

PSE Conformance Test Suite

Port Count: 1
Loop Count: 1
PSE Tested: Unspecified Type-2802.3at Conformance Report
Test Mode: 30 Watt PHY
Silica Interop Index: 88%
Error Log: 0 Program Files Silica PSE A1000 Results 192 168 221 136 Pass error 30

Chassis ID: 192.168.221.105

Test Loop: 1

PSA-3000 Ports		Min	Max	Average	Low Limit	P/F	High Limit	P/F
1-1 UNITS								
Test: det_v								
Open_Circuit_Volt	25.00 volts	25.00	25.00	25.00	2.8	Pass	30	Pass
Max_Volt_Volts	7.10 volts	7.10	7.10	7.10	2.8	Pass	10	Pass
Min_Volt_Volts	4.50 volts	4.50	4.50	4.50	2.8	Pass	9	Pass
Det_Volt_Slope_Volts	2.57 volts	2.57	2.57	2.57	1	Pass	7.2	Pass
Det_Volt_Slope_Volts	0	0	0	0	0	Pass	0.1	Pass
Good_Sig_Det_Volts	0	0	0	0	1	Pass	9	Pass
Backoff_Voltage	0.4 volts	0.4	0.4	0.4	0	Pass	2.8	Pass
Min_Volts_Volts	0	0	0	0	0	Pass	0.1	Pass
High_Sig_HighV	11.30 volts	11.30	11.30	11.4	3.8	Pass	11	Info
Max_R25_Volts_Volts	0	0	0	0	0	Pass	0	Pass
Det_Volt_Slope_Volts	0	0	0	0	0	Pass	2	Pass
Test: det_i								
Full_Current_Amps	0.16 mA	0.16	0.16	0.16	0	Pass	5	Pass
Net_Current_Amps	0.21 mA	0.21	0.21	0.21	0	Pass	5	Pass
Test: det_range								
Good_Sig	29 KOhm	29	29	29	26	Pass	32	Pass
Good_Sig	17 KOhm	17	17	17	16	Pass	19	Pass
Net_Sig	29 KOhm	29	29	29	26	Pass	33	Pass
Good_Sig	0.1 uF	0.1	0.1	0.1	0	Pass	10	Pass
Good_Sig_Slope	0	0	0	0	0	Pass	0	Pass
Test: det_time								
Backoff_Time_Slope	63 msec	63	63	63	-1	Pass	1500	Pass
Eff_Backoff_Time_uF	63 msec	63	63	63	-1	Pass	1500	Pass
Backoff_Type	0	0	0	0	0	Pass	0	Pass
Det_Volts_Time_Slope	307 msec	307	307	307	2	Pass	500	Pass
Total_Det_Time	307 msec	307	307	307	5	Pass	1000	Pass
Test: det_resonance								
Output_Impedance_Slope	450 KOhm	450	450	450	45	Pass	2000	Pass
Test: class_v								
Class_Voltage_Volts	10 volts	10	10	10	15.5	Pass	20.5	Pass
Class_Volts_Volts	10 volts	10	10	10	15.5	Pass	20.5	Pass
Max_Voltage_Volts	9.3 volts	9.3	9.3	9.3	7	Pass	10	Pass
Max_Voltage_Volts	9.2 volts	9.2	9.2	9.2	7	Pass	10	Pass
Test: class_time								
Event_Count	2	2	2	2	2	Pass	3	Pass
Event2_Volts	9.3 msec	9.3	9.3	9.3	5.6	Pass	30	Pass
Event2_Volts	8.5 msec	8.5	8.5	8.5	5.6	Pass	30	Pass
Max_Slope	6.2 msec	6.2	6.2	6.2	5.6	Pass	12.4	Pass
Max_Slope	7.2 msec	7.2	7.2	7.2	5.6	Pass	3.76	Pass
Test: class_err								
Class_Low	76 mA	76	76	76	51	Pass	100	Pass
Per_Cl_Low	0	0	0	0	0	Pass	0	Pass
Per_Cl_Slow	0	0	0	0	0	Pass	0	Pass
Max_Low	0 mA	0	0	0	0	Pass	100	Pass
Per_Cl_Slow	1	1	1	1	0	Pass	0	Fail
Transit	-1 msec	-1	-1	-1	15	Fail	10000	Pass
Test: perop_time								
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Test: perop_latency								
Latency_Volts	417.75 mA	417.75	417.75	417.8	400	Pass	450	Pass
Max_Latency_Volts	417.25 mA	417.25	417.25	417.3	400	Pass	450	Pass
Max_Latency	418.25	418.25	418.25	418.3	400	Pass	450	Pass
Latency	59.2 msec	59.2	59.2	59.2	50	Pass	75	Pass
Latency_Volts	53.9 Volts	53.9	53.9	53.9	50	Pass	57	Pass
Latency_Volts	31.1 Volts	31.1	31.1	31.1	30	Pass	57	Pass
Max_Latency	501.5 mA	501.5	501.5	501.5	0	Pass	2000	Pass
Latency_Volts_Volts	0	0	0	0	0	Pass	1	Pass
Test: perop_v								
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Test: perop_peropcap								
Open_Circuit_Volts	15.4 volts	15.4	15.4	15.4	38	Fail	38.9	Pass
Open_Circuit_Volts	62.7 %	62.7	62.7	62.7	100	Fail	9999	Pass
Type-2_Slope	0	0	0	0	1	Fail	1	Pass
Test: perop_max								
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Test: perop_overall								
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Test: sigs_de_valid								
Min_Valid_Time_Volts	110 msec	110	110	110	1	Pass	60	Fail
Min_Valid_Time_Volts	1	1	1	1	1	Pass	1	Pass
Test: sigs_de_perop								
Min_Valid_Time_Volts	8 mA	8	8	8	5	Pass	10	Pass
Time-to-Discharge_Volts	360 msec	360	360	360	300	Pass	400	Pass
Max_Voltage_Volts_Volts	25 volts	25	25	25	-1	Pass	30	Pass
Test: perop_overall								
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Not_Measured	See Log	N/A	0	0				
Test: perop_time								
Open_Circuit_Volts	21 mSec	21	21	21	0	Pass	300	Pass
Output_Cap_Volts	0.0835 uF	0.0835	0.0835	0.08	-1	Pass	0.02	Pass
Output_Cap_Volts	121.2 KOhm	121.2	121.2	121	45	Pass	50000	Pass
Test: perop_v								
Avg_Volts_Volts	0.1 VDC	0.1	0.1	0.1	0	Pass	2.8	Pass
Error_Delay_Volts	1132.8 msec	1132.8	1132.8	1133	750	Pass	10000	Pass
Test_Port_Model_Number	15	VDC	15	15	0	Pass	20.5	Pass
Test_Port_Hardware_Version	0							
Test_Port_Firmware_Version	4.0c							