svtStatusPS_latest.adl <@clon10>

HPS SVT POWER SUPPLIES

WARNING
TO BE USED BY SVT EXPERTS ONLY !

TOP SVT

	ON/OFF	MEASURED CURRENTS			V READBACK
		DVDD	AVDD	V125	BIAS
Hybrid 0	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 1	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 2	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 3	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 4	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 5	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 6	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 7	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 8	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 9	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 10	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 11	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 12	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 13	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 14	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 15	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 16	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias
Hybrid 17	0...1...	B_hv_TOF	B_hv_TOF	B_hv_TOF	SVT:bias

BOTTOM SVT

	ON/OFF	MEASURED CURRENTS			V READBACK
		DVDD	AVDD	V125	BIAS
Hybrid 0	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 1	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 2	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 3	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 4	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 5	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 6	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 7	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 8	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 9	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 10	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 11	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 12	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 13	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 14	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 15	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 16	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias
Hybrid 17	0...1...	B_hv_BOT	B_hv_BOT	B_hv_BOT	SVT:bias

LOW VOLTAGES

Hybrid 0
Hybrid 1
Hybrid 2
Hybrid 3
Hybrid 4
Hybrid 5
Hybrid 6
Hybrid 7
Hybrid 8
Hybrid 9
Hybrid 10
Hybrid 11
Hybrid 12
Hybrid 13
Hybrid 14
Hybrid 15
Hybrid 16
Hybrid 17

BIAS

Bias

FE Low Voltages

FE Low Voltages

Flange Boards

Flange Boards

SVT Temperature C_t_v_LCW

Mass Flow t_v_LCW

Vacuum Pressure hallb_VCG2C24

Power Supply Interlock

Channel Name	Crate Slot Channel	Measured Voltage	Voltage Setpoint	Voltage Setpoint Readback	HV On/Off	Channel Status	Measured Current	Trip Current Setpoint	Trip Current Readback	Ramp Up Rate Setpoint	Ramp Up Rate Readback	Ramp Down Rate Setpoint	Ramp Down Rate Readback

Top

| SVT TOP 0 |
| SVT TOP 1 |
| SVT TOP 2 |
| SVT TOP 3 |
| SVT TOP 4 |
| SVT TOP 5 |
| SVT TOP 6 |
| SVT TOP 7 |
| SVT TOP 8 |
| SVT TOP 9 |
| SVT TOP 10 |
| SVT TOP 11 |
| SVT TOP 12 |
| SVT TOP 13 |
| SVT TOP 14 |
| SVT TOP 15 |
| SVT TOP 16 |
| SVT TOP 17 |

Bottom

| SVT BOT 0 |
| SVT BOT 1 |
| SVT BOT 2 |
| SVT BOT 3 |
| SVT BOT 4 |
| SVT BOT 5 |
| SVT BOT 6 |
| SVT BOT 7 |
| SVT BOT 8 |
| SVT BOT 9 |
| SVT BOT 10 |
| SVT BOT 11 |
| SVT BOT 12 |
| SVT BOT 13 |
| SVT BOT 14 |
| SVT BOT 15 |
| SVT BOT 16 |
| SVT BOT 17 |

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Top

Channel Name	Crate Slot Channel	Measured Voltage	Voltage Setpoint	Voltage Setpoint Readback	HV On/Off	Channel Status	Measured Current	Trip Current Setpoint	Trip Current Readback	Ramp Up Rate Setpoint	Ramp Up Rate Readback	Ramp Down Rate Setpoint	Ramp Down Rate Readback
SVT TOP 0		0.039	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000
SVT TOP 1		2.054	0.000	2.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000
SVT TOP 2		2.009	0.000	2.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000
SVT TOP 3		0.054	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000
SVT TOP 4		0.042	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000
SVT TOP 5		0.042	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000
SVT TOP 6		0.043	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 7		0.042	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 8		0.046	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 9		0.058	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 10		0.031	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 11		0.045	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 12		0.030	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 13		0.043	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	5.000	0.000	5.000
SVT TOP 14		0.041	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT TOP 15		0.058	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT TOP 16		0.031	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT TOP 17		0.098	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000

