Product Name: **ZX230CPD USB type C Power Delivery module**

Product Description: USB Type C Power Delivery module. **ZX230CPD** USB type C power delivery module is designed for full USB 3.1 Gen1 (2.5GHz) and Gen2 (5.0GHz) SuperSpeed bandwidth.

The ZX230CPD USB type C Power Delivery module is designed supporting 12GHz electrical performance with insertion loss < 4dB @5GHz

.

The ZX230CPD USB type C Power Delivery module supports full USB SuperSpeed Gen1 (2.5GHz, Gen2 (5GHz) and future 20Gpbs (10GHz) bandwidth.

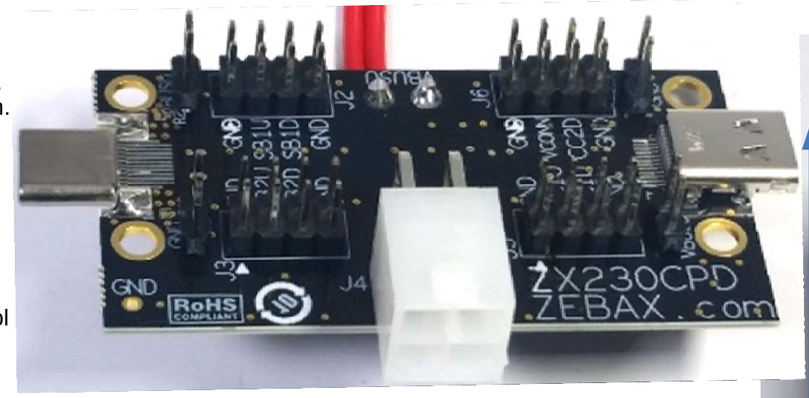
ZX230CPD Type C Power Delivery module includes both USB type C **plug** and **receptacle** along with full power measurement cable assembly and access to all control signals via onboard headers:

1- ZX230CPD-PRMCA
2- ZX230CPD-PRDCA

Standard 0.1" (2.54mm) pitch headers offering combination of settings on SBU1, SBU2, CC1, CC2, VCON.

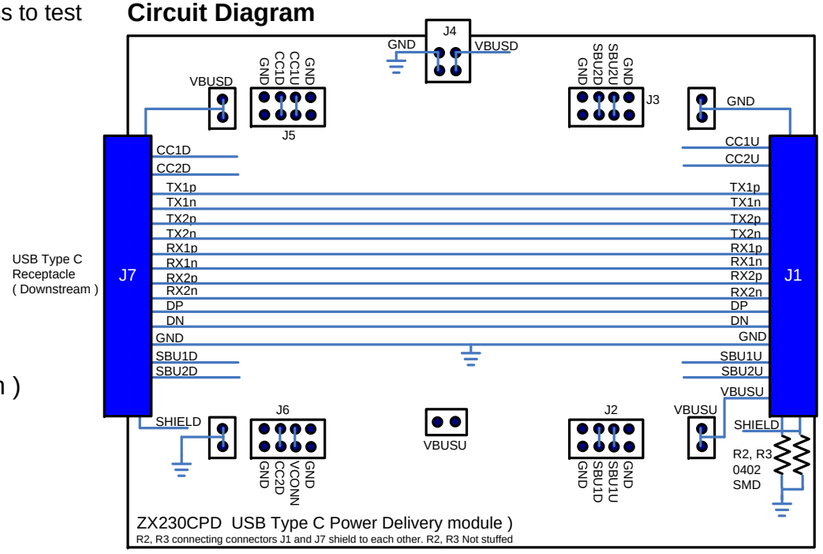
Available VBUSD (VBUS DownStream) and VBUSU (VBUS UpStream) via 2 pin headers for access to test equipment.

Available 2 GND test points where each is test point is a 2x1 header - access to test equipment.

