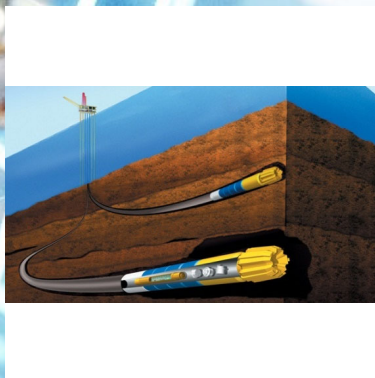
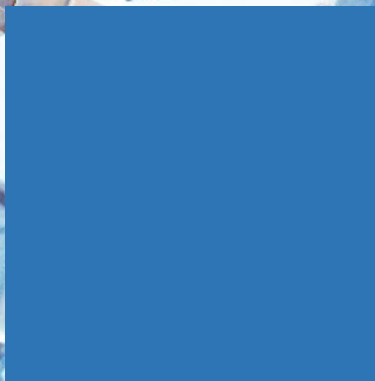
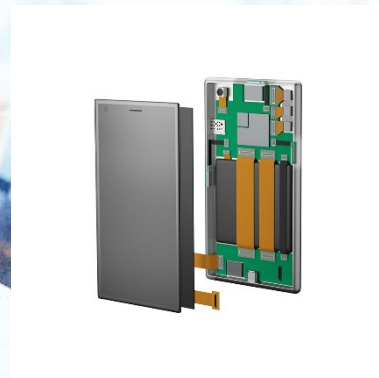
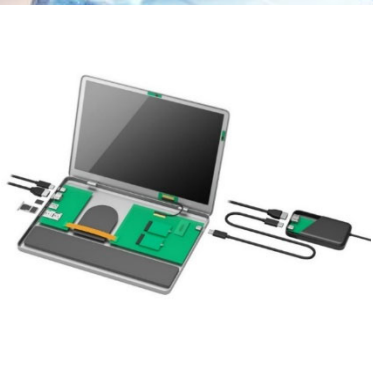
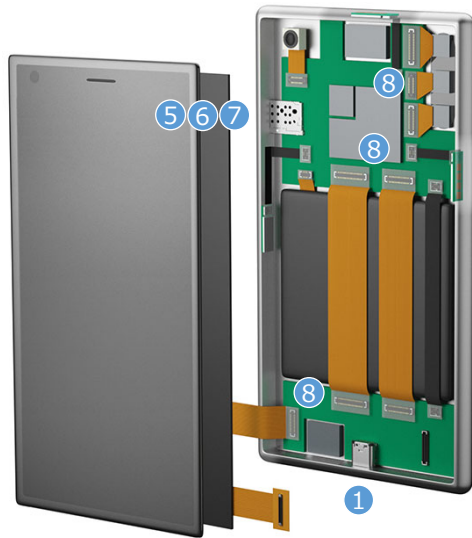


