0x40068000	BaseAddr		
0X40008000	DaseAuui		
0x000	CTRL1		Description
0	IOEN		1 - Enable
1	VOEN		1 - Enable
6	I3EN		1 - Enable
7	RESOL		0: 16bit, 1: 24bit - Output data
8	ZXLPF		0: On, 1: Off - LPF on V0 cross zero
911	PER_LENGTH		0: 1, 1: 2, 7: 128 - Period to calc period and dPhase
1213	APNOLOAD		Вычисление активной энергии без нагрузки:
			0: calc all, 1: calc >= 0,012%, 2: calc >= 0,0061%, 3: calc >= 0,00305%
1516	VARNOLOAD		Реактивная энергия без нагрузки: - like APNOLOAD
17:18	VANOLOAD		Полная энергия без нагрузки: - like APNOLOAD
19	FREQSEL		1: On, 0: Off (LastValue) - Вычисление периода V0 в FxMD0.PER_FREQ
20	VREF_SEL		0: Internal, 1: External - ADC Vref select
21	BUF_BYP		0: buffered Vref, 1: not buffered
27	ZXRMS		0: continuous, 1: onV0=0 - RMS update
28	RESET_DIG		0: work, 1: reset - Digital part resert
29	IBOOST		0: norm, 1: увеличение тока
3031	OSR_CONF		0: 256 (4KHz), 1: 128 (8KHz), 2: 64 (16KHz), 3: reserved
	0xF83FBFC3		ResetMask
0004	CTDL 3		Description
0x004	CTRL2		Description
015 1623	SAGLVL SAGCYC	+	V0 min OK level Count of half V0 periods to calc MIN_OK_LEVEL
1023	0x00FFFFF	+	ResetMask
	UXUUFFFFF		nesetiviusk
0x008	CTRL3		Description
0:11	ZTXOUT		V0=0 Event Timeout
0.11	0x00000FFF		ResetMask
	0,00000111		THE SECURIOS N
0x00C	FOCTR		Description
0	IONTEN		0: On, 1: Off - Integrator IO
1	I3NTEN		0: On, 1: Off - Integrator I3
2	VASEL		0: Full E, 1: I_RMS - save to IODAT/VDAT
3	RARS	WO	WR - clear Active Energy Accum
4	RRRS	WO	WR - clear Reactive Energy Accum
5	RVRS	WO	WR - clear Full Energy Accum
67	IOGAIN		0: 0dB, 6dB, 12dB, 18dB - Preamplifier I0 - x1, x2, x4, x8
89	VGAIN		0: 0dB, 6dB, 12dB, 18dB - Preamplifier V - x1, x2, x4, x8
1017	VPHASE		Phase V_I Adjust - 0: sync, -126: -123us, 127: 124us
1819	I3GAIN		0: 0dB, 6dB, 12dB, 18dB - Preamplifier I3 - x1, x2, x4, x8
2031	IRMSOS		RMS calibration
	0xFFFFFFF		ResetMask
0x010	FOWC		Description
015	WATTOS		Calibr Bias active energy
1627	WGAIN		Calibr Gain active energy
	0x0FFFFFFF		ResetMask
0x014	FOWATTP	RO	Description
0x014 031	WATTHRP	KU	Description High 32 hits of 57 hit Accum - POS active energy
031 0x018	FOWATTN	RO	High 32 bits of 57 bit Accum - POS active energy Description
031	WATTHRN	INO	High 32 bits of 57 bit Accum - NEG active energy
031	OxFFFFFFF	+	ResetMask
	OALLI IIII	- 	THE SECURIOR
0x01C	FOVC		Description
015	VAROS		Calibr Bias reactive energy
1627	VARGAIN	 	Calibr Gain reactive energy
	0x0FFFFFF	<u> </u>	ResetMask
	1	1	
0x020	FOVARP	RO	Description
031	VARHRP		High 32 bits of 57 bit Accum - POS reactive energy
0x024	FOVARN	RO	Description
031	VARHRN		High 32 bits of 57 bit Accum - NEG reactive energy
	0xFFFFFFF		ResetMask
0x028	FOAC		Description
011	VRMSOS		Calibr Bias of V_RMS
1627	VAGAIN		Calibr Gain of FullEnergy
ĺ	0x0FFF0FFF		ResetMask

