

Selected Certification - PD3

SI No	Applicable MOI
1	Power Delivery 3.0 Tests
2	PD2 Communication Engine Tests
3	PD2 Deterministic Tests
4	USB-C Functional Tests

Overall Test Summary

MOI Name	Total	PASS	FAIL	INCOMPLETE	NOT_SELECTED	OTHERS
COMPLIANCE_TEST_PD3	84	0	1	0	83	0
COMMUNICATION_ENGINE_TESTS	25	0	3	0	20	2

COMPLIANCE_TEST_PD3 Result

SI No	Test ID	Test Name	Test Result
1	TD.PD.SNK3.E12	TD.PD.SNK3.E12 Soft Reset sent regardless of Rp value	FAIL
		--- Failed: DUT response Time:(16.7332000 mS),Spec Limit Time interval is:[<= 16.1000000 mS]	

USB-IF High Level Mapping Summary:

SI No	Test Category	Test Group Description	Test Result
1	PROT_PRIMARY	Protocol Specific Primary	FAIL
2	POWER_PRIMARY	Power Source/Sink Primary	PASS

COMMUNICATION_ENGINE_TESTS Result

SI No	Test ID	Test Name	Test Result
1	TDA.2.2.2.3	TDA.2.2.2.3 BMC PROT SEQ CHKCAB CP ACC	FAIL
		BMC_PROT_SEQ_CHKCAB_CP_ACC_1(PRSwap) >> DUT sent unexpected message(SoftReset). Please verify the protocol capture and confirm failure	FAIL
2	TDA.2.2.2.4	TDA.2.2.2.4 BMC PROT SEQ CHKCAB NOMRK CP ACC	FAIL
		BMC_PROT_SEQ_CHKCAB_CP_ACC_1(PRSwap) >> DUT sent unexpected message(SoftReset). Please verify the protocol capture and confirm failure	FAIL
3	TDA.2.2.3	TDA.2.2.3 BMC PROT SEQ DRSWAP	FAIL
		TDA.2.2.3 BMC PROT SEQ DRSWAP_DR-SwapDUTSrc_1_2	PASS
		PT_TDA.2.2.3 BMC PROT SEQ DRSWAP_DRSwapDUTSnk_5_6 >> DUT failed to send Reject/Accept message	FAIL
4	TDA.2.3.1.2	TDA.2.3.1.2 POW SRC LOAD CP ACC	NA
		--- DUT's Accepts PR_SWAp as Sink is "NO" in VIF.	
5	TDA.2.3.2.2	TDA.2.3.2.2 POW SRC TRANS CP ACC	NA
		--- DUT's Accepts PR_SWAp as Sink is "NO" in VIF.	

