Klondike 16 - ASIC Miner Board

Pricing was checked online but is a guide only and may not be accurate at the time of viewing.

Availan ASIC chip	Part#	Description	Product #	MFR.	Value	Package	QTY	Qty 1	Qty 25	Qty 100	Dist.
17	СВ				10cm x 10cm						
Allennies - USB Moto Controller PICLISE - 1469-MIL Microchip OFF-207 0 1.660 1.520 1.380 Microchip Microchip Microchip OFF-207 1.274, 56 Microchip 1.274, 57 Microchip 1											
13.94 1.27, 18.0 Busc Step Down Regulator 13.93 1.27, 18.0 Busc Step Down Regulator 13.93 1.27, 18.0 Busc Step Down Regulator 13.93 1.27, 19.0 Busc Step Down Regulator 12.92 1.27, 19.0 Busc Down Regulator 1.27, 19.0 Busc Down Regul											Microchip
20							-				Microchip
22,225		1.2V, 16A Buck Step Down Regulator	IR3895	Intl. Rect.	16A			3.600			Mouser
22 23	20	3.3V, 1A Buck Step Down Regulator	MCP16321T-330E/NG	Microchip	1A	VQFN-16		1.550	1.290	1.180	Microchip
Dual NOR Gate	21,U25	Dual Schmitt Trigger Inverter	NL27WZ14DFT2G	On Semi.		SOT-363	2	0.440	0.260	0.208	Mouser
Oscillator	22,U23	1.2V, 600mA LDO Regulator	AP7217D-12YG-13	Diodes Inc.	1.2V, 600mA	SOT-89-3L	2	0.490	0.360	0.309	Digikey
1	24	Dual NOR Gate	74AUP2G02DC	NXP		SOT-765-1	1	0.210	0.197	0.186	Mouser
1				Abracon	32MHz		1	1.690	1.430	1.010	
Per											
Care ED (Power) Chapter Chap											
Schottky Diode, Low VT SL02 (SSBS Vishay 1A, 30V DO-219AB 1 0.220 0.190 0.170 Mouser Committee C		* *		,							
Power Inductor, Law DCR, 18A 38L361C Murata 1.9 Power Inductor, Law DCR, 18A 38L361C Murata 1.9 Power Inductor Frinte Bead Choke ILBB00058F8000V Vishay 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	D2 D3	, ,		,							
Power Inductor	13	Schouky Diode, Low VI	3L02-G306	Visitay	1A, 30V	DO-219AB	1	0.220	0.190	0.170	Mousei
1-19 Ferrite Bead Choke LBB0GG3EF600V Vishay 60 ohm, 25% 6063 16 0.110 0.036 0.029 Mouser 1.02673 1.027	_1-2	Power Inductor, Low DCR, 18A	38L361C	Murata	0.360uH	10x10	2	1.620	1.290	1.140	Mouser
19,C273	_3	Power Inductor	MLP2016S4R7M	TDK	4.7uH	0806	1	0.290	0.273	0.236	Mouser
48-(223-7C-41,C42	4-19	Ferrite Bead Choke	ILBB0603ER600V	Vishay	60 ohm, 25%	0603	16	0.110	0.036	0.029	Mouser
48-(223-7C-41,C42	10 C272	Electrolytic Capacitor	LIM/T1\/221MANII 100	Nichicon	220	10v10	2	0.165	0.133	0.133	FC
9-11.C28-30.C267,C276 Reference Capacitor GRM18SEGLE106KA731, Murata 10.0F 663 2 0.250 0.034 0.024 Mousser 16.C35 Ceramic Capacitor VJ0603Y323KACVURIC VIshay 3300pF 0603 2 0.060 0.060 0.040 0.032 Mousser 12-15.C31-34 Ceramic Capacitor VJ0603Y323KACVURIC VIshay 3300pF 0603 2 0.060 0.060 0.040 0.032 Mousser 12-15.C31-34 Ceramic Capacitor C2216X750J476M TDK 270pF 0603 2 0.060 0.040 0.032 Mousser 12-15.C31-34 Ceramic Capacitor C3216X750J476M TDK 470F 1206 8 0.470 0.330 0.300 0.300 Mousser 12-15.C31-34 Ceramic Capacitor C3216X750J476M TDK 2.0F 0603 2 0.090 0.061 0.055 Mousser 12-15.C30 Ceramic Capacitor GRM18SR12E105KA01J Murata 10nF 0603 2 0.090 0.061 0.055 Mousser 12-15.C30 Ceramic Capacitor GRM18SR12E105KA01J Murata 10nF 0603 2 0.110 0.045 0.032 Mousser 12-15.C30 Ceramic Capacitor VJ0603Y223KACVURIC VIshay 22nF 0603 1 0.090 0.001 0.007 0.018 Mousser 12-15.C30 Ceramic Capacitor VJ0603Y223KACVURIC VIshay 22nF 0603 1 0.090 0.001 0.00											
