

Movement MX3 Bill Of Materials - 07/25/2018				
<b>Clock Parts - Digikey</b>				
Qty	Unit Price	Ext Price	Description	DigikeyPart Number
3	0.02880	\$0.09	Vishay RES SMD 147 OHM 1% 1/8W 0805	<a href="#">541-147CCT-ND</a>
2	0.16200	\$0.32	Vishay RES SMD 470 OHM 1% 1/8W 0805	<a href="#">541-470CCT-ND</a>
13	0.00970	\$0.13	Samsung CAP CER 0.1UF 50V X7R 0805	<a href="#">1276-1003-1-ND</a>
1	0.51200	\$0.51	Bourns FIXED IND 100UH 1A 400 MOHM SMD	<a href="#">SRN8040-101MCT-ND</a>
2	1.89800	\$3.80	Nichicon CAP ALUM 1000UF 20% 25V SMD	<a href="#">493-6377-1-ND</a>
1	0.02090	\$0.02	Samsung CAP CER 100PF 50V NP0 0805	<a href="#">1276-1014-1-ND</a>
1	0.38840	\$0.39	Nichicon CAP ALUM 100UF 20% 35V SMD	<a href="#">493-6186-1-ND</a>
1	2.16000	\$2.16	Bourns FIXED IND 100UH 4.6A 53 MOHM Through Hole	<a href="#">M8921-ND</a>
3	0.01620	\$0.05	Vishay RES SMD 10K OHM 1% 1/8W 0805	<a href="#">541-10.0KCCT-ND</a>
6	0.21440	\$1.29	Panasonic CAP ALUM 10UF 20% 10V SMD	<a href="#">PCE4288CT-ND</a>
1	0.01520	\$0.02	Vishay RES SMD 13.7K OHM 1% 1/8W 0805	<a href="#">541-13.7KCCT-ND</a>
1	0.29600	\$0.30	Abrakon 14VDC VARISTOR 19V 10A 0603	<a href="#">535-12880-1-ND</a>
2	0.01620	\$0.03	Vishay RES SMD 1K OHM 1% 1/8W 0805	<a href="#">541-1.00KCCT-ND</a>
2	0.04680	\$0.09	Samsung CAP CER 2200PF 50V NP0 0805	<a href="#">1276-6492-1-ND</a>
5	0.05360	\$0.27	Samsung CAP CER 2.2UF 25V X5R 0805	<a href="#">1276-1763-1-ND</a>
1	2.31000	\$2.31	On Semiconductor IC REG MULT CONFIG INV 3.3V D2PAK	<a href="#">LM2575D2T-3.3R4GOSCT-ND</a>
1	0.33000	\$0.33	Diodes Inc DIODE SCHOTTKY 40V 1A SOD123	<a href="#">1N5819HW-FDICT-ND</a>
1	0.29000	\$0.29	Diodes Inc DIODE SCHOTTKY 40V 3A SMC	<a href="#">B340-FDICT-ND</a>
3	0.03400	\$0.10	Samsung CAP CER 47PF 50V NP0 0805	<a href="#">1276-1156-1-ND</a>
1	0.01620	\$0.02	Vishay RES SMD 5.23K OHM 1% 1/8W 0805	<a href="#">541-5.23KCCT-ND</a>
1	2.38000	\$2.38	On Semiconductor IC REG MULT CONFIG INV 5V D2PAK	<a href="#">LM2576D2TR4-5GOSCT-ND</a>
1	0.12800	\$0.13	On Semiconductor MOSFET N-CH 60V 0.115A SOT-23	<a href="#">2N7002LT1GOSCT-ND</a>
1	0.39700	\$0.40	STM IC OPAMP GP 1.3MHZ RRO 8MINISO	<a href="#">497-13055-1-ND</a>
1	5.40200	\$5.40	TI - Burr Brown IC DAC 16/24/32BIT AUDIO 28TSSOP	<a href="#">296-35527-1-ND</a>
1	0.11900	\$0.12	Main PCB IRD Header CONN HEADER VERT 3POS .100 TIN	<a href="#">A19470-ND</a>
1	0.45000	\$0.45	Main PCB Rpi Header CONN HEADER VERT 40POS GOLD	<a href="#">ED10529-ND</a>
1	0.20000	\$0.20	Main PCB Button Header CONN HEADER VERT 6POS .100 TIN	<a href="#">A19433-ND</a>
1	0.94500	\$0.95	Main PCB CLS-D Amp Header CONN HEADER FEMALE 14POS.1" TIN	<a href="#">S7012-ND</a>
1	1.38400	\$1.38	12VDC Power Jack CONN PWR JACK DC 2.0X5.5 8A T/H	<a href="#">CP-063AH-ND</a>