1	1		
0020	FOVE		Description .
0x02C	FOVR	RO	Description
031	VAHR		High 32 bits of 57 bit Accum - FULL energy
	0xFFFFFFF		ResetMask
0x030	FONADO		Description
	FOMDO		Description On V. D. port, D. roget, D. full, colort for FOVDAT
01	VSEL		0: V, P_act, P_react, P_full - select for FOVDAT
23	ISEL	200	0: I, P_act, P_react, P_full - select for F0I0DAT
4	ACTS	RO	Active energy Sign in last period
5	REACTS	RO	Reactive energy Sign in last period
6	IOGAIN		0: noGain, 1: +6dB - I0 Gain - x1, x2 - Умножение при децимации в составе АЦП
7	VOGAIN		0: noGain, 1: +6dB - V0 Gain - x1, x2
8	I3GAIN		0: noGain, 1: +6dB - I3 Gain - x1, x2
1228	PER_FREQ	RO	Длительность такта в канале напряжения
29	I3SEL		0: I3_LPF, 1: ADC (before LPF)
3031	SEL_I_CH		0,3: Auto max(I0, I3), 2: I0, 3: I3 - select I for power calc
	0xFFFFF1FF		ResetMask
0x034	F0MD1		Description
015	IPKLVL		Imax Limit
1631	VPKLVL		Vmax Limit
	0xFFFFFFF		ResetMask
0x038	FOVPEAK		Description
023	VPEAK		Vmax measured. Clear by read. Write set Vmax = 0
0x03C	FOIPEAK		Description
023	IPEAK		Imax measured. Clear by read. Write set Imax = 0
0x040	FOVDAT	RO	Description
023	FOVDAT		FIFO of V or Power - by F0MD0.VSEL
0x044	F0I0DAT	RO	Description
023	F0I0DAT		FIFO of I0 or Power - by F0MD0.ISEL
0x048	F0I3DAT	RO	Description
023	F0I3DAT		FIFO of I3 or Power - by F0MD0.13SEL
0x04C	FOVRMS	RO	Description
023	FOVRMS		V_RMS
0x050	F0VRMS2	RO	Description
023	F0VRMS2		V_RMS^2
0x054	FOIRMS	RO	Description
023	FOIRMS		I_RMS
023 0x058	FOIRMS FOIRMS2	RO	I_RMS Description
023	FOIRMS FOIRMS2 FOIRMS2		I_RMS Description I_RMS^2
023 0x058	FOIRMS FOIRMS2		I_RMS Description
023 0x058 023	FOIRMS FOIRMS2 FOIRMS2 Ox00FFFFFF		I_RMS Description I_RMS^2 ResetMask
023 0x058 023 0x05C	FOIRMS FOIRMS2 FOIRMS2 Ox00FFFFFF FOSTAT	RO	I_RMS Description I_RMS^2 ResetMask Description
023 0x058 023	FOIRMS FOIRMS2 FOIRMS2 Ox00FFFFFF FOSTAT VF_EMP	RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty
023 0x058 023 0x05C 0	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL	RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full
023 0x058 023 0x05C 0 1	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty
023 0x058 023 0x05C 0 1 2 3 4	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_ELL	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full
023 0x058 023 0x05C 0 1 2 3 4 5	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP	RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP	RO RO RO	L_RMS Description L_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATP is Overflow, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV	RO RO RO	L_RMS Description L_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF	RO RO RO RO	L_RMS^ Description L_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear Timeout of V cross 0 - CTRL3.ZTXOUT
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL	RO RO RO	L_RMS Description L_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVAR is Overflow, wr 1 - to clear Timeout of V cross 0 - CTRL3.ZTXOUT O: I0, 1: I3 - active channel
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON	RO RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear Timeout of V cross 0 - CTRL3.ZTXOUT 0: I0, 1: I3 - active channel I channel changed, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN	RO RO RO RO RO	LRMS Description LRMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOWATP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOUR is Overf
