				т			
							1
0x40068000			BaseAddr			Docs	SPL
					- New for BK234		
F0	F1	F2			- Diff for F1, F2		
0x000			CTRL1		Description		
0			IOEN		1 - Enable		
1			VOEN		1 - Enable		
2	2		I1EN		1 - Enable		
3	3		V1EN		1 - Enable		
4	1		I2EN		1 - Enable		
5	5		V2EN		1 - Enable		
6			I3EN		1 - Enable		
7			RESOL		0: 16bit, 1: 24bit - Output data		
8			ZXLPF		0: LPF On, 1: Off - LPF on V0 cross zero		
911	1		PER_LENGTH		0: 1, 1: 2, 7: 128 - Period to calc period and dPhase		
1213	 		APNOLOAD		Вычисление активной энергии без нагрузки:		
4= 45					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		
22		_	CHOP_EN		0: Normal, 1: Chopper enable		
2324	ļ.		CHOP_FREQ		0: fADC/2, /4, /8, /16 - Chopper freq		
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		
	1		0xF83FBFC3		ResetMask		+
0.004			CTDI 2				
0x004			CTRL2		Description Visit Of the set		
015			SAGLVL		V0 min OK level		1
1623			SAGCYC		Count of half V0 periods to calc MIN_OK_LEVEL		
			0x00FFFFFF		ResetMask		
0000			CTDL 2		Description		
0x008			CTRL3		Description VO. 0. Functor Time and		
0:11			ZTXOUT		V0=0 Event Timeout		+
			0x00000FFF		ResetMask		+
0x00C	0x064	0x0BC	FxCTR		Description		
OXUUC	UXU04	UXUDC	IONTEN / INTEN		0: On, 1: Off - Integrator IO		
1	1	-	I3NTEN / HET				
2	1		VASEL		0: On, 1: Off - Integrator I3 0: Full E, 1: I_RMS - save to IODAT/VDAT		
2	+		RARS	wo			
<u>,</u> 1	+		RRRS	wo	WR - clear Active Energy Accum WR - clear Reactive Energy Accum		
'' 5	1		RVRS	wo	WR - clear Full Energy Accum		
5 67	1		IOGAIN / IGAIN	1	0: 0dB, 6dB, 12dB, 18dB - PGA I0 - x1, x2, x4, x8		
89	1	+	VGAIN		0: 0dB, 6dB, 12dB, 18dB - PGA 10 - x1, x2, x4, x8 0: 0dB, 6dB, 12dB, 18dB - PGA V - x1, x2, x4, x8		
89 1017	 		VPHASE	-	Phase V_I Adjust - 0: sync, -126: -123us, 127: 124us		

1819	<u> </u>	<u> </u>	I3GAIN / HET		0: 0dB, 6dB, 12dB, 18dB - PGA I3 - x1, x2, x4, x8	
2031			IRMSOS		RMS calibration	
2031			0xFFFFFFF		ResetMask	
			OXITITITI		hesetiviusk	+
0x010	0x068	0x0C0	FxWC		Description	
015			WATTOS		Calibr Bias active energy	
1627			WGAIN		Calibr Gain active energy	
			0x0FFFFFF		ResetMask	
0x014	0x06C	0x0C4	FxWATTP	RO	Description	
031			WATTHRP		High 32 bits of 57 bit Accum - POS active energy	
0x018	0x070	0x0C8	FxWATTN	RO	Description	
031			WATTHRN		High 32 bits of 57 bit Accum - NEG active energy	
			0xFFFFFFF		ResetMask	
0x01C	0x074	0x0CC	FxVC		Description	
015			VAROS		Calibr Bias reactive energy	
1627			VARGAIN		Calibr Gain reactive energy	
			0x0FFFFFF		ResetMask	
0x020	0x078	0x0D0	FxVARP	RO	Description	
031			VARHRP		High 32 bits of 57 bit Accum - POS reactive energy	
0x024	0x07C	0x0D4	FxVARN	RO	Description	
031			VARHRN		High 32 bits of 57 bit Accum - NEG reactive energy	
			0xFFFFFFF		ResetMask	
0x028	0x080	0x0D8	FxAC		Description	
011	UXUUU	UNUDU	VRMSOS		Calibr Bias of V RMS	
1627			VAGAIN		Calibr Gain of FullEnergy	
1027	+	+	0x0FFF0FFF		ResetMask	
			CACTA CATA			
0x02C	0x084	0x0DC	FxVR	RO	Description	
031			VAHR		High 32 bits of 57 bit Accum - FULL energy	
			0xFFFFFFF		ResetMask	
0.000	0.000	0.050	5.4400			
0x030	0x088	0x0E0	FxMD0		Description	
01			VSEL		0: V, P_act, P_react, P_full - select for FOVDAT	
23			ISEL	DO.	0: I, P_act, P_react, P_full - select for F0I0DAT	
5			ACTS REACTS	RO RO	Active energy Sign in last period Reactive energy Sign in last period	
6	-	-	IOGAIN / IGAIN	NO	0: noGain, 1: +6dB - I0 Gain - x1, x2 - Умножение при децимации в составе АЦП	
7			VOGAIN / VGAIN		0: подап, 1: +6dB - 10 Gain - x1, x2 - умножение при децимации в составе Ацт 0: noGain, 1: +6dB - V0 Gain - x1, x2	
8			I3GAIN / HET		0: noGain, 1: +6dB - 13 Gain - x1, x2	
1228			PER_FREQ	RO	Длительность такта в канале напряжения	
29	1		I3SEL / HET		0: I3_HPF, 1: ADC (before HPF)	
3031			SEL_I_CH / HET		0,3: Auto max(I0, I3), 1: I0, 2: I3 - select I for power calc	
			0xFFFFF1FF		ResetMask	
0x034	0x08C	0x0E4	FxMD1		Description	
015			IPKLVL		Imax Limit	