1	1.26900	\$1.27	Aux Input Jack CONN JACK STEREO 3.5MM R/A	<a href="#">CP1-3535N-ND</a>
3	0.54600	\$1.64	2 post Terminal Block CONN TERM BLOCK 2.54MM 2POS PCB	<a href="#">ED10561-ND</a>
1	0.69400	\$0.69	Audio Terminal Block 3 post CONN TERM BLOCK 2.54MM 3POS PCB	<a href="#">ED10562-ND</a>
1	0.49500	\$0.50	Level Shifter 3V3 - 5V0 IC BUS TRANSCVR TRI-ST SOT23-6	<a href="#">296-16843-1-ND</a>
1	0.38700	\$0.39	TI Analog Switch IC SWITCH QUAD 1X1 14SOIC	
Sub Total		\$28.39		
<b>Clock Parts - Amazon</b>				
Qty	Unit Price	Ext Price	Description	
1	\$17.99	\$17.99	BINZET AC 100-240V to DC 12V 10A Converter Adapter 120W High Power supply LED Driver Transformer 10A 120W Adapter with 3-Prong Plug 12 Volt 10 Amp for	
4	\$0.41	\$1.65	\$4.13 - 10pcs Momentary Tact Tactile Push Button Switch 12x12x12mm 4 Pin w Cap	
1	\$12.99	\$12.99	\$12.99 for SanDisk Ultra 32GB UHS-I/Class 10 Micro SDHC Memory Card With Adapter- SDSDQUAN-032G-G4A [Old Version]	
1	\$9.99	\$9.99	OSEPP IRDET-01 IR Detector Module Sold by: HOBBY CENTRAL or Fry's	
Sub Total		\$42.62		
<b>Clock Parts - Adafruit</b>				
Qty	Unit Price	Ext Price	Description	
1	\$39.95	\$39.95	Raspberry Pi 3 ARMv7 with 1G RAM	
1	\$29.95	\$29.95	5.0" 40-pin 800x480 TFT Display without Touchscreen PID: 1680	
1	\$24.95	\$24.95	TFP401 HDMI/DVI Decoder to 40-Pin TTL Breakout - Without Touch PID: 2218	
1	\$19.95	\$19.95	Stereo 20W Class D Audio Amplifier - MAX9744 PID: 1752	
0	\$19.95	\$0.00	LB-LinkUSB WiFi (802.11b/g/n) Module with Antenna for Raspberry Pi PID: 1030	
0	\$11.95	\$0.00	Miniature WiFi (802.11b/g/n) Module: For Raspberry Pi and more PID: 814	

Sub Total		\$114.80		
<b>Clock Parts - Parts Express</b>				
Qty	Unit Price	Ext Price	Description	
2	\$0.10	\$0.19	\$4.80 for 3/16" (22-18) Female Disconnect Crimp Terminal Red 50 Pcs.	Part # 095-270
2	\$0.08	\$0.17	\$4.20 for 1/4" (22-18) Female Disconnect Crimp Terminal Red 50 Pcs.	Part # 095-272
0	\$22.88	\$0.00	AuraSound NS3-193-8A 3" Extended Range Driver 8 Ohm	Part # 296-258
2	\$24.11	\$48.22	Tang Band W3-881SJ 3" Cast Frame Neodymium Driver	Part # 264-812
1	\$3.19	\$3.19	Wired Home SL01 Super Slim High-Speed HDMI Cable 1 ft. with Ethernet	Part # 180-686
Sub Total		\$51.77		
<b>Clock Parts - Misc</b>				
Qty	Unit Price	Ext Price	Description	
1	\$56.73	\$56.73	Main board - Bay Area Circuits - \$56.30	
1	\$6.80	\$6.80	button PCB - Bay Area Circuits - 6.80	
4	\$0.47	\$1.86	Rubber feet - Fry's - Philmore Tapered rubber foot - 12pc - \$5.59 + tax	
0	\$10.00	\$0.00	Keyboard - \$10 from Amazon with free shipping	
1	\$77.00	\$77.00	Plastic Enclosure - www.toolless.com	
Sub Total		\$142.39		
Total Parts		\$379.98		