Kit	qty	Description	Notes	Manufacturer	Part	Digikey	Reference
1 1x16 right angle 0.1" male header pins	1	Use any common 0.1" header pins	expansion header (16 as of SD V2)				
2 2x8 Dual Row right angle 0.1" male header pins	1	Use any common dual row right angle 0.1" header pins	matrix data				
3 1x14 short single row 0.1" male Header pins	2	Use any common 0.1" header pins	teensy (permanent solder)				http://www.4uconnector.com/online/object/4udrawing/17168.pdf
4 1x5 short single row 0.1" male Header pins	1	Use any common 0.1" header pins	teensy end (permanent solder)				http://www.4uconnector.com/online/object/4udrawing/17168.pdf
5 1x5 right angle 0.1" male header pins	1	Use any common low profile 0.1" right-angle header pins	ADC and power				
6 2x3 dual row right angle 0.1" male header pins	1	Use any common dual row right angle 0.1" header pins	ADC dual row				
7 1x24 single row 0.1" male header pins	1	Use any common 0.1" header pins	straight expansion pins (16+2x3+2)				
8 Power Jack 2.0mm low profile TH minimum 4.0A	1			CUI	PJ-051AH	CP-051AH-ND	http://www.cui.com/product/resource/digikeypdf/pj-051ah.pdf
9 4-pin 0.156" right-angle header	1			TE Connectivity	647676-4	A114290-ND	
10 5.0mm 2-pin Terminal Block	1			TE Connectivity	282836-2	A98076-ND	
11 throughhole resistor 4k7 carbon film 5% 1/4W axial	3	Use any common 4.7k resistor	I2C and OE pullup				
12 1N4001 Throughhole Diode (DO41)	1	Use any common 1N4001 diode					
13 Female 2x10 receptacle 0.1" Vertical	1			Sullins	PPPC102LFBN-RC	S6106-ND	
14 2x8 dual row straight 0.1" male header pins	1	Can substitute any common doublerow 0.1" header pins	Use any common dual row right angle 0.1" header pins				http://www.4uconnector.com/online/object/4udrawing/00989.pdf
15 M3 5mm motherboard screw	2	Common screws for computer optical drive mounting	mounting or power cable screws				

PCBA							
1 Micro SD Card Reader	1			Hirose	DM3D-SF	HR1941CT-ND	
2 SN74AHCT245PWR	2			TI	SN74AHCT245PWR	296-1118-1-ND	
3 CAP CER 0.1UF 10V 10% X7R 0603	2			Any			