

# USB 3.2 Gen2 Type-C to Type-C AOC



## ► Features

- USB3.2 Gen 2 and Gen 1 hybrid active optical cables
- Transports 5 Gbps or 10 Gbps in each direction
- Include a programmable E-Marker IC
- AOC hybrid cable with 5mm bend radius
- Supports USB 2.0
- Supports 60W (20V, 3A) fast charging for device

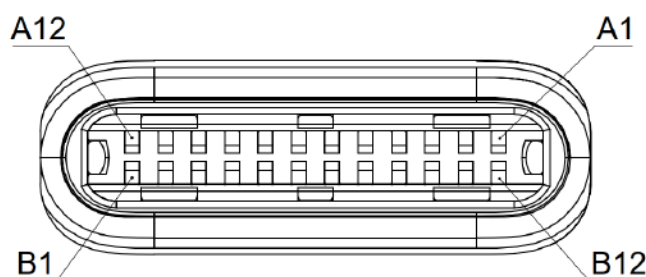
## ► Applications

- USB3.2 Gen2 (10Gbps) and USB3.2 Gen1 (5Gbps) hybrid active optical cables

## ► Absolute Maximum Ratings

Parameter	Symbol	Min.	Typical	Max.	Unit	Notes
Supply voltage	VCONN	-	-	-	V	USB3.2 compliant
Storage temperature	T <sub>STG</sub>	-20	-	70	°C	
Storage humidity	RH <sub>STG</sub>	-	-	65	%	
ESD	V <sub>ESD</sub>	2.0	-	-	kV	HBM; 100pF, 1.5kΩ

## ► Mechanical Dimensions



Pin number	Function	Pin number	Function
A1	GND	B1	GND
A2	TX1+	B2	-
A3	TX1-	B3	-
A4	V <sub>BUS</sub>	B4	V <sub>BUS</sub>
A5	CC	B5	VCONN
A6	D+	B6	-
A7	D-	B7	-
A8	-	B8	-
A9	V <sub>BUS</sub>	B9	V <sub>BUS</sub>
A10	-	B10	RX-
A11	-	B11	RX+
A12	GND	B12	GND