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL	RO RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Full FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN	RO R	LRMS Description LRMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Empty FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Overflow, wr 1 - to clear FIFO IDAT is Full FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event V > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear Timeout of V cross 0 - CTRL3.ZTXOUT 0: l0, 1: l3 - active channel I channel changed, wr 1 - to clear P_act sign changed, wr 1 to clear P_act < CNTL1.APNOLOAD P_react sign changed, wr 1 to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL	RO RO RO RO RO	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Full FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARNLDFL	RO R	LRMS Description LRMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVR is Overflow, wr 1 - to clear Found is Overflow, wr 1 - to clear Pact sign changed, wr 1 to clear Pact sign changed, wr 1 to clear Pact sign changed, wr 1 to clear Pacet < CNTL1.APNOLOAD Preact sign changed, wr 1 to clear Pacet < CNTL1.VARNOLOAD
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VANLDFL VANLDFL	RO R	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLV, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVR is Overflow, wr 1 - to clear Timeout of V cross 0 - CTRL3.ZTXOUT 0: I0, 1: I3 - active channel I channel changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act < CNTL1.APNOLOAD P_react < CNTL1.VARNOLOAD P_full < CNTL1.VARNOLOAD
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_ELL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL ZEROCRS	RO R	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event I > FOMD1.IPKLVL, wr 1 - to clear FOVATP is Overflow, wr 1 - to clear FOVATP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVAR is Overflow, wr 1 - to clear FOVAR is Overflow, wr 1 - to clear FOR is overflow, wr 1 -
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL VANLDFL ZEROCRS I3F_EMP	RO R	RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Empty FIFO VDAT is Full FIFO IDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear I: event V > CTRL2.SAGLVL, wr 1 - to clear I: event V > FOMD1.VPKLVL, wr 1 - to clear I: event I > FOMD1.IPKLVL, wr 1 - to clear FOWATP is Overflow, wr 1 - to clear FOWATP is Overflow, wr 1 - to clear FOVR is Overflow, wr 1 - to clear FOVR is Overflow, wr 1 - to clear FOVR is Overflow, wr 1 - to clear FOR is Overflow, wr 1 - to clear FOR is Overflow, wr 1 - to clear FOR is Overflow, wr 1 - to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_react < CNTL1.VANOLOAD P_full < CNTL1.VANOLOAD V crossed 0, wr 1 to clear FIFO I3DAC is Empty
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL ZEROCRS I3F_EMP I3F_FLL	RO R	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Full FIFO IDAT is Full FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event V > FOMD1.VPKLVL, wr 1 - to clear 1: event V > FOMD1.WFKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARTP is Overflow, wr 1 - to clear FOVART is Overflow, wr 1 - to clear FOVAR is Overflow, wr 1 - to clear Timeout of V cross 0 - CTRL3.ZTXOUT 0: 10, 1: 13 - active channel I channel changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act contained to clear P_act contained to clear P_act contained to clear P_react < CNTL1.VANOLOAD P_full < CNTL1.VANOLOAD V crossed 0, wr 1 to clear FIFO I3DAC is Empty FIFO I3DAT is Full
