

F3F TIMER v7 COMPONENT LIST.

Name	Type	Rapid Electronics Ref	RS Components Ref	Technobots Ref	Other Suppliers
R1	1K8 0.6w Metal Film	62-3569 (Packs of 100)	148-562 (Packs of 10)	2001-108 (Packs of 10)	-
R2	3K3 0.6w Metal Film	62-3575	148-629	2002-303	-
R3	680 0.6w Metal Film	62-3561	148-461	2001-680	-
R4	390 0.6w Metal Film	62-3555	148-405	2001-390	-
R5	3K3 0.6w Metal Film	62-3575	148-629	2002-303	-
R6	680 0.6w Metal Film	62-3561	148-461	2001-680	-
R7	390 0.6w Metal Film	62-3555	148-405	2001-390	-
R8	10K 0.6w Metal Film	62-3583	148-736	2003-010	-
R9	2K2 0.6w Metal Film	62-3571	148-584	2002-202	-
R10	2K2 0.6w Metal Film	62-3571	148-584	2002-202	-
R11	390 0.6w Metal Film	62-3555	148-405	2001-390	-
R12	3K3 0.6w Metal Film	62-3575	148-629	2002-303	-
R13	10K 0.6w Metal Film	62-3583	148-736	2003-101	-
R14	470 0.6w Metal Film	62-3557	148-427	2001-470	-
R15	3K3 0.6w Metal Film	62-3575	148-629	2002-303	-
VR1	100K 3/8" Cermet Multiturn	68-1168	521-9209	2000-510	-
C1	220n Ceramic	11-3449	538-1584	2069-091	-
C2	220n Ceramic	11-3449	538-1584	2069-091	-
C3	10uf * 25v Electro Axial	11-0120	324-5234	2018-010	-
C4	220uf * 35v Electro Radial	11-1116	315-0726	2019-220	-
C5	100n Ceramic	11-3454	538-1310	2069-089	-
C6	100n Ceramic	11-3454	538-1310	2069-089	-
C7	100n Ceramic	11-3454	538-1310	2069-089	-
C8	100n Ceramic	11-3454	538-1310	2069-089	-
C9	100n Ceramic	11-3454	538-1310	2069-089	-
C10	22pf Ceramic	11-3427	538-1461	2069-009	-
C11	22pf Ceramic	11-3427	538-1461	2069-009	-
C12	100n Ceramic	11-3454	538-1310	2069-089	-
C13	100n Ceramic	11-3454	538-1310	2069-089	-
C14	100n Ceramic	11-3454	538-1310	2069-089	-
D1	BAT43 Schottky Diode	47-2904	251-3025	2100-050 (BAT85)	-
D2	BAT43 Schottky Diode	47-2904	251-3025	2100-050 (BAT85)	-
D3	BAT43 Schottky Diode	47-2904	251-3025	2100-050 (BAT85)	-
LED1	3MM 5V RED LED	56-1400	228-5483	2110-320	-

List7.pdf. All references given above are for information only, and for use at your own risk. All information is given in good faith and without liability.

