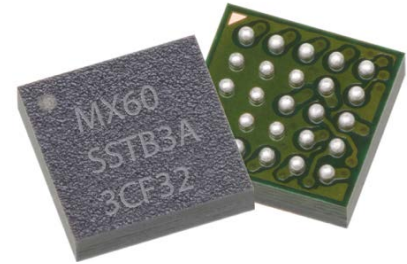**molex**

MX60 USB SuperSpeed Contactless Connectivity Solutions ❯

MX60 USB SuperSpeed Contactless Connectivity Solutions offer high-speed solid-state wireless connections by replacing mechanical connectors, affording a convenient and cost-effective connectivity solution ideal for high-vibration applications and harsh environments.

MX60 USB SuperSpeed Contactless Connectivity Solutions

FEATURES AND ADVANTAGES

Remains unaffected by interference from Bluetooth, Wi-Fi or wireless chargers, making it a robust way to add contactless connectivity
60 GHz wireless

Simplifies the process of incorporating wireless technology into a product
Built-in antenna for easy design and assembly

Consumes milliwatts rather than watts
Low power

Pitch	0.50mm
Length	3.00mm
Width	3.00mm
Height	0.90mm
Operating Temperatures	0° to +70°C

Enables applications that are not possible by other wireless technologies; offers up to 5 Gbps per pair
High-speed rates

MARKETS AND APPLICATIONS

Mobile Devices
Cell phones
Personal computers
Tablets

Networking
Docking stations
Virtual reality/augmented reality systems

Personal Computers

Docking Stations

MX60 USB SuperSpeed Contactless Connectivity Solutions ❯

SPECIFICATIONS

Reference Information
Packaging: Tray; tape and reel
Designed in: Millimeters
RoHS: Yes
Halogen Free: Yes

Electrical
Voltage (max.): 1.2V; 1.8V (optional)

Radio
Under 7 GHz occupied bandwidth (OBW) @ <5.4 Gbps
Amplitude-shift keying (ASK) modulation
Output Power: -0.8dBm (carrier wave mode)
Rx Sensitivity (5.4 Gbps): -21.3dBm typical
Antenna Gain: 6.5 dBi
Total Radiated Output EIRP: 5.7 dBi

Mechanical
Pitch (ball): 0.50mm
Mated Height: 0.90mm
Width: 3.00mm
Length: 3.00mm

Physical
25-ball VFBGA
Operating Temperatures: 0 to +70°C

www.molex.com