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Antenna Connector	Antenna Connector	A1	Hirose Micro Coax	Hirose Ultra	
SMD Chip Capacitor	Hirose SMD Chip Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C24, C25, C26, C27, C30, C32, C33, C34,	CAPC0603	Miniature Coax SMD Chip Capacitor	2
SMD Chip Capacitor	SMD Chip Capacitor	C35, C36, C37, C39, C40 C16, C17, C18, C19, C20, C21, C22, C23,	CAPC0402	SMD Chip Capacitor	
SMD Chip Capacitor	SMD Chip Capacitor	C38 C28, C29, C31	CAPC1206	SMD Chip Capacitor	
0603 LED	0603 LED	D1, D2, D3	0603 LED	0603 LED	
Shld 9.1A	PWR Pads XFL4020-152MEC Fixed Inductors 1.5Uh ShId 9.1A	<u>J1</u> L1	PWR Pads XFL4020-152MEC	PWR Pads XFL4020-152MEC	
15.8mOhms AECQ2 1206 Ferrite Bead	15.8mOhms AECQ2 1206 Ferrite Bead	L2	INDC3216X13N	1206 Ferrite Bead	
UMT3904 NPN General Purpose Transistor	UMT3904 NPN General Purpose Transistor	Q1	SOT65P210X100-3N	UMT3904 NPN General Purpose Transistor	
MGSF1N02LT1G MOSFET N-CH 20V 750MA SOT23	MGSF1N02LT1G MOSFET N-CH 20V 750MA SOT23	Q2, Q3	MGSF1N02LT1G SOT95P237X111-3N	MGSF1N02LT1G MOSFET N-CH 20V 750MA SOT23	
SMD Chip Resistor	SMD Chip Resistor	R1, R2, R4, R5, R7, R8, R9, R12, R13, R14, R15, R16, R17, R18	RESC0603	SMD Chip Resistor	1
SMD Chip Resistor	SMD Chip Resistor	R3, R6	RESC1206	SMD Chip Resistor	
SMD Chip Resistor	SMD Chip Resistor	R10, R11	RESCO805	SMD Chip Resistor	
SMD Chip Resistor CONN RP-SMA JACK RA 50 OHM PCB	SMD Chip Resistor	R19, R20, R21, R22 SMA1	RESC0402 CONN RP-SMA JACK RA 50 OHM PCB	SMD Chip Resistor CONN RP-SMA JACK RA 50 OHM PCB	
RF 1 in by 0.5 in 22 pin 0.1 in pitch castellated board	RF 1 in by 0.5 in 22 pin 0.1 in pitch castellated board	T1	RF 1 in by 0.5 in 22 pin 0.1 in pitch castellated board	RF 1 in by 0.5 in 22 pin 0.1 in pitch castellated board	
in pitch castellated board	1 in square 36 pin 0.1 in pitch castellated board	T2	1 in square 36 pin 0.1 in pitch castellated board	1 in square 36 pin 0.1 in pitch castellated board	
	Test Point - Probe 50	TP1, TP2, TP3, TP4,	Test Point - Probe 50	Test Point - Probe 50	
mil Round OpenMV CAM Plus EVA-M8 RF RCVR	mil Round OpenMV CAM Plus EVA-M8 RF RCVR	TP5, TP6 U1	mil Round OpenMV CAM Plus	mil Round OpenMV CAM Plus	
GNSS/GPS 1.575GHZ 43LGA	GNSS/GPS 1.575GHZ 43LGA	U2	EVA-M8	EVA-M8	
TPS22908YZTR	TPS22908YZTR	U3, U6, U7	BGA4C50P2X2_89X89 X50	TPS22908YZTR	
LTC2990 IC TEMP/VOLT/CUR MONITOR 10MSOP	LTC2990 IC TEMP/VOLT/CUR MONITOR 10MSOP	U4	TSSOP50P490X110- 10N	LTC2990	
PMIC BQ24074	PMIC BQ24074	U5	BQ24074	BQ24074	
TMP100 Temp Sensor	TMP100 Temp Sensor	U8, U11	TMP100	TMP100 Temp Sensor	
BME280 SENSOR PRESSURE HUMIDITY TEMP	BME280 SENSOR PRESSURE HUMIDITY TEMP	U9	BME280	BME280	
Ambient Light Sensor	Ambient Light Sensor I2C	U10	LTR-329ALS-01	LTR-329ALS-01	
BMX160 IMU ACCEL/GYRO/MAG	BMX160 IMU ACCEL/GYRO/MAG	U12	BMX160	BMX160 IMU ACCEL/GYRO/MAG	
PCF8574RGTR I/O Expander 8 I²C 100kHz 16-QFN (3x3)	PCF8574RGTR I/O Expander 8 I ² C 100kHz 16-QFN (3x3)	U13	QFN50P300X300X100 _HS-17N	PCF8574RGTR	
DRV8830DRCR	DRV8830DRCR Bipolar Motor Driver Power MOSFET I ² C 10- VSON (3x3)	U14, U15	SON50P300X100_HS- 11N	DRV8830DRCR	
TPS22930AYZVR	TPS22930AYZVR Power Switch/Driver 1:1 P-Channel 2A 4- DSBGA (0.88x0.88)	U16	BGA4C50P2X2_89X89 X54	TPS22930AYZVR	
TCA4311A	TCA4311A IC REDRIVER I2C HOTSWAP 8VSSOP	U17, U18	TSOP65P490X110-8N	TCA4311A	
	TPS63021 Buck-Boost Switching Regulator IC Positive Fixed 3.3V 1 Output 3.5A (Switch) 14-VFDFN Exposed Pad	U19	SON50P300X100_HS- 15N	TPS63021	
BQ297xx IC LITHIUM BATT PROTECT 6-SON	BQ297xx IC LITHIUM BATT PROTECT 6-SON	U20	BQ297xx	BQ297xx	
TPS81256 IC REG BOOST 5V SYNC 9USIP	TPS81256 IC REG BOOST 5V SYNC 9USIP	U21	TPS81256 8-BGA	TPS81256	
Hirose ZX62-AB- 5PA(31) CONN RCPT USB MICRO AB SMD RA	Hirose ZX62-AB- 5PA(31) CONN RCPT USB MICRO AB SMD RA	USB1	Hirose ZX62-AB- 5PA(31) CONN RCPT USB MICRO AB SMD RA	Hirose ZX62-AB- 5PA(31) CONN RCPT USB MICRO AB SMD RA	