



## 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)

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

[te.com/products/Industrial-USB-Connectors](http://te.com/products/Industrial-USB-Connectors)





## Introducing Circular Sealed USB Connector

To support the increasingly wide-spread use of the USB standard industrial applications, TE Connectivity has added industrial ruggedized connectors to its USB connector family. The Circular Sealed USB connector provides the popular High Speed USB standard for outdoor factory-floor and harsh environment applications where regular USB connectors do not offer the required level of ruggedness.

### KEY FEATURES

- IP 67 sealing performance
- 1/4 turn bayonet coupling ring
- Standard A plug and standard B plug
- Through-panel mating receptacles
- Pre-made standard length cable assemblies
- Available in both plastic and metal shell configurations
- USB 2.0 compliant

### APPLICATIONS

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

### ELECTRICAL

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

### OPERATING EFFICIENCY

Circular sealed USB connectors make the popular USB interface available for use-cases with tough environmental requirements. The panel-mount receptacle, for instance, offers a fast ruggedized up-load port that avoids downtime for opening a control cabinet.

### MECHANICAL

- IP 67 protection level
- Operating Temp. -40 °C to +85 °C

### STANDARDS AND SPECIFICATIONS

- USB 2.0 compliant
- Product specifications 108-2318
- Application specifications 114-13211

### MATERIALS

- Housing (Plastic) – High temperature thermoplastic, UL94V-0, black
- Housing (Metal) – Chrome Plated Zinc Die Cast Gasket, UL94 HB, UV Resistant Gasket Material
- Contact – Brass, gold plated on contact area, nickel underplated
- Shield – Steel, nickel plated, copper underplated

### PRODUCT OFFERING

Part Number	Description
1954637-1	Plug Kit, USB Series A
1954640-1	Plug Kit, USB Series B
1954643-1	Recpt Kit, Series A to Series A
1903815-1	Industrial USB Rec Assy R/A 2Row
2058362-1	Plug Kit, USB Series A, Metal Shell
2058363-1	Plug Kit, USB Series B, Metal Shell
2058364-1	Recpt. Kit, Series A to A
2058365-1	Recpt Kit, Series B to A

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

[te.com/products/Industrial-USB-Connectors](http://te.com/products/Industrial-USB-Connectors)

