

HPS SVT POWER SUPPLIES

WARNING

TO BE USED BY SVT EXPERTS ONLY !

TOP SVT

BOTTOM SVT

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

	ON/OFF	MEASURED CURRENTS			V READBACK
		IVDD	AVDD	V125	BIAS
Hybrid 0		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 1		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 2		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 3		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 4		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 5		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 6		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 7		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 8		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 9		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 10		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 11		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 12		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 13		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 14		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 15		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 16		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae
Hybrid 17		B_hv_B01	B_hv_B01	B_hv_B01	SVT:biae

LOW VOLTAGES

BIAS

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

FE Low Voltages

Flange Boards

SVT Temperature t_v_LCk

Mass Flow t_v_LCk

Vacuum Pressure hal1b_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		as:top:0:		:top:0:v	0...1...	█	ias:top:0		:top:0:i		:top:0:w		top:0:v
SVT TOP 1		as:top:1:		:top:1:v	0...1...	█	ias:top:1		:top:1:i		:top:1:w		top:1:v
SVT TOP 2		as:top:2:		:top:2:v	0...1...	█	ias:top:2		:top:2:i		:top:2:w		top:2:v
SVT TOP 3		as:top:3:		:top:3:v	0...1...	█	ias:top:3		:top:3:i		:top:3:w		top:3:v
SVT TOP 4		as:top:4:		:top:4:v	0...1...	█	ias:top:4		:top:4:i		:top:4:w		top:4:v
SVT TOP 5		as:top:5:		:top:5:v	0...1...	█	ias:top:5		:top:5:i		:top:5:w		top:5:v
SVT TOP 6		as:top:6:		:top:6:v	0...1...	█	ias:top:6		:top:6:i		:top:6:w		top:6:v
SVT TOP 7		as:top:7:		:top:7:v	0...1...	█	ias:top:7		:top:7:i		:top:7:w		top:7:v
SVT TOP 8		as:top:8:		:top:8:v	0...1...	█	ias:top:8		:top:8:i		:top:8:w		top:8:v
SVT TOP 9		as:top:9:		:top:9:v	0...1...	█	ias:top:9		:top:9:i		:top:9:w		top:9:v
SVT TOP 10		s:top:10:		:top:10:v	0...1...	█	as:top:10		:top:10:i		:top:10:w		top:10:v
SVT TOP 11		s:top:11:		:top:11:v	0...1...	█	as:top:11		:top:11:i		:top:11:w		top:11:v
SVT TOP 12		s:top:12:		:top:12:v	0...1...	█	as:top:12		:top:12:i		:top:12:w		top:12:v
SVT TOP 13		s:top:13:		:top:13:v	0...1...	█	as:top:13		:top:13:i		:top:13:w		top:13:v
SVT TOP 14		s:top:14:		:top:14:v	0...1...	█	as:top:14		:top:14:i		:top:14:w		top:14:v
SVT TOP 15		s:top:15:		:top:15:v	0...1...	█	as:top:15		:top:15:i		:top:15:w		top:15:v
SVT TOP 16		s:top:16:		:top:16:v	0...1...	█	as:top:16		:top:16:i		:top:16:w		top:16:v
SVT TOP 17		s:top:17:		:top:17:v	0...1...	█	as:top:17		:top:17:i		:top:17:w		top:17:v
Bottom													
SVT BOT 0		as:bot:0:		:bot:0:v	0...1...	█	ias:bot:0		:bot:0:i		:bot:0:w		bot:0:v
SVT BOT 1		as:bot:1:		:bot:1:v	0...1...	█	ias:bot:1		:bot:1:i		:bot:1:w		bot:1:v
SVT BOT 2		as:bot:2:		:bot:2:v	0...1...	█	ias:bot:2		:bot:2:i		:bot:2:w		bot:2:v
SVT BOT 3		as:bot:3:		:bot:3:v	0...1...	█	ias:bot:3		:bot:3:i		:bot:3:w		bot:3:v
SVT BOT 4		as:bot:4:		:bot:4:v	0...1...	█	ias:bot:4		:bot:4:i		:bot:4:w		bot:4:v
SVT BOT 5		as:bot:5:		:bot:5:v	0...1...	█	ias:bot:5		:bot:5:i		:bot:5:w		bot:5:v
SVT BOT 6		as:bot:6:		:bot:6:v	0...1...	█	ias:bot:6		:bot:6:i		:bot:6:w		bot:6:v
SVT BOT 7		as:bot:7:		:bot:7:v	0...1...	█	ias:bot:7		:bot:7:i		:bot:7:w		bot:7:v
SVT BOT 8		as:bot:8:		:bot:8:v	0...1...	█	ias:bot:8		:bot:8:i		:bot:8:w		bot:8:v
SVT BOT 9		as:bot:9:		:bot:9:v	0...1...	█	ias:bot:9		:bot:9:i		:bot:9:w		bot:9:v
SVT BOT 10		s:bot:10:		:bot:10:v	0...1...	█	as:bot:10		:bot:10:i		:bot:10:w		bot:10:v
SVT BOT 11		s:bot:11:		:bot:11:v	0...1...	█	as:bot:11		:bot:11:i		:bot:11:w		bot:11:v
SVT BOT 12		s:bot:12:		:bot:12:v	0...1...	█	as:bot:12		:bot:12:i		:bot:12:w		bot:12:v
SVT BOT 13		s:bot:13:		:bot:13:v	0...1...	█	as:bot:13		:bot:13:i		:bot:13:w		bot:13:v
SVT BOT 14		s:bot:14:		:bot:14:v	0...1...	█	as:bot:14		:bot:14:i		:bot:14:w		bot:14:v
SVT BOT 15		s:bot:15:		:bot:15:v	0...1...	█	as:bot:15		:bot:15:i		:bot:15:w		bot:15:v
SVT BOT 16		s:bot:16:		:bot:16:v	0...1...	█	as:bot:16		:bot:16:i		:bot:16:w		bot:16:v
SVT BOT 17		s:bot:17:		:bot:17:v	0...1...	█	as:bot:17		:bot:17:i		:bot:17:w		bot:17:v

