

Mnemonic	Size	Address Mode		Dn		An		(An)		(An)+		-(An)		d ₁₆ (An)		d ₈ (Xn,An)		Abs.W		Abs.L		d ₁₆ (Pc)		d ₈ (PC,Xn)		s=Imm d=SR/CC		
				#	~	#	~	#	~	#	~	#	~	#	~	#	~	#	~	#	~	#	~	#	~	#	~	#
Memory	W	count =1	d=					2*	12	2*	12	2*	14	4*	16	4*	18	4*	16	6*	20							
MOVE	B/W	d=Dn	s=	2	4	2	4	2	8	2	8	2	10	4	12	4	14	4	12	6	16	4	12	4	14	4	8	
		d=An	s=	MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA
		d=(An)	s=	2	8	2	8	2	12	2	12	2	14	4	16	4	18	4	16	6	20	4	16	4	18	4	12	
		d(An)+	s=	2	8	2	8	2	12	2	12	2	14	4	16	4	18	4	16	6	20	4	16	4	18	4	12	
		d=-(An)	s=	2	8	2	8	2	12	2	12	2	14	4	16	4	18	4	16	6	20	4	16	4	18	4	12	
		d=d ₁₆ (An)	s=	4	12	4	12	4	16	4	16	4	18	6	20	6	22	6	20	8	24	6	20	6	22	6	16	
		d=d ₈ (Xn,An)	s=	4	14	4	14	4	18	4	18	4	20	6	22	6	24	6	22	8	26	6	22	6	24	6	18	
		d = Abs.W	s=	4	12	4	12	4	16	4	16	4	18	6	20	6	22	6	20	8	24	6	20	6	22	6	16	
		d=Abs.L	s=	6	16	6	16	6	20	6	20	6	22	8	24	8	26	8	24	10	26	8	24	8	26	8	20	
	L	d=Dn	s=	2	4	2	4	2	12	2	12	2	14	4	16	4	18	4	16	6	20	4	16	4	18	6	12	
		d=An	s=	MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA		MOVEA
		d=(An)	s=	2	12	2	12	2	20	2	20	2	22	4	24	4	26	4	24	6	28	4	24	4	26	6	20	
		d=(An)+	s=	2	12	2	12	2	20	2	20	2	22	4	24	4	26	4	24	6	28	4	24	4	26	6	20	
		d=-(An)	s=	2	12	2	12	2	20	2	20	2	22	4	24	4	26	4	24	6	28	4	24	4	26	6	20	
		d=d ₁₆ (An)	s=	4	16	4	16	4	24	4	24	4	26	6	28	6	30	6	28	8	32	6	28	6	30	8	24	
		d=d ₈ (Xn,An)	s=	4	18	4	18	4	26	4	26	4	28	6	30	6	32	6	30	8	34	6	30	6	32	8	26	
		d = Abs.W	s=	4	16	4	16	4	24	4	24	4	26	6	28	6	30	6	28	8	32	6	28	6	30	8	24	
		d=Abs.L	s=	6	20	6	20	6	28	6	28	6	30	8	32	8	34	8	32	10	36	8	32	8	34	10	28	
MOVE CCR	W	d = CCR	s=	2	12			2	16	2	16	2	18	4	20	4	22	4	20	6	24	4	20	4	22	4	16	
MOVE SR	W	d=SR	s=	2	12			2	16	2	16	2	18	4	20	4	22	4	20	6	24	4	20	4	22	4	16	
		s=SR	d=	2	6			2	12	2	12	2	14	4	16	4	18	4	16	6	20							
MOVE USP	L	s=USP	d=			2	4																					
		d=USP	s=			2	4																					
MOVEA	W	d=An	s=	2	4	2	4	2	8	2	8	2	10	4	12	4	14	4	12	6	16	4	12	4	14	4	8	
	L	d=An	s=	2	4	2	4	2	12	2	12	2	14	4	16	4	18	4	16	6	20	4	16	4	18	6	12	
MOVEM	W	s=Xn	d=					4	8+4n			4	8+4n	6	12+4n	6	14+4n	6	12+4n	8	16+4n							
		d=Xn	s=					4	12+4n	4	12+4n			6	16+4n	6	18+4n	6	16+4n	8	20+4n	6	16+4n	6	18+4n			
	L	s=Xn	d=					8	8+8n			4	8+8n	6	12+8n	6	14+8n	6	12+8n	8	16+8n							
		d=Xn	s=					4	12+8n	4	12+8n			6	16+8n	6	18+8n	6	16+8n	8	20+8n	6	16+8n	6	18+8n			
MOVEP	W	s=Dn	d=											4	16													
		s=d ₁₆ (An)	d=	4	16																							
	L	s=Dn	d=											4	24													
		s=d ₁₆ (An)	d=	4	24																							
MOVEQ	L	s=imm8	d=	2	4																							
MULS	W	d=Dn	s=	2	<70			2	<74	2	<74	2	<76	4	<78	4	<80	4	<78	6	<82	4	<78	4	<80	4	<74	
MULU	W	d=Dn	s=	2	<70			2	<74	2	<74	2	<76	4	<78	4	<80	4	<78	6	<82	4	<78	4	<80	4	<74	
NBCD			d=	2	6			2	12	2	12	2	14	4	16	4	18	4	16	6	20							
NEG	B/W		d=	2	4			2	12	2	12	2	14	4	16	4	18	4	16	6	20							
	L		d=	2	6			2	20	2	20	2	22	4	24	4	26	4	24	6	28							
NEGX	B/W		d=	2	4			2	12	2	12	2	14	4	16	4	18	4	16	6	20							
	L		d=	2	6			2	20	2	20	2	22	4	24	4	26	4	24	6	28							
NOP				2	4																							
NOT	B/W		d=	2	4			2	12	2	12	2	14	4	16	4	18	4	16	6	20							
	L		d=	2	6			2	20	2	20	2	22	4	24	4	26	4	24	6	28							

