



TEST REPORT EN IEC 62680-1-3

Universal serial bus interfaces for data and power – Part 1-3: Common components – USB Type-C® Cable and Connector Specification

Report Number.....: LCSA04285030S

Date of issue.....: 2025-06-10

Total number of pages.....: 20

Applicant's name.....: Shenzhen Huafurui Technology Co., Ltd.

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Test specification:

Standard.....: EN IEC 62680-1-3:2025

Test procedure.....: Type test

Non-standard test method.....: N/A

Test Report Form No.....: TRF-4-S-410 A/1

Test Report Form(s) Originator.....: LCS

Master TRF.....: Dated 2025-02

General disclaimer:

The test results presented in this report relate only to the object tested.

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Test item description.....: Smartphone

Trade Mark.....: CUBOT

Manufacturer.....: Same as the Applicant

Model/Type reference.....: NOTE 60

Ratings.....: By Li-ion Battery



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**Testing procedure and testing location:**

Testing location/ address.....: Shenzhen LCS Compliance Testing Laboratory Ltd.
Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Tested by.....: Cassie Ling / Test
engineer

Checked by.....: Tim Liu / Project
engineer

Approved by.....: Hart Qiu / Technical
manager

List of Attachments (including a total number of pages in each attachment):

Annex A: Test data

Annex B: Photo documentation

Summary of testing:**Tests performed (name of test and test clause):**

The submitted samples were found to comply with the requirements of:

Type-C Functional Testing**Testing location:**

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Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Copy of marking plate: N/A



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Test item particulars:	
USB Type-C Receptable in equipment.....	<input checked="" type="checkbox"/> Full-Featured Type-C receptacle <input type="checkbox"/> USB 2.0 Type-C receptacle (16 pins) <input type="checkbox"/> Others:
USB PD supported	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No
USB cable type	<input type="checkbox"/> Provided <input type="checkbox"/> Type A to C <input type="checkbox"/> Type C to C <input checked="" type="checkbox"/> Not provided
Possible test case verdicts:	
- test case does not apply to the test object..... : N/A	
- test object does meet the requirement..... : P (Pass)	
- test object does not meet the requirement..... : F (Fail)	
Testing:	
Date of receipt of test item..... : 2025-04-28	
Date (s) of performance of tests..... : From 2025-04-28 to 2025-06-06	
General remarks:	
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.	
Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies).....	Same as the Manufacturer



**General product information:**

1. The EUT is Bluetooth speaker with light, The EUT has one type C receptacle for being charged.
2. The type-C receptacle was separately tested according to 'Universal Serial Bus Type-C Connectors and Cable Assemblies Compliance Document Revision', which fulfils the requirements of EN IEC 62680-1-3: 2022. (See critical components for details).
3. The Type-C receptacle is 24 pins as below figure:

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE: Critical components information

Object/ Part No.	Manufacturer / Trademark	Type/Mode I	Technical Data	Standard	Mark (S) Of Conformity
Type-C receptacle	Hong Ri Da Technology Company limited	UC119-0B1502R0	Type-C receptacle 24pin	Universal Serial Bus Type-C Cable and Connector Specification	Report Number:25T04N000300-001-COM USB-IF: TID 13249
Rechargeable Li-ion battery	Shenzhen Huafului Technology Co., Ltd	C62	3.91V d.c, 7000mAh, 27.37Wh	IEC 62133-2 EN 62133-2	Report Number: TCT250417B013





