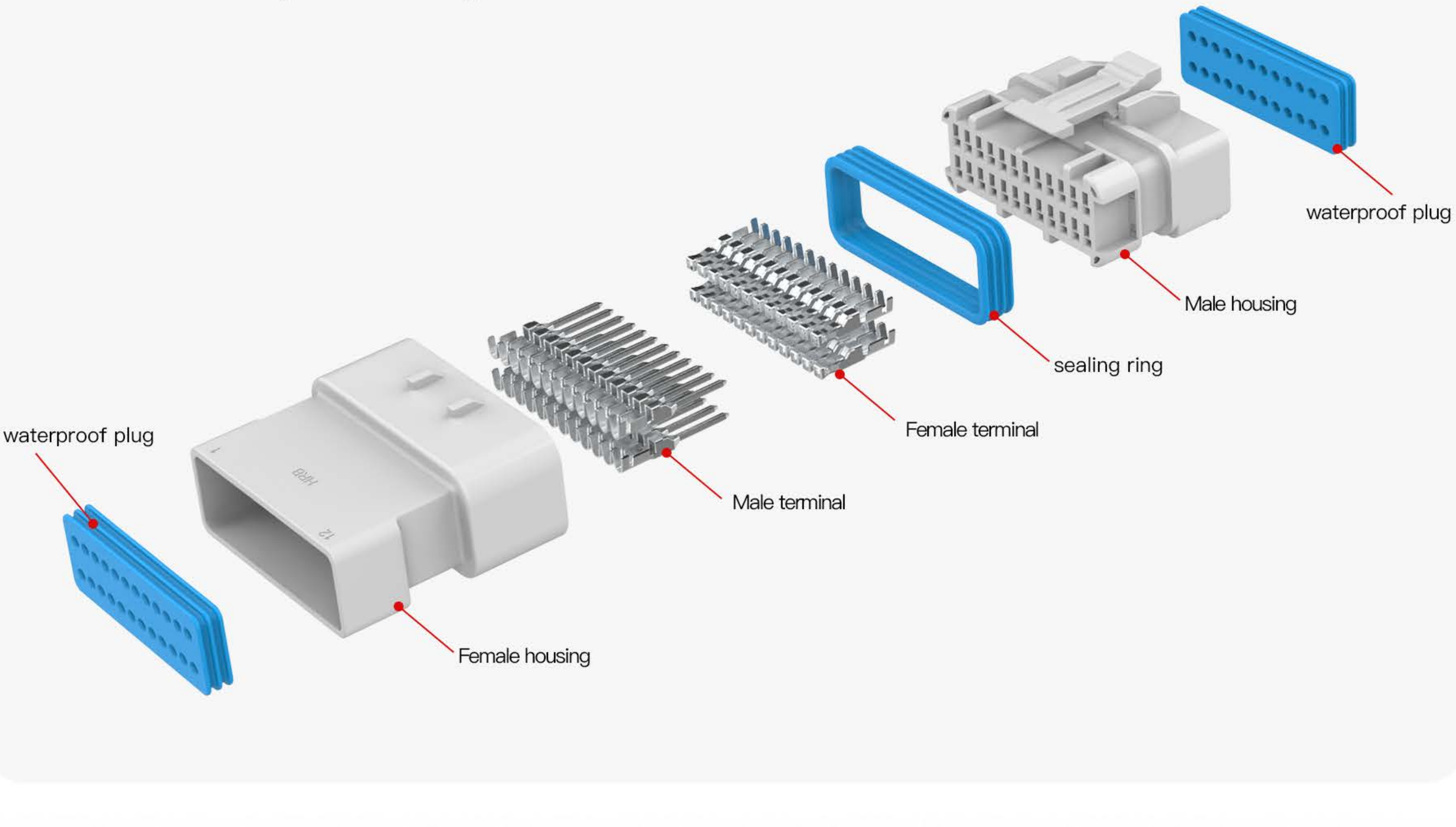


Positions:
T20032SPPS–1–2
T20033SPPS–1–2

Wire Range:
AWG22–24

Exploded View

Waterproof, sealed design. Terminals, plug and receptactie housing are precisely mated to achieve waterproof sealing and secure retention.



Application Scenarios

Meeting the needs of industry expansion and enabling higher-value connectivity across diverse scenarios.



