



USB4™

USB4 Type C introduction



Revision	Issue Date	Brand Name	Bits/sec	Package Logo	Port & Cable Logo	USB-C® Trident Charging Logo
USB 1.0	Jan 1996	Low Speed Full Speed	1.5 Mbps 12 Mbps			
USB 1.1	Aug 1998	Full Speed With updated	1.5 Mbps 12 Mbps			
USB 2.0	April 2000	High Speed	480 Mbps			
USB 3.0 USB 3.2 Gen 1x1	Nov 12, 2008	SuperSpeed USB 5Gbps	5 Gbps			
USB 3.1 USB 3.2 Gen 2x1	July 26, 2013	SuperSpeed USB 10Gbps	10 Gbps			
USB 3.2 USB 3.2 Gen 2x2	Sep 22, 2017	SuperSpeed USB 20Gbps	20 Gbps			
USB4 USB4 Gen 2x2	Sep 3, 2019	USB4™ 20Gbps	20 Gbps			
USB4 USB4 Gen 3x2	Sep 3, 2019	USB4™ 40Gbps	40 Gbps			



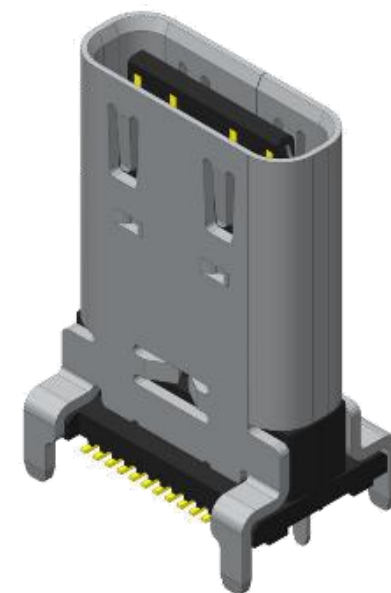
P/N	Description	TID No.
57988-0240D-001	USB4 USB Type C Receptacle Conn.Top-mount type,CH=2.2mm	4756
31893-0247D-002	USB4 USB Type C Receptacle Conn.Vertical type,H=13.3mm	4826

Features

- Voltage : 48 Volts AC
- Current : 5A
- Operating Temperature : -40°C to +85°C
- Contact Resistance : 50mΩMax
- Insulation Resistance : 100MΩMin
- Application : NB/DT/AIO/Smartphone
- High Speed : **USB4™** Gen3 40Gbps



57988



31893

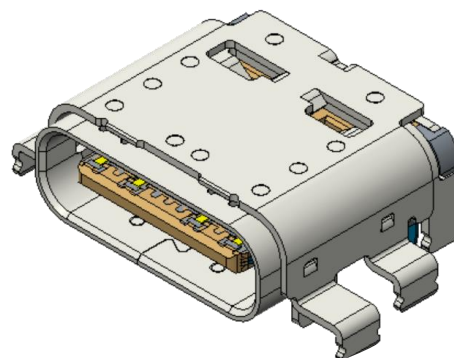




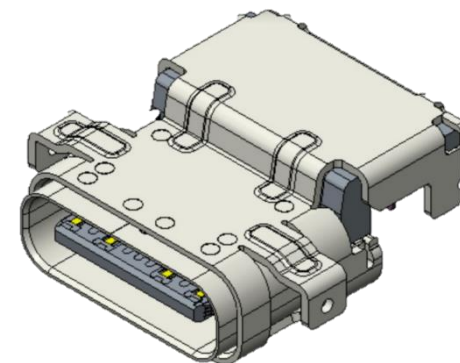
P/N	Description	TID No.
31863-0240D-001	USB4 USB Type C Receptacle Conn.Top-mount type,CH=1.58mm	5341
31864-0240D-001	USB4 USB Type C Receptacle Conn.Mid-mount type,CH=-1.22mm	5592

Features

- Voltage : 48 Volts AC
- Current : 9A(31863) 、 8A(31864)
- Operating Temperature : -40°C to +85°C
- Contact Resistance : 50mΩMax
- Insulation Resistance : 100MΩMin
- Application : NB/DT/AIO/Smartphone
- High Speed : **USB4™** Gen3 40Gbps



31863



31864



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Cable & Connector Contacts

Contact the following companies for information on how to get cables and connectors. Contact information & part numbers are available by clicking on the company name below to expand the selection.

▲ ACES Electronics Co.,Ltd Contact

Contact the following representative for information on how to get connectors:

Global Contact

Sam Wang
ACES Electronics Co.,Ltd
(o) +886-3-463-2808
sam_wang@acesconn.com

Thunderbolt 4 Connector Part #	Description
57988-0240D-001 Rev. A	USB 4 Type-C Receptacle Conn. Top-mount type

Developers Area

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THUNDERBOLT™ 4 CABLES & CONNECTORS

Click below to download a PDF with the latest certified Thunderbolt™ 4 Cables & Connectors available.



Thunderbolt™ 4 Certified Connectors Part #'s

Vendor	Part Number	Description
ACES	57988-0240D-001 Rev. A	USB 4 Type-C Receptacle Conn. Top-mount type
ACON	NEW36-BK5100	USB4 Type-C Gen 3 Full Feature Plug
ACON	NES21-AK5V20 Rev. 0	USB 4 Type C Receptacle Conn. Vertical Type
ACON	NER23-AK5V20	USB 4 Type-C Gen 3 Full Feature Receptacle Top Mount CH= 1.6mm
Amphenol	GSB4D313302Y1HR	Type-C Receptacle Connector
Argosy	UCF3T-4TN	USB 4 Type-C Receptacle Connector Mid-Mount, Dual Row SMT, CH 1.57mm
Argosy	FM6/UCF3M-62	USB 4 Type-C Receptacle Connector Mid-Mount, Dual Row SMT, CH 0.47mm
Drapho Electronics	UB11247-A600C-1H	USB4 Type-C CH-0.64mm Dual Row SMT Receptacle Connector
Foxconn Interconnect Technology	UT12113-1160H-7H	USB4 USB Type-C Receptacle Connector (Dual Row SMT Type)
Foxconn Interconnect Technology	UT12113-1160H-7H	USB4 USB Type-C Receptacle Connector



ID	TID	Device	Model/Part Number	Company	Test Lab	Status	Submit to Test Lab	Test Results
42742	5592	USB4 Gen3 USB Type-C Receptacle Conn. Top-mount type(CH=1.22mm)	31864-0240D-001	Aces Electronics Co., Ltd.	Allion Labs, Inc. - Taiwan	Pass		Test Results TID: 5592 Panel: USB-C Receptacle (USB4 Gen 3) Update product display dates
42688	5341	USB4 Gen3 USB Type-C Receptacle Conn. Top-mount type(CH=1.58mm)	31863-0240D-001	Aces Electronics Co., Ltd.	Allion Labs, Inc. - Taiwan	Pass		Test Results TID: 5341 Panel: USB-C Receptacle (USB4 Gen 3) Update product display dates
41461	4826	USB4 USB Type-C Receptacle Conn. Vertical type	31893-0247D-002	Aces Electronics Co., Ltd.	UL LLC	Pass		Test Results TID: 4826 Panel: USB-C Receptacle (USB4 Gen 3) Update product display dates
41460	4756	USB4 USB Type-C Receptacle Conn. Top-mount type	57988-0240D-001	Aces Electronics Co., Ltd.	Allion Labs, Inc. - Taiwan	Pass		Test Results TID: 4756 Panel: USB-C Receptacle (USB4 Gen 3) Update product display dates