



Parallax GPS Receiver Module

Bill-of-Materials

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Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	1	C1	Kemet	C0603C104K4RACTU	Digi-Key	399-1096-1-ND	0.1uF bypass capacitor, 16V, X7R, 0603
2	1	JP1	Molex	22-03-2041	Digi-Key	WM4002-ND	Single row, vertical header, 4 pin, 0.1" spacing, 3.3mm housing height
3	1	JP2	Molex	53261-0671	Digi-Key	WM7624CT-ND	Wire-to-board connector, 6 position R/A, 1.25mm pitch, SMD
4	3	R1,R2,R3	Panasonic	ERJ-3GEYJ472V	Digi-Key	P4.7KGCT-ND	4.7k, 5%, 1/10W, 0603
5	2	R4,R5	Panasonic	ERJ-3GEYJ221V	Digi-Key	P220GCT-ND	220 ohm, 5%, 1/10W, 0603
6	1	U1	Parallax	SX20AC/SS-G	N/A	N/A	Microcontroller, SSOP20
7	1	U2	Analog Devices	ADG849YKSZ	Digi-Key	ADG849YKSZ500RLCT-ND	CMOS SPDT analog switch, 0.5 ohm, SC70-6
8	1	Y1	Murata	CSTCS20.00MX040	Parallax	250-12060	20MHz CERALOCK resonator, SMD
9	1	GPS	Polstar Technologies	PMB-248 or PMB-648	N/A	N/A	GPS receiver module w/ integrated patch antenna
10	1	CABLE	PGF Technology Group	GRAND 2" MOLEX ASSY	N/A	N/A	Female-to-female w/ 28AWG UL1061 black wire, 2in., mates w/ JP2