S.C.22 Reference Capacitor GRMI88SC1H101JA01D Murata 1.00pF 0603 2 0.250 0.034 0.024 Mouser 1.00pF 0.00pf 0.00		•									
18.C35											
18.C37											Mouser
12-15_C21-34	C16,C35	Ceramic Capacitor	VJ0603Y332KXACW1BC	Vishay	3300pF	0603	2	0.060	0.050	0.040	Mouser
Capting Capacitor Capaci	:18,C37	Ceramic Capacitor	VJ0603Y221MXJCW1BC	Vishay	220pF	0603	2	0.060	0.040	0.032	Mouser
17.C36	C12-15,C31-34	Ceramic Capacitor	C3216X7S0J476M	TDK	47uF	1206	8	0.470	0.330	0.300	Mouser
1.C20	2,C21	Ceramic Capacitor	C1608X5R1V225M	TDK	2.2uF	0603	2	0.090	0.061	0.055	Mouser
1.C20	C17.C36	Ceramic Capacitor	GRM188R71E103KA01J	Murata	10nF	0603	2	0.200	0.027	0.018	Mouser
38 Ceramic Capacitor V.00603YC23KXACM1BC Vishay 22nF 0603 1 0.080 0.060 0.050 Mouser 43-266 Ceramic Capacitor C.1060XFR01226M TDK 2UF 0603 6 0.150 0.117 0.106 Mouser 43-266 Ceramic Capacitor V.00402Y103KXXAC Vishay 0.01UF 0402 192 0.020 0.017 0.015 Mouser 274 Ceramic Capacitor V.00402Y103KXXAC Vishay 0.01UF 0402 1 0.250 0.034 0.024 Mouser 274 Ceramic Capacitor GRM1555C1E300JA01D Murata 30pF 0402 1 0.250 0.034 0.024 Mouser 30pF 0402 1 0.250 0.034 0.024 0.024 Mouser 30pF 0402 1 0.250 0.034 0.024 0.024 0.025 0.025 0.034 0.025 0.											
29,C40,C268-C271 Ceramic Capacitor C1608XFR01226M TDK 22µF 0603 6 0.150 0.117 0.106 Mouser 242-266 Ceramic Capacitor C1005XF31A474K TDK 0.47µF 0.402 192 0.020 0.017 0.015 Mouser 272,C275 Ceramic Capacitor C1005XF31A474K TDK 0.47µF 0.402 2 0.025 0.016 0.015 Mouser 274 Ceramic Capacitor CRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.024 Mouser 274 Ceramic Capacitor CRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.024 Mouser 274 Ceramic Capacitor CRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.024 Mouser 274 Ceramic Capacitor CRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.024 Mouser 274 Ceramic Capacitor CRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.024 Mouser 274 Ceramic Capacitor CRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.024 Mouser 274 Ceramic Capacitor CRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.020 0.003 Mouser CRM154710, CRM156 CRM	38										
43-266 Ceramic Capacitor C1005X751A474K TDK 0.47uF 0.402 1.92 0.020 0.017 0.015 Mouser 272 (27275 Ceramic Capacitor V100402*1038XXAC Vishay 0.01uF 0.402 2 0.025 0.016 0.015 Mouser 274 Ceramic Capacitor GRM1555C1E300JA01D Murata 30pF 0.402 1 0.250 0.034 0.024 Mouser 30pF 0.402 1 0.250 0.034 0.024 Mouser 1.78 (1.											