Not Selected MOI - DETERMINISTIC_TESTS

SI No	Test ID	Test Name	Test Result
1	TD.PD.LL.E1	TD.PD.LL.E1 GoodCrc Timing	NOT_EXECUTED
2	TD.PD.LL.E2	TD.PD.LL.E2 Retransmission	NOT_EXECUTED
3	TD.PD.LL.E3	TD.PD.LL.E3 Soft Reset Usage	NOT_EXECUTED
4	TD.PD.LL.E4	TD.PD.LL.E4 Hard Reset Usage	NOT_EXECUTED
5	TD.PD.LL.E5	TD.PD.LL.E5 Soft Reset	NOT_EXECUTED
6	TD.PD.LL.E6	TD.PD.LL.E6 Ping	NOT_EXECUTED
7	TD.PD.SRC.E1	TD.PD.SRC.E1 Source Capabilities sent timely	NOT_EXECUTED
8	TD.PD.SRC.E2	TD.PD.SRC.E2 Source Capabilities Fields Checks	NOT_EXECUTED
9	TD.PD.SRC.E3	TD.PD.SRC.E3 SourceCapabilityTimer Timeout	NOT_EXECUTED
10	TD.PD.SRC.E4	TD.PD.SRC.E4 SenderResponseTimer Deadline Request	NOT_EXECUTED
11	TD.PD.SRC.E5	TD.PD.SRC.E5 SenderResponseTimer Timeout Request	NOT_EXECUTED
12	TD.PD.SRC.E6	TD.PD.SRC.E6 PSHardResetTimer Timeout	NOT_EXECUTED
13	TD.PD.SRC.E7	TD.PD.SRC.E7 Accept sent timely	NOT_EXECUTED
14	TD.PD.SRC.E8	TD.PD.SRC.E8 Accept Fields Checks	NOT_EXECUTED
15	TD.PD.SRC.E9	TD.PD.SRC.E9 PS RDY sent timely	NOT_EXECUTED
16	TD.PD.SRC.E10	TD.PD.SRC.E10 PS RDY Fields Checks	NOT_EXECUTED
17	TD.PD.SRC.E11	TD.PD.SRC.E11 Accept Requests can be met	NOT_EXECUTED
18	TD.PD.SRC.E12	TD.PD.SRC.E12 Reject Requests cannot be met	NOT_EXECUTED
19	TD.PD.SRC.E13	TD.PD.SRC.E13 Reject Request Invalid Object Position	NOT_EXECUTED
20	TD.PD.SRC.E14	TD.PD.SRC.E14 Atomic Message Sequence	NOT_EXECUTED
21	TD.PD.SRC.E15	TD.PD.SRC.E15 Give Source Cap	NOT_EXECUTED
22	TD.PD.SRC.E16	TD.PD.SRC.E16 PDO Transition	NOT_EXECUTED
23	TD.PD.SNK.E1	TD.PD.SNK.E1 SinkWaitCapTimer Deadline	NOT_EXECUTED
24	TD.PD.SNK.E2	TD.PD.SNK.E2 SinkWaitCapTimer Timeout	NOT_EXECUTED
25	TD.PD.SNK.E3	TD.PD.SNK.E3 Request Sent Timely	NOT_EXECUTED
26	TD.PD.SNK.E4	TD.PD.SNK.E4 Request Fields Checks	NOT_EXECUTED
27	TD.PD.SNK.E5	TD.PD.SNK.E5 SenderResponseTimer Deadline Accept	NOT_EXECUTED
28	TD.PD.SNK.E6	TD.PD.SNK.E6 SenderResponseTimer Timeout Accept	NOT_EXECUTED
29	TD.PD.SNK.E7	TD.PD.SNK.E7 PSTransitionTimer Deadline	NOT_EXECUTED
30	TD.PD.SNK.E8	TD.PD.SNK.E8 PSTransitionTimer Timeout	NOT_EXECUTED

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SI No	Test ID	Test Name	Test Result
31	TD.PD.SNK.E9	TD.PD.SNK.E9 GetSinkCap in Place of Accept	NOT_EXECUTED
32	TD.PD.SNK.E10	TD.PD.SNK.E10 GetSinkCap in Place of PS RDY	NOT_EXECUTED
33	TD.PD.SNK.E12	TD.PD.SNK.E12 Compatibility with PD3 Source	NOT_EXECUTED
34	TD.PD.PC.E2	TD.PD.PC.E2 PS RDY Sent Timely	NOT_EXECUTED
35	TD.PD.PC.E3	TD.PD.PC.E3 PSSourceOnTimer Deadline	NOT_EXECUTED
36	TD.PD.PC.E4	TD.PD.PC.E4 PSSourceOnTimer Timeout	NOT_EXECUTED
37	TD.PD.PC.E5	TD.PD.PC.E5 tSwapSinkReady Check	NOT_EXECUTED
38	TD.PD.PC.E6	TD.PD.PC.E6 Unconstrained Power Bit Usage	NOT_EXECUTED
39	TD.PD.CP.E1	TD.PD.CP.E1 PSSourceOffTimer Deadline	NOT_EXECUTED
40	TD.PD.CP.E2	TD.PD.CP.E2 PSSourceOffTimer Timeout	NOT_EXECUTED
41	TD.PD.CP.E3	TD.PD.CP.E3 PS RDY Sent Timely	NOT_EXECUTED
42	TD.PD.CP.E4	TD.PD.CP.E4 SwapSourceStartTimer Timeout	NOT_EXECUTED
43	TD.PD.CP.E5	TD.PD.CP.E5 PDO Transition After PR Swap	NOT_EXECUTED
44	TD.PD.VDMU.E1	TD.PD.VDMU.E1 Fields Checks Discover Identity	NOT_EXECUTED
45	TD.PD.VDMU.E2	TD.PD.VDMU.E2 Fields Checks Discover SVIDs	NOT_EXECUTED
46	TD.PD.VDMU.E3	TD.PD.VDMU.E3 Fields Checks Discover Modes	NOT_EXECUTED
47	TD.PD.VDMU.E4	TD.PD.VDMU.E4 Fields Checks Enter Mode	NOT_EXECUTED
48	TD.PD.VDMU.E5	TD.PD.VDMU.E5 Fields Checks Exit Mode	NOT_EXECUTED
49	TD.PD.VDMU.E6	TD.PD.VDMU.E6 tVDMReceiverResponse Discover Identity	NOT_EXECUTED
50	TD.PD.VDMU.E7	TD.PD.VDMU.E7 tVDMReceiverResponse Discover SVIDs	NOT_EXECUTED
51	TD.PD.VDMU.E8	TD.PD.VDMU.E8 tVDMReceiverResponse Discover Modes	NOT_EXECUTED
52	TD.PD.VDMU.E9	TD.PD.VDMU.E9 tVDMReceiverResponse Enter and Exit Mode	NOT_EXECUTED
53	TD.PD.VDMU.E10	TD.PD.VDMU.E10 Incorrect SVID Discover Identity	NOT_EXECUTED
54	TD.PD.VDMU.E11	TD.PD.VDMU.E11 Incorrect SVID Discover SVIDs	NOT_EXECUTED
55	TD.PD.VDMU.E12	TD.PD.VDMU.E12 Incorrect SVID Discover Modes	NOT_EXECUTED
56	TD.PD.VDMU.E13	TD.PD.VDMU.E13 Incorrect SVID Enter Mode	NOT_EXECUTED
57	TD.PD.VDMU.E14	TD.PD.VDMU.E14 Incorrect SVID Exit Mode	NOT_EXECUTED
58	TD.PD.VDMU.E15	TD.PD.VDMU.E15 Applicability	NOT_EXECUTED
59	TD.PD.VDMU.E16	TD.PD.VDMU.E16 Interruption by PD Command	NOT_EXECUTED
60	TD.PD.VDMU.E17	TD.PD.VDMU.E17 Interruption by VDM Command	NOT_EXECUTED
61	TD.PD.VDMU.E18	TD.PD.VDMU.E18 tDRSwapHardReset	NOT_EXECUTED
62	TD.PD.VDMU.E19	TD.PD.VDMU.E19 Version	NOT_EXECUTED
63	TD.PD.VDMD.E1	TD.PD.VDMD.E1 tVDMSenderResponse Deadline Discover Identity	NOT_EXECUTED