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		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													
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		Fe:0:anar	Fe:0:anar		:0:anar:	0...1...		Fe:0:ana		:0:anar:		:anar:1...		an:v_ma		an:v_ma		0:anar:		0:anar:	
SVT FE ANAP 0		Fe:0:anap	Fe:0:anap		:0:anap:	0...1...		Fe:0:ana		:0:anap:		:anap:1...		ap:v_ma		ap:v_ma		0:anap:		0:anap:	
SVT FE DIGI 0		Fe:0:digi	Fe:0:digi		:0:digi:	0...1...		Fe:0:dig		:0:digi:		:digi:1...		gi:v_ma		gi:v_ma		0:digi:		0:digi:	
SVT FE ANAN 1		Fe:1:anar	Fe:1:anar		:1:anar:	0...1...		Fe:1:ana		:1:anar:		:anar:1...		an:v_ma		an:v_ma		1:anar:		1:anar:	
SVT FE ANAP 1		Fe:1:anap	Fe:1:anap		:1:anap:	0...1...		Fe:1:ana		:1:anap:		:anap:1...		ap:v_ma		ap:v_ma		1:anap:		1:anap:	
SVT FE DIGI 1		Fe:1:digi	Fe:1:digi		:1:digi:	0...1...		Fe:1:dig		:1:digi:		:digi:1...		gi:v_ma		gi:v_ma		1:digi:		1:digi:	
SVT FE ANAN 2		Fe:2:anar	Fe:2:anar		:2:anar:	0...1...		Fe:2:ana		:2:anar:		:anar:1...		an:v_ma		an:v_ma		2:anar:		2:anar:	
SVT FE ANAP 2		Fe:2:anap	Fe:2:anap		:2:anap:	0...1...		Fe:2:ana		:2:anap:		:anap:1...		ap:v_ma		ap:v_ma		2:anap:		2:anap:	
SVT FE DIGI 2		Fe:2:digi	Fe:2:digi		:2:digi:	0...1...		Fe:2:dig		:2:digi:		:digi:1...		gi:v_ma		gi:v_ma		2:digi:		2:digi:	
SVT FE ANAN 3		Fe:3:anar	Fe:3:anar		:3:anar:	0...1...		Fe:3:ana		:3:anar:		:anar:1...		an:v_ma		an:v_ma		3:anar:		3:anar:	
SVT FE ANAP 3		Fe:3:anap	Fe:3:anap		:3:anap:	0...1...		Fe:3:ana		:3:anap:		:anap:1...		ap:v_ma		ap:v_ma		3:anap:		3:anap:	
SVT FE DIGI 3		Fe:3:digi	Fe:3:digi		:3:digi:	0...1...		Fe:3:dig		:3:digi:		:digi:1...		gi:v_ma		gi:v_ma		3:digi:		3:digi:	
SVT FE ANAN 4		Fe:4:anar	Fe:4:anar		:4:anar:	0...1...		Fe:4:ana		:4:anar:		:anar:1...		an:v_ma		an:v_ma		4:anar:		4:anar:	
SVT FE ANAP 4		Fe:4:anap	Fe:4:anap		:4:anap:	0...1...		Fe:4:ana		:4:anap:		:anap:1...		ap:v_ma		ap:v_ma		4:anap:		4:anap:	
SVT FE DIGI 4		Fe:4:digi	Fe:4:digi		:4:digi:	0...1...		Fe:4:dig		:4:digi:		:digi:1...		gi:v_ma		gi:v_ma		4:digi:		4:digi:	