Applications Guide



Small Devices / FPD TV

Smartphone



Smart Watch



– I/O –

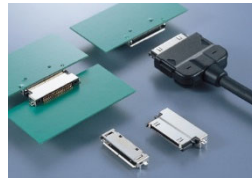
USB Type-C® Standard 1



HDMI™ Standard 2



I/O Docking 3

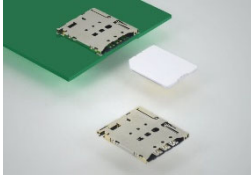


Smart textiles adaptable 4

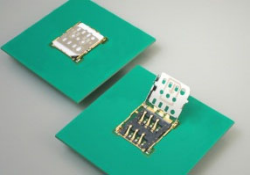


– Card –

microSIM Card 5



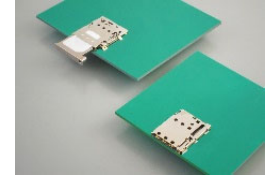
microSD™ Card 6



microSD™ Card 6



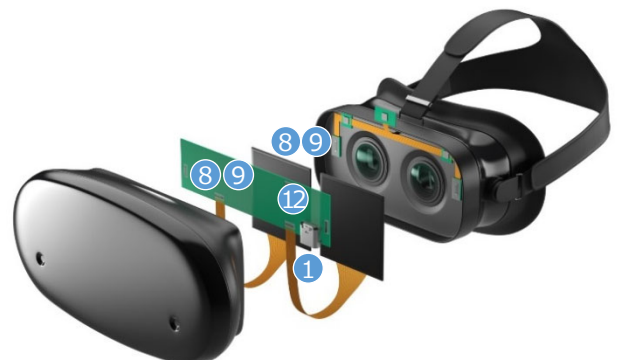
nanoSIM Card 7



Wireless Earphones



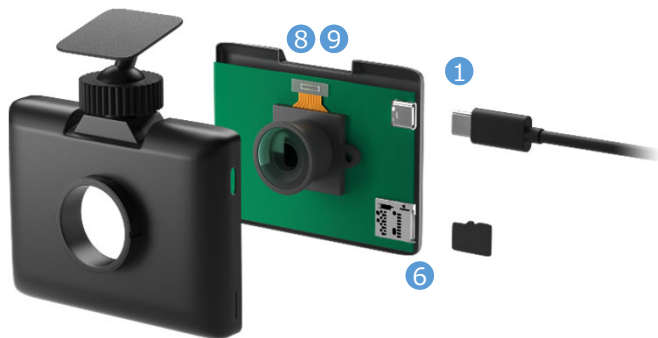
Head Mounted Display



Connector

Small Devices / FPD TV

Driving Recorder

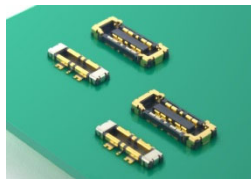
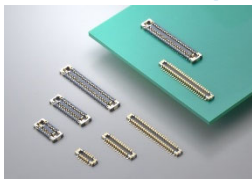


Smart Clothing

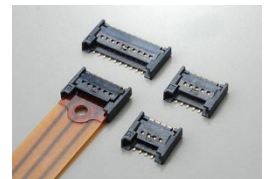
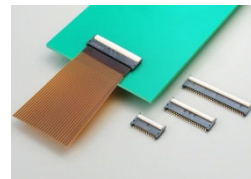


