

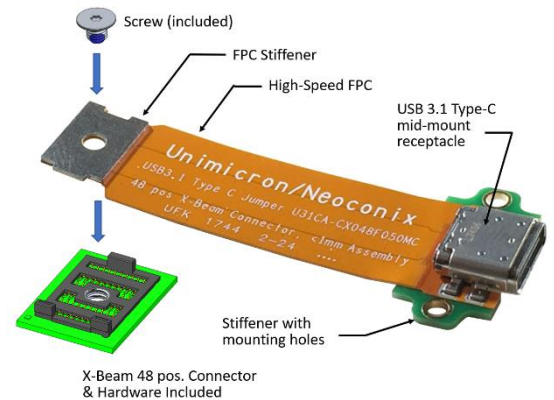
USB 3.1 FPC Bridge Series

USB 3.1 Type-C High Speed FPC Bridge Assembly



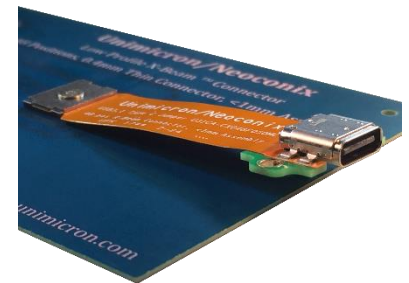
OVERVIEW

The USB3.1 FPC Bridge is a product developed for mobile devices to allow flexibility for the USB 3.1 Type-C receptacle location or the termination point to the main PC Board. The USB 3.1 FPC Bridge Product line provides a fully-tested assembly encompassing a USB3.1 Type-C receptacle, mounted on a high-speed FPC (Flexible Printed Circuit) with stiffener, a 48 position X-Beam™ ultra-low-profile connector for FPC-to-Board interconnect, and required hardware. The standard FPC lengths are fully compliant with the USB 3.1 Type-C Specification for Gen 2 USB 10Gbps signal speed combined with current capability up to 5 Amps.



FEATURES

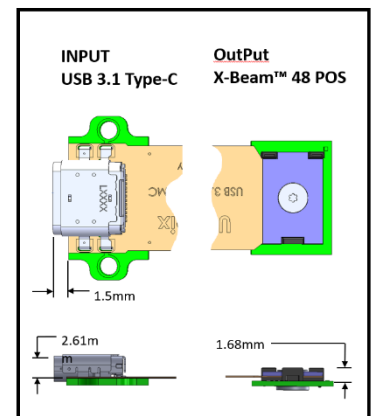
- Complete Connector/FPC solution allows reliable and rapid implementation.
- Integrated Jumper Solution reduces PWB, Installation and Repair Costs
- Compliant to the USB3.1 Type C Specification.
 - ✓ Signal Speed: 10Gbps
 - ✓ Current: 5.0 Amps (max)
- Optimized Design for portable electronics:
 - Input: Low profile - mid-mount USB 3.1 Type C Receptacle.
 - Bridge: In-house manufactured high-speed FPC.
 - Output: Proven ultra-low Profile X-Beam™ 48 Pos. Connector
- Customization Solutions Possible
- Compliant with ROHS 2011/65/EU and IPC-4101B (halogen-free)



STANDARD PRODUCT FAMILY

Kit Part Number ^{1,2}	FPC Length (mm)	PCB ³ Thickness (mm)	Nut Part Number	Screw Part Number ²
U31CA-FX048F050MA	50	0.60 to 1.00	B01-000633 M2.0 x 0.25 Thread	B01-000662 M2.0 x 0.25 L = 2.0mm
U31CA-FX048F080MA	80			
U31CA-FX048F100MA	100			
U31CA-FX048F120MA	120			
U31CA-CX048F050MA	50	1.00 to 1.60	B01-000654 M2.0 x 0.40 Thread	B01-000661 M2.0 x 0.40 L = 3.0mm
U31CA-CX048F080MA	80			
U31CA-CX048F100MA	100			
U31CA-CX048F120MA	120			

- Standard Kit includes X-Beam™ Connector, FPC, USB 3.1 Type-C receptacle and nut (screw not included).
- Kits may be ordered with screw by adding "-2mm" or "-3mm" to Kit Part Number, e.g. U31CA-CX048F050MA-2mm
- Kits are available for PCB thickness to 4.00 mm, see USB 3.1 Application Specification (AS00024).



FOR MORE INFORMATION

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