

From A to C for USB

Würth Elektronik - your only partner for USB solutions!



Portfolio of Connector

USB 2.0	USB 3.0	USB 3.1
Type A	Type A	Type A
Type B	Type B	Type C
Mini	Micro	Plug Type C
Micro	Plug Type A	
Plug Type A		

Check out the complete Portfolio online with all subtypes and technical details
www.we-online.com/wr-com

USB 3.1 Type C Power Delivery Kit

- Power supply up to 100 watts
- Plug & Play solution
- Complete solution consisting of 40 W source, 100 W source and 100 W sink
- 5 A cable and power supply included
- No firmware development required
- Flexible and modular approach for fast integration in your product design
- Applications:
 - Industrial
 - Consumer Electronics
 - Battery powered devices

100 W Sink board

40 W Source

More information about the USB 3.1 Type A PD Kit
we-online.com/typec-devkit

Technical Documentation & Services

Trilogy of Magnetics

5th extended and revised edition

The Chapters:

- Basic Principles
- Components
- Applications

we-online.com/trilogyofmagnetics

Trilogy of Connectors

3rd extended and revised edition

The Chapters:

- Basic Principles
- Design / Selection / Assembly
- Applications

we-online.com/trilogyofconnectors

Recorded Webinars

- [USB 3.1 C - Technical Analysis and Design Tips](#)
- [USB 3.1 – a versatile connection system for multiple applications](#)
- [Derating for connectors – What do I have to consider?](#)
- [USB-C "from layout to production"](#)

Our technical guidelines are also available as E-Book we-online.com/ebook

Filter Solutions

USB 3.1 Type C Filter Solution

WE-CNSW
SMT Common Mode Line Filter

WE-CNSW HF
SMT Common Mode Line Filter

WE-CMGP
Multilayer Ceramic Chip Capacitor

WE-MPSB
EMI Multilayer Power Suppression Bead

WE-MAPI
SMT Power Inductor

WE-CBF
SMT EMI Suppression Ferrite Bead

CMC USB 2.0

ESD USB 2.0
WE-TVS
TVS Diode High Speed Series

ESD USB 3.0
WE-TVS
TVS Diode Super Speed series

Power Filter // ESD

Attenuation (dB) vs Frequency (1 kHz to 100 GHz)

— 100 W // 20 V // 5 A — 60 W // 20 V // 3 A

Simulated attenuation of the power line filter rated for 60 W and 100 W in comparison

More technical information about our filter solutions
www.we-online.com/FilterSolutions

Also available in other variants

USB 2.0 Type A Filter Solution

- For Dataspeed up to 480 Mbps
- Upto 2.5 W (500 mA @ 5 V)

USB 3.0 Type A Filter Solution

- For Dataspeed up to 5 Gbps
- Upto 4.5 W (900 mA @ 5 V)

Würth Elektronik offers all products needed for any USB application
www.we-online.com/USB