



Fact Sheet

HANDHELD AND PORTABLE DEVICES

▶ What are Handheld and Portable Devices?

- Any system or subsystem intended to be used as a remote, hand held or compact device, that recognize products designed to maximize board real estate and overall system profile.
- Designs requiring miniaturization where the use of components offering low profile, small footprint and high pitch are mandatory to meet the overall system requirements.

▶ In-the-Know

- Today's market demands are trending toward convenience, portability, and mobility of electronic systems. Therefore, manufacturers are driving towards smaller and lighter system designs requiring miniaturized components capable of supporting these designs.
- Higher speed allows for improved data rates for today's faster and more efficient applications. Meeting the high speed performance requirements of the market place is key. At TE Connectivity, we analyze and develop our products based on the new market requirements for higher data rates and greater power efficiency, enabling systems to meet these demanding performance requirements.
- Consumer electronic devices are loaded with electronics constrained in small spaces. In order for these electronics to be safe and reliable they require the right circuit protection. TE offers increased circuit protection solutions for these types of devices to prevent overcurrent and overvoltage incidents that could cause system failures.

▶ Target Markets / Applications

- Intelligent building control systems
- Medical equipment manufacturers
- Consumer & commercial lighting
- Low resolution displays
- Handheld devices

▶ Handheld and Portable Device Subsystems

- Grounding
- Power
- Internal Interconnect
- Input / Output (I/O)
- RF
- Card
- Circuit Management

▶ Design Navigator

Inside the small devices solutions guide, the Design Navigator will help you and your customers select the right interconnect products based on their unique design requirements and specification challenges.

TE provides interconnect solutions for grounding, power, I/O, RF, card and circuit management appropriate for use in small devices across various industries.

When selecting components for small devices operating in environments with exposure to high vibration, mechanical and thermal shock or EMI/RFI noise, TE products help solve many design challenges.



▶ Key Questions to Ask Your Customers

- Do you face challenges with limited space in your applications?
- How do you protect your device from or mitigate the negative effects of EMI/RFI noise?
- What are your high speed signal and data rate needs — now and for the future?
- Do you need to protect your applications from high levels of vibration?
- Do you need to protect your application from overcurrent, overvoltage or thermal shock?
- Is there an antenna or speaker in your application where grounding may be required?