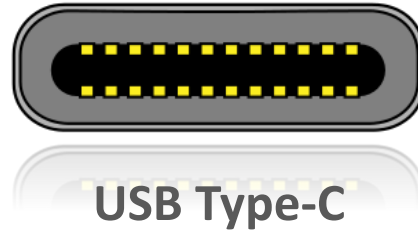




# USB-C Power Delivery & DP Alt Mode Testing

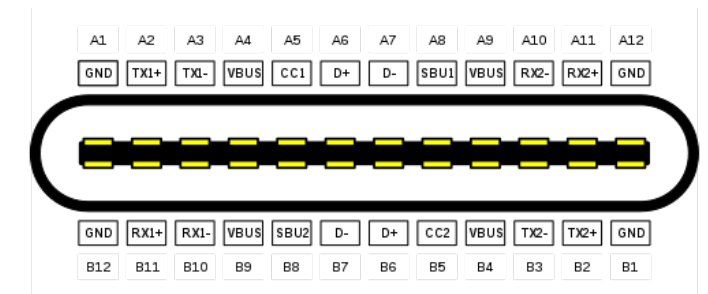
With UCD-340

# Data, Power and Display in One Interface

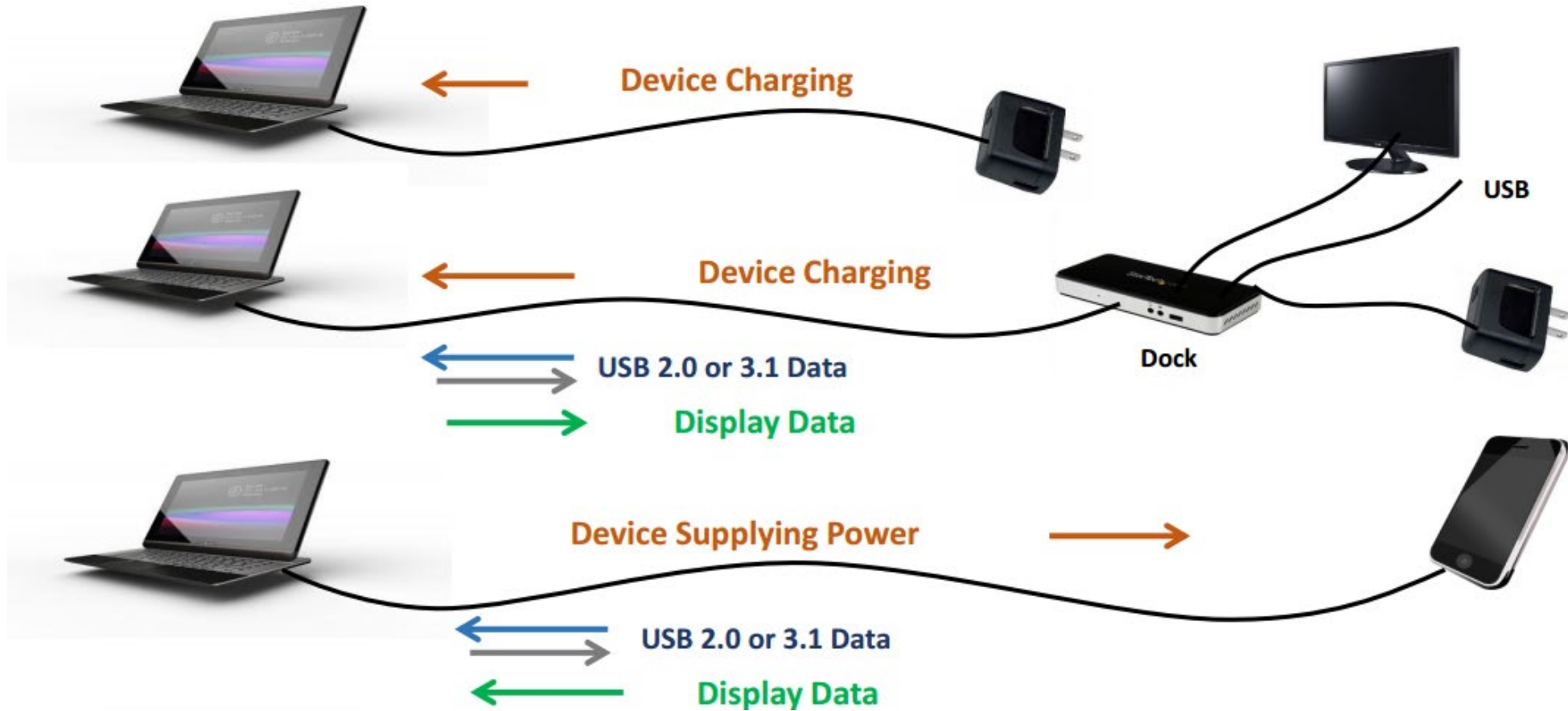


# Key Features in USB-C

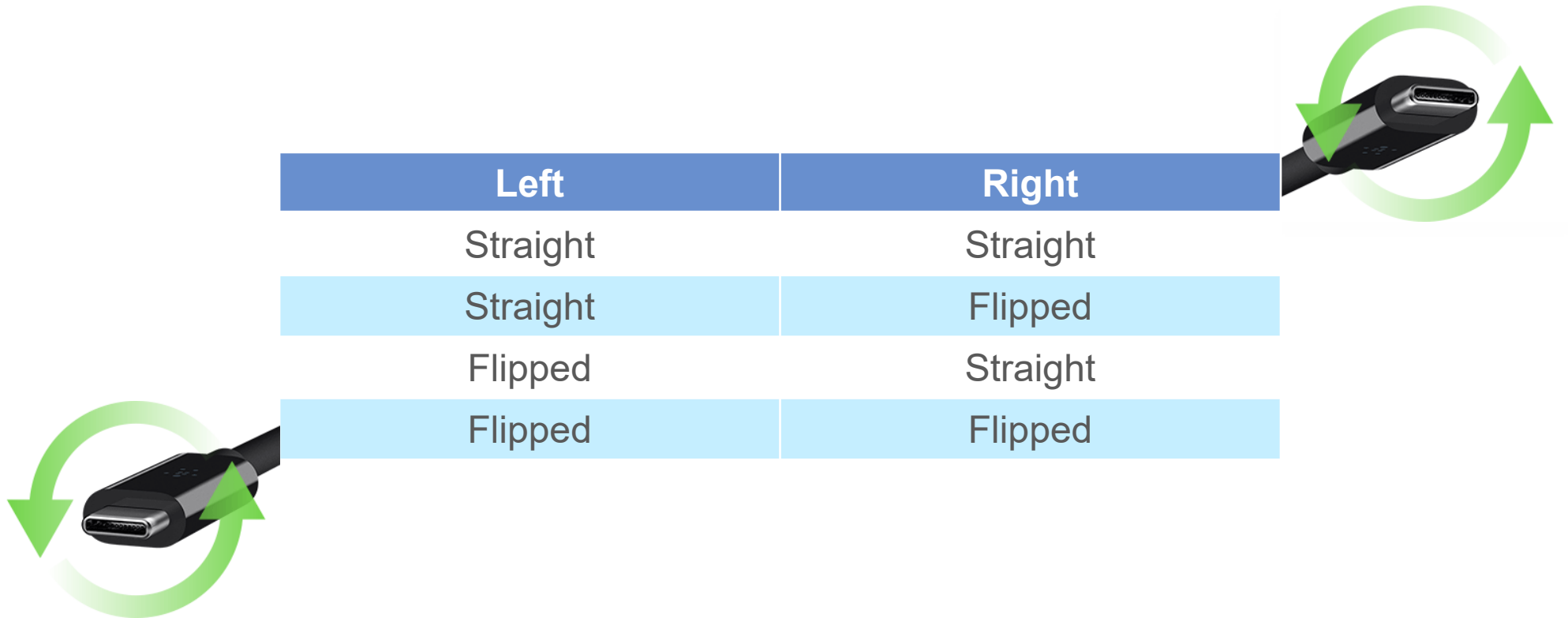
- Small size to match the connected products
- Usability enhancements
  - ✓ Reversible plug orientation & cable direction
  - ✓ Supports scalable power charging
- Same port can supports various data & power
- Future Scalability
  - ✓ Designed to establish future USB performance needs
  - ✓ Alternate modes to expose additional interfaces



# USB Type-C Power Delivery



# USB-C Connections



# UCD-340



## UCD-340

USB Type-C DP Alt Mode tester\*



## UCD-340

USB Type-C DP Alt Mode tester  
with  
Electrical Test\*



External USB-C Power Test  
Unit for UCD-340\*

\*) Please find description of the products below

# Test Cases vs. Product Type

Test Cases		Example Product Type
DP Alt Mode Role	Data Role	
DP Source	DFP	Laptop and desktop PC
DP Source	UFP	Mobile phone, action camera, drone
DP Sink	UFP	Monitor with USB hub, Protocol adapter, VR head-set
DP Sink	DFP	TV