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RR18 Thick Film Resistor ERJ-3EKF1781V Panasonic 1.78K 1% 0603 2 0.070 0.020 0.003 Mouser Thick Film Resistor ERJ-3EKF271V Panasonic 2.87K 1% 0603 4 0.070 0.020 0.003 Mouser CRI-18C 1.87E 1.87		•									
8,R18 Thick Film Resistor ERJ-3EKF1781V Panasonic 1.78K 1% 0603 2 0.070 0.020 0.003 Mouser FRJ-3EKF1781V Panasonic 2.87K 1% 0603 4 0.070 0.020 0.003 Mouser Thick Film Resistor ERJ-3EKF2871V Panasonic 2.87K 1% 0603 4 0.070 0.020 0.003 Mouser 1,R11 Thick Film Resistor ERJ-3EKF2871V Panasonic 100 1% 0603 6 0.070 0.020 0.003 Mouser 1,R11 Thick Film Resistor ERJ-3EKF300V Panasonic 100 1% 0603 6 0.070 0.020 0.003 Mouser 3,4 R13-14 Thick Film Resistor ERJ-3EKF3922V Panasonic 39,2K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF3922V Panasonic 49,9K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF5791V Panasonic 7,5K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF5791V Panasonic 7,5K 1% 0603 2 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF2001V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 10K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 10K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 10K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 10K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 2.2K 1% 0603 5 0.070 0.020 0.003 Mouser 2,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 2,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 2,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 10K 1% 0603 1 0.070 0		•		,							
ERJ-3EKF-4021V Panasonic 4.02K 1% 0603 4 0.070 0.020 0.003 Mouser RJ-3EKF-4021V Panasonic 2.87K 1% 0603 4 0.070 0.020 0.003 Mouser RJ-3EKF-4021V Panasonic 2.87K 1% 0603 4 0.070 0.020 0.003 Mouser 1,R11 Thick Film Resistor ERJ-3EKF-100V Panasonic 100 1% 0603 6 0.070 0.020 0.003 Mouser 1,R11 Thick Film Resistor ERJ-3EKF-100V Panasonic 39.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1,R11 Thick Film Resistor ERJ-3EKF-190V Panasonic 4.09K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF-190V Panasonic 4.09K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF-190V Panasonic 4.00K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF-101V Panasonic 1.00K 1% 0603 2 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF-101V Panasonic 1.00K 1% 0603 1 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF-101V Panasonic 1.00K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF-101V Panasonic 1.00K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF-201V Panasonic 1.00K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF-201V Panasonic 1.00K 0402 16 0.070 0.020 0.003 Mouser Thick Film Resistor 1.00K 0402 16 0.070 0.020 0.003 Mouser Thick Film Resistor 1.00K 0402 16 0.070 0.020 0.003 Mouser Thick Film Resistor 1.00K 0402 16 0.070 0.020 0.003 Mouser Thick Film Resistor 1.00K 0402 16 0.070 0.020 0.003 Mouser Thick Film Resistor 1.00K 0402 16 0.070 0.020 0.003 Mouser Thick Film Resistor 1.00K 0.00K	214	Ceramic Capacitor	GRW1555C1E300JA01D	Murala	зорг	0402	1	0.250	0.034	0.024	Mousei
T,R17,R10,R20 Thick Film Resistor ERJ-3EKF2871V Panasonic 2.87K 1% 0603 4 0.070 0.020 0.003 Mouser (R)16,R16,R22,R43-44,R47 Thick Film Resistor ERJ-3EKF392V Panasonic 39.2K 1% 0603 2 0.070 0.020 0.003 Mouser 3-4,R13-14 Thick Film Resistor ERJ-3EKF4992V Panasonic 39.2K 1% 0603 2 0.070 0.020 0.003 Mouser Thick Film Resistor ERJ-3EKF4992V Panasonic 49.9K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF4992V Panasonic 49.9K 1% 0603 2 0.070 0.020 0.003 Mouser 21 Thick Film Resistor ERJ-3EKF5002V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1002V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF201V Panasonic 1K 1% 0603 1 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 1K 1% 0603 2 0.070 0.020 0.003 Mouser 26-41 Thick Film Resistor ERJ-3EKF201V Panasonic 10K 0603 2 0.070 0.020 0.003 Mouser 26-41 Thick Film Resistor ERJ-3EKF200X Panasonic 10K 0402 16 0.070 0.020 0.003 Mouser Thermistor NCP15XW222J03RC Murata 2.2K 5% 0402 1 0.270 0.127 0.085 Mouser 10 Mouser 10 Mouser 10 Mouser 10 Mouser 10 Mouse 10 Mouser 10 Mou	88,R18	Thick Film Resistor	ERJ-3EKF1781V	Panasonic	1.78K 1%	0603	2	0.070	0.020	0.003	Mouser
