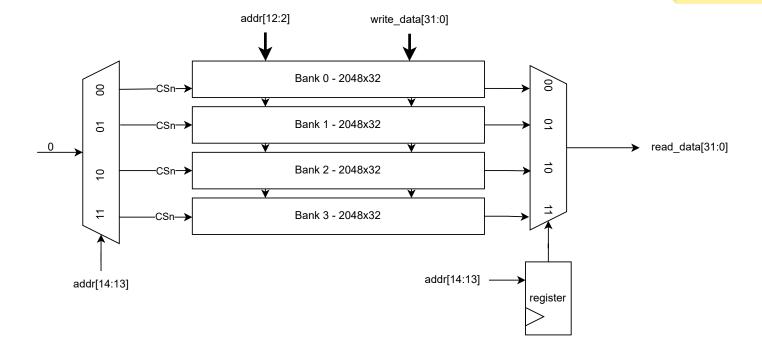
2 bits - bank select			2 bits - byte select			
14	13	12		2	1	0

write enable is used together with byte enable to allow byte selection of a row during the write cycle



MMU Co	reg - 1x32 bits		3		1	0						
	bits - xxxxx		3 bit - number of 1 bit input matrices start				x1A10_3000					
MMU Status register - status reg - 1x32 bits 1									0			
30 bits - not used								1 bit -	1 bit -	x1A10_3004		
error done												
MMU Input data registers - indata_reg - 64x32 bits												
_	ts - x11		8 bits - x21		8 bits - x31			bits - x		x1A10_3100 x1A10_31FF		
31 MMU Ou	24 tput data reg	23 isters	16 - outdata_reg - 1	15 60x32		8	7		0			
14 bits - not used			18 bits - p11							x1A10_3200 x1A10_3480		
31		18	17						0	X1/X10_0400		
• Si 8 0 e • Si a • Si	set the input data registers by sending input matrix elements. Each element is assumed to be 8 bits, unsigned. 4 elements are stored per register. The sequence of the elements should be column-wise - x11, x21, x31 At least 8 registers should be loaded - corresponding to 32 elements, one 4x8 matrix size set the number of input matrices in ctrl_reg[3:1]. The max number of matrices that can be loaded and calculated at one time is 7. set the start flag in ctrl_reg[0] to initiate MMU.											
Conv Co	ntrol register	- ctrl_	reg - 1x32 bits					1	0			
			31 bits - xx	xxx					1 bit - start	x1A10_3500		
Conv Sta	Conv Status register - status_reg - 1x32 bits 3 2 1 0 29 bits - not used											
Conv Inp	ut data regist	er - in	data_reg - 1x32 l	bits								
2 bit - xx	30 bits - row data									x1A10_3508		
31	24	23	16	15		8	7		0			
Conv Ou	tput data regi	sters	- outdata_reg - 1	96x32	bits							
8 bi	ts - x11		8 bits - x21		8 bits - x31		8	bits - x4	1 1	x1A10_350C x1A10_3818		
Conv Filter data registers 1 - filt_reg1 - 1x32 bits 2 bits - 30 bits										x1A10_3900		
Conv Filter data registers 2 - filt_reg2 - 1x32 bits												
2 bits -		x1A10_3904										
Conv Filter data registers 3 - filt_reg3 - 1x32 bits 17 bits - xx 15 bits										x1A10_3908		
					_							

