

Macro cmd	0x30	0x54	0x57	0x72	0x75	0x77	0x84	0x86
Macro ID	0x410	0x624	0x617	0x802	0x805	0x827	0x914	0x926
Notes	From 0x914 Use 0x412	From 0x604	From 0x817	From 0x504	803+cswp. Use 0x814	From 0x817	From 0x624	From 0x624
Purpose	EN, swp	N, HF, swp	DL, N, HF, sv	Vsc, HF	DL, N, HF, Csw	DL, N, HF, sv	N, HF, swp	N, HF, swp
TM rate	BM	NN	BM	BM	NM	BM	NN	NM
Bias mode	EN	NN	N-	EE	N-	N-	NN	NN
Fix bias P1	float	+30 V	+30 V	float	-20 V	-30 V	-30 V	+30 V
Fix bias P2	-30V	-30 V	MIP	float	MIP	MIP	-30 V	-30 V
Gain/bias P1	float	hi	hi	float	hi	hi	hi	hi
Gain/bias P2	hi	hi	-	float	-	-	hi	hi
<b>LF continuous data (ADC20)</b>								
Sampled data	V1, I2	I1, I2	I1	V1, V2	I1	I1	I1, I2	I1, I2
Number of signals	2	2	1	2	1	1	2	2
Downsampling	1	1	1	1	64	1	1	1
fsamp [Hz]	57,80	57,80	57,80	57,80	0,90	57,80	57,80	57,80
Bits/sample transmitted	20	16	20	16	20	20	16	16
Samples/AQP/probe	1632	1798	1798	1798	28	1798	1798	1798
<b>HF wave snapshots (ADC16)</b>								
Sampled data	-	I1, I2	I1	V1, V2	I1	I1	I1, I2	I1, I2
Number of signals	0	2	1	2	1	1	2	2
Downsampling	1	1	1	1	1	1	1	1
fsamp [Hz]	18750	18750	18750	18750	18750	18750	18750	18750
Samples	0	1600	3184	432	160	3184	1600	1600
Cadency [AQPs]	1	5	2	1	5	2	5	5
Cadency [s]	32	160	64	32	160	64	160	160
<b>Coarse sweeps (ADC16)</b>								
Probes	P2	P1, P2	P1	-	P1	P1	P1, P2	P1, P2
Number of signals	1	2	1	0	1	1	2	2
Shape	/	/	/	-	/	/	/	^
Directions (1 or 2)	1	1	2	1	1	2	1	2
Cadency [AQPs]	1	5	2	1	5	2	5	5
Cadency [s]	32	160	64	32	160	64	160	160
Range [V]	[-30, +30]	[-30, +30]	[-30, +30]	-	[-22, 30]	[-30, +30]	[-30, +30]	[-30, +30]
Step [V]	0,25	0,25	0,25	-	0,25	0,25	0,25	0,5
Number of steps	240	240	240	-	208	240	240	240
Plateau duration [cycles]	64	256	128	-	128	128	256	512
Plateau duration [ms]	3,4	13,7	6,8	0,0	6,8	6,8	13,7	27,3
Downsampling	64	256	32	1	128	32	256	512
Samples per plateau	1	1	4	0	1	4	1	1
Samples/sweep/probe	247	247	970	6	215	970	247	247
Sweep duration [s]	0,84	3,37	1,66	0,00	1,47	1,66	3,37	6,74
<b>Fine sweeps (ADC16)</b>								
Probes	-	-	-	-	-	-	-	-
Number of signals	0	0	0	0	0	0	0	0
Shape	-	-	-	-	-	-	-	-
Cadency [AQPs]	1	1	1	1	1	1	1	1
Cadency [s]	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	160305	141219	150703	150520	141206	150731	150731	160306
TM LF [bps]	2040,0	1798,0	1123,8	1798,0	17,5	1123,8	1798,0	1798,0
TM HF [bps]	0,0	320,0	796,0	432,0	16,0	796,0	320,0	320,0
TM CSwp [bps]	123,5	49,4	242,5	0,0	21,5	242,5	49,4	49,4
TM FSwp [bps]	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>TM total [bps]</b>	<b>2163,5</b>	<b>2167,4</b>	<b>2162,3</b>	<b>2230,0</b>	<b>55,0</b>	<b>2162,3</b>	<b>2167,4</b>	<b>2167,4</b>

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