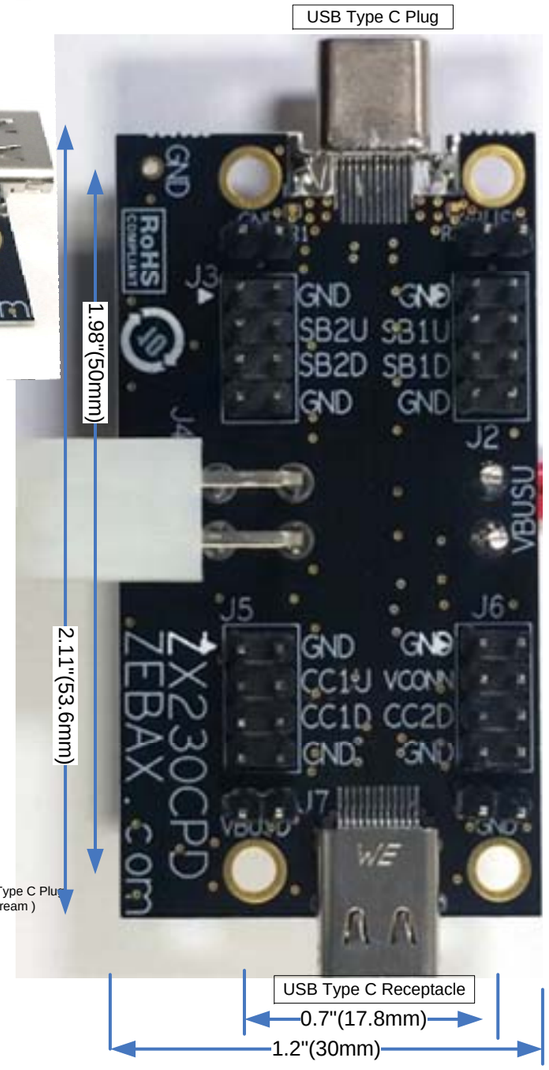


See Page 2 for more data

Circuit Diagram



ZX230CPD USB Type C Power Delivery module)
R2, R3 connecting connectors J1 and J7 shield to each other. R2, R3 Not stuffed



Ordering INFO:
Part Number ZX230CPD

Note

ALL ZEBAX products are **RoHS** compliant and **Lead Free** unless otherwise indicated.

Application: Full USB 3.x type C power delivery – USB type C interface test and debug

Supported bandwidth: Supporting SuperSpeed Gen1 (2.5GHz) SuperSpeed Gen2 (5GHz) and future 20Gbps (10GHz) bandwidth.

Mates with : USB Type C **Plug** connector.
USB Type C Socket (Receptacle)
Standard header 0.1" (2.54mm) pitch with post header length 0.23" (5.83mm) mating with 0.025" (0.63mm) SQ pin socket

Test procedure: ZXAN-USB-PowerDelivery-Procedure
application note provides USB test procedure.

Test Record: coming soon

Package includes:

Item	Part number	Quantity	Description
1	ZX230CPD	1	USB Type C Power Delivery module
2	ZX230CPD-PRMCA	1	USB Type C Power measurement cable assembly
3	ZX230CPD-PRDCA	1	USB Type C Wire assembly – interfacing ZX230CPD
4	ZX230CP	0	USB Type C Plug electrical test module
5	ZX230CR	0	USB Type C Receptacle test module
6	ZX00WT-09NM	0	SMA Wrench Torque 5/16" (8mm)