EN IEC 62680-1-3			
Clause	Requirement + Test	Result - Remark	Verdict
2	Overview		P
2.1	Introduction		P
2.2	USB Type-C Receptacles, Plugs and Cables	Approved 24-pin type-C receptacle used, see Critical components for details	P
2.3	Configuration Process	Type-C Functional Test in Annex A.	P
2.3.1	Source-to-Sink Attach/Detach Detection		P
2.3.2	Plug Orientation/Cable Twist Detection		P
2.3.3	Initial Power (Source-to-Sink) Detection and Establishing the Data (Host-to-Device) Relationship		P
2.3.4	USB Type-C VBUS Current Detection and Usage		P
2.3.5	USB PD Communication		N/A
2.3.6	Functional Extensions		N/A
2.4	V _{BUS}	Default USB power level, 1.5A and 3A considered.	P
2.5	V _{CONN}		N/A
2.6	Hubs		N/A
3	Mechanical		P
3.1	Overview		P
3.1.1	Compliant Connectors		P
3.1.2	Compliant Cable Assemblies		N/A
3.1.3	Compliant USB Type-C to Legacy Cable Assemblies		N/A
3.1.4	Compliant USB Type-C to Legacy Adapter Assemblies		N/A
3.2	USB Type-C Connector Mating Interfaces	Approved receptacle used, see Critical components for details	P
3.2.1	Interface Definition		P
3.2.2	Reference Designs		P
3.2.3	Pin Assignments and Descriptions		P
3.3	Cable Construction and Wire Assignments		N/A
3.3.1	Cable Construction (Informative)		N/A
3.3.2	Wire Assignments		N/A
3.3.3	Wire Gauges and Cable Diameters (Informative)		N/A
3.4	Standard USB Type-C Cable Assemblies		N/A
3.4.1	USB Full-Featured Type-C Cable Assembly		P
3.4.2	USB 2.0 Type-C Cable Assembly		N/A





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Clause	Requirement + Test	Result - Remark	Verdict
3.4.3	USB Type-C Captive Cable Assemblies		N/A
3.4.4	USB Type-C Thumb Drive Assemblies		N/A
3.5	Legacy Cable Assemblies		N/A
3.5.1	USB Type-C to USB 3.1 Standard-A Cable Assembly		N/A
3.5.2	USB Type-C to USB 2.0 Standard-A Cable Assembly		N/A
3.5.3	USB Type-C to USB 3.1 Standard-B Cable Assembly		N/A
3.5.4	USB Type-C to USB 2.0 Standard-B Cable Assembly		N/A
3.5.5	USB Type-C to USB 2.0 Mini-B Cable Assembly		N/A
3.5.6	USB Type-C to USB 3.1 Micro-B Cable Assembly		N/A
3.5.7	USB Type-C to USB 2.0 Micro-B Cable Assembly		N/A
3.6	Legacy Adapter Assemblies		N/A
3.6.1	USB Type-C to USB 3.1 Standard-A Receptacle Adapter Assembly		N/A
3.6.2	USB Type-C to USB 2.0 Micro-B Receptacle Adapter Assembly		N/A
3.7	Electrical Characteristics		N/A
3.7.1	Raw Cable (Informative)		N/A
3.7.2	USB Type-C to Type-C Passive Cable Assemblies (Normative)		N/A
3.7.3	Mated Connector (Informative - USB 3.2 Gen2 and USB4 Gen2)		N/A
3.7.4	Receptacle Connector SI Requirements and Testing (Normative-USB4 Gen3)		N/A
3.7.5	USB Type-C to Legacy Cable Assemblies (Normative)		N/A
3.7.6	USB Type-C to USB Legacy Adapter Assemblies (Normative)		N/A
3.7.7	Shielding Effectiveness Requirements (Normative)		N/A
3.7.8	DC Electrical Requirements (Normative)	Approved connector used	N/A
3.8	Mechanical and Environmental Requirements	Approved receptacle used, see Critical components for details	N/A
3.8.1	Mechanical Requirements		N/A
3.8.2	Environmental Requirements		N/A
3.9	Docking Applications (Informative)		N/A



