

Development Item #APGAR Timer

Product	APGAR Timer	Variant	Basic unit
BOM Number	5	Mechanical Drawings Reference Numbers	
BOM Version	1.00	Assembly Procedures Reference Numbers	
Creation Date	1097152061	Circuit Diagram Reference Numbers	
author	Peter Anderson		

NOTE : * NOT TO BE SUPPLIED. Included Parts

	Remove	Circuit Reference	Description	Manufacturer	PDF	Supplier	Order Number	Cost
*	X		CE Label		PDF			
*	X		Instruction Booklet		PDF			
*	X		Case		PDF			
*	X		Membrane Keypad		PDF			
*	X		Service Manual		PDF			
*	X		Packaging		PDF			
*	X	B1	Battery AA Alkaline PC1500 2700mAh	Duracell	PDF	CPC	BT02404	9.91/20
*	X	BH1	Battery Holder TH 4 x 'AA' BE60	BOPLA	PDF	Phoenix Mecano	BE60	2.76/50
	X	C1	Capacitor SMD 0603 220pF 50V 5% NPO	Phycomp	PDF	Farnell	430-948	0.029/10
	X	C2	Capacitor SMD 1210 47uF 6V3 15% X5R	Murata GRM32ER60J476ME20L	PDF	Farnell	471-6760	0.65/10
	X	C3	Capacitor SMD 0603 10pF 50V 5% NPO	Phycomp	PDF	Farnell	721-967	0.03/10
	X	C4	Capacitor SMD 1210 22uF 16V 15% X5R	Murata GRM32ER61A106KC01L	PDF	Farnell	471-6735	0.21/10
	X	C5	Capacitor SMD 0603 100nF 16V 10% X7R	Phycomp	PDF	Farnell	432-210	0.026/100
	X	C6	Capacitor SMD 0603 100nF 16V 10% X7R	Phycomp	PDF	Farnell	432-210	0.026/100
	X	C7	Capacitor SMD 0603 10pF 50V 5% NPO 22pF	Phycomp	PDF	Farnell	721-967	0.03/10
	X	C8	Capacitor SMD 0603 10pF 50V 5% NPO 22pF	Phycomp	PDF	Farnell	721-967	0.03/10
	X	C9	Capacitor SMD 0603 100nF 16V 10% X7R	Phycomp	PDF	Farnell	432-210	0.026/100
	X	CN1	Connector M20 SMD Right-angled 4-way	Harwin	PDF	Farnell	486-1050	0.28/10
	X	CN2	Connector IL-Z SMD Right-angled Pin header 6-way IL-Z-6PL-SMTY	JAE	PDF	Farnell	388-7042	0.29/100

X	D1	Diode SMD SOT-23 BAT754	Philips	PDF	Farnell	354-7024	0.089/5
X	D2	Diode SMD SOT-23 BAT754	Philips	PDF	Farnell	354-7024	0.089/5
X	D3	Diode SMD SOT-23 BAT754	Philips	PDF	Farnell	354-7024	0.089/5
X	IC1	Integrated Circuit SMD MS8 LTC1877	Linear Technology	PDF	Linear Technology	LTC1877EMS8	
X	IC2	Integrated Circuit SMD SO20 ST7LITE15	ST Microelectronics	PDF	Eurodis Electronics UK	ST7FLITE15F1M6	
X	IC3	Integrated Circuit SMD M08A LM385M-1.2	National Semiconductor	PDF	Farnell	410-974	0.26/100
X	IC4	Integrated Circuit SMD SOT190-1 PCF8576CT	Philips	PDF			
X	L1	Inductor SMD 1210 10uH 10%	Murata LQH32CN100K11L	PDF	Farnell	353-1338	0.25/5
* X	LCD1	LCD TH VI421-DP4.0-RC-12	Varitronix (UK) Limited	PDF	Varitronix (UK) Limited	VI421-DP4.0-RC-12	7.29/100
X	PCB	VIAMED APGAR Timer V1.0 P/N 0330555	Northern HI-TEC	PDF	Northern HI-TEC		
X	R1	Resistor SMD 0603 953k 0.063W 1%	Multicomp	PDF	Farnell	422-5685	0.02/50
X	R10	Resistor SMD 0603 10k 0.063W 1%	Multicomp	PDF	Farnell	911-355	0.02/50
X	R11	Resistor SMD 0603 10k 0.063W 1%	Multicomp	PDF	Farnell	911-355	0.02/50
X	R12	Resistor SMD 1206 0R 0.125W 1%	Multicomp	PDF	Farnell	772-240	0.022/50
X	R13	Resistor SMD 1206 0R 0.125W 1%	Multicomp	PDF	Farnell	772-240	0.022/50
X	R14	Resistor SMD 0603 470R 0.063W 1%	Multicomp	PDF	Farnell	911-197	0.02/50
X	R15	Resistor SMD 0603 470R 0.063W 1%	Multicomp	PDF	Farnell	911-197	0.02/50
X	R16	Resistor SMD 0603 470R 0.063W 1%	Multicomp	PDF	Farnell	911-197	0.02/50
X	R17	Resistor SMD 0603 4k7 0.063W 1%	Multicomp	PDF	Farnell	911-318	0.02/50
X	R2	Resistor SMD 0603 300k 0.063W 1%	Multicomp	PDF	Farnell	357-1695	0.02/50
X	R3	Resistor SMD 0603 287k 0.063W 1%	Multicomp	PDF	Farnell	422-5193	0.02/50
X	R4	Resistor SMD 0603 330k 0.063W 1%	Multicomp	PDF	Farnell	911-537	0.02/50
X	R5	Resistor SMD 0603 68k 0.063W 1%	Multicomp	PDF	Farnell	911-458	0.02/50
X	R6	Resistor SMD 0603 2k7 0.063W 1%	Multicomp	PDF	Farnell	911-288	0.02/50
X	R7	Resistor SMD 0603 2k7 0.063W 1%	Multicomp	PDF	Farnell	911-288	0.02/50
X	R8	Resistor SMD 0603 10k 0.063W 1%	Multicomp	PDF	Farnell	911-355	0.02/50
X	R9	Resistor SMD 0603 10k 0.063W 1%	Multicomp	PDF	Farnell	911-355	0.02/50
X	SNDR1	Piezo Transducer SMD SFM-1740		PDF	Farnell	392-1165	0.79/100
X	X1	Quartz Crystal SMD 85SMX 32768Hz 20%	CMAC	PDF	Farnell	316-0312	0.52/100

Circuit Reference