

Macro cmd	0x14	0x43	0x44	0x45	0x54	0x67	0x70	0x71	0x72	0x73	0x75	0x77	0x80	0x81	0x83	0x85
Macro ID	0x204	0x503	0x504	0x525	0x624	0x707	0x800	0x801	0x802	0x803	0x805	0x807	0x900	0x901	0x903	0x905
Notes	Use 0x2926	Use 0x800			From 0x604	From 0x525	From 0x503	From 0x503	From 0x504	Use 0x805	803+cswp. Use 0x814		From 0x624	From 0x624	From 0x624	From 0x525
Purpose	Swp, HF	Vsc, HF	Vsc, HF	N, HF, swp	N, HF, swp	Cal 16vs20	Vsc, HF	Vsc, HF	Vsc, HF	LDL, N, HF	LDL, N, HF, Cswp	LDL, N, HF, swp	N, HF, swp	N, HF, swp	N, HF, swp	N, HF, swp
TM rate	BM	NM	BM	NM	NM	NM	NM	NM	BM	NM	NM	BM	BM	BM	BM	NM
Bias mode	NN	EE	EE	NN	NN	NN	EE	EE	EE	N-	N-	N-	NN	NN	NN	NN
Fix bias P1	0 V	-8 nA	-8 nA	+30 V	+30 V	0 V	-8 nA	float	float	+10 V	-20 V	+10 V	+30 V	+30 V	+30 V	+30 V
Fix bias P2	0 V	+3 nA	+3 nA	-17 V	-30 V	0 V	+3 nA	float	float	MIP	MIP	MIP	-30 V	+30 V	+30 V	-17 V
Gain/bias P1	hi	ibias	ibias	hi	hi	hi	ibias	float	float	hi	hi	hi	lo	hi	lo	lo
Gain/bias P2	hi	ibias	ibias	hi	hi	hi	ibias	float	float	hi	-	-	hi	hi	lo	hi
LF continuous data (ADC20)																
Sampled data	.	V1, V2	V1, V2	I1, I2	I1, I2	I1, I2	V1, V2	V1, V2	V1, V2	I1	I1	I1	I1, I2	I1, I2	I1, I2	I1, I2
Number of signals	0	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2
Downsampling	1	64	1	128	1	64	128	128	1	32	64	1	1	1	1	128
fsamp [Hz]	57,8	0,90	57,80	0,45	57,80	0,90	0,45	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	16	16	16	16	16	20	20	16	16	16	16	16
Samples/AQP/probe		28	1798	14	1798	24	14	14	1798	55	28	1798	1798	1798	1798	14
HF wave snapshots (ADC16)																
Sampled data	.	V1	V1, V2	I1, I2	I1, I2	I1, I2	V1, V2	V1, V2	V1, V2	I1	I1	I1	I1, I2	I1, I2	I1, I2	I1, I2
Number of signals	2	1	2	2	2	2	2	2	2	1	1	1	2	2	2	2
Downsampling	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
fsamp [Hz]	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750
Samples	2048	272	432	96	1600	96	192	192	432	160	160	4080	1600	1600	1600	96
Cadency [AQPs]	2	5	1	5	5	5	5	5	1	3	5	2	5	5	5	5
Cadency [s]	64	160	32	160	160	160	160	160	32	96	160	64	160	160	160	160
Coarse sweeps (ADC16)																
Probes	P1, P2	.	.	P1, P2	P1, P2	.	.	.	.	.	P1	P1	P1, P2	P1, P2	P1, P2	P1, P2
Number of signals	2	0	0	2	2	0	0	0	0	0	1	1	2	2	2	2
Shape	V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Directions (1 or 2)	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cadency [AQPs]	2	5	1	5	5	5	5	5	1	3	5	2	5	5	5	5
Cadency [s]	64	160	32	160	160	32	32	32	32	32	160	64	160	160	160	160
Range [V]	[-25, +25]			[-17, +31]	[-30, +30]						[-22, 30]	[-30, +30]	[-30, +30]	[-30, +30]	[-30, +30]	[-17, +31]
Step [V]	0,5	0,5	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,5
Number of steps	208	96	240	240	240	240	240	240	240	208	208	240	240	240	240	96
Plateau duration [cycles]	512	128	512	256	256	256	256	256	256	128	128	512	256	256	256	256
Plateau duration [ms]	27,3	13,7	13,7	13,7	13,7	13,7	13,7	13,7	13,7	6,8	6,8	27,3	13,7	13,7	13,7	13,7
Downsampling	64	1	1	256	256	1	1	1	1	1	128	128	256	256	256	256
Samples per plateau	8	0	0	1	1	0	0	0	0	0	1	4	1	1	1	1
Samples/sweep/probe	1678	6	6	103	247	6	6	6	6	6	215	970	247	247	247	103
Sweep duration [s]	5,73	0,00	0,00	1,41	3,37	0,00	0,00	0,00	0,00	0,00	1,47	6,62	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	0	0	0	0	0
Shape	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Cadency [AQPs]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cadency [s]	32	32	32	32	32	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		PC8	PC8	141206	141219	150520	150520	150520	150520	PC10	141206	PC12	150520	150520	141219	150520
TM LF [bps]	0,0	28,0	1798,0	14,0	1798,0	24,0	14,0	14,0	1798,0	26,7	17,5	899,0	1798,0	1798,0	1798,0	14,0
TM HF [bps]	1024,0	27,2	432,0	19,2	320,0	19,2	38,4	38,4	432,0	26,7	16,0	1020,0	320,0	320,0	320,0	19,2
TM CSwp [bps]	839,0	0,0	0,0	20,6	49,4	0,0	0,0	0,0	0,0	0,0	21,5	242,5	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	0,0	0,0	0,0	0,0	0,0
TM total [bps]	1863,0	55,2	2230,0	53,8	2167,4	43,2	52,4	52,4	2230,0	54,2	55,0	2161,5	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