# Test Setup Example: Mobile Phone



## UCD-340

USB Type-C DP Alt Mode tester  
with [Electrical Test\\*](#)



## Basic TSI API Software

(Included in UCD-340 default  
configuration)

Prod #: 066515

# Test Setup Example: Laptop Computer



## UCD-340

USB Type-C DP Alt Mode tester  
with **Electrical Test\***



&

## Basic TSI API Software

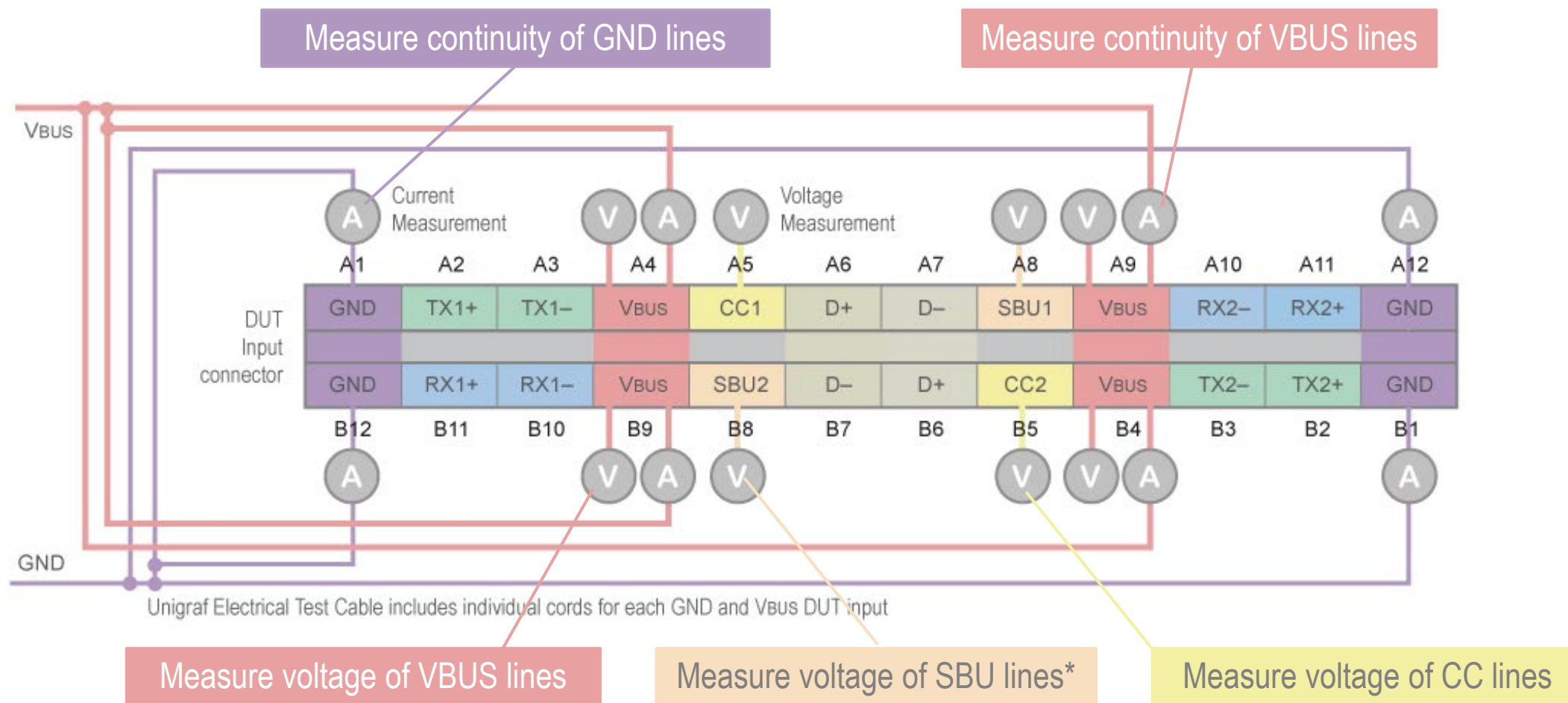
(Included in UCD-340 default  
configuration)