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Clause	Requirement + Test	Result - Remark	Verdict
3.10	Implementation Notes and Design Guides	Approved receptacle used, see Critical components for details	N/A
3.10.1	EMC Management (Informative)		N/A
3.10.2	Stacked and Side-by-Side Connector Physical Spacing (Informative)		N/A
3.10.3	Cable Mating Considerations (Informative)		N/A
	Extended Power Range (EPR) Cables		N/A
	Electrical Requirements		N/A
	EPR Cable Identification Requirements		N/A
4	Functional		P
4.1	Signal Summary		--
4.2	Signal Pin Descriptions		--
4.2.1	SuperSpeed USB Pins		P
4.2.2	USB 2.0 Pins		N/A
4.2.3	Auxiliary Signal Pins		N/A
4.2.4	Power and Ground Pins		P
4.2.5	Configuration Pins		P
4.3	Sideband Use (SBU)		N/A
4.4	Power and Ground		P
4.4.1	IR Drop		N/A
4.4.2	V _{BUS}		P
4.4.3	V _{CONN}		N/A
4.5	Configuration Channel (CC)	Type-C Functional Test in Annex A.	P
4.5.1	Architectural Overview		P
4.5.2	CC Functional and Behavioral Requirements		P
4.5.3	USB Port Interoperability Behavior		P
4.6	Power	Type-C Functional Test in Annex A.	P
4.6.1	Power Requirements during USB Suspend		P
4.6.2	V _{BUS} Power Provided Over a USB Type-C Cable		P
4.7	USB Hubs		N/A
4.8	Power Sourcing and Charging		P
4.8.1	DFP as a Power Source		P
4.8.2	Non-USB Charging Methods		N/A
4.8.3	Sinking Host		N/A
4.8.4	Sourcing Device		P



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Clause	Requirement + Test	Result - Remark	Verdict
4.8.5	Charging a System with a Dead Battery		P
4.8.6	USB Type-C Multi-Port Chargers		N/A
4.9	Electronically Marked Cables		N/A
4.9.1	Parameter Values		N/A
4.9.2	Active Cables		N/A
4.10	V _{CONN} -Powered Accessories (VPAs) and V _{CONN} -Powered USB Devices (VPDs)		P
4.10.1	V _{CONN} -Powered Accessories (VPAs)		P
4.10.2	V _{CONN} -Powered USB Devices (VPDs)		P
4.11	Parameter Values		P
4.11.1	Termination Parameters		P
4.11.2	Timing Parameters		P
4.11.3	Voltage Parameters		P
5	USB4 Discovery and Entry		N/A
5.1	Overview of the Discovery and Entry Process	Not USB4	N/A
5.2	USB4 Functional Requirements		N/A
5.2.1	USB4 Host Functional Requirements		N/A
5.2.2	USB4 Device Functional Requirements		N/A
5.2.3	USB4 Alternate Mode Support		N/A
5.2.3.1	USB4 Alternate Mode Support		N/A
5.2.3.2	USB4 Alternate Mode Support on Hubs and USB4-based Docks		N/A
5.3	USB4 Power Requirements		N/A
5.3.1	Source Power Requirements		N/A
5.3.2	Sink Power Requirements		N/A
5.3.3	Device Power Management Requirements		N/A
5.4	USB4 Discovery and Entry Flow Requirement s		N/A
5.4.1	USB Type-C Initial Connection		N/A
5.4.2	USB Power Delivery Contract		N/A
5.4.3	USB4 Discovery and Entry Flow		N/A
5.4.3.1	USB4 Device Discovery (SOP)		N/A
5.4.3.2	USB4 Cable Discovery (SOP')		N/A
5.4.3.3	USB4 Operational Entry		N/A
5.4.4	USB4 Post-Entry Operation		N/A
5.4.4.1	During USB4 Operation		N/A
5.4.4.2	Exiting USB4 Operation		N/A
5.5	USB4 Hub Connection Requirements		N/A