– Internal –

Board to Board 8



Board to FPC 9



I/O for LCD 10



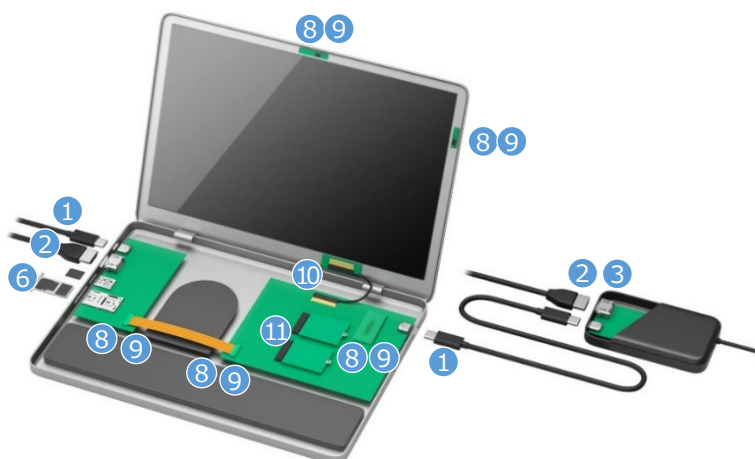
Module Socket 11



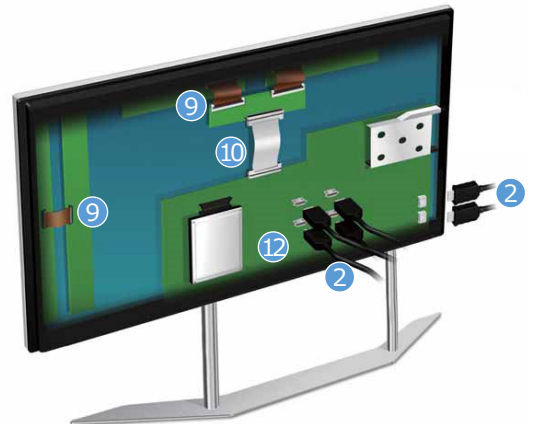
Antenna for Wi-Fi 12



Notebook PC



FPD TV



Automotive

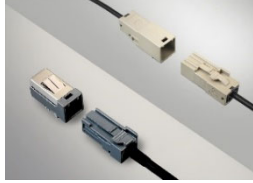
ADAS

- Camera -

 Automotive Digital Camera



 Automotive Digital Camera




ADAS

- Powertrain -

 In-vehicle for ICT Devices



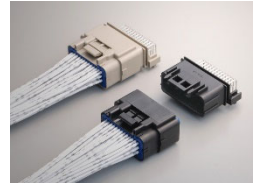
 Automotive FAKRA Standard Compatible



 Automotive HSD Compatible




 High Pin Count, Compact Waterproof

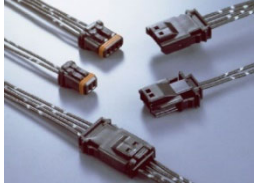


 High Pin Count Waterproof




- Active Sensor -

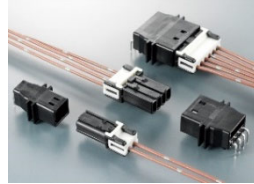
 Compatible with 0.35sq Wire



 Compact Waterproof




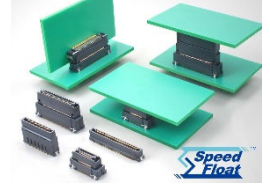
 Low Pin Counts. Waterproof




 Waterproof Board to Cable 040 Contact

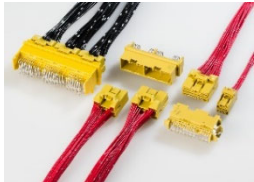



 High-speed Floating Board to board




- Safety -

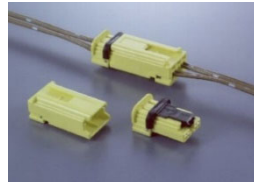
 0.64 (025) Non-waterproof SRS



 In-line Waterproof For Airbags




 In-line Non-Waterproof For Airbags



 High Pin Count For Airbags



 Self-rejecting Squib



Motion Measurement / Operation Control

- Inertial Measurement Unit -

 High Performance MEMS- IMU



Motion Measurement / Operation Control

Automotive

Connected Car


- Infotainment User Interface -

 Automotive HDMI™




 USB Type-C® Standard



 USB Type-A® Charging for Automotive



Connected Car

 Capacitive Touch Panel

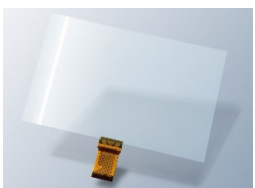
 FLEX CONVERT



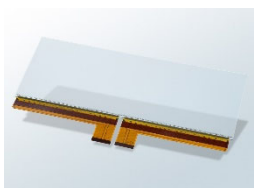
Glass Type



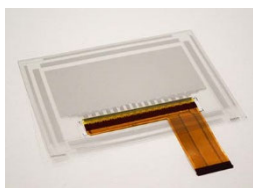
Film Type



Fully Transparent Type



Frameless Type




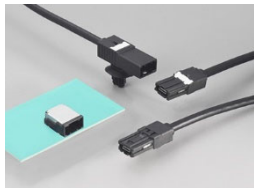
Multifunction Sensing Type


- In-Vehicle Infotainment -

 Automotive USB 3.0 High Speed



 Automotive USB 3.2 / DP1.4 Compatible




 Automotive LVDS/GVIF* Compatible

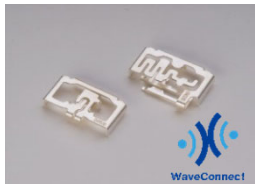


 Small Coaxial (50Ω / 75Ω)