F.R.16,R22,R43-44,R47	R5,R9,R15,R19	Thick Film Resistor	ERJ-3EKF4021V	Panasonic	4.02K 1%	0603	4	0.070	0.020	0.003	Mouser
6,R16,R22,R43-44,R47 Thick Film Resistor ERJ-3EKF1000V Panasonic 100 1% 0603 6 0.070 0.020 0.003 Mouser 1,R11 Thick Film Resistor ERJ-3EKF3922V Panasonic 39.2K 1% 0603 2 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF4992V Panasonic 7.5K 1% 0603 4 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF4002V Panasonic 7.5K 1% 0603 2 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 1 K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 1 K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor ERJ-3EKF201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 1 Thick Film Resistor 1 Thick Film Resisto	R7,R17,R10,R20	Thick Film Resistor	ERJ-3EKF2871V	Panasonic	2.87K 1%	0603	4	0.070	0.020	0.003	Mouser
-3-4,R13-14 Thick Film Resistor ERJ-3EKF4992V Panasonic 49.9K 1% 0603 4 0.070 0.020 0.003 Mouser 2,R12 Thick Film Resistor ERJ-3EKF4002V Panasonic 10K 1% 0603 2 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1002V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 1K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 2.2K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF2001V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF1003X Panasonic 100K 0402 16 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-2RKF1003X Panasonic 100K 0402 16 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-2RKF1003X Panasonic 100K 0402 1 0.270 0.127 0.085 Mouser 3 0.070 0.020 0.003 Mouser 2.2K 1% 0.000 0.00	86,R16,R22,R43-44,R47	Thick Film Resistor	ERJ-3EKF1000V	Panasonic	100 1%	0603	6	0.070	0.020	0.003	Mouser
2,R12 Thick Film Resistor ERJ-3EKF1001V Panasonic 7.5K 1% 0603 2 0.070 0.020 0.003 Mouser Thick Film Resistor ERJ-3EKF1001V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 1K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF1001V Panasonic 1K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF1001V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 26-41 Thick Film Resistor ERJ-2RKF1003X Panasonic 100K 0402 16 0.070 0.020 0.003 Mouser Thermistor NCP15XW222J03RC Murata 2.2K 5% 0402 1 0.270 0.127 0.085 Mouser Power Connector, MiniFitJr, PCIe 45718-0002 Molex 6pin, 4.2mm Thru-Hole 1 0.960 0.800 0.737 Mouser Alternate: Right Angle MiniFirJr, PCIe 45558-0003 Molex 6pin, 4.2mm Thru-Hole 0 0.850 0.770 0.612 Mouser Alternate: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 0.390 Mouser Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN 10TAL PER BOARD 348 48.63 32.83 25.75	R1,R11	Thick Film Resistor	ERJ-3EKF3922V	Panasonic	39.2K 1%	0603	2	0.070	0.020	0.003	Mouser
2,R12 Thick Film Resistor ERJ-3EKF1001V Panasonic 7.5K 1% 0603 2 0.070 0.020 0.003 Mouser Thick Film Resistor ERJ-3EKF1001V Panasonic 10K 1% 0603 1 0.070 0.020 0.003 Mouser 23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 1K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF1001V Panasonic 1K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF1001V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 26-41 Thick Film Resistor ERJ-2RKF1003X Panasonic 100K 0402 16 0.070 0.020 0.003 Mouser Thermistor NCP15XW222J03RC Murata 2.2K 5% 0402 1 0.270 0.127 0.085 Mouser Power Connector, MiniFitJr, PCIe 45718-0002 Molex 6pin, 4.2mm Thru-Hole 1 0.960 0.800 0.737 Mouser Alternate: Right Angle MiniFirJr, PCIe 45558-0003 Molex 6pin, 4.2mm Thru-Hole 0 0.850 0.770 0.612 Mouser Alternate: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 0.390 Mouser Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN 10TAL PER BOARD 348 48.63 32.83 25.75	3-4,R13-14	Thick Film Resistor	ERJ-3EKF4992V	Panasonic	49.9K 1%	0603	4	0.070	0.020	0.003	Mouser
