

PDA-600 TEST REPORT

October 11, 2017 10:23 AM

Product Tested: myClass4PD
Cycles: 2

Coverage: ALT A MDI Type-1
ALT B MDI-X Type-2 PHY
Type-2 LLDP
Color Key: PASS FAIL WARN INFO

Software Version: 1.9
PDA Firmware: 2.00
Report Ver: 1.5
Serial Number 602B0002



Detection & Classification

PSE Emulation: Pairs: A Polarity: MDI Det_Cycles: 3

Parameter	Cycle:	1	2	Units	Min.	Max.	Average	Low Lim.	High Lim.	P/F
Rdet		24.60	24.62	kohm	24.60	24.62	24.61	23.70	26.30	P
Rdet_final		24.62	24.55	kohm	24.55	24.62	24.59	23.70	26.30	P
Rdet_unpwr		>99.00	>99.00	kohm	99.00	99.00	99.00	<12.00	>45.00	P
Rdet_at_Vmin		25.16	25.08	kohm	25.08	25.16	25.12	23.70	26.30	P
Rdet_at_Vmax		25.39	25.24	kohm	25.24	25.39	25.31	23.70	26.30	P
Rdet_Voffset		1.1	1.5	VDC	1.1	1.5	1.3	0.0	1.9	P
Cdet		0.10	0.10	uF	0.10	0.10	0.10	0.05	0.12	P
Cdet_final		0.10	0.10	uF	0.10	0.10	0.10	0.05	0.12	P

1 Event Classification

Iclass		40.5	40.5	mA	40.5	40.5	40.5	36.0	44.0	P
ClassNum		4	4		4	4		0	4	P
Tclass		0.001	0.001	sec	0.001	0.001	0.001	0.000	0.005	P
ClassStability		1	1					1	1	P
Iclass_at_Vmin		41.0	40.7	mA	40.7	41.0	40.9	36.0	44.0	P
Iclass_at_Vmax		41.2	40.8	mA	40.8	41.2	41.0	36.0	44.0	P

2 Event Classification

Iclass_event1		40.6	40.5	mA	40.5	40.6	40.5	36.0	44.0	P
Iclass_event2		40.6	40.6	mA	40.6	40.6	40.6	36.0	44.0	P
Markl		0.87	0.87	mA	0.87	0.87	0.87	0.25	4.00	P
ClassNum2		4	4		4	4		0	4	P
Tclass_event1		0.001	0.001	sec	0.001	0.001	0.001	0.000	0.005	P
Tclass_event2		0.000	0.001	sec	0.000	0.001	0.000	0.000	0.005	P
ClassStability_event1		1	1					1	1	P
ClassStability_event2		1	1					1	1	P

Power-Up / Down

Parameter	Cycle:	1	2	Units	Min.	Max.	Average	Low Lim.	High Lim.	P/F
Inrush_1		15.7	16.3	mA	15.7	16.3	16.0	0.0	400.0	P
Inrush_2		16.9	16.9	mA	16.9	16.9	16.9	0.0	400.0	P
Pmax_Tdelay		0.9	0.9	W	0.9	0.9	0.9	0.0	14.4	P
Inrush_delayed		0	0		0	0		0	0	P
Von		37.8	37.8	VDC	37.8	37.8	37.8	30.0	42.0	P
Voff		31.3	31.3	VDC	31.3	31.3	31.3	30.0	37.0	P
Vhyst		6.5	6.5	VDC	6.5	6.5	6.5	0.1	12.0	P
BackfeedV		0.0	0.0	VDC	0.0	0.0	0.0	0.0	2.8	P
ClassRecover		0	0		0	0		0	0	P
SigRecoverTime		0.0	0.0	sec	0.0	0.0	0.0	0.0	30.0	P

MDI Powered Type-1

PSE Emulation: On Time: 10 sec Off Time: 10 sec Vport: 37.0

Parameter	Cycle:	1	2	Units	Min.	Max.	Average	Low Lim.	High Lim.	P/F
Minl_1		8.7	8.7	mA	8.7	8.7	8.7	0.0	394.5	P
Maxl_1		278.5	278.4	mA	278.4	278.5	278.4	10.0	394.5	P
Vport_1		36.5	36.5	VDC	36.5	36.5	36.5	37.0	57.0	INFO
Ppeak_1		10.17	10.16	W	10.16	10.17	10.16	0.0	14.4	P
Pavg_1		10.15	10.15	W	10.15	10.15	10.15	0.0	13.0	P
MPSViolation_1		0	0		0	0		0	0	P
TcutWindowViolation_1		0	0		0	0		0	0	P
DutyCycleViolation_1		0	0		0	0		0	0	P

MDI Powered Type-2 PHY

PSE Emulation: On Time: 10 sec Off Time: 10 sec Vport: 42.5

Parameter	Cycle:	1	2	Units	Min.	Max.	Average	Low Lim.	High Lim.	P/F
Minl_2		9.9	10.3	mA	9.9	10.3	10.1	0.0	675.0	P
Maxl_2		320.8	320.5	mA	320.5	320.8	320.6	10.0	675.0	P
Vport_2		42.0	42.0	VDC	42.0	42.0	42.0	42.5	57.0	INFO
Ppeak_2		13.45	13.45	W	13.45	13.45	13.45	0.0	28.3	P
Pavg_2		13.43	13.43	W	13.43	13.43	13.43	0.0	25.5	P
MPSViolation_2		0	0		0	0		0	0	P
TcutWindowViolation_2		0	0		0	0		0	0	P
DutyCycleViolation_2		0	0		0	0		0	0	P

MDI Powered Type-2 LLDP

PSE Emulation: On Time: -1 sec Off Time: 10 sec Vport: -1.0

Parameter	Cycle:	1	2	Units	Min.	Max.	Average	Low Lim.	High Lim.	P/F
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NOTE: Type-2 testing did not include LLDP, so PD Data Link Layer characteristics were not checked.