

FileStore E01E FDC Board BOM

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
A1,2,3,4,5,C102,202	47n	Ceramic capacitor			7
B1	100uF/25V	Electrolytic capacitor			1
C5	220nF	Ceramic capacitor			1
C10	10uF/10V	Tantalum bead capacitor			1
C11	25pF	Variable capacitor			1
C12	33p	Ceramic capacitor			1
C100,101,200,201	22p	Ceramic capacitor			4
C300	100n	Ceramic capacitor			1
C301	2u2/16V	Tantalum bead capacitor			1
D6,300	1N4148	Silicon diode			1
IC14	74HCT273	Octal positive edge-triggered D-type flip-flop			1
IC18	SN74AHCT1G32DBVRG4	Single 2-input OR gate		Mouser	1
IC19	74HCT74	Dual positive-edge-triggered D flip-flops			1
IC23	7438	Quad 2-input NAND buffer			1
IC24	74LS123	Dual retriggerable monostable			1
IC25	7416	Hex inverter/buffer			1
IC26	TMS2793	Floppy disk controller			1
IC100,200	STM32F105RBT6	32-bit ARM processor			2
IC300	AP7381-33V-A	3V3 LDO regulator			1
IC301	74AHCT08	Quad 2-input AND gate			1
J100,200	5-pin 0.1" header	GOTEK Encoder	for optional rotary encoder		2
J101,201	2-pin 0.1" header	GOTEK BOOT0	link during programming		2
J102,202	4-pin 0.1" header	GOTEK OLED	for optional OLED display		2
J103,203	3-pin 0.1" header	GOTEK Program Port	connect to FTDI for programming		2
J104,204	USB Type A skt vertical	GOTEK USB Port	for USB memory stick		2
J105,205	2-pin 0.1" header	Drive LED	for optional drive LED		2
LK100	2-pin 0.1" header	FDC test mode	Normally fitted, remove for Test		1
PL1	DIN 41612 AB 64-way	Right angle plug			1
R12	3K3	250mW resistor			1
R13	1K5	250mW resistor			1
R14,104	1K0	250mW resistor			2
R21,302,303,304,305,306	4K7	250mW resistor	R302-305 only fit if IC200 is NOT fitted		3
R22	680R	250mW resistor			1
R24	220K	250mW resistor			1
R101,201	330R	250mW resistor			2
R102,103,202,203	22R	250mW resistor			4
R300	270 x 4	SIL resistor pack	only required for floppy drive	Bourns 4605X-101-271LF	1
R301	1K0 x 8	SIL resistor pack	only required for GOTEK	Bourns 4609X-101-102LF	1
SK1	34-way box header		only required for floppy drive		1
TP2	Testpoint	DIRC			1
TP3	Testpoint	RPW			1
TP4	Testpoint	WPW			1
X100,200	8MHz	Crystal HC49u			2
IC19,23,25,301	14-pin	DIL socket			4
IC24	16-pin	DIL socket			1
IC14	20-pin	DIL socket			1
IC26	40-pin	DIL socket			1
R300	5-pin	SIL socket	Optional		1
R301	9-pin	SIL socket	Optional		1

Offboard Parts

(J100,200)		Rotary encoder with switch and knob	only required for GOTEK		2
(J102,202)	0.91"	OLED display	only required for GOTEK		2
(J105,205)	Green 5mm		Drive LEDs		2
	5HP 3U	Front panel with handle and fittings	for optional Floppy variant front panel	Verotec 957-235349	1
	10HP 3U	Front panel with handle and fittings	for optional GOTEK variant front panel	Verotec 957-235355	1
		Panel brackets	for optional front panel	Verotec 173-12525 or print your own	pair
	M2.5 x 10mm	Pan head screws	for optional front panel		4
	M2.5	Nuts	for optional front panel		4

100,200 and 300 series components are only fitted for GOTEK