

PARSEC Supergun v2.1 Parts List

	Description	Package	Digikey Part #	Price	Qty. Price 10
<b>PCB</b>	PARSEC v2.1 PCB				
	56 pin JAMMA Connector 3.96mm pitch			\$4.85	\$2.0900
	24 pin ATX Power Connector			\$1.28	\$1.2800
	PCB Mounting Feet (4)			\$0.44	\$0.4400
<b>REG</b>	-5v DC-DC Converter		296-20501-ND	\$13.84	\$13.6340
<b>T1</b>	1:1 Audio Isolation Transformer		237-1121-ND	\$5.68	\$4.3180
<b>T2</b>	1:1 Audio Isolation Transformer		237-1121-ND	\$5.68	\$4.3180
<b>CN1</b>	15 pin D Sub Connector Male		AE10976-ND	\$1.10	\$0.9640
<b>CN2</b>	15 pin D Sub Connector Male		AE10976-ND	\$1.10	\$0.9640
<b>CN4</b>	8 pin Mini-DIN connector		CP-2280-ND	\$2.62	\$2.3850
<b>CN5</b>	4 pin Mini-DIN connector		CP-2240-ND	\$1.97	\$1.7890
<b>CN6</b>	Yellow RCA Jack		CP-1421-ND	\$1.43	\$1.2700
<b>CN7</b>	Stereo 1/8" Headphone		CP1-3555NG-ND	\$0.95	\$0.8380
<b>CN9</b>	6p JST 2.5mm Kick Harness Header		455-2271-ND	\$0.27	\$0.2580
<b>CN10*</b>	5p JST 2.5mm Coin Door Header		455-2270-ND	\$0.25	\$0.2370
<b>CN11</b>	12p Header Receptacle		S7109-ND	\$0.82	\$0.7180
<b>CN12</b>	4p Header Receptacle		S7105-ND	\$0.58	\$0.5480
<b>SW1</b>	DPST Pushbutton Switch		401-1132-ND	\$1.39	\$1.2940
	Cap for Switch		401-1148-ND	\$0.45	\$0.4290
<b>SW2</b>	DPDT Slide Switch 1A		563-1565-ND	\$1.12	\$1.0720
<b>SW3</b>	DPDT Slide Switch 200mA		EG1940-ND	\$0.77	\$0.7420
<b>SW4</b>	DPDT Micro Slide Switch		401-2001-ND	\$0.45	\$0.4410
<b>SW5</b>	DIP Switch 6 position		CT2066-ND	\$0.90	\$0.8790
<b>SW6</b>	Tact Switch		450-1650-ND	\$0.10	\$0.0960
<b>SW7</b>	Tact Switch		450-1650-ND	\$0.10	\$0.0960
<b>SW8</b>	Tact Switch		450-1650-ND	\$0.10	\$0.0960
<b>SW9</b>	Tact Switch		450-1650-ND	\$0.10	\$0.0960
<b>LED1 red</b>		0805	160-1415-1-ND	\$0.36	\$0.2580
<b>LED2 green</b>		0805	160-1426-1-ND	\$0.31	\$0.2290
<b>LED3 blue</b>		0805	732-4982-1-ND	\$0.18	\$0.1722
<b>U1</b>	BH7236AF	24-SOIC	BH7236AF-E2TR-ND	\$2.91	\$2.9120
<b>U2</b>	EL1883	8-SOIC	EL1883ISZ-ND	\$3.07	\$2.7610
<b>U3</b>	THS7316	8-SOIC	296-26684-1-ND	\$0.90	\$0.8020
<b>X1</b>	3.579545 MHz		XC235-ND	\$2.47	\$2.4150
<b>L1</b>	68uH	0805	587-2450-1-ND	\$0.18	\$0.1600
<b>C1</b>	27p	0805	399-8056-1-ND	\$0.14	\$0.1030
<b>C2</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C3</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C4</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C5</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C6</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C7</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C8</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C9</b>	0.1uF	0805	311-1361-1-ND	\$0.16	\$0.0543
<b>C10</b>	10uf	1206	1276-6641-1-ND	\$0.26	\$0.1750
<b>C11</b>	0.47uF	4mm dia	732-8269-1-ND	\$0.19	\$0.1646
<b>C12</b>	10uF	5mm dia	493-2108-1-ND	\$0.35	\$0.2380
<b>C13</b>	10uF	5mm dia	493-2108-1-ND	\$0.35	\$0.2380
<b>C14</b>	47uF	5mm dia	732-8416-1-ND	\$0.20	\$0.1720

