

F3F TIMER v5 COMPONENT LIST.

Name	Type	MAPLIN Ref	Rapid Electronics Ref	RS Components Ref	Technobots Ref
R1	1K8 0.6w Metal Film	M390R	62-3569 (Packs of 100)	148-562 (Packs of 10)	2001-108 (Packs of 10)
R2	3K3 0.6w Metal Film	M3K3	62-3575	148-629	2002-303
R3	680 0.6w Metal Film	M680R	62-3561	148-461	2001-680
R4	390 0.6w Metal Film	M390R	62-3555	148-405	2001-390
R5	3K3 0.6w Metal Film	M3K3	62-3575	148-629	2002-303
R6	680 0.6w Metal Film	M680R	62-3561	148-461	2001-680
R7	390 0.6w Metal Film	M390R	62-3555	148-405	2001-390
R8	10K 0.6w Metal Film	M10K	62-3583	148-736	2003-010
R9	2K2 0.6w Metal Film	M2K2	62-3571	148-584	2002-202
R10	2K2 0.6w Metal Film	M2K2	62-3571	148-584	2002-202
R11	390 0.6w Metal Film	M390R	62-3555	148-405	2001-390
R12	3K3 0.6w Metal Film	M3K3	62-3575	148-629	2002-303
R13	10K 0.6w Metal Film	M10K	62-3583	148-736	2003-101
R14	470 0.6w Metal Film	M470R	62-2082	148-427	2001-470
R15	3K3 0.6w Metal Film	M3K3	62-3575	148-629	2002-303
VR1	10K 3/8" Cermet Multiturn	UH27	68-1168	521-9192	2000-507
C1	220n Ceramic	RA50	11-3456	211-5564	2069-091
C2	220n Ceramic	RA50	11-3456	211-5564	2069-091
C3	10uf * 25v Electro Axial	AT02	11-0120	267-4710	2018-010
C4	220uf * 35v Electro Radial	DT66	11-1240	315-0726	2069-220
C5	100n Ceramic	RA49	11-3454	211-5491	2069-089
C6	100n Ceramic	RA49	11-3454	211-5491	2069-089
C7	100n Ceramic	RA49	11-3454	211-5491	2069-089
C8	100n Ceramic	RA49	11-3454	211-5491	2069-089
C9	100n Ceramic	RA49	11-3454	211-5491	2069-089
C10	22pf Ceramic	RA34	08-0916	538-1461	2069-085
C11	22pf Ceramic	RA34	08-0916	538-1461	2069-085
C12	100n Ceramic	RA49	11-3454	211-5491	2069-089
C13	100n Ceramic	RA49	11-3454	211-5491	2069-089
C14	100n Ceramic	RA49	11-3454	211-5491	2069-089
D1	BAT43 Schottky Diode	VR19	47-2904	251-3025	2100-050 (BAT85)
D2	BAT43 Schottky Diode	VR19	47-2904	251-3025	2100-050 (BAT85)
D3	BAT43 Schottky Diode	VR19	47-2904	251-3025	2100-050 (BAT85)
LED1	3MM 5V RED LED	-	56-1400	228-5483	2110-320

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Name	Type	MAPLIN Ref	Rapid Electronics Ref	RS Components Ref	Technobots
VT1	ZVN4306A MOSFET	-	47-0166	841-299	-
IC1	4001BE Quad Input NOR	QX01	83-0316	518-8593	2200-005
IC2	7555 CMOS Timer	QH66 (not CMOS)	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	AQ94	50-0270	659-532	2100-200
VREG1	7805 5v Regulator	CR14 / N67	47-3313	516-5938	2230-110
OPTO1	4N25 Opto Isolator	AY44	58-0810	597-289	-
OPTO2	4N25 Opto Isolator	AY44	58-0810	597-289	-
OPTO3	4N25 Opto Isolator	AY44	58-0810	597-289	-
SKT1	Molex 4Pin PCB Plug 90deg	-	22-0858 / 0824 / 0836	173-2944 / 296-4956 / 467-598	1064-204 (Vertical Only)
SKT2	Molex 5Pin PCB Plug 90deg	-	22-0860 / 0826 / 0836	173-2950 / 296-4962 / 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	RK65 / HB59 / YW25	22-0838 / 0820 / 0836	483-4681 / 296-4964 / 467-598	1064-202 Header + Plug
SKT6	Molex 2Pin PCB Plug	RK65 / HB59 / YW25	22-0838 / 0820 / 0836	483-4681 / 296-4964 / 467-598	1064-202 Header + Plug
SKT7	2.5mm Power Socket	JK10 / HH62	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	HF82	54-4728	505-1429	7203-071 (Pack of 10)
SKT10	4MM Panel Socket Red	N35	17-2673	753-1801	1240-030
SKT11	4MM Panel Socket Black	N32	17-2672	753-1800	1240-031
SKT12	28pin DIL	FZ57	22-1726	801-796 (Pack of 5)	2700-058
Spacer	Hex Nylon 13mm Long 3mm	QT91 (Pack of 10)	33-2040 (Pack of 100)	102-6378 (Pack of 10)	4607-027
PZ1	12v Piezo Siren	YZ03	43-0602	-	-
RLY1	5v SIL Reed Relay	-	60-0650	349-2884	-
CASE	Size 114 x 76 x 38mm	LH14	-	-	-
XTAL	4mhz Low Profile	RR83	90-1406	547-6171	-

ADDITIONAL ITEMS :-

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Push Button (Remote Start)

Name	Type	MAPLIN Ref	Rapid Electronics Ref	RS Components Ref	Technobots Ref
CASE	Hammond 1591ATBU	N05G	30-3850	415-2745	2800-355
PUTTON	Non Latching Push Button	FF98	78-0110	-	1613-070
SWITCH	V3 Button type Microswitch	GW71	50-2516	616-0215	1610-002
SOCKET	3.5mm Mono Socket	HF82D	54-4728	505-1429	-
CABLE	2 core lightweight Audio	L29B (Inc Plugs)	55-6710 (Inc Plugs)	628-7180 (Inc Plugs)	1205-260 (Inc Plugs)

Push Buttons (at Bases)

Name	Type	MAPLIN Ref	Rapid Electronics Ref	RS Components Ref	Technobots Ref
CASE	Hammond 1591ATBU	N05G	30-3850	415-2745	2800-355
PUTTON	Non Latching Push Button	FF98	78-0110	-	1613-070
SWITCH	V3 Button type Microswitch	GW71	50-2516	616-0215	1610-002
SOCKET	6.35mm Mono Socket	HF90	20-0143	478-015	1205-070
CABLE	4 Core flexible Signal Cable	XR89	01-0700	-	-

Bluetooth

Name	Type	MAPLIN Ref	Rapid Electronics Ref	RS Components Ref	Technobots Ref
MODULE	Bluetooth HC-05	-	-	-	-
R1	1K8 0.6w Metal Film	M390R	62-3569 (Packs of 100)	148-562 (Packs of 10)	2001-108 (Packs of 10)
R2	3K3 0.6w Metal Film	M3K3	62-3575 (Packs of 100)	148-629 (Packs of 10)	2002-303 (Pack of 10)
C1	10uF x 16v Tantalum Capacitor	WW68Y	11-0652 (Packs of 5)	538-2076 (Pack of 5)	2033-010
VREG1	LM1117 SOT223 SMD	-	-	535-8641 (Pack of 5)	-

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