Motor/Gearbox/Wheel Assembly

Battery Management System

Dual Channel Motor Controller

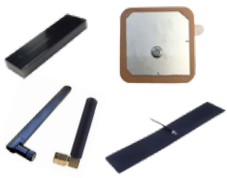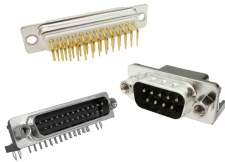Robopads Charge Contacts

Magnetic Track Following Sensor

Optical Flow Sensor

① Data Transmission

Antenna
- External and embedded
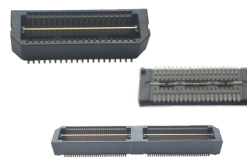- 5G, 4G, 3G, and 2G standards
- WiFi and LTE

D-Sub
- 9, 15, 25, 26, 37.
- Standard, high-density, stacked, coax, power
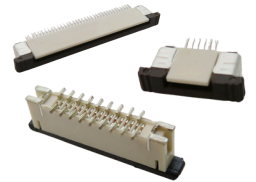- Shell size, flange, mounting, termination

Modular Jacks
- 4P2C to 10P10C
- Integrated magnetics options
- Metal shielding options

② Internal Transmission

High Speed Board to Board
- Speeds up to 28 Gbps
- Stack height: 5mm
- -55°C to +125°C

Flexible Printed Circuit
- Zero-wiping contact for reliability
- Single/dual row, thru-hole/SMT, vertical/horizontal
- 0.3, 0.5, 0.8, 1.00, 1.25 pitch (mm)

③ Operation Control

Circular Waterproof
- Panel mount, overmold w/cable, field assembly types
- IP66, IP67, IP68
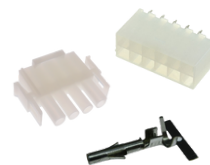- Straight and right angle
- Screw locking mechanisms

Pushbutton Switches
- IP66, IP67
- High current
- Anti-vandal
- Solder type, PCB type, screw lug, and surface mount

④ Power Management

DC-DC Converters
- Single and dual output
- Power range: 1 to 30 W
- Input voltages: 2.97~75 VDC
- Output voltages: 3.3 ~24 VDC

Wire to Board Power
- Pitch sizes: 2.50mm–6.35mm
- Secure latching system resists vibration

Heat Sinks
- Extruded and stamped types
- Suitable For TO-220, TO-247, and SOT-32 packaged components
- Material: aluminum
- Surface finish: black anodized