

Sonne CPU
rev. Daffodil
Opcode Matrix
Mnemonic
Chart

MSB	LSB	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
		<u>0</u>	1	2	3	4	5	6	7	8	9	A	B	<u>C</u>	<u>D</u>	E	F
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0000	0_	<u>NOP</u>	<u>RET</u>	nf	ng	nl	ns	np	nr	nd	nj	ni	ne	r0+	r8-	na	nb
0001	1_	<u>SSI</u>	<u>LID</u>	mf	mg	ml	ms	mp	mr	md	mj	mi	me	r1+	r7-	ma	mb
0010	2_	<u>SSO</u>	fm	<u>CALL</u>	fg	fl	fs	fp	fr	fd	fj	fi	fe	r2+	r6-	fa	fb
0011	3_	<u>SCL</u>	gm	gf	<u>EXIT</u>	gl	gs	gp	gr	gd	gj	gi	ge	r3+	r5-	ga	gb
0100	4_	<u>SCH</u>	lm	lf	lg	ll	ls	lp	lr	ld	lj	li	le	r4+	r4-	la	lb
0101	5_	<u>HIZ</u>	sm	sf	sg	sl	ss	sp	sr	sd	sj	si	se	r5+	r3-	sa	sb
0110	6_	<u>LEAVE</u>	pm	pf	pg	pl	ps	pp	pr	pd	pj	pi	pe	r6+	r2-	pa	pb
0111	7_	<u>ENTER</u>	rm	rf	rg	rl	rs	rp	rr	rd	rj	ri	re	r7+	r1-	ra	rb
1000	8_	*0	*1	*2	*3	*4	*5	*6	*7	*8	*9	*10	*11	*12	*13	*14	*15
1001	9_	*16	*17	*18	*19	*20	*21	*22	*23	*24	*25	*26	*27	*28	*29	*30	*31
1010	A_	*32	*33	*34	*35	*36	*37	*38	*39	*40	*41	*42	*43	*44	*45	*46	*47
1011	B_	*48	*49	*50	*51	*52	*53	*54	*55	*56	*57	*58	*59	*60	*61	*62	*63
1100	C_	G0a	G1a	G2a	G3a	aG0	aG1	aG2	aG3	L0a	L1a	L2a	L3a	aL0	aL1	aL2	aL3
1101	D_	G0b	G1b	G2b	G3b	bG0	bG1	bG2	bG3	L0b	L1b	L2b	L3b	bL0	bL1	bL2	bL3
1110	E_	G0r	G1r	G2r	G3r	rG0	rG1	rG2	rG3	L0r	L1r	L2r	L3r	rL0	rL1	rL2	rL3
1111	F_	IDA	IDB	OCA	OCB	SLA	SLB	SRA	SRB	AND	IOR	EOR	ADD	CYF	ALB	AEB	AGB