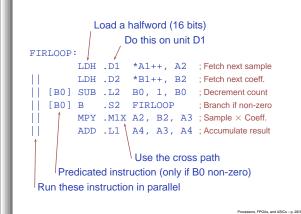
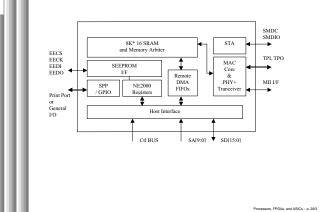


FIR in One 'C6 Assembly Instruction



AX88796 Ethernet Controller



Ethernet Controller Registers

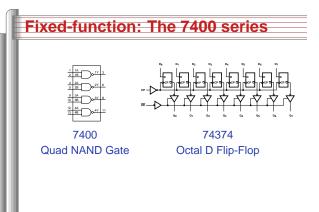
OFFSET	READ	WRITE			
00H	Command Register	Command Register			
	(CR)	(CR)			
01H	Page Start Register	Page Start Register			
	(PSTART)	(PSTART)			
02H	Page Stop Register	Page Stop Register			
	(PSTOP)	(PSTOP)			
03H	Boundary Pointer	Boundary Pointer			
	(BNRY)	(BNRY)			
04H	Transmit Status Register	Transmit Page Start Address			
	(TSR)	(TPSR)			
05H	Number of Collisions Register	Transmit Byte Count Register 0			
	(NCR)	(TBCR0)			
06H	Current Page Register	Transmit Byte Count Register 1			
	(CPR) (TBCR1)				
07H	Interrupt Status Register	Interrupt Status Register			
	(ISR)	(ISR)			
08H	Current Remote DMA Address 0	Remote Start Address Register 0			
	(CRDA0)	(RSAR0)			
09H	Current Remote DMA Address 1	Remote Start Address Register 1			
	(CRDA1)	(RSAR1)			
0AH	Reserved	Remote Byte Count 0			
		(RBCR0)			
0BH	Reserved	Remote Byte Count 1			
		(RBCR1)			
0CH	Receive Status Register	Receive Configuration Registercossors, FPG			
	(RSR)	(RCR)			

.....

<image>

REGISTERFUNCTION	SUB ADDR. (HEX)	07	D6	D5	D4	D 3	D2	D1	D0
Chip version: register 00H									
Chip version (read only)	00	ID07	D06	D05	D04	-	-	-	-
Video decoder: registers 01H t	2111								
FRONTIEND PART: REGISTERS OTH	TO 05H								
Horizontal increment delay	01	(0	60	(1)	(1)	DEL3	DEL2	DEL1	DELO
Analog input control 1	02	FUSE1	FUSED	GUDL1	GUDLO	MCDE3	MODE2	MODE1	MODE0
Analog input control 2	03	(0	HLNRS	VBSL	WPOFF	HOLDG	GAFIX	G4428	GA118
Analog input control 3	04	GA17	GAI16	GAI15	GAI14	GAI13	GN12	GN11	GA110
Analog input control 4	05	GA127	GA126	GAL25	GAL24	GAI23	GA122	GAI21	GA120
DECCORR PART: REGISTERS 06H 1	∋2FH								
Horizontalisyncistart	06	HS87	HS86	H9B5	HSB4	HSB3	HSB2	HS81	HS80
Horizontalisyncistop	07	HSS7	HSS6	HBS5	HSS4	HSS3	HSS2	HSS1	HSSO
Synccontrol	08	ALFD	FSEL	FOET	HTC1	HTC0	HPLL	VNOIL	VNO0
Luminancecontrol	09	BYPS	YCOMB	LDEL.	LUBW	LUFIG	LUFI2	LUFI	LUFI0
Luminance brightness control	0A	DERI7	DERIG	DERIS	DBRM4	DERIC	DERIZ	DERM	DERID
Luminance contrast control	08	DOGN/	D00N6	DCONS	DCON4	DOONS	DOON/2	DOONI	1002/0
Chrominance saturation control	0C	DSAT7	DSAT6	DSAT5	DSAT4	D6AT3	DSAT2	DSAT1	DSATO
Chrominance hue control	00	HJEC7	HJE06	HLEC5	HLEC4	HUEC3	HUEC2	HJEC1	HLEC0
Chrominance control 1	Œ	COTO	CSTD2	CSTD1	CSTDO	DCVF	FCTC	(0)	CCOMB
Chrominance gain control	0F	ACGC	CGAING	CGAIN5	CGAIN4	OGAINS	OGAIN2	CGAINI	CGANO
Chrominance control 2	10	OFFU1	OFFU0	OFFV1	OFF\0	CHEW	LCBW2	LCBW1	LCBM0
Mode/dellay control	11	000	RTP1	HDBL1	HDB.0	RTF0	YDEL2	YDEL1	YDELO
RT signal control	12	RTSE13	RTSE12	RTSE11	RTSE10	RTSECG	RTSE02	RTSED1	RTSECO
RT/X-portaulputaonital	13	FITCE	XFHS	XFMS1	XFMS0	HLSEL	OFTS2	OFTS1	OFTS0
Analog/ADC/compatibility control	14	CM89	UPTOV	AOBL1	AO840	XIOULE	OLDGB	APOK1	APCK0
VGATE start, FID change	15	VSTA7	VSTA6	VSTA5	VSTA4	VSTAG	VSTA2	VSTA1	VSTA0
VGATEstop	16	VST07	VST06	VST05	VSTO4	VSTCG	VST02	VST01	VSTCO
Miscelaneous/VGATE MSBs	17	LLCE	LLC2E	(10	(1)	(1)	VGPS	VST08	VSTA8

SAA7114H Registers, page 1 of 7 (!)



ors, FPGAs, and ASICs - p. 33