

SS30 Floppy Disk Controller Parts List

Reference	Description	Manufacturer	Part Number	Vendor	Order Number	Each	Qty	Cost
C1, C2	4.7uF @ 10VDC Tantalum Cap	Panasonic	ECS-F1AE475K	Digi-Key	P2024-ND	0.48	2	0.96
C3, C5	0.01uF 50V Poly B Series ap	Panasonic	ECQ-B1H103JF	Digi-Key	P4582-ND	0.12	2	0.25
C4	6-70 PF Ceramic Trimmer Cap			Jameco	32854	0.99	1	0.99
C6,C8, C9, C10, C11, C12, C13, C16*, C17*	0.1uF 50V 20% Ceramic Mono Cap	Panasonic	ECU-S1H104MEA	Digi-Key	P4924-ND	0.43	7	3.01
C7	220uF 16V Alum Lytic Radial Cap	Panasonic	ECA-1CM221	Digi-Key	P5139-ND	0.35	1	0.35
C14	0.01uF 50V 20% Ceramic Mono Cap	Panasonic	ECU-S1H103MEA	Digi-Key	P4963-ND	0.32	1	0.32
C15	0.0001 UFD Polypropylene Cap	Panasonic	ECQ-P1H101JZ	Digi-Key	P3101-ND	0.28	1	0.28
C18*, C19*	0.33uF 35VDC Tantalum Cap	Panasonic	ECS-F1VE334	Digi-Key	P2056-ND	0.36	0	0.00
D1	High-speed diode DO-35	Vishay	1N914-VSHY	Jameco	179207	0.06	1	0.06
HS	Heatsink Lightweight.5" TO-220	Aavid Thermalloy	530714B00000	Digi-Key	HS189-ND	0.41	1	0.41
J1	10 Circuit Right-Angle PCB Conn .156 Polarizing Key for 0.156 Housings	Molex Molex	09-52-3101 15-04-0219	Digi-Key Digi-Key	WM3307-ND WM2402-ND	1.67 0.29	3 1	5.01 0.29
J2	Shrouded Header 34 Pos Straight	3M	2534-6002UB	Digi-Key	MHB34K-ND	2.06	1	2.06
J3	Protect Header RT/Ang 34 Contact	3M	3431-5002	Digi-Key	MHR34K-ND	3.02	1	3.02
J4	Header 14 Pos Fric STR MTA-100	AMP	1-640456-4	Digi-Key	A19477-ND	0.93	1	0.93
J5	Jumper 3 position (from J4)							
J6	Jumper 3 position (from J4)							
J7	Jumper 2 position (from J4)							
Shunt	Shunt .200 C/P LP 2 Pos 30AU	AMP	531230-3	Digi-Key	A26233-ND	0.56	1	0.56
R1	75K Ohm 1/4W 5% Carbon film res	Yageo	CFR-25JB-75K	Digi-Key	75KQBK-ND	0.06	1	0.06
R2	150K Ohm 1/4W 5% Carbon film res	Yageo	CFR-25JB-150K	Digi-Key	150KQBK-ND	0.06	1	0.06
R3	47K Ohm 1/4W 5% Carbon film res	Yageo	CFR-25JB-47K	Digi-Key	47KQBK-ND	0.06	1	0.06
R4	100K Ohm 1/4W 5% Carbon film res	Yageo	CFR-25JB-100K	Digi-Key	100KQBK-ND	0.06	1	0.06
R5	10K Ohm 1/4W 5% Carbon film res	Yageo	CFR-25JB-10K	Digi-Key	10KQBK-ND	0.06	1	0.06
R6	1K Ohm 1/4W 5% Carbon film res	Yageo	CFR-25JB-1K0	Digi-Key	1.0KQBK-ND	0.06	1	0.06
R7	10K Ohm Res Network 8 SIP Bussed	Bourns	4608X-101-103	Digi-Key	4608X-1-103-ND	0.32	1	0.32
R8, R9, R10, R11	150 Ohm 1/4W 5% Carbon film res	Yageo	CFR-25JB-150R	Digi-Key	150QBK-ND	0.06	4	0.22

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R12	50K Ohm 3/4 Rect Cerm MT Pot	Bourns	3006P-1-503	Digi-Key	3006P-503-ND	1.73	1	1.73
R13	10K Ohm 3/4 Rect Cerm MT Pot	Bourns	3006P-1-103	Digi-Key	3006P-103-ND	1.73	1	1.73
S1	Dip Switch 6 position	CTS	206-6	Digi-Key	CT2066-ND	1.09	1	1.09
U1	Floppy Disk Controller	WD - SMC	WD2797	BG Micro	ICS2797	7.25	1	7.25
U2	CPLD 72 Macrocell 84-PLCC	Xilinx	XC9572-15PC84C	Digi-Key	122-1172-ND	6.10	1	6.10
U3	5 V 1A pos. voltage regulator	Unitrode	7805T	Jameco	51262	0.29	1	0.29
U4	Oscillator programmable timer	National	CD4541	Jameco	13688	0.49	1	0.49
U5	Dual mono. multivibrator with clear	TI	74LS123	Jameco	46480	0.35	1	0.35
U6	Hex buffer tri state	TI	74LS367	Jameco	47562	0.29	1	0.29
U7, U8	Hex inverter open collector	TI	74LS06	Jameco	46359	0.45	2	0.90
U9	Oscillator 12MHz Half Size with tri state output	CTS	MXO45HST-12.000	Digi-Key	CTX194-ND	2.78	1	2.78
U10*	5V 0.1 Amp Neg Volt Reg TO-92	National	LM320LZ-5.0	Digi-Key	LM320LZ-5.0-ND	0.61	0	0.00
U11*	12 VOLT 0.1 Amp Volt Reg TO-92	National	LM78L12ACZ	Digi-Key	LM78L12ACZ-ND	0.61	0	0.00
US1	40 Pin IC Socket Gold .600	Mill-Max	110-93-640-41-001	Digi-Key	ED3640-ND	2.09	1	2.09
US2	Conn PLCC Socket 84 Pos Thru Hole	Mill-Max	940-99-084-24-000000	Digi-Key	ED80027-ND	1.14	1	1.14
US4, US7, US8	14 Pin IC Socket Gold .300	Mill-Max	110-93-314-41-001	Digi-Key	ED3314-ND	0.73	3	2.19
US5, US6	16 Pin IC Socket Gold .300	Mill-Max	110-93-316-41-001	Digi-Key	ED3316-ND	0.83	2	1.66
US9	Oscillator Socket Half Size 4 Pin	Aries Electronics	1108800	Digi-Key	A463-ND	0.60	1	0.60
	*optional				Total			50.06