Outdoor Power Equipment Connectors



Automotive 360° Surround-View System Connectors



Agricultural UAV Connectors



Automotive Side/Rear-View Camera Connectors



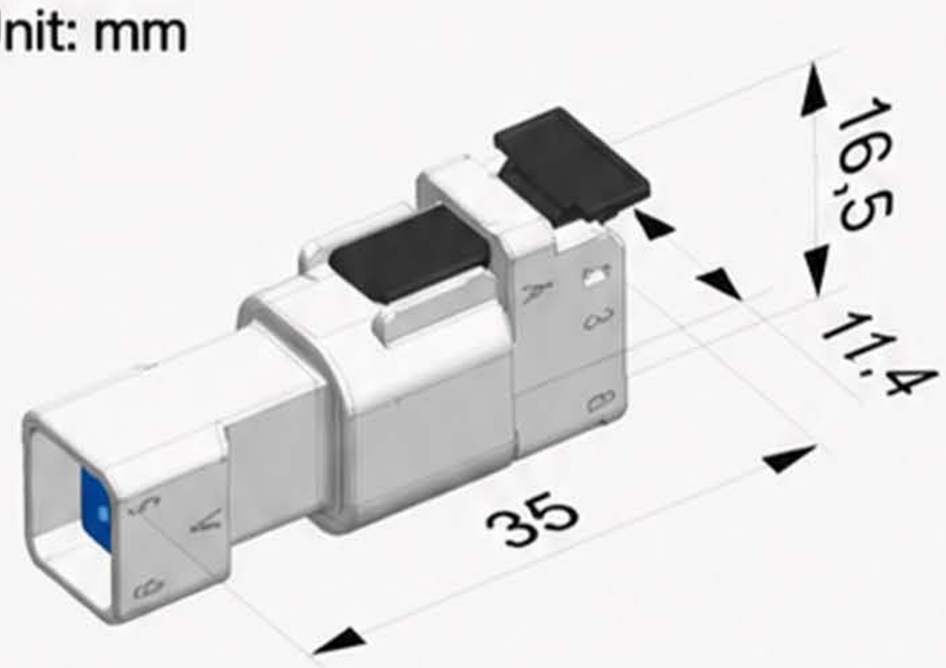
E-Bike Connectors

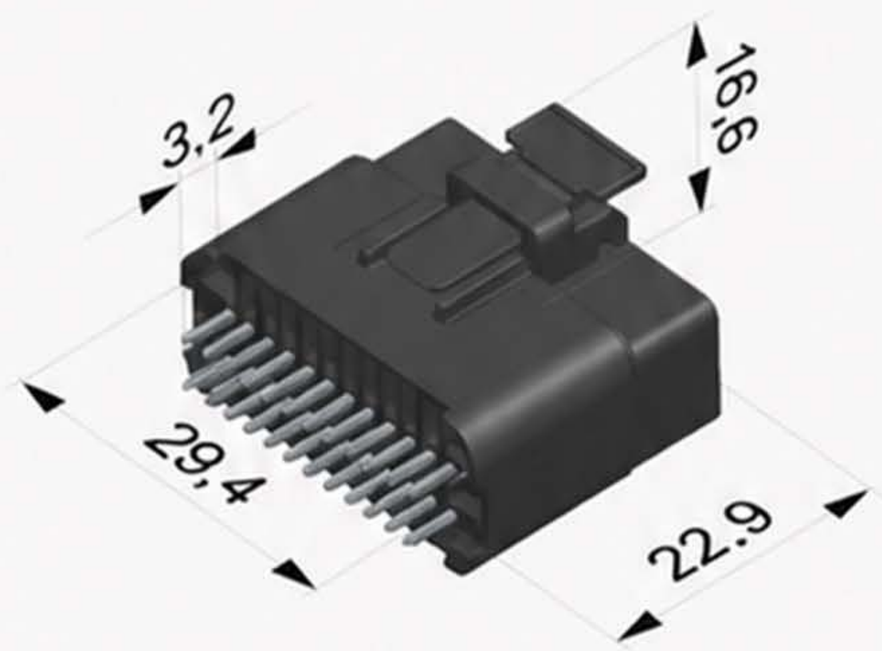


Power Wheelchair Connectors

Compatible Dimensions

Unit: mm





IPX7 WATERPROOF PROTECTION

Featuring a high-reliability waterproof sealing design, ensuring excellent protection against moisture, rain, and brief immersion.



Product direction

Focusing on the demand for miniaturized waterproof connections, the product line simultaneously plans wire-end male/female housings, board-end wafer headers, and terminal systems. Based on a compact 2.00mm pitch, it offers a wider selection of pin count options, balancing space-saving layout, reliable signal transmission, and robust waterproof performance to meet diverse equipment connection requirements.

