

Designator	Name	Description	Manufacturer	Manufacturer Part Number	LibRef	Footprint	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Supplier Order Qty 1
C1, C2	CL21A226MQQNNNE	CL21 Series 0805 22uF 6.3V ±20% Tolerance X5R Multilayer Ceramic Chip Capacitor			CMP-13271-000185-1	FP-CL21-IPC_A	2	Samsung	CL21A226MQQNNNE	Digi-Key	1276-1100-1-ND	2
C3, C4, C5	CL10B104KB8NNNC	Multi-layer Ceramic Capacitor, -55 to 125 degC, 2-Pin SMD (0603), RoHS, Tape and Reel	Samsung Electro- Mechanics		CMP-2000-05332-1	SAMS-C0603-2_M	3	Samsung	CL10B104KB8NNNC	Digi-Key	1276-1000-1-ND	3
J1	Notecarrier Ax 22pos Connector	Header, 22 pos. For connection to Notecarrier Ax.	4UCON	22042	HDR-NC-AX-22_4UCON	HDR-NC-AX-22_4UCON	1	4UCON	22042	4UCON	22042	
J2	Notecarrier Ax 3pos Connector	Header, 3 pos. For connection to Notecarrier Ax.	4UCON	00626	HDR-NC-AX-3_4UCON	HDR-NC-AX-3_4UCON	1	4UCON	0626	4UCON	00626	
L1	NRS4018T2R2MDGJ	2.2uH, 2.20A, SMD (4.0 x 4.0mm, 1.8 mm high)	Taiyo Yuden	NRS4018T2R2MDGJ	TAIYO_NRS4018T2R2MDGJ	COIL_4040x18	1	Taiyo	NRS4018T2R2MDGJ	Digi-Key	587-2890-1-ND	1
LED1	E6C0603VGAC1UDA	Green 520nm 800mcd @ 20mA, 1.6 x 0.8 mm	EKINGLUX	E6C0603VGAC1UDA	E6C0603VGAC1UDA	E6C0603VGAC1UDA	1	EKINGLUX	E6C0603VGAC1UDA	LCSC	E375447	50
MOD1	L86-M33	Global Navigation Satellite System Module with Patch Antenna. Quectel L86-M33			L86-M33	Quectel L86	1	Quectel Wireless Solutions	L86-M33	Digi-Key	2958-L86-M33CT-ND	
MTG1, MTG2, MTG3, MTG4	Spacer M3-8mm (OD=6.4mm)	Spacer, non- threaded. M3 ID, 6.4mm OD. L=8mm			SPACER_M3_8MM (6.40 OD)	SPACER_M3_8MM (4.75 OD)	4	Generic	M3-8mm (6.40mm OD)	Aliexpress	100500196 7561767	4
PWB	Mobile Tracker Hat	Printed Circuit Board			BOM_PWB_ID		1					
R1	10K 5% 0603(1608)	10K 0.1W 5% 0603 (1608 Metric) SMD			CMP-1012-00098-1	RESC0603(1608)_N	1	Yageo	RC0603JR-0710KL	Digi-Key	311- 10KGRCT- ND	1
R2	CRCW060334K0FKEA	Res SMD 0603 34K Ohm 1% 1/10W			CMP-00015-2	RESC1609X50X30ML10T20	1	Vishay	CRCW060334K0FKEA	LCSC	C843946	50
R3	200K 1% 0603(1608)	200K 0.1W 1% 0603 (1608 Metric) SMD			CMP-00002-1	RESC0603(1608)_L	1	Panasonic	ERJ-3EKF2003V	Digi-Key	P200KHCT- ND	1
R4	CRCW080510K0FKEC	Res SMD 0805 10K Ohm 1% 1/8W			CMP-00014-2	RESC2013X50X30NL20T20	1	Yageo	RC0805FR-0710KL	Digi-Key	311- 10.0KCRCT- ND	1
U1	MAX17225ELT+T	Switching Voltage Regulators 0.9V to 5V, 500mA Input Current Limit Ultra Low Pow		MAX17225ELT+T	CMP-00003-2	FP-L622-1C-MFG	1	Maxim	MAX17225ELT+T	Digi-Key	MAX17225E LT+TCT-ND	1