SVT FE ANAN 5		Fe:5:anar	Fe:5:anar		:5:anar:	0...1...		Fe:5:ana		:5:anar:		:anar:1...		an:v_ma		an:v_ma		5:anar:		5:anar:	
SVT FE ANAP 5		Fe:5:anap	Fe:5:anap		:5:anap:	0...1...		Fe:5:ana		:5:anap:		:anap:1...		ap:v_ma		ap:v_ma		5:anap:		5:anap:	
SVT FE DIGI 5		Fe:5:digi	Fe:5:digi		:5:digi:	0...1...		Fe:5:dig		:5:digi:		:digi:1...		gi:v_ma		gi:v_ma		5:digi:		5:digi:	
SVT FE ANAN 6		Fe:6:anar	Fe:6:anar		:6:anar:	0...1...		Fe:6:ana		:6:anar:		:anar:1...		an:v_ma		an:v_ma		6:anar:		6:anar:	
SVT FE ANAP 6		Fe:6:anap	Fe:6:anap		:6:anap:	0...1...		Fe:6:ana		:6:anap:		:anap:1...		ap:v_ma		ap:v_ma		6:anap:		6:anap:	
SVT FE DIGI 6		Fe:6:digi	Fe:6:digi		:6:digi:	0...1...		Fe:6:dig		:6:digi:		:digi:1...		gi:v_ma		gi:v_ma		6:digi:		6:digi:	
SVT FE ANAN 7		Fe:7:anar	Fe:7:anar		:7:anar:	0...1...		Fe:7:ana		:7:anar:		:anar:1...		an:v_ma		an:v_ma		7:anar:		7:anar:	
SVT FE ANAP 7		Fe:7:anap	Fe:7:anap		:7:anap:	0...1...		Fe:7:ana		:7:anap:		:anap:1...		ap:v_ma		ap:v_ma		7:anap:		7:anap:	
SVT FE DIGI 7		Fe:7:digi	Fe:7:digi		:7:digi:	0...1...		Fe:7:dig		:7:digi:		:digi:1...		gi:v_ma		gi:v_ma		7:digi:		7:digi:	
SVT FE ANAN 8		Fe:8:anar	Fe:8:anar		:8:anar:	0...1...		Fe:8:ana		:8:anar:		:anar:1...		an:v_ma		an:v_ma		8:anar:		8:anar:	
SVT FE ANAP 8		Fe:8:anap	Fe:8:anap		:8:anap:	0...1...		Fe:8:ana		:8:anap:		:anap:1...		ap:v_ma		ap:v_ma		8:anap:		8:anap:	
SVT FE DIGI 8		Fe:8:digi	Fe:8:digi		:8:digi:	0...1...		Fe:8:dig		:8:digi:		:digi:1...		gi:v_ma		gi:v_ma		8:digi:		8:digi:	
SVT FE ANAN 9		Fe:9:anar	Fe:9:anar		:9:anar:	0...1...		Fe:9:ana		:9:anar:		:anar:1...		an:v_ma		an:v_ma		9:anar:		9:anar:	
SVT FE ANAP 9		Fe:9:anap	Fe:9:anap		:9:anap:	0...1...		Fe:9:ana		:9:anap:		:anap:1...		ap:v_ma		ap:v_ma		9:anap:		9:anap:	
SVT FE DIGI 9		Fe:9:digi	Fe:9:digi		:9:digi:	0...1...		Fe:9:dig		:9:digi:		:digi:1...		gi:v_ma		gi:v_ma		9:digi:		9:digi:	

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

