

Rely-On Connectors >

Designed for applications that require high performance even in harsh conditions, Rely-On Connectors feature a 1.00mm-pitch form factor with exceptional durability and vibration resistance. These connectors ensure robust PCB retention and reliable signal integrity, helping customers reduce assembly issues and improve product reliability in a wide variety of applications including automotive, home appliance and industrial automation.

ADVANTAGES AND FEATURES

Offers exceptional space savings

The 1.00mm-pitch design delivers reliable electrical performance and overcomes tight space limitations-ideal for compact devices.

Delivers robust board retention to help avoid connector disengagement

The dual-split nail design in the vertical type and an increased solder contact area in the right-angle design help increase mounting strength on the PCB.

Meets automotive industry standards

The connectors comply with USCAR2 Class V1 and LV214 Class S1 for vibration and mechanical shock.

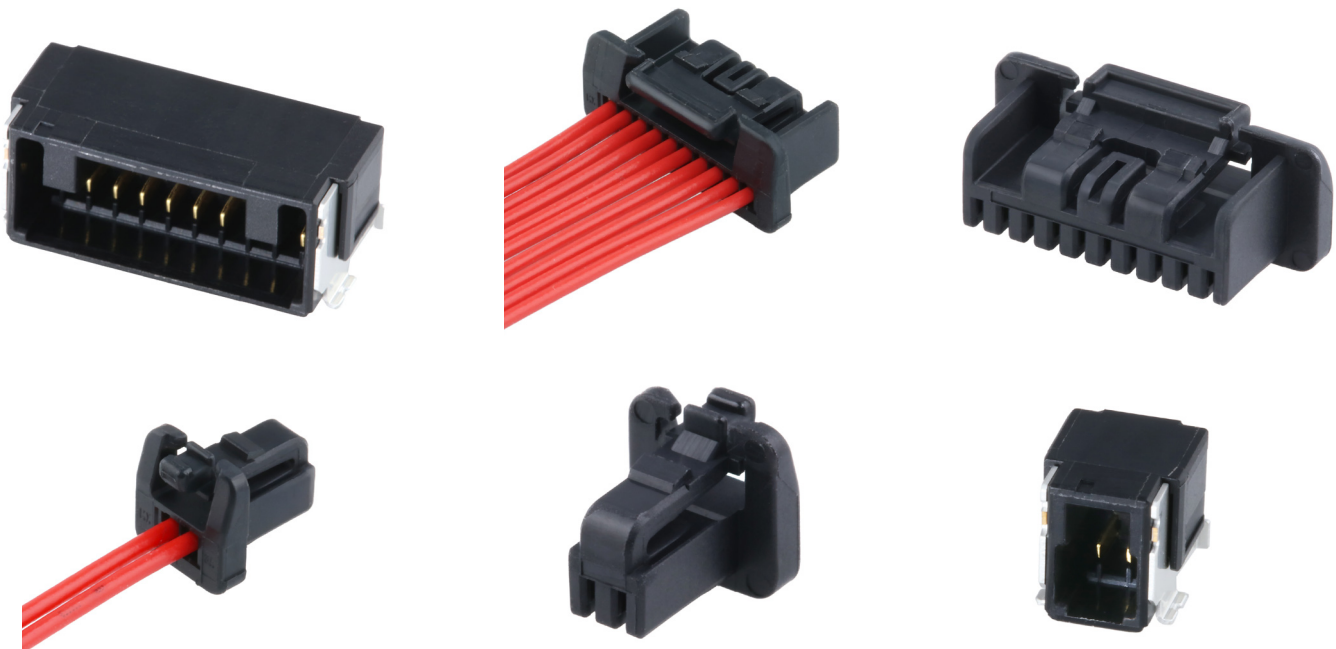
Current (max.)	2.5A
Voltage (max.)	100V
Circuit Size	2 to 10
Operating Temperatures	-55 to +125°C

Affords high vibration and shock resistance

The narrow clearance and the stabilizer on the terminal deliver outstanding vibration control; the tip shape maximizes the contact areas and minimizes stabilizer deformation, delivering consistent anti-vibration performance.

Provides a sturdy, user-friendly locking system

A larger latch area for better locking operability and two locking areas for the higher circuit sizes increase security and help prevent connector breakage during vibration and shock.



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MARKETS AND APPLICATIONS

Appliances and Mobile Devices

Compact portable appliances
Smart speakers
Tablet PCs
Wearable devices

Automotive

USCAR
Driver monitoring systems
Heads-up displays
Interior lighting
Interior rearview mirrors
Heated seat modules
Steering wheels
Taillamps and headlamps

HVAC

Air conditioners
Heat pumps
Humidifiers
Ventilators

Industrial automation

Drones
Unmanned aircraft vehicles



Drones



Air Conditioners



Headlamps

SPECIFICATIONS

Reference Information

Packaging: Embossed tape with cover
Designed in: Millimeters
RoHS: Yes
Low Halogen: Compliant
PFAS Free: Compliant

Electrical

Voltage (max.): 100V
Current (max.): 2.5A signal
Contact Resistance: 20 milliohms (max.)
Wire Gauge (AWG): 32, 30, 28

Mechanical

Pitch: 1.00mm
Orientations: Vertical and right angle
Row: Single
Circuit Sizes: 2 to 10
Insertion and Withdrawal Cycles: 30

Physical

Locking/Circuit: Inner positive lock/2 to 10
Contact: Copper alloy
Plating: Gold
Operating Temperatures: -55 to +125°C