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WWW.ZEBAX.COM

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ASSEMBLY DRAWING

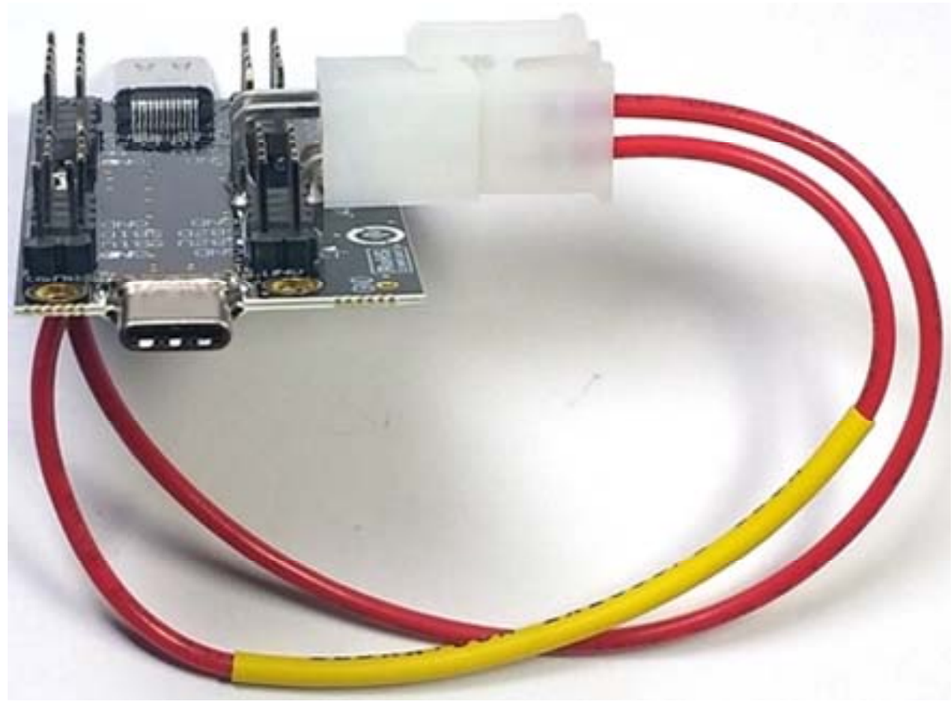
ITEM: ZX230CPD

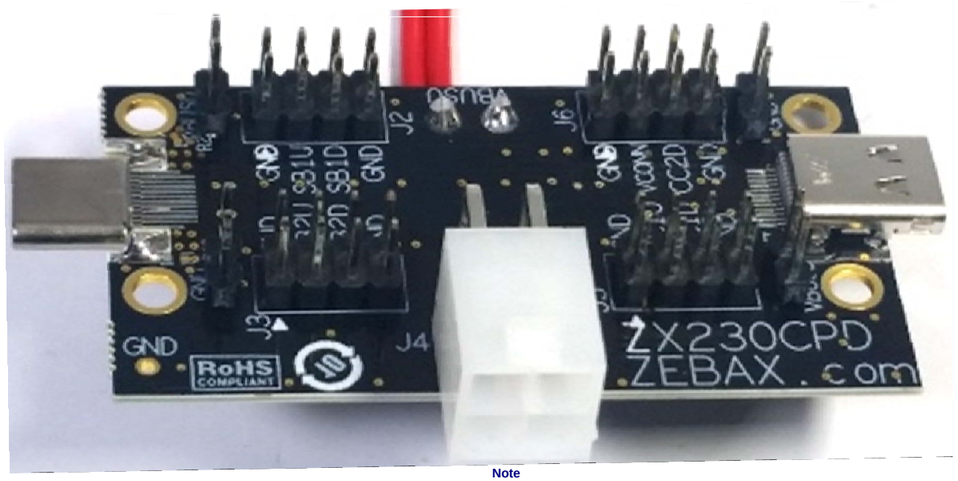
DESCRIPTION: USB Type C Power Delivery module

CHECKED:	DRAWN:	REVISSION: 1.0
M. MARINA	SLAVIK	SHEET: 1 OF 2

Product Name: **ZX230CPD USB type C Power Delivery module, Cont's**

Cable assembly: ZX230CPD USB Type C Power Delivery module includes 2 cable assemblies. ZX230CPD-PRMCA and ZX230CPD-PRDCA. They are designed mating with external test equipment and onboard connector J4 of ZX230CPD.





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ROHS COMPLIANT

ASSEMBLY DRAWING

ITEM: ZX230CPD

DESCRIPTION: USB Type C Power Delivery module

CHECKED:	DRAWN:	REVISSION: 1.0
M. MARINA	SLAVIK	SHEET: 2 OF 2