- Antenna -

 Antenna for Automotive




Antenna




E-mobility

E-mobility


- Battery System -

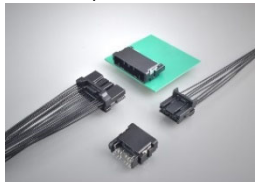
 High Current for EV




 High-density Non-waterproof




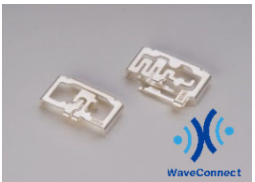
 SMT, Compact, Low-profile



 Using Low Flammability Material UL94V-0 for EV/PHEV



 Antenna for Automotive



Industrial & Infrastructure Equipment

Industrial Robots



Circular I/O 1



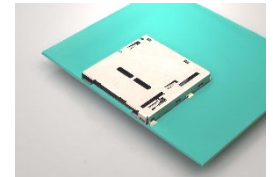
Small Circular I/O 2



Rectangular I/O 3



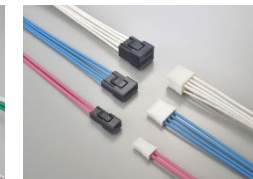
SD Card 4



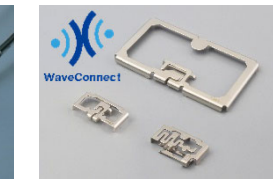
Small Servo Motor Connectors (Waterproof) 5



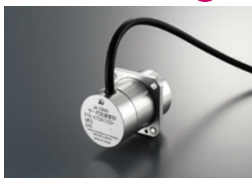
Waterproof Cable to Cable 6



Antenna for Wireless Communication 8



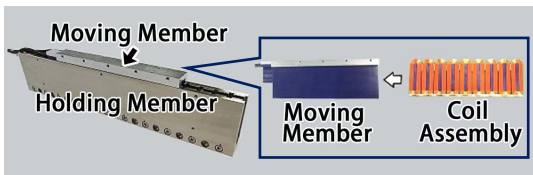
Accelerometer 1



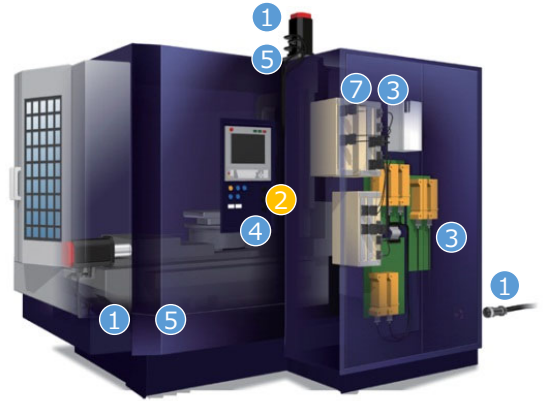
Optical Filter / Laser Mirror 3



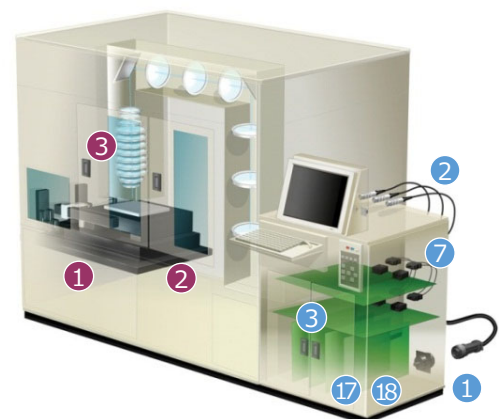
Linear Motor 2



Numerical Control Machines



Semiconductor Production Equipment



Industrial & Infrastructure Equipment

Network

Medical Equipment



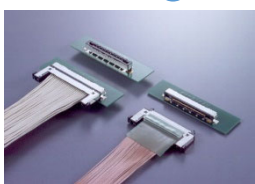
Waterproof I/O Connectors for Outdoor Use 9



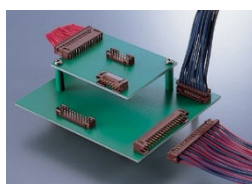
Outdoor Environmentally Resistant Circular 10



