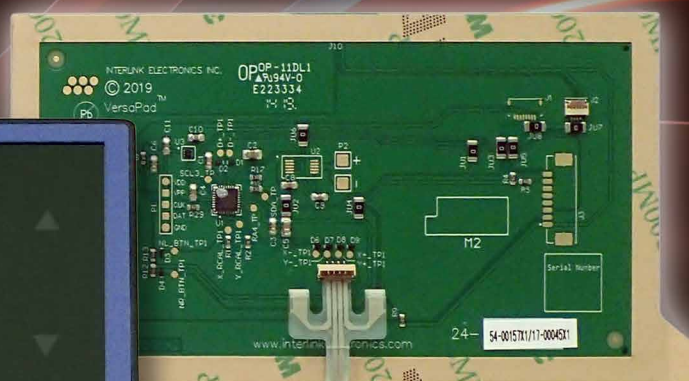
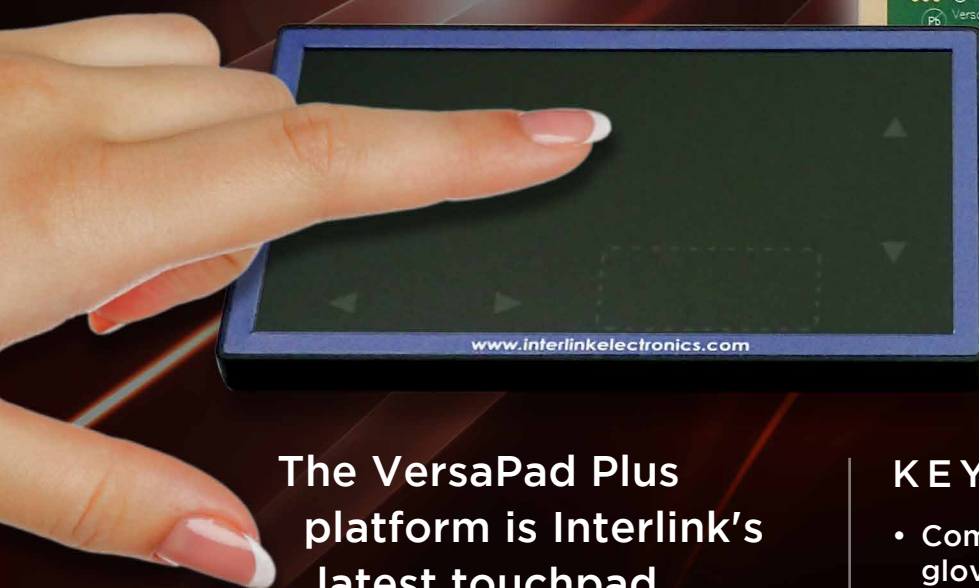


VersaPad Plus™

Rugged Resistive Touchpad



The VersaPad Plus platform is Interlink's latest touchpad solution for rugged applications and harsh environments.

Not only is it able to withstand extreme weather, gloved operation, and electromagnetic interference, the ultralow-power VersaPad Plus also has the largest active surface area of any rugged touchpad on the market. The larger interactive area means more precise control and easier utilization of two-finger gestures, as well as extra real estate to include additional features like horizontal and vertical scroll zones and a right-click zone. The USB HID-class VersaPad Plus is also easy to implement, using the native operating system's built-in mouse drivers.

KEY FEATURES

- Compatible with stylus and bare or gloved fingers
- Largest active surface area on the market
- Multi-touch functionality
- Defined right-click and scroll zones
- Drag edge lock
- USB HID compliant
- Optional external button interface
- Optional USB selective suspend mode
- USB remote wakeup by touchpad or external button

APPLICATIONS

- Industrial Computers
- Industrial Control Panels
- Rugged Notebooks
- Rugged Keyboards
- Medical Instruments
- Scientific Systems
- Gaming

VersaPad Plus™

Rugged Resistive Touchpad

Device Characteristics

Overlay Color Black

Typical Actuation Force 0.05N to 0.3N (5g to 30g)

Weight 35 grams or less

Operating Temperature Performance: Functional before, during, and after exposure to the below conditions:

Cold Dry -20°C ≤5%RH for 96 hours

Cold Humid 10°C 95%RH for 96 hours

Hot Dry 50°C <5%RH for 96 hours

Hot Humid 60°C 95% for 96 hours

Storage Temperature Performance: Functional after 96 hours of exposure to the below conditions:

Cold Dry -40°C <-5%RH

Hot Dry 70°C ≤5%RH

Hot Humid 70°C 95%RH

Thermal Shock: Functional after 20 cycles of -40°C to 70°C with a 30-minute dwell time and 5-minute transitions

Lifetime Durability >5 million stylus strokes at -150g/+10g at +23°C and +70°

Standing Load Durability Vertical static load 1kgf max for 1 hour

Tap Durability >1,000,000 cycles at 1kgf/silicone finger/4Hz at +23°C and +70°

Drop Dropped from 122cm (48 in.) onto concrete

Mechanical Shock Comparable to MIL-STD-202, 80G accelerated in 11 milliseconds

Altitude: Operating Altitude 10,000 ft Functional before, during, and after exposure to altitude pressure simulation in vacuum (1 hour)

Altitude: Storage Altitude 30,000 ft Functional before and after exposure to altitude pressure simulation in vacuum (1 hour)

UL All materials are UL grade 94 V-1 or better

RoHS Compliant

Stylus recommendations:

Material Acetal or Teflon

Minimum radius of tip 1.5mm



Part Numbers for Ordering

Product Development Kit, PN:54-00162

Key components:

- VersaPad Plus, FFC Connector (1 unit)
- VersaPad Plus, Demo Model (1 unit)
- FFC Cable (2 units)
- MicroUSB cable (1 unit)
- USB flash drive with product literature

VersaPad Plus FFC & MicroUSB,

PN: 54-00160

VersaPad Plus FFC, PN: 54-00160

VersaPad Plus Header, PN: 54-00163

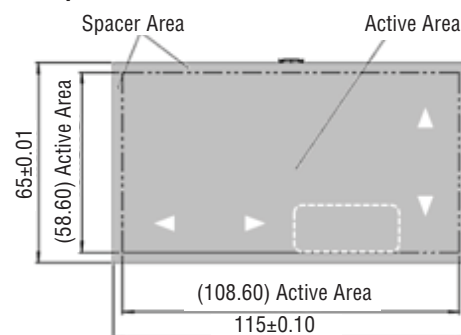
12" Wire Cable Harness, PN: 14-16576

USB Cable Assembly, PN: 14-00054

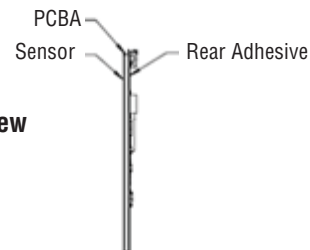
USB Cable Assembly with Strain Relief, PN: 14-00108

MicroUSB Cable, PN: 14-00668

Top View



Side View



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