23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 1K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF2201V Panasonic 1.00K 0402 16 0.070 0.020 0.003 Mouser 1.00K 0402 1.0.270 0.020 0.003 Mouser 1.00K 0402 0.00K 0402 1.0.270 0.020 0.003 Mouser 1.00K 0402 0.00K 0402 1.0.270 0.020 0.003 Mouser 1.00K 0402 0.00K 0402	R2,R12	Thick Film Resistor	ERJ-3EKF7501V	Panasonic	7.5K 1%	0603	2	0.070	0.020	0.003	Mouser
23,R42,R45,R46,R48 Thick Film Resistor ERJ-3EKF1001V Panasonic 1K 1% 0603 5 0.070 0.020 0.003 Mouser 24,R25 Thick Film Resistor ERJ-3EKF2201V Panasonic 1.00K 0402 16 0.070 0.020 0.003 Mouser 1.00K 0402 1.0.270 0.020 0.003 Mouser 1.00K 0402 0.00K 0402 1.0.270 0.020 0.003 Mouser 1.00K 0402 0.00K 0402 1.0.270 0.020 0.003 Mouser 1.00K 0402 0.00K 0402	21						1				
24,R25 Thick Film Resistor ERJ-3EKF2201V Panasonic 2.2K 1% 0603 2 0.070 0.020 0.003 Mouser 26-41 Thick Film Resistor ERJ-2RKF1003X Panasonic 100K 0402 16 0.070 0.020 0.003 Mouser T Thermistor NCP15XW222J03RC Murata 2.2K 5% 0402 1 0.270 0.127 0.085 Mouser Power Connector, MiniFitJr, PCIe 45718-0002 Molex 6pin, 4.2mm Thru-Hole 1 0.960 0.800 0.737 Mouser Alternate: Right Angle MiniFirJr, PCIe 45558-0003 Molex 6pin, 4.2mm Thru-Hole 0 0.850 0.770 0.612 Mouser Alternate: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 Mouser Nin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN 1014L PER BOARD 348 48.63 32.83 25.75											
26-41 Thick Film Resistor RJ-2RKF1003X NCP15XW222J03RC Murata 2.2K 5% 0402 16 0.070 0.020 0.003 Mouser T Thermistor NCP15XW222J03RC Murata 2.2K 5% 0402 1 0.270 0.127 0.085 Mouser L Power Connector, MiniFitJr, PCIe 45718-0002 Molex 6pin, 4.2mm Thru-Hole 1 0.960 0.800 0.737 Mouser Alternate: Right Angle MiniFirJr, PCIe 45558-0003 Molex 6pin, 4.2mm Thru-Hole 0 0.850 0.770 0.612 Mouser Alternate: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 Mouser SMD RA 0 0.430 0.390 Mouser Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN TOTAL PER BOARD 348 48.63 32.83 25.75											
Thermistor NCP15XW222J03RC Murata 2.2K 5% 0402 1 0.270 0.127 0.085 Mouser Power Connector, MiniFitJr, PCIe 45718-0002 Molex 6pin, 4.2mm Thru-Hole 1 0.960 0.800 0.737 Mouser Alternate: Right Angle MiniFirJr, PCIe 45558-0003 Molex 6pin, 4.2mm Thru-Hole 0 0.850 0.770 0.612 Mouser Alternate: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 Mouser By Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN TOTAL PER BOARD 348 48.63 32.83 25.75											
Alternate: Right Angle MiniFirJr, PCIe 45558-0003 Molex 6pin, 4.2mm Thru-Hole 0 0.850 0.770 0.612 Mouser Statement of the Alternate: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 Mouser 3,35 Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN 1701 PER BOARD 348 48.63 32.83 25.75	RT										
Alternate: Right Angle MiniFirJr, PCIe 45558-0003 Molex 6pin, 4.2mm Thru-Hole 0 0.850 0.770 0.612 Mouser Standards: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 Mouser 3,35 Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN 1014 PER BOARD 348 48.63 32.83 25.75											
Alternate: Phoenix Terminal 2 pin 1814634 or 1771091 Phoenix 6A, 2.5mm SMD RA 0 0.430 0.390 0.350 Mouser Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 Mouser SJD Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN TOTAL PER BOARD 348 48.63 32.83 25.75	1										
Mini USB Connector, Type B 10033526-N3212MLF FCI 5pin SMD 1 0.450 0.430 0.390 Mouser 5,35 Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN 1 Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN 1 TOTAL PER BOARD 348 48.63 32.83 25.75	1						-				
3,35 Pin Headers, SMD 4 pin Vertical 14112 4UCONN 2x2pin, 2.54mm Vertical SMD 4 0.089 0.089 0.089 4UCONN 1 Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN TOTAL PER BOARD 348 48.63 32.83 25.75	1						-				
Pin Header SMD, RA mount (FAN) 11182 4UCONN 3 pin, 2.54mm RA SMD 1 0.037 0.037 0.037 4UCONN TOTAL PER BOARD 348 48.63 32.83 25.75	2										
TOTAL PER BOARD 348 48.63 32.83 25.75	J3,J5 J4										
		PIII neader SMD, KA IIIOUIII (FAN)	11182	4UCUNN	3 pin, 2.54mm	KA SIVID	1	0.037	0.037	0.037	4UCUNN
SMD 321					TOTAL	PER BOARD	348	48.63	32.83	25.75	
						SMD	321				

 SMD
 321

 QFN
 20

 Fine-Pitch
 1

 Thru-Hole
 1

 Manual SMD
 5