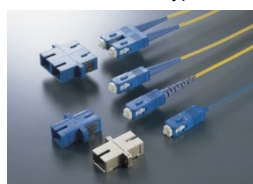
I/O for LCD 11



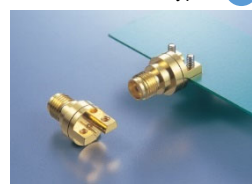
Board to Cable 12



Fiber Optic Connectors-Type SC 13



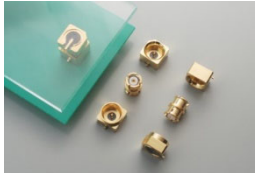
SMA Standard Coaxial, End Launch Type 14



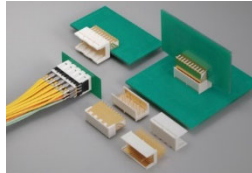
SMB Standard Compliant Coaxial 15



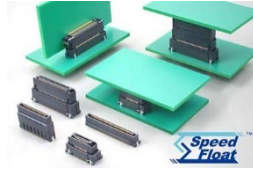
Board to Board Floating Coaxial 16



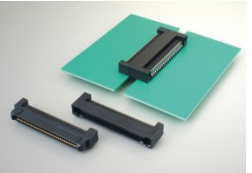
Backplane 17



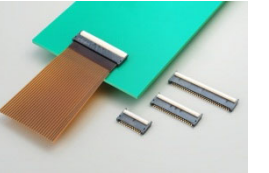
Board to Board 18



Board to FPC 19



Board to FPC 19



