

Macro cmd	0x45	0x54	0x72	0x73	0x75	0x77	0x80	0x81	0x83	0x84	0x85
Macro ID	0x525	0x624	0x802	0x803	0x805	0x827	0x900	0x901	0x903	0x914	0x905
Notes		From 0x604	From 0x504	Use 0x805	803+cswp. Use 0x814	From 0x817	From 0x624	From 0x624	From 0x624	From 0x624	From 0x525
Purpose	N, HF, swp	N, HF, swp	Vsc, HF	LDL, N, HF	DL, N, HF, Csw	DL, N, HF, sv	N, HF, swp	N, HF, swp	N, HF, swp	N, HF, swp	N, HF, swp
TM rate	NM	NM	BM	NM	NM	BM	BM	BM	BM	NM	NM
Bias mode	NN	NN	EE	N-	N-	N-	NN	NN	NN	NN	NN
Fix bias P1	+30 V	+30 V	float	+10 V	-20 V	-30 V	+30 V	+30 V	+30 V	-30 V	+30 V
Fix bias P2	-17 V	-30 V	float	MIP	MIP	MIP	-30 V	+30 V	+30 V	-30 V	-17 V
Gain/bias P1	hi	hi	float	hi	hi	hi	lo	hi	lo	hi	lo
Gain/bias P2	hi	hi	float	hi	-	-	hi	hi	lo	hi	hi
LF continuous data (ADC20)											
Sampled data	I1, I2	I1, I2	V1, V2	I1	I1	I1	I1, I2	I1, I2	I1, I2	I1, I2	I1, I2
Number of signals	2	2	2	1	1	1	2	2	2	2	2
Downsampling	128	1	1	32	64	1	1	1	1	1	128
fsamp [Hz]	0,45	57,80	57,80	1,81	0,90	57,80	57,80	57,80	57,80	57,80	0,45
Bits/sample transmitted	16	16	16	16	20	20	16	16	16	16	16
Samples/AQP/probe	14	1798	1798	55	28	1798	1798	1798	1798	1798	14
HF wave snapshots (ADC16)											
Sampled data	I1, I2	I1, I2	V1, V2	I1	I1	I1	I1, I2	I1, I2	I1, I2	I1, I2	I1, I2
Number of signals	2	2	2	1	1	1	2	2	2	2	2
Downsampling	1	1	1	1	1	1	1	1	1	1	1
fsamp [Hz]	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750
Samples	96	1600	432	160	160	3184	1600	1600	1600	1600	96
Cadency [AQPs]	5	5	1	3	5	2	5	5	5	5	5
Cadency [s]	160	160	32	96	160	64	160	160	160	160	160
Coarse sweeps (ADC16)											
Probes	P1, P2	P1, P2	.	.	P1	P1	P1, P2	P1, P2	P1, P2	P1, P2	P1, P2
Number of signals	2	2	0	0	1	1	2	2	2	2	2
Shape	/	/	.	.	/	/	/	/	/	/	/
Directions (1 or 2)	1	1	1	1	1	2	1	1	1	1	1
Cadency [AQPs]	5	5	1	3	5	2	5	5	5	5	5
Cadency [s]	160	160	32	32	160	64	160	160	160	160	160
Range [V]	[-17, +31]	[-30, +30]	.	.	[-22, 30]	[-30, +30]	[-30, +30]	[-30, +30]	[-30, +30]	[-30, +30]	[-17, +31]
Step [V]	0,5	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,5
Number of steps	96	240	240	240	208	240	240	240	240	240	96
Plateau duration [cycles]	256	256	0,0	0,0	128	128	256	256	256	256	256
Plateau duration [ms]	13,7	13,7	0,0	0,0	6,8	6,8	13,7	13,7	13,7	13,7	13,7
Downsampling	256	256	1	1	128	32	256	256	256	256	256
Samples per plateau	1	1	0	0	1	4	1	1	1	1	1
Samples/sweep/probe	103	247	6	6	215	970	247	247	247	247	103
Sweep duration [s]	1,41	3,37	0,00	0,00	1,47	1,66	3,37	3,37	3,37	3,37	1,41
Fine sweeps (ADC16)											
Probes	.	.	.	.	.	.	.	.	.	.	.
Number of signals	0	0	0	0	0	0	0	0	0	0	0
Shape	.	.	.	.	.	.	.	.	.	.	.
Cadency [AQPs]	1	1	1	1	1	1	1	1	1	1	1
Cadency [s]	32	32	32	32	32	32	32	32	32	32	32
Offset [V]	.	.	.	.	.	.	.	.	.	.	.
Range [V]	.	.	.	.	.	.	.	.	.	.	.
Step [mV]	.	.	.	.	.	.	.	.	.	.	.
Number of steps	.	.	.	.	.	.	.	.	.	.	.
Plateau duration [cycles]	.	.	.	.	.	.	.	.	.	.	.
Downsampling	.	.	.	.	.	.	.	.	.	.	.
Samples per plateau	.	.	.	.	.	.	.	.	.	.	.
Samples/sweep/probe	.	.	.	.	0	.	.	.	.	.	.
First upload	141206	141219	150520	PC10	141206	150731	150520	150520	141219	150731	150520
TM LF [bps]	14,0	1798,0	1798,0	27,5	17,5	1123,8	1798,0	1798,0	1798,0	1798,0	14,0
TM HF [bps]	19,2	320,0	432,0	26,7	16,0	796,0	320,0	320,0	320,0	320,0	19,2
TM CSwp [bps]	20,6	49,4	0,0	0,0	21,5	242,5	49,4	49,4	49,4	49,4	20,6
TM FSwp [bps]	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
TM total [bps]	53,8	2167,4	2230,0	54,2	55,0	2162,3	2167,4	2167,4	2167,4	2167,4	53,8

Field colour:
Green: currently preferred
non-LDL science macros
Orange: currently preferred
LDL science macros
Yellow: maintenance,
diagnostics, etc
White: superseded science
macros
Blue: ideas