

Macro cmd	0x14	0x43	0x44	0x50	0x52	0x54	0x63	0x64	0x73	0x74
Macro ID	0x204	0x503	0x504	0x500	0x602	0x604	0x703	0x704	0x803	0x804
Notes	Use 0x026	Use 0x800		Use 0x525					Use 0x805	Use 0x807
Purpose	Swp, HF	Vsc, HF	Vsc, HF	Swp, HF	HF, swp	N, HF, swps	LDL, Vsc, HF, DL	Vsc, waw	LDL, N, HF	LDL, N, HF
TM rate	BM	NM	BM	NM	NM	BM	NM	BM	NM	BM
Bias mode	NN	EE	EE	NN	NN	NN	E-	E-	N-	N-
Fix bias P1	0 V	-8 nA	-8 nA	+20 V	+20 V	+20 V	-30 nA	-29 nA	+10 V	0 V
Fix bias P2	0 V	+3 nA	+3 nA	+20 V	+20 V	+20 V	MIP	MIP	MIP	MIP
Gain/bias P1	hi	ibias	ibias	hi	hi	hi	ibias	ibias	hi	hi
Gain/bias P2	hi	ibias	ibias	hi	hi	hi	-	-	hi	hi
LF continuous data (ADC20)										
Note										
Sampled data	-	V1, V2	V1, V2	-	-	I1, I2	V1	V1	I1	I1
Number of signals	0	2	2	0	0	2	1	1	1	1
Averaging				1	1	2	32	1	32	32
Downsampling		64	1	1	1	2				
fsamp [Hz]		0,90	57,80	57,80	57,80	28,90	1,81	57,80	1,81	1,81
Bits/sample transmitted		16	16			16	16	16	16	16
Samples/AQP/probe		28	1798			893	55	1798	55	55
Cadency (if not 1) [AQPs]										
Cadency (if not 32s) [s]										
HF wave snapshots (ADC16)										
Sampled data	I1, I2	V1	V1, V2	I1, I2	I1, I2	I1, I2	V1	V1	I1	N1
Number of signals	2	1	2	2	2	2	1	1	1	1
Downsampling	1	1	1	1	1	1	1	1	1	1
fsamp [Hz]	18750	18750	18750	18750	18750	18750	18750	18750	18750	18750
Samples	2048	272	432	256	256	1840	160	2416	160	2416
Cadency [AQPs]	2	5	1	8	8	3	3	1	3	1
Cadency [s]	64	160	32	256	160	96	96	32	96	32
Coarse sweeps (ADC16)										
Probes	P1, P2	-	-	P1, P2	P1, P2	P1, P2	-	-	-	-
Number of signals	2	0	0	2	2	2	0	0	0	0
Shape	V			\	\	\				
Directions (1 or 2)	2			1	1	1	1	1	1	1
Cadency [AQPs]	2	1	1	8	5	3	1	1	1	1
Cadency [s]	64	32	32	256	160	96	32	32	32	32
Range [V]	[-25, +25]			[-30, +20]	[-30, +15]	[-30, +20]				
Step [V]	0,5			1	1	0,25				
Number of steps	208			48	48	208				0
Plateau duration [cycles]	512			512	512	512				
Plateau duration [ms]	27,3	0,0	0,0	27,3	27,3	27,3	0,0	0,0	0,0	0,0
Downsampling	64	1	1	128	512	256	1	1	1	1
Samples per plateau	8	0	0	4	1	2	0	0	0	0
Samples/sweep/probe	1678	6	6	202	52	424	6	6	6	6
Sweep duration [s]	5,73	0,00	0,00	1,38	1,42	5,79	0,00	0,00	0,00	0,00
Fine sweeps (ADC16)										
Probes	-	-	-	-	-	-	-	-	-	-
Number of signals	0	0	0	0	0	0	0	0	0	0
Shape										
Cadency [AQPs]	1	1	1	1	1	1	1	1	1	1
Cadency [s]	32	32	32	32	32,0	32	32	32	32	32
Offset [V]										
Range [V]										
Step [mV]										
Number of steps										
Plateau duration [cycles]										
Downsampling										
Samples per plateau										
Samples/sweep/probe										
First upload [ymmdd]		PC8	PC8		050304	050304	PC6	PC6	PC10	PC10
TM LF [bps]	0,0	28,0	1798,0	0,0	0,0	893,0	27,5	899,0	27,5	27,5
TM HF [bps]	1024,0	27,2	432,0	32,0	51,2	613,3	26,7	1208,0	26,7	1208,0
TM Cswp [bps]	899,0	0,0	0,0	25,3	10,4	141,3	0,0	0,0	0,0	0,0
TM FSwp [bps]	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	57,3	61,6	1647,7	54,2	2107,0	54,2	1235,5

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
Pink: test macros only used once for verifying internal functionality after launch, not for science use.
Text colour:
Black: NM
Red: BM