1631	- 1	<u> </u>	VPKLVL	- 1	Vmax Limit	1	
1031			0xFFFFFFF		ResetMask		
			UXFFFFFFF	_	Resetiviusk		
	0000	0050	FNAD2	DO.	Description .		
	0x090	0x0E8	FxMD2	RO	Description Phase shift V4 V2 refer V0		
	016		PHASE		Phase shift V1,V2 ref to V0		
			0x0001FFFF		ResetMask		
0020	0004	0050	F-A/DEA/		Description.		
0x038	0x094	0x0EC	FxVPEAK VPEAK		Description		
023	0000	0050	FXIPEAK		Vmax measured. Clear by read. Write set Vmax = 0		
0x03C	0x098	0x0F0			Description On the control of Maintenant Maintenant Income On the Control of Maintenant Income On the		
023	0006	0054	IPEAK	DO.	Imax measured. Clear by read. Write set Imax = 0		
0x040	0x09C	0x0F4	FxVDAT	RO	Description Sign Payment by FOMPO MCF!		
023	0040	0050	FOVDAT (IDAT	DO.	FIFO of V or Power - by FOMDO.VSEL		
0x044	0x0A0	0x0F8	FXIODAT / IDAT FOIODAT	RO	Description		
023				00	FIFO of I0 or Power - by F0MD0.ISEL		
0x048 023			FxI3DAT / HET F0I3DAT	RO	Description FIFO of I3 or Power - by FOMDO.I3SEL		
	0×044	OVOEC	FxVRMS	RO	,		
0x04C 023	0x0A4	0x0FC	FOVRMS	KU	V RMS		
023 0x050	0x0A8	0x100	FxVRMS2	RO	-		
023	UXUA8	0X100	F0VRMS2	RU	V RMS^2		
023 0x054	0x0AC	0x104	FXIRMS	RO	Description		
023	UXUAC	UX1U4	FOIRMS	KU	I RMS		
023 0x058	0x0B0	0x108	FxIRMS2	RO	Description		
023	UXUBU	0X108	FOIRMS2	NO	I RMS^2		
023			0x00FFFFF		ResetMask		
			0.000111111		Nesetiviusk		
0x05C	0x0B4	0x10C	FxSTAT		Description		
0			VF EMP	RO	FIFO VDAT is Empty		
1			VF_FLL	RO	FIFO VDAT is Full		
2			VF_OVER		FIFO VDAT is Overflow, wr 1 - to clear		
3			IF EMP	RO	FIFO IDAT is Empty		
4			IF_FLL	RO	FIFO IDAT is Full		
5			IF OVER		FIFO IDAT is Overflow, wr 1 - to clear		
6			SAGF		1: event V < CTRL2.SAGLVL, wr 1 - to clear		
7			PEAKVF		1: event V > F0MD1.VPKLVL, wr 1 - to clear	1	
8			PEAKIF		1: event I > F0MD1.IPKLVL, wr 1 - to clear		
9			WATTOVP		FOWATTP is Overflow, wr 1 - to clear		
10			VAROVP		FOVARP is Overflow, wr 1 - to clear		
11			VAOV		FOVR is Overflow, wr 1 - to clear		
12			ZXTOF		Timeout of V cross 0 - CTRL3.ZTXOUT		
13			ICHANNEL / HET	RO	0: I0, 1: I3 - active channel		
14			FAULTCON / HET		I channel changed, wr 1 - to clear		
15			APSIGN		P_act sign changed, wr 1 to clear		
16			APNLDFL	RO	P_act < CNTL1.APNOLOAD		
17			VARSIGN		P_react sign changed, wr 1 to clear		
18			VARNLDFL	RO	P_react < CNTL1.VARNOLOAD		
19							
20			VANLDFL	RO	P_full < CNTL1.VANOLOAD		
21			ZEROCRS		V crossed 0, wr 1 to clear		

22			I3F_EMP / HET	RO	FIFO I3DAC is Empty	
23			I3F_FLL / HET	RO	FIFO I3DAT is Full	
24			I3F_OVR / HET		FIFO I3DAT is Overflow, wr 1 to clear	
25			WATTOVN		FOWATTN is Overflow, wr 1 - to clear	
26			VAROVN		FOVARN is Overflow, wr 1 - to clear	
			0x07FFFFF		ResetMask	
0x060	0x0B8	0x110	FxMASK		Description	
					Все из статуса	
			0x07FFEFFF		ResetMask	
0x114			CCAL1		Description	
011			VOBGAIN		V0 calibration gain	
1223			IOBGAIN		I1 calibration gain	
			0x00FFFFFF		ResetMask	
	0x118		CCAL2		Description	
	011		V1BGAIN		V0 calibration gain	
	1223		I1BGAIN	-	I1 calibration gain	
	1225		0x00FFFFF		ResetMask	
			UXUUFFFFF		hesetiviusk	
		0x11C	CCAL3		Description	
		011	V2BGAIN		V0 calibration gain	
		1223	I2BGAIN		I1 calibration gain	
			0x00FFFFF		ResetMask	
0x120			CCAL4		Description	
011			I3BGAIN		13 calibration gain	
			0x00000FFF		ResetMask	