

Enhanced Test Condition

PSE Conformance Test Suite

February 12 2025 4:24 PM

Port Count..... 1

Loop Count..... 1

PSE Tested: **Unspecified Type-2 30W**



802.3at Conformance Report

version 5.3.14

Test Mode: **30 Watt PHY**

report version 5.3.08

Sifos Interop Index*: 100%

Error Log: C:/Users/Public/Sifos/PSA3000/Results/192.168.221.105/psa_error_log.txt

Chassis ID: 192.168.221.105

PSA-3000 Ports

TestLoop: 1

	1-1	UNITS	Min	Max	Average	Low Limit	P/F	High Limit	P/F
Test: det_v									
Not_Measured	See Log!	N/A	0	0					
Test: det_i									
Not_Measured	See Log!	N/A	0	0					
Test: det_range									
Not_Measured	See Log!	N/A	0	0					
Test: det_time									
Not_Measured	See Log!	N/A	0	0					
Test: det_rsource									
Not_Measured	See Log!	N/A	0	0					
Test: class_v									
Not_Measured	See Log!	N/A	0	0					
Test: class_time									
Not_Measured	See Log!	N/A	0	0					
Test: class_err									
Not_Measured	See Log!	N/A	0	0					
Test: pwrup_time									
Not_Measured	See Log!	N/A	0	0					
Test: pwrup_inrush									
Not_Measured	See Log!	N/A	0	0					
Test: pwron_v									
Vport_min=	52.7	V	52.7	52.7	52.7	50	Pass	57	Pass
Vport_max=	53.5	V	53.5	53.5	53.5	50	Pass	57	Pass
Vport_ripple=	27	mVpp	27	27	27	0	Pass	500	Pass
Vport_noise=	20	mVpp	20	20	20	0	Pass	200	Pass

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Vtrans_min=	52.4	V	52.4	52.4	52.4	50	Pass	57	Pass
Vtrans_max=	53.7	V	53.7	53.7	53.7	50	Pass	57	Pass
Test: pwrn_pwrkap									
Pcon_c0=	18.5	W	18.5	18.5	18.5	14.2	Pass	22.7	Pass
Icon_%_c0=	133.8	%	133.8	133.8	133.8	100	Pass	9999	Pass
Pcon_c1=	4.6	W	4.6	4.6	4.6	3.9	Pass	22.7	Pass
Icon_%_c1=	116.5	%	116.5	116.5	116.5	100	Pass	9999	Pass
Pcon_c2=	8.2	W	8.2	8.2	8.2	6.8	Pass	22.7	Pass
Icon_%_c2=	122.2	%	122.2	122.2	122.2	100	Pass	9999	Pass
Pcon_c3=	18.5	W	18.5	18.5	18.5	14.2	Pass	22.7	Pass
Icon_%_c3=	133.8	%	133.8	133.8	133.8	100	Pass	9999	Pass
Pcon_c4=	32.5	W	32.5	32.5	32.5	28.7	Pass	38.9	Pass
Icon_%_c4=	110.7	%	110.7	110.7	110.7	100	Pass	9999	Pass
Type-2_Enable=	1	****	1	1	1	1	Pass	1	Pass
Test: pwrn_maxi									
Ilim_Peak_1=	482.5	mA	482.5	482.5	482.5	0	Pass	1750	Pass
Ilim_Min_1=	403.5	mA	403.5	403.5	403.5	400	Pass	1750	Pass
Tlim_1=	61.7	msec	61.7	61.7	61.7	10	Pass	9999	Pass
Vlim_1=	52.8	V	52.8	52.8	52.8	50	Pass	57	Pass
Ilim_Max_1=	497	mA	497	497	497	400	Pass	1750	Pass
Ktran_lo_1=	105.5	%	105.5	105.5	105.5	92.4	Pass	115	Pass
Ilim_Peak_2=	841.3	mA	841.3	841.3	841.3	0	Pass	1750	Pass
Ilim_Min_2=	687	mA	687	687	687	683	Pass	1750	Pass
Tlim_2=	61.3	msec	61.3	61.3	61.3	10	Pass	75	Pass
Vlim_2=	52.4	V	52.4	52.4	52.4	50	Pass	57	Pass
Ilim_Max_2=	856.5	mA	856.5	856.5	856.5	683	Pass	1750	Pass
Ktran_lo_2=	104.5	%	104.5	104.5	104.5	92.4	Pass	115	Pass
Test: pwrn_overld									
%Ipeak_1=	125	%	125	125	125	100	Pass	125	Pass
Vport_Ipeak_1=	53	V	53	53	53	50	Pass	57	Pass
Vport_5%DC_1=	53	V	53	53	53	50	Pass	57	Pass
%Ipeak_2=	106.3	%	106.3	106.3	106.3	100	Pass	125	Pass
Vport_Ipeak_2=	52.5	V	52.5	52.5	52.5	50	Pass	57	Pass
Vport_5%DC_2=	52.5	V	52.5	52.5	52.5	50	Pass	57	Pass
Test: mps_dc_valid									

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Min_Valid_Time_Tmps=	10	msec	10	10	10	1	Pass	60	Pass
Duty_Cycle_tol=	1	****	1	1	1	1	Pass	1	Pass
Test: mps_dc_pwrtn									
Min_Valid_I_hold=	6	mA	6	6	6	5	Pass	10	Pass
Time-to-Shutdown_Tmpdo=	361	msec	361	361	361	300	Pass	400	Pass
Test: pwrtn_overld									
Icut_1=	382	mA	382	382	382	-1	Pass	1750	Pass
Tcut_1=	61.3	msec	61.3	61.3	61.3	50	Pass	9999	Pass
Isoft_1=	-1	mA	-1	-1	-1	-1	Pass	683	Pass
Tsoft_1=	-1	msec	-1	-1	-1	-1	Pass	2000	Pass
Icut_2=	648	mA	648	648	648	-1	Pass	1750	Pass
Tcut_2=	61.9	msec	61.9	61.9	61.9	10	Pass	9999	Pass
Isoft_2=	-1	mA	-1	-1	-1	-1	Pass	683	Pass
Tsoft_2=	-1	msec	-1	-1	-1	-1	Pass	2000	Pass
Test: pwrtn_time									
Turn-Off_Time_Toff=	7.8	msec	7.8	7.8	7.8	0	Pass	500	Pass
Output_Cap_Cout=	0.0435	uF	0.0435	0.0435	0.04	-1	Pass	0.52	Pass
Output_Load_Rp=	78.7	Kohm	78.7	78.7	79	45	Pass	50000	Pass
Test: pwrtn_v									
Avg_Idle_Voff=	0.2	V	0.2	0.2	0.2	0	Pass	2.8	Pass
Error_Delay_Ted=	1773.4	msec	1773.4	1773.4	1773	750	Pass	10000	Pass
Peak_Error_Delay_Ved=	1.4	V	1.4	1.4	1.4	0	Pass	20.5	Pass
Test Port Model Number:	3202								
Test Port Hardware Version:	11								
Test Port Firmware Version:	4.19 lc19								