Commont	Description	Designator	Contraint	LibRef	Quantity
Comment	Description RF RCVR	Designator	Footprint	LIDKEI	Quantity
CAM-M8C-0  Button connector	GNSS/GPS 1.575GHZ MODULE Header, 2-Pin	BTN5	CAMM8C0 HDR1X2	CAM-M8C-0 Header 2	1
100nF	neader, 2-PIII	C3, C4, C5, C6, C8,	Cap_0805	C C	7
10uF		C10, C13 C9	Cap_0805	С	1
4.7uF NC	[NoValue], 4.7uF	C11, C18 C12	Cap_0805 Cap_0805	C C	2
10nF 47pF	Capacitor Capacitor	C14 C15, C16	6-0805_L 6-0805_L	Cap Cap	1 2
10nF	Capacitor	C17	Cap_0805	Сар	1
4.7uF, 35V	Multilayer Ceramic Capacitors 4.7µF +10% 35V X7R	C19, C21	Cap_0805	CMP-08246- 002735-1	2
10uF, 10V	SMD 0805 CAP CER 10UF 10V X5R 0805	C20	Cap_0805	CMP-2007-03243- 2	1
6.8uF, 10V	Cap Ceramic 6.8uF 10V X5R 20% Pad SMD 0805 +85°C Automotive T/R	C22	Cap_0805	CMP-08246- 000118-1	1
ASMB-KTF0-0A306	LED RGB 4PLCC SMD	D3	FP-PLCC-4-MFG	CMP-18399- 000003-1	1
Super Red, 1.9 V	SMT Mono-color Chip LED Waterclear WL- SMCW, size 0805, Super Red, 1.9 V, 140 deg, 60 mcd	D5, D6, D7	WL- SMCW_0805_1500 80xx75000		3
5011	Test Point, Black, Through Hole,	GND5, GND6,	KSTN-5011_V	CMP-1672-00003-	3
	RoHS, Bulk	GND7		4	3
Header 2	Header, 2-Pin WR-CRD Micro SD	GND8, P5	HDR1X2 uSD-WF-	Header 2 uSD-WE-	2
693071010811	Card Connector Push & Push CONN HEADER	J4	693071010811 FP-B3B-XH-	693071010811 CMP-17439-	1
B3B-XH-A(LF)(SN) BNO055-	VERT 3POS 2.5MM	J5	A_LF_SN-MFG BNO055-	000014-3 BNO055-	1
ADAFRUIT	SMD EMI	K4	ADAFRUIT_NO_H OLES	ADAFRUIT	1
742792133	Suppression Ferrite Bead WE- CBF, Z = 600 Ohm	L4	SMD-1206	CMP-0220-00010- 1	1
Header 6 Header 4	Header, 6-Pin Header, 4-Pin	P3 P4, P6, P7	HDR1X6 HDR1X4	Header 6 Header 4	1 3
Header 5	Header, 5-Pin Power MOSFET,	P8, P9	HDR1X5	Header 5	2
BSS138LT1G	200 mA, 50 V, N- Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q3, Q4, Q5, Q7, Q9, Q10, Q11	ONSC-SOT-23-3- 318-08_V	CMP-1058-00767- 1	7
NVR1P02T1G	Power MOSFET, - 20 V, -1 A, P- Channel, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q6, Q8	ONSC-SOT-23-3- 318-08_V	CMP-1058-00745-	2
50k 47k	Res 0805 Res 0805	R1, R2, R3, R4 R5	RES_0805 RES_0805	Res2 Res2	1
1k	Res 0805	R6 R7, R8, R9, R10,	RES_0805	Res2	1
430R 10k	Res 0805 Res 0805	R12, R14 R11, R13, R15, R20, R22, R23, R24, R34, R37,	RES_0805	Res2, CMP-2001- 04376-1	12
El-1	Dec 0005	R41, R43, R44	DEC 000F		
5k1 27R	Res 0805 Res 0805	R16, R17 R18, R19	RES_0805 RES_0805	Res2 Res2	2
15k	Res 0805	R21, R35	RES_0805	Res2, CMP-2001- 04031-1	2
220R	Res 0805	R25, R26, R27	RES_0805	Res2	3
270R	Res 0805	R28, R29, R30, R38	RES_0805	CMP-2001-00528- 1	4
39k	Res 0805	R31, R32, R33, R42	RES_0805	CMP-2001-00410- 1	
8k2					4
	Res 0805	R36	RES_0805	CMP-1013-00510-	1
100k	Res 0805 Res 0805	R36 R39	RES_0805 RES_0805	CMP-1013-00510- 2 CMP-2001-00479-	
	Res 0805	R39	RES_0805	2	1
6k2	Res 0805 Res 0805 TACT 5.2 X 5.2, 1.5		RES_0805 RES_0805 FP- PTS526SK15SMTR	2 CMP-2001-00479- 1	1
6k2 PTS526SK15SMTR 2LFS	Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5  MM H, 260GF,  IC MCU 32BIT	R39 R40 SW3	RES_0805  RES_0805  FP- PTS526SK15SMTR 2LFS-MFG	2 CMP-2001-00479- 1 CMP-2001-00562- 1 CMP-10040- 000013-1	1 1 1
