This is the final list of new Registers that the AVR does not have.									
Addr	Name	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
0xF6	GUID3	GUID Byte 3							
0xF5	GUID2	GUID Byte 2							
0xF4	GUID1	GUID Byte 1							
0xF3	GUID0	GUID Byte 0							
0xF2	PMCR	PMCE	CLKFS	CLKSS	WCLKS	OSCKEN	OSCMEN	RCKEN	RCMEN
0xF0	PMX2	WCE	STOSC1	STOSC0	-	-	XIEN	E6EN	C6EN
0xEE	PMX0	PMXCE	C1BF4	C1AF5	C0BF3	C0AC0	SSB1	TXD6	RXD5
0xED	PMX1	-	-	-	-	-	C3AC	C2BF7	C2AF6
0xEC	TCKCSR	-	F2XEN	TC2XF1	TC2XF0	-	AFCKS	TC2XS1	TC2XS0
0xE2	PSSR	PSS1	PSS3	-	-	-	-	PSR3	PSR1
0xE1	OCPUE	PUE7	PUE6	PUE5	PUE4	PUE3	PUE2	PUE1	PUE0
0xE0	HDR	-	-	HDR5	HDR4	HDR3	HDR2	HDR1	HDR0
0xDE	DAPTE	DAPTE	-	-	-	-	-	-	-
0xDD	DAPTR	DAPTP			DAP Trimming				
0xDC	DAPCR	DAPEN	GA1	GA0	DNS2	DNS1	DNS0	DPS1	DPS0
0xCF	LDOCR	WCE				PDEN	VSEL2	VSEL1	VSEL0
0xCE	VCAL2	Calibration value for 2.048V internal reference							
0xCD	VCAL1	Calibration value for 1.024V internal reference							
0xCC	VCAL3	Calibration value for 4.096V internal reference							
0xC8	VCAL	Internal Voltage Reference calibration register							
0xAF	DPS2R	-	-	-	-	DPS2E	LPRCE	TOS1	TOS0
0xAE	IOCWK	IOCD7	IOCD6	IOCD5	IOCD4	IOCD3	IOCD2	IOCD1	IOCD0
0xAD	ADCSRD	BGEN	REFS2	IVSEL1	IVSEL0	-	VDS2	VDS1	VDS0
0xAC	ADMSC	AMOF	-	-	-	AMFC3	AMFC2	AMFC1	AMFC0
0xAB	ADT1H	ADC Auto-monitor Overflow threshold high byte							
0xAA	ADT1L	ADC Auto-monitor Overflow threshold low byte							
0xA9	PORTE	Port Output E (for compatible with LGT8FX8D)							
0xA8	DDRE	Data Direction E (for compatible with LGT8FX8D)							
0xA7	PINE	Port Input E (for compatible with LGT8FX8D)							
0xA6	ADT0H	ADC Auto-monitor Underflow threshold high byte							
0xA5	ADT0L	ADC Auto-monitor Underflow threshold low byte							
0xA4	OFR1	ADC positive offset trimming							
0xA3	OFR0	ADC negative offset trimming							
0xA1	DALR	DAC data register							
0xA0	DACON	-	-	-	-	DACEN	DAOE	DAVS1	DAVS0
0x9F	OCR3CH	Compare output register high byte of Timer3 C channel							
0x9E	OCR3CL	Compare output register low byte of Timer3 C channel							
0x9D	DTR3H	Dead-band register high byte of Timer3							
0x9C	DTR3L	Dead-band register low byte of Timer3							
0x9B	OCR3BH	Compare output register high byte of Timer3 B channel							
0x9A	OCR3BL	Compare output register low byte of Timer3 B channel							
0x99	OCR3AH	Compare output register high byte of Timer3 A channel							
0x98	OCR3AL	Compare output register low byte of Timer3 A channel							
0x97	ICR3H	Input capture register high byte of Timer3							
0x96	ICR3L	Input capture register low byte of Timer3							
0x95	TCNT3H	Counter register high byte of Timer3							
0x94	TCNT3L	Counter register low byte of Timer3							
0x93	TCCR3D	Control register D of Timer3							
0x92	TCCR3C	Control register C of Timer3							
0x91	TCCR3B	Control register B of Timer3							
0x90	TCCR3A	Control register A of Timer3							
0x8D	DTR1H	Dead-band register high byte of Timer1							
0x8C	DTR1L	Dead-band register low byte of Timer1							
0x83	TCCR1D	DSX17	DSX16	DSX15	DAX14	-	-	DSX11	DSX10
0x7D	ADCSRC	OFEN	-	SPN	AMEN	-	SPD	DIFS	ADTM
0x76	DIDR2	-	PB5D	-	-	-	-	-	-
0x75	IVBASE	Interrupt Vector Base Address							
0x74	PCMSK4								
0x73	PCMSK3	PCINT[39:32]							
0x71	TIMSK3			ICIE3	-	OCIE3C	OCIE3B	OCIE3A	TOIE3
0x67	RCKCAL	RC32K Calibration							
0x65	PRR1	-	-	PRWDT	-	PRTIM3	PREFL	PRPCI	-
0x62	VDTCR	WCE	SWR	-		VDTS		VDREN	VDTEN
0x5C	E2PD3	E2PCTL Data register byte 3							
0x5B	C1TR	AC1 trimming data							
0x5A	E2PD1	E2PCTL Data register byte1							
0x59	DSAH	DSA[31:16] access port of uDSC							
0x58	DSAL	DSA[15:0] access port of uDSC							
0x56	ECCR	WEN	EEN	ERN	SWM	CP1	CP0	ECS1	ECS0
0x52	C0TR	AC0 Trimming register							
0x51	C0XR	-	C0OE	C0HYSE	C0PS0	C0WKE	C0FEN	C0FS1	C0FS0
0x4F	DTR0	TC0 Dead-band timing control register							
0x49	TCCR0C	DSX07	DSX06	DSX05	DSX04	-	-	DSX01	DSX00
0x3A	C1XR	-	C1OE	C1HYSE	C1PS0	C1WKE	C1FEN	C1FS1	C1FS0
0x39	SPFR	RDFULL	RDEMPT	RDPTR1	RDPTR0	WRFULL	WREMPT	WRPTR1	WRPTR0
0x38	TIFR3	-	-	ICF3	-	-	OCF3B	OCF3A	TOV3
0x34	PORTF	Port Output of Group F							
0x33	DDRF	Data Direction of Group F							
0x32	PINF	Port Input of Group F							
0x31	DSDY	DSDY access port of uDSC							
0x30	DSDX	DSDX access port of uDSC							
0x2F	C1SR	C1D	C1BG	C1O	C1I	C1IE	C1IC	C1IS	
0x2E	PORTE	Port Output of Group E							
0x2D	DDRE	Data Direction of Group E							
0x2C	PINE	Port Input of Group E							
0x22	DSSD	DSSD access port of uDSC							
0x21	DSIR	Instruction regiter of uDSC							
0x20	DSCR	DSUEN	MM	D1	D0	-	DSN	DSZ	DSC

8-bit LGT8XM

RISC Microcontroller with
In-System Programmable
FLASH Memory

LGT8F88P
LGT8F168P
LGT8F328P

Data book

Version 1.0.4 J