



## **Part List**

## Bill of Materials for Project [Secure Gateway Prototype Rev 2.PrjPcl

Source Data From: Secure Gateway Prototype Rev 2. PrjPcb

Project: Secure Gateway Prototype Rev 2. PrjPcb

Variant: None

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Designator	Comment	LibRef	Footprint	Description
BRD1	GPS NEO M9N	GPS NEO M9N	GPS NEO M9N	
BRD2	Sparkfun MPU-9250	MPU-9350 Breakout	MPU9250 Breakout	
C1, C2, C7, C9,	0.1uF	Сар	CAPR5-4X5	0.1µF ±10% 50V Ceramic Capacitor X7R
C3, C4	560pF	Сар	CAPR5-4X5	Badial 560pF ±5% 100V Cetamic Capacitor CoG,
C5, C6	220uF	Electrolytic Cap	Elec. Cap 5 x 10mm	NDO Rediel 220µF 50V Aluminum Electrolytic Capacitor Radial, Cap 175 mObm @ 10kHz 5000 Hrs
D1	Green	LED - SMD	5mm Rad LED	Radial Can 175 m Ohm @ 1044z 5000 Hrs Green 569nm LED Indication - Discrete 2.1V
D2	STPS2150	Diode 1N4003	DO-204AL	Diode Schottky 150V 2A I hrough Hole DO-
D3	Red	LED - SMD	5mm Rad LED	Red 623nm LED Indication - Discrete 2V
D4	Yellow	LED - SMD	5mm Rad LED	Yellow 588nm LED Indication - Discrete
D5	Amber	LED - SMD	5mm Rad LED	2.41/ Badial Amber 588nm LED Indication - Discrete 2.41/ Padial
J1	DTM13-12PA-R008	DTM13-12PA-R008	TE_DTM13-12PA-R008	DTM Series, 4.19mm Pitch 12 Way 2 Row Bight Angle DCB Header Solder Terminator
J3, J4	Teensy Socket	Socket		14 Position Header Connector Through Hole
P1	Header 6	Header6	HDR1X6	Header, 6-Pin
P3, P4	Teensy Pins	Socket		Connector Header I hrough Hole 14 position
R1, R2, R3, R6	470	Chip Resistor	AXIAL-0.4	3.40 Onms ±1% 0.1W, 1710W Chip Resistor
R4, R5, R9, R10	4.7k	Chip Resistor	AXIAL-0.4	4.7 KOnims ±5% 0.25%, 174W 1 hrough Hole
R15, R16	120	Chip Resistor	AXIAL-0.4	Pasidor Axial Flame Rotadant Coating
R17, R18	100	Chip Resistor	AXIAL-0.4	Pocistor Aviel Flore Deterdent Coating 100 Onms±5% 0.25W, 1/4W Through Hole Pocistor Aviel Flore Peredent Coating
SD1	503182-1852	503182-1852	MOLEX_503182-1852	MICRO SD NORMAL ULTRALOWPRO8CK
Teensy 1	Teensy 4.0	Teensy_4.0	Teensy 4.0	32 Bit Arduino-Compatible IMX
U1	OKI-78SR	7805	OKI-78SR	5V DC/DC Converter (7805 replacement)
U2	SFW8R-1STE1LF	SFW8R-1STE1LF	FCI_SFW8R-1STE1LF	8 Position FFC, FPC Connector Contacts,
U3	ATECC608A	ATECC508A	SOIC-8	Rottom 0.020 - 1.00 m. Surface Mount Authentication Chip IC Networking and
U5, U7	MCP2562	MCP2558FD	DIP-8	Microchip CANFD Transcerver with Silent