Bottom

Channel Name	Crate Slot Channel	Measured Voltage	Voltage Setpoint	Voltage Setpoint Readback	HV On/Off	Channel Status	Measured Current	Trip Current Setpoint	Trip Current Readback	Ramp Up Rate Setpoint	Ramp Up Rate Readback	Ramp Down Rate Setpoint	Ramp Down Rate Readback
SVT BOT 0		0.065	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 1		0.059	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 2		0.053	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 3		0.036	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 4		0.015	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 5		0.042	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 6		0.043	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 7		0.032	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	8.000	0.000	8.000
SVT BOT 8		0.097	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 9		0.048	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 10		0.060	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 11		0.052	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 12		0.065	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 13		0.028	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 14		0.060	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 15		0.046	0.000	0.000	OFF ON	■	0.000	0.000	0.000	0.000	5.000	0.000	5.000
SVT BOT 16		0.039	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000
SVT BOT 17		0.048	0.000	0.000	OFF ON	■	0.000	0.000	0.010	0.000	1.000	0.000	1.000

Channel Name	Crate Slot Channel	Measured Sense Voltage	Measured Terminal Voltage	Voltage Setpoint	Voltage Setpoint Readback	LV On/Off	Channel Status	Measured Current	Max Current Setpoint	Max Current Readback	Trip Current Setpoint	Trip Current Readback	Max Sens Voltage Setpoint	Max Sens Voltage Readback	Max Term Voltage Setpoint	Max Term Voltage Readback	Ramp Up Rate Setpoint	Ramp Up Rate Readback	Ramp Down Rate Setpoint	Ramp Down Rate Readback
SVT FE ANAN 0																				
SVT FE ANAP 0																				
SVT FE DIGI 0																				
SVT FE ANAN 1																				
SVT FE ANAP 1																				
SVT FE DIGI 1																				
SVT FE ANAN 2																				
SVT FE ANAP 2																				
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SVT FE ANAN 9																				
SVT FE ANAP 9																				
SVT FE DIGI 9																				

Channel Name	Crate Slot Channel	Measured Sense Voltage	Measured Terminal Voltage	Voltage Setpoint	Voltage Setpoint Readback	LV On/Off	Channel Status	Measured Current	Max Current Setpoint	Max Current Readback	Trip Current Setpoint	Trip Current Readback	Max Sens Voltage Setpoint	Max Sens Voltage Readback	Max Term Voltage Setpoint	Max Term Voltage Readback	Ramp Up Rate Setpoint	Ramp Up Rate Readback	Ramp Down Rate Setpoint	Ramp Down Rate Readback
SVT FE ANAN 0		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAP 0		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE DIGI 0		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAN 1		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.050	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAP 1		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE DIGI 1		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAN 2		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAP 2		3.249	3.249	0.000	3.250	OFF ON	green	0.001	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE DIGI 2		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.000	0.000	8.000	0.000	5.000	0.000	5.000
SVT FE ANAN 3		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.000	0.000	8.000	0.000	5.000	0.000	5.000
SVT FE ANAP 3		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.000	0.000	8.000	0.000	5.000	0.000	5.000
SVT FE DIGI 3		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	5.000	0.000	8.000	0.000	4.000	0.000	5.000	0.000	5.000
SVT FE ANAN 4		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.000	0.000	8.000	0.000	5.000	0.000	5.000
SVT FE ANAP 4		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.000	0.000	8.000	0.000	5.000	0.000	5.000
SVT FE DIGI 4		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.000	0.000	8.000	0.000	5.000	0.000	5.000
SVT FE ANAN 5		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.000	0.000	8.000	0.000	5.000	0.000	5.000
SVT FE ANAP 5		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE DIGI 5		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAN 6		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	5.000	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAP 6		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE DIGI 6		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAN 7		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAP 7		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE DIGI 7		0.000	0.000	0.000	3.250	OFF ON	red	0.000	0.000	0.500	0.000	0.500	0.000	8.080	0.000	8.080	0.000	5.000	0.000	5.000
SVT FE ANAN 8		0.000	0.000	0.000	0.000	OFF ON	red	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SVT FE ANAP 8		0.000	0.000	0.000	0.000	OFF ON	red	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SVT FE DIGI 8		0.000	0.000	0.000	0.000	OFF ON	red	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SVT FE ANAN 9		0.000	0.000	0.000	0.000	OFF ON	red	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SVT FE ANAP 9		0.000	0.000	0.000	0.000	OFF ON	red	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SVT FE DIGI 9		0.000	0.000	0.000	0.000	OFF ON	red	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ECalStatus -- Very much a work in progress but at least the geometry is done!