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Qty Value	Device
4 8pF	CAPACITOR0402_CAP
2 47pF	CAPACITOR0402_CAP
1 10nF	CAPACITOR0402 CAP
17 100nF	CAPACITOR0402 CAP
3 4.7uF	CAPACITOR0402_CAP
1 10uF	CAPACITOR0805_CAP
1 10uF	CAPACITOR0402 CAP
1 22uF	CAPACITOR0402_CAP
	<del>_</del>
1 DIODE 2 SML-LX0404SIUPGUSB	DIODE
	SML-LX0404SIUPGUSB
1 EDISON_CONNECTOR_SEGMENTED	
	FERRITE_BEAD0402
	FERRITE_BEAD0805
1 1.5k	FERRITE_BEAD0402
1 1.5k	FERRITE_BEAD0402
1 DM3AT-SF-PEJM5	DM3AT-SF-PEJM5
2 MICRO_USB_B_HIROSE_ZX62R-B-5P	
1 MODULE_CONTROLLER	MODULE_CONTROLLER
2	PINHD-1X2
1	PINHD-2X10
1	PINHD-2X3
4 SOLDERJUMPERTRACE	SOLDERJUMPERTRACE
1	SOLDERJUMPER_2WAYPASTE2&3
2 TC2030-JLINK-L	TC2030-JLINK-L
1 U.FL-R-SMT	U.FL-R-SMT
1 0.47uH	INDUCTORDFE322512C
1 22uH	LHQ3NP
1 22uH	LHQ3NP
1 UMICH_SOLID_MEDIUM	UMICH_SOLID_MEDIUM
1 DMN32D2LDF	DMN32D2LDF
2 27	RESISTOR0402_RES
2 100	RESISTOR0402_RES
6 1k	RESISTOR0402_RES
6 10k	RESISTOR0402_RES
5 100k	RESISTOR0402_RES
2 100k	RESISTOR0402_RES
3 1M	RESISTOR0402_RES
2 DNP	RESISTOR0402_RES
1 B3U-1000P	B3U-1000P
1 PTS810SJ	PTS810SJ
3 SIP3240X	SIP3240X
1 FM25CLXXB-DG	FM25CLXXB-DG
1 FTDI234XD	FTDI234XD
1 RXM-GPS-RM-T	RXM-GPS-RM-T
2 SAM4LC8BA	SAM4LC8BA
1 SN74LVC1G125DBVR	SN74LVC1G125DBVR
1 TS3USB30E	TS3USB30E
1 TXS0108EVQFN20	TXS0108EVQFN20
=	

1 TPS62086 2 16MHz TPS62086 FH1600015

Package 0402\_CAP 0402\_CAP 0402 CAP 0402 CAP 0402 CAP 0805\_CAP 0402\_CAP 0805\_CAP 0805\_DIODE 1MM\_SQ\_4PAD EDISON\_DAUGHTER 0402\_CAP 0805\_CAP 0402\_CAP 0402\_CAP DM3AT-SF-PEJM5 USB\_MICRO\_B-HIROSE-ZX62R-B-5P MODULE\_CONTROLLER 1X02 2X10 2X03 SJ\_2S-TRACE SJ 3 PASTE2&3 TC2030-IDC U.FL SMT DFE322512C 1212 1212 UMICH\_SOLID\_200MIL SOT353 0402 RES 0402\_RES 0402\_RES 0402\_RES 0402\_RES 0402\_RES 0402\_RES 0402\_RES B3U-1000P PTS810SJ TDFN4 TDFN-8 **DFN-12/3MM** RXM-GPS-RM-T QFN-64-9MM SOT-23-5 UQFN-10

R-PVQFN-N20

RLT0007A FHXXX

```
Parts
C1, C2, C3, C4
C5, C6
C7
C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24
C25, C26, C27
C28
C29
C30
D1
D2, D3
E_1
FB1
FB2
FB3
FB4
J1
J2, J3
J4
J5, J6
J7
J8
J9, J10, J11, J12
J13
J14, J15
J16
L1
L2
L3
LOGO1
Q1
R1, R2
R3, R4
R5, R6, R7, R8, R9, R10
R11, R12, R13, R14, R15, R16
R17, R18, R19, R20, R21
R22, R23
R24, R25, R26
R27, R28
SW1
SW2
SW3, SW4, SW5
U1
U2
U3
U4, U5
U6
U7
U8
```

VR1 X1, X2

Description AMAZON

0402 Capacitor

CONN MICRO SD R/A PUSH-PUSH SMD

**USB Micro B Connector** 

Controller module for signpost

**PIN HEADER** 

**PIN HEADER** 

PIN HEADER

Solder Jumper

Solder Jumper

U.FL-R-SMT Antenna Connector

A very specific inductor

LHQ3NP Inductor

LHQ3NP Inductor

Common source dual n-channel mosfet

Resistor

Resistor

Resistor

Resistor

Resistor

Resistor

Resistor

Resistor

Switch

PTS810SJ Push Button Switch

High power (2.4 A) high-side switch

Cypress FRAM

FTDI234XD USB to UART Bridge in 3x3 DFN Package

The RM Series GPS receiver module is a

SAM4L Microcontroller. 64QFN Package. 512 Flash.

Single Bus Buffer Gate with 3-state output

USB Mux with OE control and ESD

TXS0108E 8-Bit Bi-directional Voltage Translator

Buck Switching Regulator IC Positive Fixed 3.3V 1 Output 3A 7-VFDFN Pericom Type FH 16 MHz 2.5 x 2.0 mm

**DIGIKEY** MOUSER **NEWARK** 490-8230-1-ND 490-6241-1-ND 490-6296-1-ND 490-10777-1-ND 490-13252-1-ND 490-8316-1-ND 490-13811-1-ND 490-1719-1-ND 478-7800-1-ND 67-2125-1-ND 798-DF40HC3070DS4V51 ACML-0402-301-TCT-ND 240-2390-1-ND 490-5216-1-ND 1276-6395-1-ND HR1964CT-ND H125274CT-ND S9172-ND, S9169-ND, S2221EC-04-ND, S2221EC-04-ND H122041-ND 81-1277AS-H-R47MP2 490-10596-1-ND 1276-6395-1-ND 490-5350-1-ND DMN32D2LDF-7DICT-ND 1276-3907-1-ND 1276-3429-1-ND 1276-3430-1-ND 1276-3431-1-ND 1276-3432-1-ND 1276-3429-1-ND 1276-3433-1-ND 1276-3431-1-ND SW1020CT-ND CKN10504CT-ND SIP32402ADNP-T1GE4CT-ND FM25CL64B-DGRA-ND 768-1178-1-ND 895-FT234XD-R 53X3171 RXM-GPS-RM-TCT-ND ATSAM4LC8BA-MURCT-ND 296-11603-1-nd 296-24684-1-ND 296-24806-1-ND

296-40831-1-ND FH1600015CT-ND