

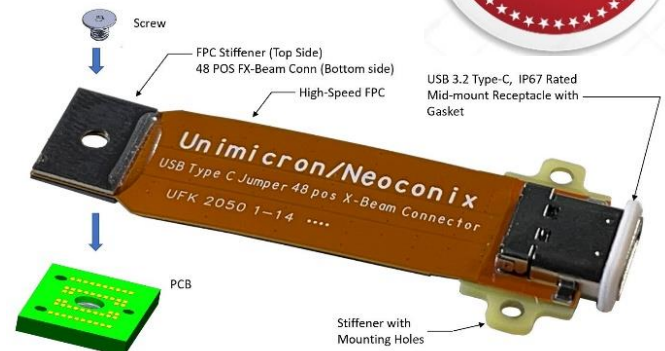
USB 3.2 FPC Bridge Series

Water Resistant USB Type-C High Speed Bridge Assembly



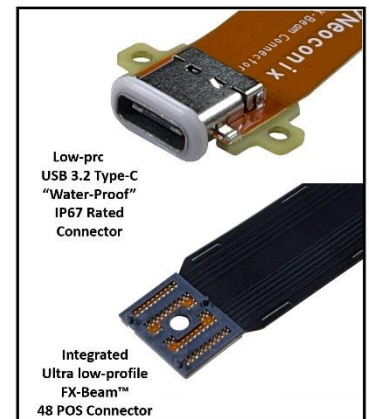
OVERVIEW

The USB 3.2 FPC Bridge is a product developed for mobile devices to allow flexibility for the USB 3.2 Type-C receptacle location or the termination point to the main PC Board. The USB 3.2 FPC Bridge Product line provides a fully tested assembly including a USB 3.2 Type-C receptacle mounted on a high-speed FPC (Flexible Printed Circuit) and a 48 position X-Beam™ ultra-low-profile connector for FPC-to-Board interconnect with all necessary hardware. The standard FPC length is fully compliant with the USB 3.2 Gen2 Type-C Specification for 10Gbps signal speed combined with current capability up to 5 Amps.



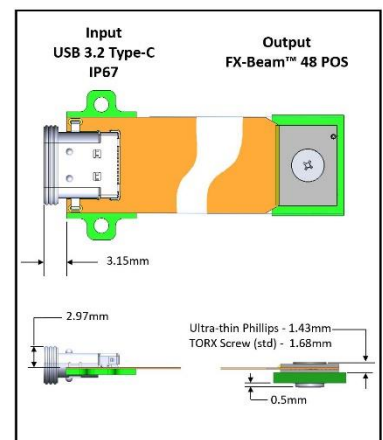
FEATURES

- Complete connector/FPC solution allows reliable and rapid implementation.
- **Solderless** attachment reduces PWB, installation and repair costs.
- Compliant to the USB 3.2 Type-C Specification.
 - ✓ Signal Speed: 10Gbps
 - ✓ Current: 5.0 Amps (max)
 - ✓ **"Water-resistant"** IP67 rated USB 3.2 Type-C Connector
- Optimized design for portable electronics:
 - Input: Low profile - mid-mount USB 3.2 Type-C Receptacle.
 - Bridge: In-house manufactured high-speed FPC.
 - Output: Proven ultra-low profile X-Beam™ 48 Pos. Connector
- Customized lengths possible
- Compliant with ROHS 2011/65/EU and IPC-4101B (halogen-free)



STANDARD PRODUCT FAMILY

Kit Part Number	FPC Length (mm)	PCB Thickness (mm)	SMT Nut Part Number	Std. Screw Part Number
U31CA-FX048F050MA	50	0.60-1.00	B01-000633	B01-000799 L = 2mm
		1.0-1.6	B01-000654	B01-000800 L = 3mm
		1.6-2.6		B01-000801 L = 4mm
		2.6-4.0		B01-000802 L = 5mm



FOR MORE INFORMATION

Neoconix, Inc., 4020 Moorpark Ave, #108., San Jose, CA 95117 Web: www.neoconix.com E: sales@neoconix.com P: 408.530.9393