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Name	Type	Rapid Electronics Ref	RS Components Ref	Technobots Ref	Other Suppliers
VT1	ZVN4306A MOSFET	47-0166	841-299	-	-
IC1	4001BE Quad Input NOR	83-0316	622-9483	2200-005	-
IC2	7555 CMOS Timer	82-0342	308-023	2250-032	-
IC3	PIC16F886A Processor	73-3728	399-432	-	-
PS1	RXEF050 Poly Switch	26-0720	517-6635 (Pack of 10)	1391-050	-
BR1	W005 1.5A Bridge Rectifier	47-3190	700-5490	2100-200	-
VREG1	7805 5v Regulator	47-3290	516-5938	2230-110	-
OPTO1	4N25 Opto Isolator	58-0810	597-289	-	-
OPTO2	4N25 Opto Isolator	58-0810	597-289	-	-
OPTO3	4N25 Opto Isolator	58-0810	597-289	-	-
					-
SKT1	Molex 4Pin PCB Plug 90deg	22-0858 / 0824 / 0836	173-2944 / 679-5319 / 467-598	1064-204 (Vertical Only)	-
SKT2	Molex 5Pin PCB Plug 90deg	22-0860 / 0826 / 0836	173-2950 / 670-1636 / 467-598	1064-205 (Vertical Only)	-
SKT3	1/4" Stereo PCB Socket	20-0168	449-348	1205-070	-
SKT4	1/4" Stereo PCB Socket	20-0168	449-348	1204-070	-
SKT5	Molex 2Pin PCB Plug	22-0838 / 0820 / 0836	483-4681 / 679-5363 / 467-598	1241-412 / 1241-312	-
SKT6	Molex 2Pin PCB Plug	22-0838 / 0820 / 0836	483-4681 / 679-5363 / 467-598	1241-412 / 1241-312	-
SKT7	2.5mm Power Socket	20-1096 / 20-0920	768-4419 / 525-1564	1204-115 / 1204-025	-
SKT8	Single Row PCB Header	22-0515	251-8351	2700-084	-
SKT9	3.5mm Stereo Socket	54-4728	505-1429	7203-071 (Pack of 10)	-
SKT10	4MM Panel Socket Red	17-2673	753-1801	1240-030	-
SKT11	4MM Panel Socket Black	17-2672	753-1810	1240-031	-
SKT12	28pin DIL	22-1726	801-796 (Pack of 5)	2700-058	-
Spacer	Hex Nylon 13mm Long 3mm	33-2040 (Pack of 100)	102-6378 (Pack of 10)	4607-027	-
PZ1	12v Piezo Siren	43-0602	-	-	Lyntek TK403
RLY1	5v SIL Reed Relay	60-0650	349-2884	-	-
CASE	Size 114 x 76 x 38mm	-	-	-	Maplin LH14 on eBay
XTAL	4mhz Low Profile	90-0310	547-6171	-	-
PCB	-	-	-	-	The Author

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ADDITIONAL ITEMS :-

Push Button (Remote Start)

Name	Type	Rapid Electronics Ref	RS Components Ref	Technobots Ref	Other Suppliers
CASE	Hammond 1591ASGY	30-6219	415-2745	2800-355	
PUTTON	Non Latching Push Button	78-0110	-	1613-070	
SWITCH	V3 Button type Microswitch	50-2516	616-0215	1610-002	
SOCKET	3.5mm Mono Socket	54-4728	505-1429	-	
CABLE	2 core lightweight Audio	55-6710 (Inc Plugs)	628-7180 (Inc Plugs)	1205-260 (Inc Plugs)	

Push Buttons (at Bases)

Name	Type	Rapid Electronics Ref	RS Components Ref	Technobots Ref	Other Suppliers
CASE	Hammond 1591ATBU	30-3850	415-2745	2800-355	
PUTTON	Non Latching Push Button	78-0110	-	1613-070	
SWITCH	V3 Button type Microswitch	50-2516	616-0215	1610-002	
SOCKET	6.35mm Mono Socket	20-0143	478-015	1205-070	
CABLE	4 Core flexible Signal Cable	01-0700	-	-	

Bluetooth

Name	Type	Rapid Electronics Ref	RS Components Ref	Technobots Ref	Other Suppliers
MODULE	Bluetooth HC-05	-	-	-	eBay
R1	1K8 0.6w Metal Film	62-3569 (Packs of 100)	148-562 (Packs of 10)	2001-108 (Packs of 10)	
R2	3K3 0.6w Metal Film	62-3575 (Packs of 100)	148-629 (Packs of 10)	2002-303 (Packs of 10)	
C1	10uF x 16v Tantalum Capacitor	11-0642 (Packs of 5)	538-2076 (Pack of 5)	2033-010	
VREG1	LM1117 SOT223 SMD 5v	-	535-8641 (Pack of 5)	-	eBay (AMS1117)
PCB	-	-	-	-	The Author