EN IEC 62680-1-3			
Clause	Requirement + Test	Result - Remark	Verdict
5.5.1	USB4 Hub Port Initial Connection Requirements		N/A
5.5.2	USB4 Hub UFP and Host Capabilities Discovery		N/A
5.5.3	Hub DFP Connection Requirements		N/A
5.5.3.1	Speculative Connections		N/A
5.5.3.2	Operational Connections		N/A
5.5.4	Hub Ports Connection Behavior Flow Examples		N/A
5.5.5	Connecting to Downstream USB4 Hubs		N/A
5.5.6	Fallback Functional Requirements for USB4 Hubs		N/A
5.6	USB4 Device Connection Requirements		N/A
5.6.1	Fallback Mapping of USB4 Peripheral Functions to USB Device Class Types		N/A
5.7	Parameter Values		N/A
5.7.1	Timing Parameters		N/A
6	Active Cables		N/A
6.1	USB Type-C State Machine		N/A
6.2	USB PD Requirements		N/A
6.2.1	Active Cable USB PD Requirements		N/A
6.2.2	USB PD Messages for OIAC		N/A
6.2.3	Short Active Cable Behaviors in Response to Power Delivery Events		N/A
6.3	OIAC Connection Flow and State Diagrams		N/A
6.3.1	OIAC Connection Flow - Discovery - Phase 1		N/A
6.3.2	OIAC Connection Flow - Reboot - Phase 2		N/A
6.3.3	OIAC Connection Flow - Configuration - Phase 3		N/A
6.3.4	OIAC Connection State Diagram Plug-A		N/A
6.3.5	OIAC Connection State Diagram Plug-B		N/A
6.4	Active Cable Power Requirements		N/A
6.4.1	VBUS Requirements		N/A
6.4.2	OIAC VBUS Requirements		N/A
6.4.3	USB PD Rules in Active State		N/A
6.4.4	VCONN Requirements		N/A
6.5	Mechanical		N/A
6.5.1	Thermal		N/A
6.5.2	Plug Spacing		N/A
6.6	Electrical Requirements		N/A



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Clause	Requirement + Test	Result - Remark	Verdict
6.6.1	Shielding Effectiveness Requirement		N/A
6.6.2	Low Speed Signal Requirement		N/A
6.6.3	USB 2.0		N/A
6.6.4	USB 3.2		N/A
6.6.5	USB4		N/A
6.6.6	Return Loss		N/A
6.7	Active Cables That Support Alternate Modes		N/A
6.7.1	Discover SVIDs		N/A
6.7.2	Discover Modes		N/A
6.7.3	Enter/Exit Modes		N/A
6.7.4	Power in Alternate Modes		N/A





Annex A Test Data

Type-C Functional Test

Type-C Functional Test	Reference spec	Result	Description
TD 4.1.1 Initial Voltage Test	EN IEC 62680-1-3 Chapter 4.5	Pass	
TD 4.1.2 Unpowered CC Voltage Test	EN IEC 62680-1-3 Chapter 4.11	N/A	This test is not applicable when Type_C_State_Machine is SNK and Type_C_Power_Source is not 0 and Port_Battery_Powered is not 'NO'.
TD 4.1.3 Unpowered Cable Test	EN IEC 62680-1-3 Chapter 4.5, 4.9	N/A	This test requires two Voyager units to be connected.
TD 4.2.1 Source Connect Sink Test	EN IEC 62680-1-3 Chapter 4.4, 4.5, 4.6	N/A	This test is only applicable while Type_C_State_Machine = "SRC" Valid PD_PORT_TYPE for this TD : "Provider Only" "Provider/Consumer"
TD 4.2.2 Source Connect SNKAS Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.2.3 Source Connect DRP	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.2.4 Source Connect Try.SRC DRP	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.2.5 Source Connect Try.SNK DRP	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.2.6 Source Connect Audio Accessory	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.2.7 Source Connect Debug Accessory	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.2.8 Source Connect VCONN Accessory	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.3.1 Sink Connect Source Test	EN IEC 62680-1-3 Chapter 4.5	N/A	Valid PD_PORT_TYPE for this TD : "Provider Only" "Provider/Consumer"
TD 4.3.2 Sink Connect DRP Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.3.3 Sink Connect Try.SRC DRP Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.3.4 Sink Connect Try.SNK DRP Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.3.5 Sink Connect SNKAS Test	EN IEC 62680-1-3 Chapter 4.10	N/A	
TD 4.3.6 Sink Connect Accessories Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.4.1 SNKAS Connect Source Test	EN IEC 62680-1-3 Chapter 4.5	N/A	This test is applicable when Type_C state_Machine is SNK and Type_C_Supports_Audio_Accessory or Type_C_Supports_VCONN_Powerd_Accessory is YES Valid PD_PORT_TYPE for this TD : "Provider Only" "Provider/Consumer"
TD 4.4.2 SNKAS Connect DRP Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.4.3 SNKAS Connect Try.SRC DRP Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.4.4 SNKAS Connect Try.SNK DRP Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.4.5 SNKAS Connect SNKAS Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.4.6 SNKAS	EN IEC 62680-1-3	N/A	



