

RESILIENT, MINIATURIZED USB TYPE-C CONNECTORS FOR SMALL AND HOME APPLIANCES





As innovation accelerates and personal and home appliances become smaller and smarter, reliable always-on connectivity is no longer a luxury it's a necessity.

Innovation often requires smaller, smarter products built with compact, cost-effective, and reliable high-performance components easily integrated into standard production processes. With the ever-increasing demand for most applications to be remotely controlled via mobile devices, consumers often require:



TE Connectivity's USB Type-C Connectors



Applications

Household Appliances



Small Kitchen Appliances



Electric Fans, Heaters & Humidifiers



Personal Appliances



Top 5 Benefits



Enhanced Performance

Offering data transfer speeds of 10 Gbps, power up to 25W, and A/V through one connection, TE Connectivity's (TE) USB Type-C connectors can deliver reliable signal integrity and excellent signal speeds to address regulating temperature. Enhanced electromagnetic interference (EMI) shielding on the receptacle shell reduces noise and helps eliminate unwanted EMI leakage.

Increased Reliability

Superior board retention features can provide enhanced reliability and stability, including IPX4 splashproof and IPX7/X8 waterproof options to help provide additional protection in demanding environments. Rated up to 10,000 mating cycles without loss of signals or power, TE's USB Type-C connectors can reduce the risk of failure and can extend your appliances' life span.

Smaller Footprint

With one of the smallest dual-row surface-mount technology (SMT) footprints, TE's USB Type-C connectors can save valuable board real-estate for adding more features and functionality.

Easy to Use

TE's USB Type-C connectors are easy to use with a reversible mating interface and receptacle designed to accept a plug in two directions for easy, reliable mating.

Backward Compatibility

Allows for backward compatibility to HDMI, VGA, DisplayPort, and other USB connector types from the single USB Type-C port, using converter cables or adaptors.

TE's USB Type-C connectors can provide power, data, and A/V transmission for small and home appliances with increased miniaturization, quality, and reliability. They can help empower designers to innovate and create smarter appliances by enabling high-performance, high-density electronics for many applications within a reduced footprint.



