

User Command and Register Map

REG [6:0]	NAME	R/W MODE	DATA INDEX (D _{INDEX})							
			23 / 15 / 7	22 / 14 / 6	21 / 13 / 5	20 / 12 / 4	19 / 11 / 3	18 / 10 / 2	17 / 9 / 1	16 / 8 / 0
0x00	NO-OP	R/W	x / x / x	x / x / x	x / x / x	x / x / x	x / x / x	x / x / x	x / x / x	x / x / x
0x01	STATUS	R	EINT	EOVF	FSTINT	DCLO FFINT	x	x	x	x
			x	x	x	x	LONINT	RRINT	SAMP	PLLINT
			0	0	x	x	LOFF_PH	LOFF_PL	LOFF_NH	LOFF_NL
0x02 0x03	EN_INT EN_INT2	R/W	EN_EINT	EN_EOVF	EN_ FSTINT	EN_ DCLOFFINT	x	x	x	x
			x	x	x	x	EN_ LONINT	EN_ RRINT	EN_SAMP	EN_ PLLINT
			x	x	x	x	x	x	INTB_TYPE[1:0]	
0x04	MNGR_ INT	R/W	EFIT[4:0]					x	x	x
			x	x	x	x	x	x	x	x
			x	CLR_ FAST	CLR_RRINT[1:0]		x	CLR_ SAMP	SAMP_IT[3:0]	
0x05	MNGR_ DYN	R/W	FAST[1:0]		FAST_TH[5:0]					
			x	x	x	x	x	x	x	x
			x	x	x	x	x	x	x	x
0x08	SW_RST	W	Data Required for Execution = 0x000000							
0x09	SYNCH	W	Data Required for Execution = 0x000000							
0x0A	FIFO_ RST	W	Data Required for Execution = 0x000000							
0x0F	INFO	R	0	1	0	1	REV_ID[3:0]			
			x	x	1	1	x	x	x	x
			x	x	x	x	x	x	x	x
0x10	CNFG_ GEN	R/W	EN_ULP_LON[1:0]		FMSTR[1:0]		EN_ECG	x	x	x
			x	x	EN_DCLOFF[1:0]		IPOL	IMAG[2:0]		
			VTH[1:0]		EN_RBIA[1:0]		RBIASV[1:0]		RBIASP	RBIASN

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Ultra-Low Power, Single-Channel Integrated
Biopotential (ECG, R-to-R Detection) AFE

User Command and Register Map (continued)

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			23 / 15 / 7	22 / 14 / 6	21 / 13 / 5	20 / 12 / 4	19 / 11 / 3	18 / 10 / 2	17 / 9 / 1	16 / 8 / 0
0x12	CNFG_ CAL	R/W	x	EN_VCAL	VMODE	VMAG	x	x	x	x
			x	FCAL[2:0]			FIFTY	THIGH[10:8]		
			THIGH[7:0]							
0x14	CNFG_ EMUX	R/W	POL	x	OPENP	OPENN	CALP_SEL[1:0]		CALN_SEL[1:0]	
			x	x	x	x	x	x	x	x
			x	x	x	x	x	x	x	x
0x15	CNFG_ ECG	R/W	RATE[1:0]		x	x	x	x	GAIN[1:0]	
			x	DHPF	DLPF[1:0]		x	x	x	x
			x	x	x	x	x	x	x	x
0x1D	CNFG_ RTOR1	R/W	WNDW[3:0]				RGAIN[3:0]			
			EN_RTOR	x	PAVG[1:0]		PTSF[3:0]			
			x	x	x	x	x	x	x	x
0x1E	CNFG_ RTOR2	R/W	x	x	HOFF[5:0]					
			x	x	RAVG[1:0]		x	RHSF[2:0]		
			x	x	x	x	x	x	x	x
0x20	ECG_ FIFO_ BURST	R+	ECG FIFO Burst Mode Read Back				See FIFO Description for details			
0x21	ECG_ FIFO	R	ECG FIFO Normal Mode Read Back				See FIFO Description for details			
0x25	RTOR	R	R to R Interval Register Read Back				See FIFO Description for details			
0x7F	NO-OP	R/W	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x	x/x/x

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