**External USB-C  
Power Test Unit  
for UCD-340**

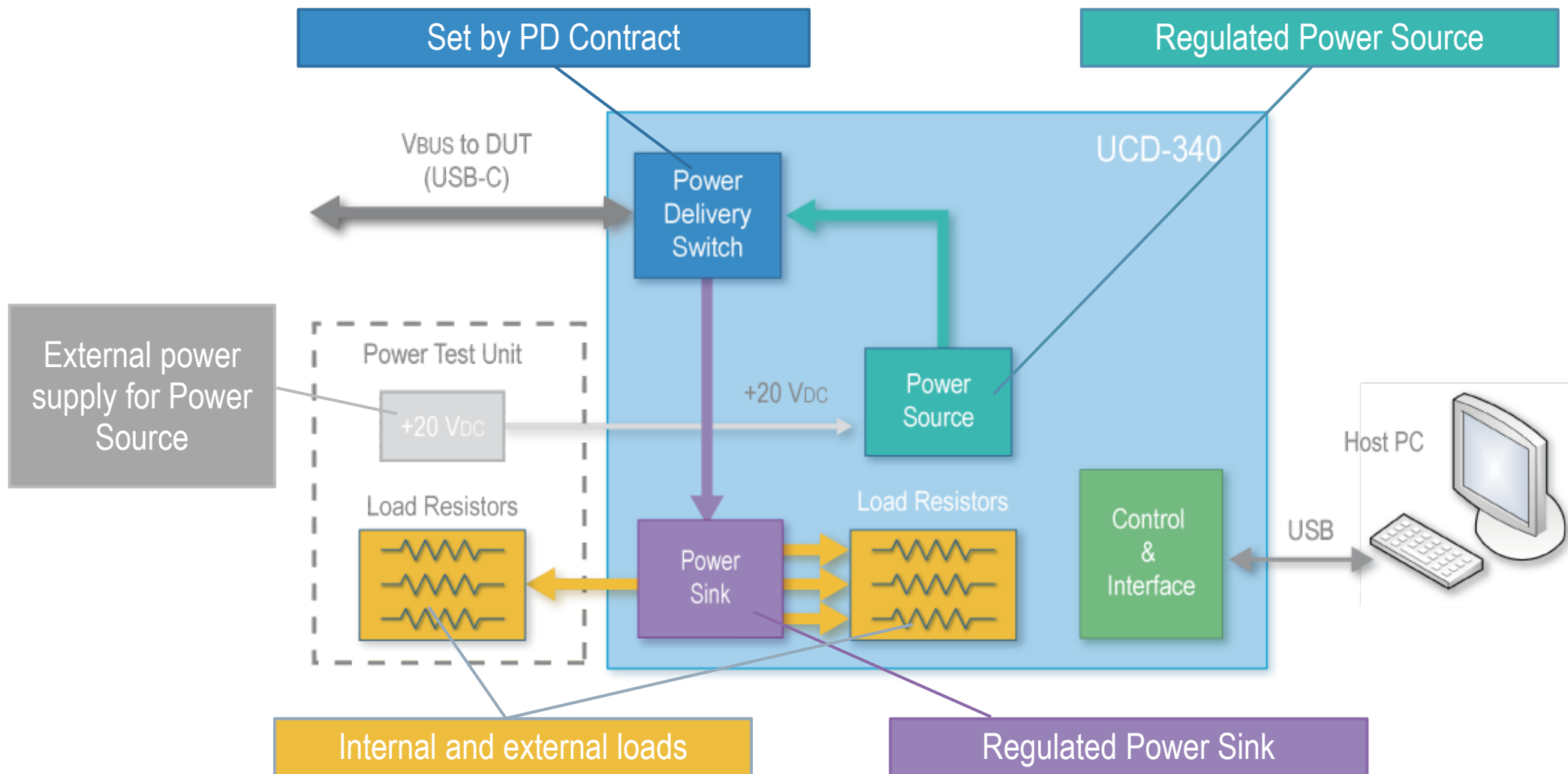
Prod #: 066515 + 066522

# USB-C Electrical Testing



\*) Full functionality measured in modes where SBU lines are operational

# Unigraf USB-C Power Test



Thank You!



[www.unigraf.fi](http://www.unigraf.fi)  
[www.unigraf-china.cn](http://www.unigraf-china.cn)  
[info@unigraf.fi](mailto:info@unigraf.fi)