Robot Teach Pendant 1



Operation Panel 2

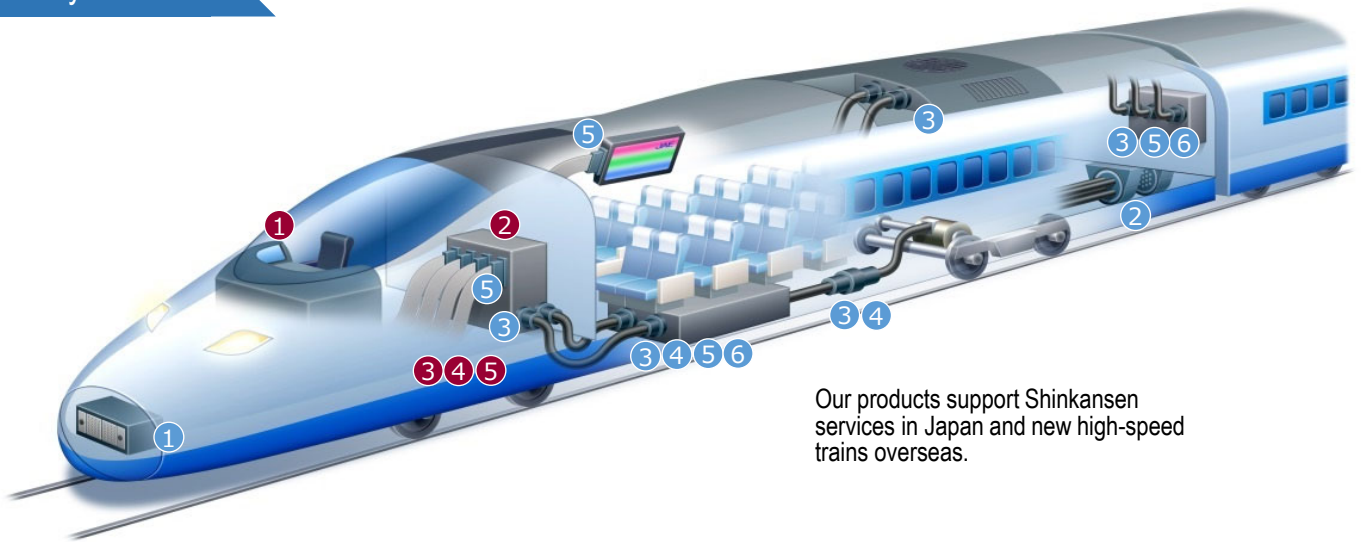


Panel Unit for Diagnostic Ultrasound System 3

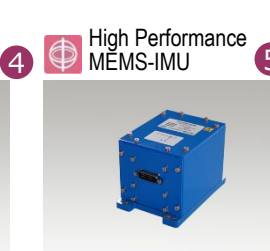
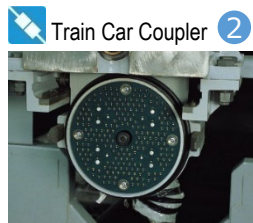


Industrial & Infrastructure Equipment

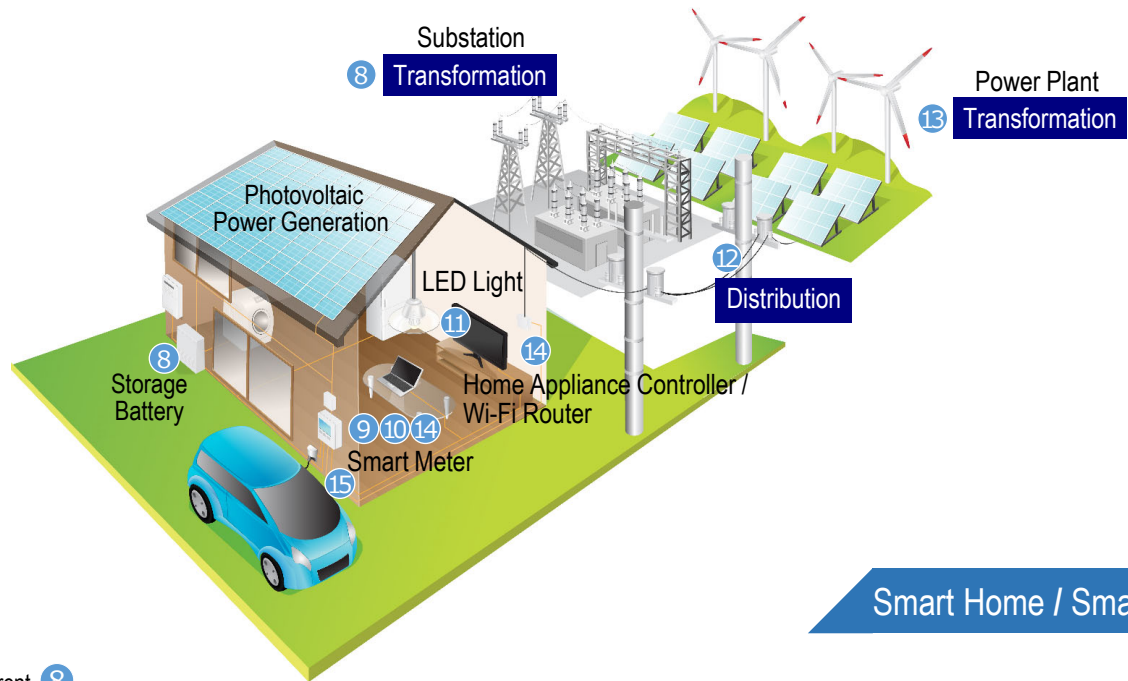
Railway Vehicles



Our products support Shinkansen services in Japan and new high-speed trains overseas.



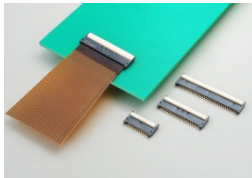
Industrial & Infrastructure Equipment



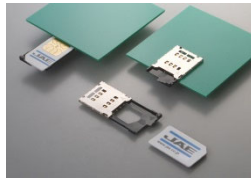
High-Current (8)