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64	TD.PD.VDMD.E2	TD.PD.VDMD.E2 tVDMSenderResponse Timeout Discover Identity	NOT_EXECUTED
65	TD.PD.VDMD.E3	TD.PD.VDMD.E3 Incorrect Fields Discover Identity	NOT_EXECUTED
66	TD.PD.VDMD.E4	TD.PD.VDMD.E4 Applicability	NOT_EXECUTED
67	TD.PD.VNDI.E1	TD.PD.VNDI.E1 VDM Identity	NOT_EXECUTED
68	TD.PD.VNDI.E2	TD.PD.VNDI.E2 VDM SVIDs	NOT_EXECUTED
69	TD.PD.VNDI.E3	TD.PD.VNDI.E3 VDM Modes	NOT_EXECUTED
70	TD.PD.VNDI.E4	TD.PD.VNDI.E4 SOP Handling	NOT_EXECUTED
71	TD.PD.VNDI.E5	TD.PD.VNDI.E5 Source Capabilities	NOT_EXECUTED
72	TD.PD.VNDI.E6	TD.PD.VNDI.E6 Sink Capabilities	NOT_EXECUTED
73	TD.PD.VNDI.E7	TD.PD.VNDI.E7 Dual Role Devices Accepts PR Swap as Source	NOT_EXECUTED
74	TD.PD.VNDI.E8	TD.PD.VNDI.E8 Dual Role Devices Accepts PR Swap as Sink	NOT_EXECUTED
75	TD.PD.VNDI.E9	TD.PD.VNDI.E9 Dual Role Devices Requests PR Swap as Source	NOT_EXECUTED
76	TD.PD.VNDI.E10	TD.PD.VNDI.E10 Dual Role Devices Requests PR Swap as Sink	NOT_EXECUTED
77	TD.PD.PHY.E1	TD.PD.PHY.E1 BIST Test Data	NOT_EXECUTED
78	TD.PD.PHY.E2	TD.PD.PHY.E2 BIST Receiver Mode	NOT_EXECUTED
79	TD.PD.PHY.E3	TD.PD.PHY.E3 BIST Transmitter Mode	NOT_EXECUTED
80	TD.PD.PHY.E4	TD.PD.PHY.E4 Transmitter Bit Rate and Bit Rate Drift	NOT_EXECUTED
81	TD.PD.PHY.E5	TD.PD.PHY.E5 Transmitter Collision Avoidance	NOT_EXECUTED
82	TD.PD.PHY.E6	TD.PD.PHY.E6 Receiver Swing Tolerance	NOT_EXECUTED
83	TD.PD.PHY.E7	TD.PD.PHY.E7 Receiver Bit Rate Tolerance	NOT_EXECUTED
84	TD.PD.PHY.E8	TD.PD.PHY.E8 Receiver Bit Rate Deviation Tolerance	NOT_EXECUTED
85	TD.PD.PHY.E9	TD.PD.PHY.E9 Valid SOP Framing	NOT_EXECUTED
86	TD.PD.PHY.E10	TD.PD.PHY.E10 Invalid SOP Framing	NOT_EXECUTED
87	TD.PD.PHY.E11	TD.PD.PHY.E11 Valid SOP P Framing	NOT_EXECUTED
88	TD.PD.PHY.E12	TD.PD.PHY.E12 Invalid SOP P Framing	NOT_EXECUTED
89	TD.PD.PHY.E13	TD.PD.PHY.E13 Valid SOP PP Framing	NOT_EXECUTED
90	TD.PD.PHY.E14	TD.PD.PHY.E14 Invalid SOP PP Framing	NOT_EXECUTED
91	TD.PD.PHY.E15	TD.PD.PHY.E15 SOP P_Debug SOP PP Debug Framing	NOT_EXECUTED
92	TD.PD.PHY.E16	TD.PD.PHY.E16 Valid Hard Reset Framing	NOT_EXECUTED
93	TD.PD.PHY.E17	TD.PD.PHY.E17 Invalid Hard Reset Framing	NOT_EXECUTED
94	TD.PD.PHY.E18	TD.PD.PHY.E18 Valid Cable Reset Framing	NOT_EXECUTED
95	TD.PD.PHY.E19	TD.PD.PHY.E19 Invalid Cable Reset Framing	NOT_EXECUTED
96	TD.PD.PHY.E20	TD.PD.PHY.E20 EOP Framing	NOT_EXECUTED