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Annex A Test Data

Connect Audio Accessory Test	Chapter 4.5		
TD 4.4.7 SNKAS Connect Debug Accessory Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.4.8 SNKAS Connect Powered.Accessory Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.5.1 DRP Connect Sink Test	EN IEC 62680-1-3 Chapter 4.5, 4.8	Pass	This test is applicable when Type_C_State_Machine is DRP and Type_C_Implements_Try_SNK is No and Type_C_Type_C_Implements_Try_SRC is NO This test is not applicable to DRPs that implemented a Try State.
TD 4.5.2 DRP Connect SNKAS Test	EN IEC 62680-1-3 Chapter 4.6	Pass	
TD 4.5.3 DRP Connect Source Test	EN IEC 62680-1-3 Chapter 4.5, 4.8	Pass	
TD 4.5.4 DRP Connect DRP Test	EN IEC 62680-1-3 Chapter 4.5, 4.8	Pass	
TD 4.5.5 DRP Connect Try.SRC DRP Test	EN IEC 62680-1-3 Chapter 4.5	Pass	
TD 4.5.6 DRP Connect Try.SNK DRP Test	EN IEC 62680-1-3 Chapter 4	Pass	
TD 4.6.1 Try.SRC DRP Connect Source Test	EN IEC 62680-1-3 Chapter 4	N/A	This test applies when VIF field Type_C_State_Machine is DRP and Type_C_Implements_Try_SRC is YES This test is not applicable to DRPs that do not implement a Try SRC.
TD 4.6.2 Try.SRC DRP Connect DRP Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.6.3 Try.SRC DRP Connect Try.SRC DRP Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.6.4 Try.SRC DRP Connect Try.SNK DRP Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.6.5 Try.SRC DRP Connect Sink Test	EN IEC 62680-1-3 Chapter 4.4, 4.5, 4.6	N/A	
TD 4.6.6 Try.SRC DRP Connect SNKAS Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.7.1 Try.SNK DRP Connect Source Test	EN IEC 62680-1-3 Chapter 4.5	N/A	This test applies when VIF field Type_C_State_Machine is DRP and Type_C_Implements_Try_SNK is YES
TD 4.7.2 Try.SNK DRP Connect DRP Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.7.3 Try.SNK DRP Connect Try.SRC DRP Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.7.4 Try.SNK DRP Connect Try.SNK DRP Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.7.5 Try.SNK DRP Connect Sink Test	EN IEC 62680-1-3 Chapter 4	N/A	
TD 4.7.6 Try.SNK DRP Connect SNKAS Test	EN IEC 62680-1-3 Chapter 4	N/A	