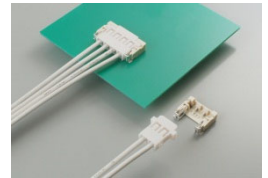
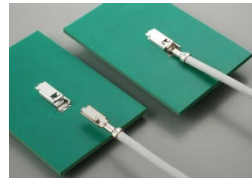
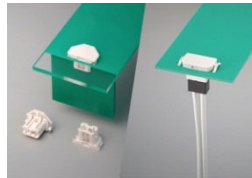
Board to FPC (9)



SIM / SAM Card (10)



LED Lighting (11)



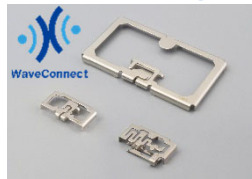
Waterproof I/O (12)



I/O (13)



Antenna for IoT / Wi-Fi (14)



EV Charging Connector for V2H (15)



EV Fast Charging Connector (16)



Energy Storage System



Electric Vehicle Quick Charger



Industrial & Infrastructure Equipment

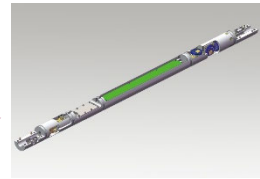
Oil Drilling Equipment



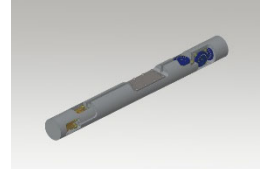
Accelerometers for Oil Drilling



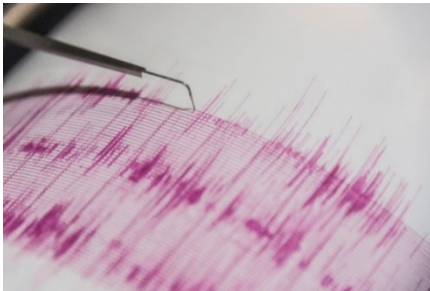
SMART Directional Module (Standard Communication Protocols) 1



Analog Directional Module 1



Earthquake / Tsunami Observation



Accelerometer



Marine



High Performance Compact RLG Inertial Navigation System



Drone



High Reliability Flight Controller



Compact Waterproof In-line Connector



Compact Low-profile Connector



i-Construction / Agricultural Machine



Antenna for IoT / ICT



MEMS IMU



Aviation / Space / Others

Commercial Aircraft



Accelerometer

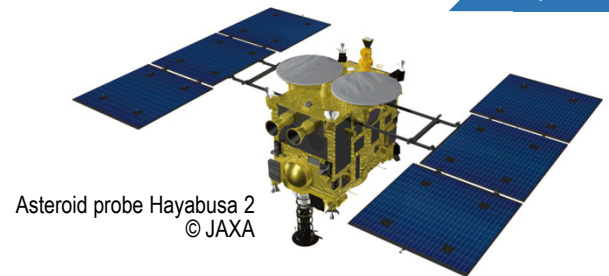


Aviation



F-2 © JASDF

Space

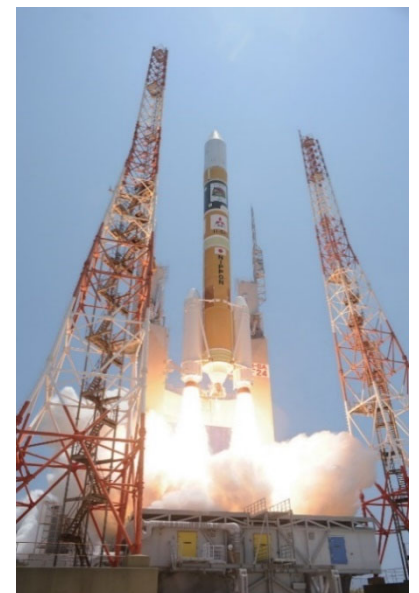


Asteroid probe Hayabusa 2 © JAXA



US-2 STOL Search and Rescue Amphibians © ShinMaywa Industries, Ltd.

Accelerometer



H- II A Launch Vehicle

© JAXA

Inertial Reference Unit for Scientific Satellite



Ring Laser Gyro



Inertial Measurement Unit for Launch Vehicle



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Camera Stabilizer (EO / IR)



Camera Stabilizer For Ships (EO / IR)





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February 2024