SI No	Test ID	Test Name	Test Result
97	TD.PD.PHY.E21	TD.PD.PHY.E21 Preamble	NOT_EXECUTED

Not Selected MOI - FUNCTIONAL_TESTS

SI No	Test ID	Test Name	Test Result
1	TD.4.11.2	TD.4.11.2 Sink Dead Battery Test	NOT_EXECUTED
2	TD.4.1.1	TD.4.1.1 Initial Voltage Test	NOT_EXECUTED
3	TD.4.2.1	TD.4.2.1 Source Connect Sink Test	NOT_EXECUTED
4	TD.4.2.2	TD.4.2.2 Source Connect SNKAS Test	NOT_EXECUTED
5	TD.4.2.3	TD.4.2.3 Source Connect DRP	NOT_EXECUTED
6	TD.4.2.4	TD.4.2.4 Source Connect Try SRC DRP	NOT_EXECUTED
7	TD.4.2.5	TD.4.2.5 Source Connect Try SNK DRP	NOT_EXECUTED
8	TD.4.2.6	TD.4.2.6 Source Connect Audio Accessory	NOT_EXECUTED
9	TD.4.2.7	TD.4.2.7 Source Connect Debug Accessory	NOT_EXECUTED
10	TD.4.2.8	TD.4.2.8 Source Connect Vconn Accessory	NOT_EXECUTED
11	TD.4.3.1	TD.4.3.1 Sink Connect Source Test	NOT_EXECUTED
12	TD.4.3.2	TD.4.3.2 Sink Connect DRP Test	NOT_EXECUTED
13	TD.4.3.3	TD.4.3.3 Sink Connect Try SRC DRP Test	NOT_EXECUTED
14	TD.4.3.4	TD.4.3.4 Sink Connect Try SNK DRP Test	NOT_EXECUTED
15	TD.4.3.5	TD.4.3.5 Sink.Connect.SNKAS.Test	NOT_EXECUTED
16	TD.4.3.6	TD.4.3.6 Sink.Connect.Accessories.Test	NOT_EXECUTED
17	TD.4.4.1	TD.4.4.1 SNKAS Connect Source Test	NOT_EXECUTED
18	TD.4.4.2	TD.4.4.2 SNKAS Connect DRP Test	NOT_EXECUTED
19	TD.4.4.3	TD.4.4.3 SNKAS Connect Try SRC DRP Test	NOT_EXECUTED
20	TD.4.4.4	TD.4.4.4 SNKAS Connect Try SNK DRP Test	NOT_EXECUTED
21	TD.4.4.5	TD.4.4.5 SNKAS Connect SNKAS Test	NOT_EXECUTED
22	TD.4.4.6	TD.4.4.6 SNKAS Connect Audio Acc	NOT_EXECUTED
23	TD.4.4.7	TD.4.4.7 SNKAS Connect Debug Accessory	NOT_EXECUTED
24	TD.4.4.8	TD.4.4.8 SNKAS Connect PoweredAcc	NOT_EXECUTED
25	TD.4.5.1	TD.4.5.1 DRP Connect Sink Test	NOT_EXECUTED
26	TD.4.5.2	TD.4.5.2 DRP Connect SNKAS Test	NOT_EXECUTED
27	TD.4.5.3	TD.4.5.3 DRP Connect Source Test	NOT_EXECUTED