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<b>C15</b>	100uF	6.3mm dia	493-2105-1-ND	\$0.30	\$0.2100
<b>C16</b>	100uF	6.3mm dia	493-2105-1-ND	\$0.30	\$0.2100
<b>C17</b>	220uF	8mm dia	493-2090-1-ND	\$0.34	\$0.2350
<b>C18</b>	220uF	8mm dia	493-2090-1-ND	\$0.34	\$0.2350
<b>R1</b>	47 ohm	0805	RPC0805JT47R0CT-ND	\$0.20	\$0.1730
<b>R2</b>	47 ohm	0805	RPC0805JT47R0CT-ND	\$0.20	\$0.1730
<b>R3</b>	75 ohm	0805	RNCP0805FTD75R0CT-ND	\$0.10	\$0.0370
<b>R4</b>	75 ohm	0805	RNCP0805FTD75R0CT-ND	\$0.10	\$0.0370
<b>R5</b>	75 ohm	0805	RNCP0805FTD75R0CT-ND	\$0.10	\$0.0370
<b>R6</b>	75 ohm	0805	RNCP0805FTD75R0CT-ND	\$0.10	\$0.0370
<b>R7</b>	75 ohm	0805	RNCP0805FTD75R0CT-ND	\$0.10	\$0.0370
<b>R8</b>	75 ohm	0805	RNCP0805FTD75R0CT-ND	\$0.10	\$0.0370
<b>R9</b>	150 ohm	0805	RNCP0805FTD150R0CT-ND	\$0.10	\$0.0720
<b>R10</b>	150 ohm	0805	RNCP0805FTD150R0CT-ND	\$0.10	\$0.0720
<b>R11</b>	511 ohm	0805	RNCP0805FTD511R0CT-ND	\$0.25	\$0.2110
<b>R12</b>	392 ohm	0805	RNCP0805FTD392R0CT-ND	\$0.10	\$0.0370
<b>R13</b>	392 ohm	0805	RNCP0805FTD392R0CT-ND	\$0.10	\$0.0370
<b>R14</b>	392 ohm	0805	RNCP0805FTD392R0CT-ND	\$0.10	\$0.0370
<b>R15</b>	392 ohm	0805	RNCP0805FTD392R0CT-ND	\$0.10	\$0.0370
<b>R16</b>	392 ohm	0805	RNCP0805FTD392R0CT-ND	\$0.10	\$0.0370
<b>R17</b>	392 ohm	0805	RNCP0805FTD392R0CT-ND	\$0.10	\$0.0370
<b>R18</b>	453 ohm	0805	P20979CT-ND	\$0.10	\$0.0720
<b>R19</b>	1k	0805	RNCP0805FTD1K00CT-ND	\$0.10	\$0.0720
<b>R20</b>	1k	0805	RNCP0805FTD1K00CT-ND	\$0.10	\$0.0720
<b>R21</b>	1k	0805	RNCP0805FTD1K00CT-ND	\$0.10	\$0.0720
<b>R22</b>	1k	0805	RNCP0805FTD1K00CT-ND	\$0.10	\$0.0720
<b>R23</b>	28.7k	0805	P21183CT-ND	\$0.25	\$0.2110
<b>R24</b>	681k	0805	P21343CT-ND	\$0.25	\$0.2110
<b>R25</b>	1k potentiometer		3362P-102LF-ND	\$1.02	\$0.9000
<b>R26</b>	1k potentiometer		3362P-102LF-ND	\$1.02	\$0.9000
<b>R27</b>	1k potentiometer		3362P-102LF-ND	\$1.02	\$0.9000
<b>Total</b>				\$63.97	\$54.1282
<b>PCB2</b>	Extended Video HAT PCB				
<b>CN13</b>	VGA connector		609-5180-ND	\$1.30	\$1.1470
<b>SW10</b>	DPDT Micro Slide Switch		401-2001-ND	\$0.45	\$0.4410
	2 Row 80p Breakaway Header Pins		S2211EC-40-ND	\$1.51	\$1.3470
	Viletim Component Video PCB			\$19.95	\$19.9500
<b>CN14</b>	Red RCA		CP-1419-ND	\$1.43	\$1.2700
<b>CN15</b>	Green RCA		CP-1423-ND	\$1.36	\$1.1990
<b>CN16</b>	Blue RCA		CP-1422-ND	\$1.36	\$1.1990
<b>CN17</b>	Stereo 1/8" Headphone		CP1-3555NG-ND	\$0.95	\$0.8380
	Mounting Hardware				
<b>HAT Total</b>				\$28.31	\$27.3910
<b>PCB3</b>	Kick harness connection board PCB				
	6p JST 2.5mm Kick Harness Header R.A.		455-2236-ND	\$0.39	\$0.3680
	6p JST connector housing (2)		455-2218-ND	\$0.28	\$0.2560
	22 GA Jumper Lead (6)		455-3240-ND	\$4.56	\$4.2780