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Annex A Test Data

TD 4.8.1 DRP Connect Audio Accessory Test	EN IEC 62680-1-3 Chapter 4.5	Pass	This test is require for a PUT_R_with VIF field Type_C_State_Machine is DRP and Captive_Cable is NO
TD 4.8.2 DRP Connect Debug Accessory Test	EN IEC 62680-1-3 Chapter 4.5	Pass	This is only applicable for any device with 'Type_C_Supports_Audio_Accessory' = 'YES'.
TD 4.8.3 DRP Connect Vconn Accessory Test	EN IEC 62680-1-3 Chapter 4.5	Pass	
TD 4.9.1 Source Suspend Test	EN IEC 62680-1-3 Chapter 4.6	Pass	This test is applicable when VIF field Type_C_Can_Act_as_Host is YES and Host_Suspend_Supported=YES and the PUT is a PUT_V
TD 4.9.2 USB Type-C Current Advertisement Test	EN IEC 62680-1-3 Chapter 4.6, 4.7, 4.8	Pass	This test is applicable when VIF field Type_C_State_Machine is DRP or SRC
TD 4.9.3 Source PR_Swap Test	EN IEC 62680-1-3 Chapter 4.5	Pass	This test is applicable if VIF field Accepts_PR_Swap_As_Src is set to YES
TD 4.9.4 Source VCONN Swap Test	EN IEC 62680-1-3 Chapter 4.5	N/A	This test is applicable to a PUT_V when VIF field VCONN_Swap_To_Off_Supported is YES
TD 4.9.5 Source Alternate Modes Test	EN IEC 62680-1-3 Chapter 4, 5, 6, E	N/A	Test only applies to PUTs that support PD and Alternate Modes as indicated by VIF fields Type_C_Is_Alt_Mode_Controller set to YES
TD 4.10.1 Sink Power Sub-States Test	EN IEC 62680-1-3 Chapter 4.5, 4.6	Pass	Test is applicable when VIF field Type_C_State_Machine is DRP or SNK
TD 4.10.2 Sink Power Precedence Test	EN IEC 62680-1-3 Chapter 4.6	Pass	
TD 4.10.3 Sink Suspend Test	EN IEC 62680-1-3 Chapter 4.6	Pass	
TD 4.10.4 Sink PR_Swap Test	EN IEC 62680-1-3 Chapter 4.5	Pass	This test is applicable when VIF field Accepts_PR_Swap_As_Snk is YES
TD 4.10.5 Sink VCONN_Swap Test	EN IEC 62680-1-3 Chapter 4.5	N/A	This test is applicable when VIF field VCONN_Swap_To_On_Supported is YES
TD 4.10.6 Sink Alternate Mode Test	EN IEC 62680-1-3 Chapter 4, 5, 6, E	Pass	1. This test is applicable when VIF field USB_PD_Support is set to YES and Type_C_State Machine is not set to SRC 2.This test is applicable when VIF field USB_PD_Support set to YES and Type_C_State_Machine is set to SRC and DR_Swap_To_UFP_Supported is set to YES
TD 4.11.1 DR_Swap Test	EN IEC 62680-1-3 Chapter 4.8	Pass	1. When VIF field Type_C_State_Machine is SNK or DRP and DR_Swap_To_DFP_Supported is YES, then test steps 1-10 are required. 2. When VIF field field Type_C_State_Machine is SRC or DRP and DR_Swap_To_UFP_Supported is YES, then test steps 1, 11-17 are required. 3. When VIF field Type_C_Can_Act_As_Host is YES and Type_C_Can_Act_As_Device is YES then: a. When VIF field Type_C_State_Machine is SRC then test steps 1, 11-17 are required. b. When VIF field Type_C_State_Machine is SNK then test steps 1-10 are required. 4. When VIF field Type_C_State_Machine is DRP then: a. When VIF field Type_C_Can_Act_As_Host



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Scan code to check authenticity