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SI No	Test ID	Test Name	Test Result
28	TD.4.5.4	TD.4.5.4 DRP Connect DRP Test	NOT_EXECUTED
29	TD.4.5.5	TD.4.5.5 DRP Connect Try SRC DRP Test	NOT_EXECUTED
30	TD.4.5.6	TD.4.5.6 DRP Connect Try SNK DRP Test	NOT_EXECUTED
31	TD.4.6.1	TD.4.6.1 Try SRC DRP Connect Source Test	NOT_EXECUTED
32	TD.4.6.2	TD.4.6.2 Try SRC DRP Connect DRP Test	NOT_EXECUTED
33	TD.4.6.3	TD.4.6.3 Try SRC DRP Connect Try SRC DRP Test	NOT_EXECUTED
34	TD.4.6.4	TD.4.6.4 Try SRC DRP Connect Try SNK DRP Test	NOT_EXECUTED
35	TD.4.6.5	TD.4.6.5 Try SRC DRP Connect Sink Test	NOT_EXECUTED
36	TD.4.6.6	TD.4.6.6 Try SRC DRP Connect SNKAS Test	NOT_EXECUTED
37	TD.4.7.1	TD.4.7.1 Try SNK DRP Connect Source Test	NOT_EXECUTED
38	TD.4.7.2	TD.4.7.2 Try SNK DRP Connect DRP Test	NOT_EXECUTED
39	TD.4.7.3	TD.4.7.3 Try SNK DRP Connect Try SRC DRP Test	NOT_EXECUTED
40	TD.4.7.4	TD.4.7.4 Try SNK DRP Connect Try SNK DRP Test	NOT_EXECUTED
41	TD.4.7.5	TD.4.7.5 Try SNK DRP Connect Sink Test	NOT_EXECUTED
42	TD.4.7.6	TD.4.7.6 Try SNK DRP Connect SNKAS Test	NOT_EXECUTED
43	TD.4.8.1	TD.4.8.1 DRP Connect Audio Acc Test	NOT_EXECUTED
44	TD.4.8.2	TD.4.8.2 DRP Connect Debug Acc Test	NOT_EXECUTED
45	TD.4.8.3	TD.4.8.3 DRP Connect Vconn Accessory Test	NOT_EXECUTED
46	TD.4.9.1	TD.4.9.1 Source Suspend Test	NOT_EXECUTED
47	TD.4.9.2	TD.4.9.2 USB Type C Current Advertisement Test	NOT_EXECUTED
48	TD.4.9.3	TD.4.9.3 Source PR Swap Test	NOT_EXECUTED
49	TD.4.9.4	TD.4.9.4 Source Vconn Swap Test	NOT_EXECUTED
50	TD.4.9.5	TD.4.9.5 Source Alternate Mode Test	NOT_EXECUTED
51	TD.4.10.1	TD.4.10.1 Sink Power Sub States Test	NOT_EXECUTED
52	TD.4.10.2	TD.4.10.2 Sink Power Precedence Test	NOT_EXECUTED
53	TD.4.10.3	TD.4.10.3 Sink Suspend Test	NOT_EXECUTED
54	TD.4.10.4	TD.4.10.4 Sink PR Swap Test	NOT_EXECUTED
55	TD.4.10.5	TD.4.10.5 Sink.VCONN Swap Test	NOT_EXECUTED
56	TD.4.10.6	TD.4.10.6 Sink Alternate Mode Test	NOT_EXECUTED
57	TD.4.11.1	TD.4.11.1 DR Swap Test	NOT_EXECUTED
58	TD.4.12.2	TD.4.12.2 Hub Port Types Test	NOT_EXECUTED
59	TD.4.1.2	TD.4.1.2 Unpowered CC Voltage Test	NOT_EXECUTED
60	TD.4.13.5	TD.4.13.5 Cable EnterUSB and Data Reset Test	NOT_EXECUTED