



Introducing Latching USB Connector

To support the increasingly wide-spread use of the USB standard in Industrial applications, TE Connectivity has added industrial ruggedized connectors to its USB connector family. The Latching USB connectors and cable assemblies add 40 N of retention force to a High Speed (USB 2.0) interconnection and permit attaching or detaching peripherals without power down or reboot.

KEY FEATURES

- 40 N retention force
- Intermateable with existing USB type A receptacles
- Integrated locking mechanism
- USB 2.0 Compliant
- Plug and Play capability
- Available both as a plug kit for customer made cable assemblies as well as pre-made standard length assemblies.

APPLICATIONS

- Human Machine Interface (HMI) - Panels
- Machine Vision
- Printers
- Barcode Readers
- Mass Storage

ELECTRICAL

- Voltage Rating — 30VAC (rms)
- Data Rate – 480Mbits/s

OPERATING EFFICIENCY

The locking mechanism of the latching USB connectors makes industrial applications more reliable: 40 N of retention force make an accidental unplugging less likely to happen. Once the receptacle is designed in, the cable assemblies make it very convenient to use the added benefit of the locking function.

MECHANICAL

- IP 20 protection level
- Operating Temp. -55 °C to +85 °C

STANDARDS AND SPECIFICATIONS

- USB 2.0 compliant
- Product specifications 108-78523
- Application specifications 114-5434

MATERIALS

- Housing - High temperature thermoplastic, UL94V-0, black
- Contact - Brass, gold plated on contact area, nickel underplated
- Shield - Steel, nickel plated, copper underplated

PRODUCT OFFERING

Part Number	Description
2013798-1	Industrial USB Plug Conn Kit
1903814-1	Industrial USB Rec Assy R/A 1Row
1903815-1	Industrial USB Rec Assy R/A 2Row
2083112-2	Cable Assy Ind. USB Type A (1m)
2083112-3	Cable Assy Ind. USB Type A (2m)
2083112-4	Cable Assy Ind. USB Type A (3m)
2083112-5	Cable Assy Ind. USB Type A (5m)

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