Annex A Test Data

			is YES and Type_C_Can_Act_As_Device is NO then steps 1-10 are required. b. When VIF field Type_C_Can_Act_As_Host is NO and Type_C_Can_Act_As_Device is YES then steps 1, 11-17 are required.
TD 4.11.2 Sink Dead Battery Test	EN IEC 62680-1-3 Chapter 4.5, 4.8	Pass	This test is applicable to every USB Type-C Port (VIF field VIF_Product_Type is set to 0 (Port Product))
TD 4.11.3 Captive Cable Power Test	EN IEC 62680-1-3 Chapter 4, 5, 6	N/A	This test is applicable to every USB Type-C Port (VIF field VIF_Product_Type is set to 0 (Port Product)) when Captive_Cable is set to YES and Captive_Cable_Is_Emarked is set to YES. a. If the VIF field Type_C_State_Machine is set to SRC or DRP and VCONN_Swap_To_Off_Supported, then steps 1-3, 13-19 apply b. If the VIF field Type_C_State_Machine is set to SNK or DRP, then steps 1-12 apply
TD 4.12.2 Hub Port Types Test	EN IEC 62680-1-3 Chapter 4.7, 5.1	N/A	1. This test is applicable for a PUT that is part of a hub, as indicated with VIF field Type_C_Port_On_Hub set to YES. 2. For this test, the test operator cycles through each exposed USB Type-C port on the hub under test 3. This test is only required to be run once per hub or compound device.
TD 4.13.1 DFP Enter_USB Test	EN IEC 62680-1-3 Chapter 5.4	N/A	This test is applicable for a PUT that has VIF field USB4_DFP_Supported set to YES
TD 4.13.2 UFP Enter_USB Test	EN IEC 62680-1-3 Chapter 5.2, 5.4	N/A	1. This test is applicable for a PUT that has VIF field USB4_UFP_Supported set to YES 2. This test is applicable for a PUT that has VIF field USB4_DFP_Supported set to YES and Type_C_Port_On_Hub set to NO
TD 4.13.3 DFP Data_Reset Test	EN IEC 62680-1-3 Chapter 5.4	N/A	This test is applicable for a PUT that has USB4_DFP_Supported set to YES
TD 4.13.4 UFP Data_Reset Test	EN IEC 62680-1-3 Chapter 5.4	N/A	1. This test is applicable for a PUT that has VIF field USB4_UFP_Supported set to YES 2. This test is applicable for a PUT that has VIF field USB4_DFP_Supported set to YES and Type_C_Port_On_Hub set to NO
TD 4.13.5 Cable EnterUSB and Data Reset Test	EN IEC 62680-1-3 Chapter 5.4	N/A	1. This test is applicable for a PUT that has VIF field VIF_Product_Type set to 1 (Cable) and USB4_Supported set to YES 2. This test is applicable only if the PUT VIF indicates an End Product
TD 4.13.6 Emarker Silicon EnterUSB and Data Reset Test	EN IEC 62680-1-3 Chapter 5.4	N/A	1. This test is applicable for a PUT that has VIF field VIF_Product_Type set to 1 (Cable) and USB4_Supported set to YES 2. This test is applicable only if the PUT VIF indicates the product cert is PD Silicon
TD 4.14.1 Cable Vconn Swap Test	EN IEC 62680-1-3 Chapter 4.6	N/A	This test is applicable for all CPUTs
TD 4.14.2 Cable Reset Test	EN IEC 62680-1-3 Chapter 4.5	N/A	
TD 4.14.3 Cable Alternate Mode Test	EN IEC 62680-1-3 Chapter 6.7	N/A	This test is applicable for CPUTs where VIF field Modal_Operation_Supported is YES
TD 4.14.4 Cable USB 3.2 Test	EN IEC 62680-1-3 Chapter 4.6, 6.6	N/A	This test is applicable for CPUTs where VIF field Product_Type is 4 (Active Cable)



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Annex A Test Data

TD 4.14.5 Cable USB4 Test	EN IEC 62680-1-3 Chapter 5, 6	N/A	
Remark: DUT: Device under test PUT: Port under test			





Annex B

Photo Documentation



Figure 1 External view



Figure 2 External view





Annex B

Photo Documentation



Figure 3 External view



Figure 4 External view





Annex B

Photo Documentation



Figure 5 External view



Figure 6 External view





Annex B

Photo Documentation



Figure 7 Internal view



Figure 8 Internal view





Annex B

Photo Documentation



Figure 9 Internal view

--- END OF TEST REPORT ---

