

Part	Description	Source	Part Number	Count
CB-1	Main Board			1
CB-2	Display Board			1
CB-3	Colon Board			4
B1	3 V Lithium			1
BH1	Battery Holder	Digikey	BA2032-ND	1
C1	220uf 25v	Digikey	493-1823-ND	1
C2,C4,C7, C12-C18	.1uf 50v	Digikey	399-2143-ND	10
C3	180uf 16v	Digikey	493-1782-ND	1
C5	470uf 35v	Digikey	P5168-ND	1
C6	680pf 200v	Digikey	399-1935-ND	1
C8	2.2uf 250 volt	Mouser	647-UVR2E2R2MEA	1
C9	10uf 16v	Digikey	493-1767-ND	1
C10, C11	33pf 200v	Digikey	399-1927-ND	2
D1	50 V - 2 amp	Digikey	W005GGI-ND	1
D2	1N5819	Digikey	1N5819RLOSCT-ND	1
D3	UF4007	Mouser	512-UF4007	1
I1 - I6	INS-1		INS-1	6
L1	100uH	Digikey	M9868-ND	1
L2	330 Uh	Digikey	M6238-ND	1
Q1	IRF720	Mouser	512-IRF720B	1
Q2 - Q9	MPSA42	Mouser	512-MPSA42_J18Z	8
R1	5.1k	Jameco	31237CR	1
R2	330	Jameco	30867CR	1
R3	680k	Jameco	31501CR	1
R4	5k trimpot	Jameco	241445CH	1
R5	4.7k	Jameco	31026CR	1
R6 - R12, R14	33k	Jameco	30841CR	8
R13, R15, R27-R30	1.2M	Jameco	29743CR	6
R16	1k	Jameco	29663CR	1
R17-R22	36k	Digikey	36KH-ND	6
R23-R26	10k	Jameco	29911CR	4
RN1,RN2	10k Resistor Array	Jameco	280946	2
S1	Red SPST	Digikey	EG1840-ND	1
S2	Black SPST	Digikey	EG1839-ND	1
U1	LM2595-5	Digikey	LM2595T-5.0-ND	1
U2	MC34063	Digikey	MC34063AP1OS-ND	1
U3 - U8	74141			6
U9	SN74HCT138N	Digikey	296-1608-5-ND	1
U10, U11, U14	SN74HCT04N	Digikey	296-1605-5-ND	3
U12	AT89C51RC-33PC	Digikey	AT89C51RC-33PC-ND	1
U13	DS1307	Digikey	DS1307-ND	1
V1 - V6	Nixie		NH-14	6
X1	12Mhz	Mouser	520-HCU1200-32	1
X2	32.768khz	Digikey	SE3201-ND	1
HS	Heat Sink	Digikey	HS105-ND	2
SOK-1	8 Pin Dip Socket	Mouser	575-199308	2
SOK-2	14 Pin Dip Socket	Mouser	575-199314	3
SOK-3	16 Pin Dip Socket	Mouser	575-199316	7
SOK-4	40 Pin Dip Socket	Mouser	575-199640	1
J1,J2	16 pin Header	Digikey	929834-07-36-ND	2
J1A, J2A	16 pin Socket	Digikey	S4308-ND	2

J3	2 Pos Connector	Digikey	ED2598-ND	1
J4	3 pin Connextor	Digikey	WM6436-ND	1
J5	4 pin Connector	Digikey	WM6436-ND	1
J6- J9	4 pin RA Connextor	Digikey	WM7180-ND	4
SCRW1	6-32 X 1/4			2
NUT	6-32			2
LCK	6-32			2
STND	1.125	Digikey	4807K-ND	3
STND	.5	Digikey	4802K-ND	4
SCRW2	4-40 X 1/4			4