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL ZEROCRS I3F_EMP I3F_FLL I3F_OVR	RO R	I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Full FIFO VDAT is Overflow, wr 1 - to clear FIFO IDAT is Empty FIFO IDAT is Full FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRL2.SAGLVL, wr 1 - to clear 1: event V > FOMD1.PKLVL, wr 1 - to clear 1: event V > FOMD1.PKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARTP is Overflow, wr 1 - to clear FOVARTP is Overflow, wr 1 - to clear Timeout of V cross 0 - CTRL3.ZTXOUT 0: IO, 1: I3 - active channel I channel changed, wr 1 - to clear P_act sign changed, wr 1 to clear P_act < CNTL1.VANOLOAD P_react < CNTL1.VARNOLOAD P_full < CNTL1.VANOLOAD P_full < CNTL1.VANOLOAD P_full < CNTL1.VANOLOAD FIFO IBDAT is Full FIFO IBDAT is Full FIFO IBDAT is Full FIFO IBDAT is Full FIFO IBDAT is Overflow, wr 1 to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL VANLDFL ZEROCRS I3F_EMP I3F_FLL I3F_OVR WATTOVN	RO R	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Description FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRLZ.SAGLVL, wr 1 - to clear 1: event V < FOMDI.VPKLVL, wr 1 - to clear 1: event V > FOMDI.VPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act < CNTLI.APNOLOAD P_react sign changed, wr 1 to clear P_react < CNTLI.VARNOLOAD P_full < CNTLI.VARNOLOAD V crossed 0, wr 1 to clear FIFO I3DAC is Empty FIFO I3DAT is Full FIFO I3DAT is Overflow, wr 1 to clear FOWATTN is Overflow, wr 1 to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL VANLDFL ZEROCRS I3F_EMP I3F_FLL I3F_OVR WATTOVN VAROVN	RO R	_RMS Description RMS^2 ResetMask Description RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Described FIFO VDAT is Empty FIFO VDAT is Described FIFO VDAT is Described FIFO VDAT is Overflow, wr 1 - to clear Powartp is Overflow, wr 1 - to clear Powartp is Overflow, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOWATTP is Described FIFO VDAT is active channel Ichannel changed, wr 1 - to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act CNTL1.APNOLOAD P_react Sign CNTL1.VARNOLOAD P_react Sign CNTL1.VARNOLOAD P_full < CNTL1.V
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	FOIRMS FOIRMS2 FOIRMS2 OxOOFFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL VANLDFL ZEROCRS I3F_EMP I3F_FLL I3F_OVR WATTOVN	RO R	I_RMS Description I_RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Description FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Empty FIFO IDAT is Overflow, wr 1 - to clear 1: event V < CTRLZ.SAGLVL, wr 1 - to clear 1: event V < FOMDI.VPKLVL, wr 1 - to clear 1: event V > FOMDI.VPKLVL, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act < CNTLI.APNOLOAD P_react sign changed, wr 1 to clear P_react < CNTLI.VARNOLOAD P_full < CNTLI.VARNOLOAD V crossed 0, wr 1 to clear FIFO I3DAC is Empty FIFO I3DAT is Full FIFO I3DAT is Overflow, wr 1 to clear FOWATTN is Overflow, wr 1 to clear
023 0x058 023 0x05C 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	FOIRMS FOIRMS2 FOIRMS2 OXOOFFFFF FOSTAT VF_EMP VF_FLL VF_OVER IF_EMP IF_FLL IF_OVER SAGF PEAKVF PEAKIF WATTOVP VAROVP VAOV ZXTOF ICHANNEL FAULTCON APSIGN APNLDFL VARSIGN VARNLDFL VANLDFL ZEROCRS I3F_EMP I3F_FLL I3F_OVR WATTOVN VAROVN	RO R	_RMS Description RMS^2 ResetMask Description RMS^2 ResetMask Description FIFO VDAT is Empty FIFO VDAT is Empty FIFO VDAT is Full FIFO VDAT is Described FIFO VDAT is Empty FIFO VDAT is Described FIFO VDAT is Described FIFO VDAT is Overflow, wr 1 - to clear Powartp is Overflow, wr 1 - to clear Powartp is Overflow, wr 1 - to clear FOWATTP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOVARP is Overflow, wr 1 - to clear FOWATTP is Described FIFO VDAT is active channel Ichannel changed, wr 1 - to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act sign changed, wr 1 to clear P_act CNTL1.APNOLOAD P_react Sign CNTL1.VARNOLOAD P_react Sign CNTL1.VARNOLOAD P_full < CNTL1.V

•••		Все из статуса, кроме 13 бита
	0x07FFEFFF	ResetMask
0x114	CCAL1	Description
011	VOBGAIN	V0 calibration gain
1223	IOBGAIN	I1 calibration gain
	0x00FFFFF	ResetMask
0x120	CCAL4	Description
011	I3BGAIN	I3 calibration gain
	0x00000FFF	ResetMask