6k2 PTS526SK15SMTR	Res 0805 Res 0805 TACT 5.2 X 5.2, 1.5 MM H, 260GF,	R39	RES_0805 RES_0805 FP- PTS526SK15SMTR	2 CMP-2001-00479- 1 CMP-2001-00562- 1 CMP-10040-	1 1
6k2 PTS526SK15SMTR 2LFS PIC32MX274F256D	Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5  MM.H., 2606F,  IC MCU 32BIT 256KB FLASH 44TCFP  UBS to Basic UART Interface Chip, UHCI/OHCI/EHCI Compatible, USB 2.0 Compatible, 40 to +85 degC, 16- Pin SSOP, Pb- Free, Tube	R39 R40 SW3	RES_0805  RES_0805  FP- PTS526SK15SMTR 2LFS-MFG	2 CMP-2001-00479- 1 CMP-2001-00562- 1 CMP-10040- 000013-1 CMP-06276-	1 1 1
6k2 PTS526SK15SMTR 2LFS PIC32MX274F256D I/PT	Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5  MM H, 2600F, IC MCU 32BIT 256KB FLASH 44TOFP  USB to Basic UART Interface Chip, UHCI/OHCI/EHCI Compatible, USB 2.0 Compatible, USB 2.0 Compatible, Free, Tube Charger IC Lithium Clory/Polymer 20-	R39 R40 SW3	RES_0805  FP. PTSS265K15SMTR 2LFS-MFG  FP-C04-076-IPC_A	2 CMP-2001-00479-1 1 CMP-2001-00562-1 CMP-10040- 000013-1 CMP-06276- 000357-1	1 1 1 1 1 1 1 1 1
6k2 PTS526SK15SMTR 2LFS PIC32MX274F256D I/PT FT230XS-U MCP73871T-	Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5 MM H, 260GF, IC MCU 32BIT 256KB FLASH 44TOFP UHCU/OHC//EHCI Compatible, USB 2.0 Compatible, USB 2.0 Compatible, USB 10 Face USB 2.0 Compatible U	R39 R40 SW3 U3	RES_0805  RES_0805  FP. PTSS26SK15SMTR 2LFS-MFG  FP-C04-076-IPC_A  SSOP-16_N  Microchip_C04- 126_IPC_B  TSOP65P640X110_	2 CMP-2001-00479-1 CMP-2001-00562-1 CMP-10040-000013-1 CMP-06276-000357-1 CMP-0248-00025-2 MCP73871T-	1 1 1 1 1 1 1 1 1 1
6k2 PTS5265K15SMTR 2LFS PIC32MX274F256D I/PT  FT230XS-U  MCP73871T- 2CCI/ML	Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5  MM H, 2600F, IC MCU 32BIT 256KB FLASH 44TOFP  USB to Basic UART Interface Chip, UHCI/OHCI/EHCI Compatible, USB 2.0 Compatible	R39 R40 SW3 U3 U4	RES_0805  RES_0805  FP- PTS5265K15SMTR 2LFS-MFG  FP-C04-076-IPC_A  SSOP-16_N  Microchip_C04- 126_IPC_B	2 CMP-2001-00479-1 CMP-2001-00562-1 CMP-10040- 000013-1 CMP-06276- 000357-1 CMP-0248-00025-2 CMP-73871T- 2CCI/ML	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6k2 PTS5265K15SMTR 2LFS PIC32MX274F256D I/PT  FT230XS-U  MCP73871T- 2CCI/ML  MAX1793EUE33+	Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5  MM H, 260CF, IC MCU 32BIT 256KB FLASH 44TOFP  USB to Basic UART Interface Chip, UHCI/OHC/UFHCI Compatible, USB 2.0 Compatible	R39 R40 SW3 U3 U4 U5	RES_0805  RES_0805  FP- PTS5265K15SMTR 2LFS-MFG  FP-C04-076-IPC_A  SSOP-16_N  Microchip_C04- 126_JPC_B  TS0P65P640X110_ HS-17N	2 CMP-2001-00479-1 CMP-2001-00562-1 CMP-10040- 000013-1 CMP-06276- 000357-1 CMP-0248-00025-2 2 MCP73871T- 2CCI/ML MAX1793EUE33+ CMP-1672-00008-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6k2 PTS5265K15SMTR 2LFS PIC32MX274F256D I/PT  FT230XS-U  MCP73871T- 2CCI/ML  MAX1793EUE33+ 3.3V	Res 0805  Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5 MM H, 260GF, 10 CMCU 32BIT 256KB FLASH 44TOFP  USB to Basic UART Interface Chip, UHCI/OHCI/EHCI Compatible, USB 2.0 Compatible, 10 CMC	R39 R40 SW3 U3 U4 U5 U6 V5	RES_0805  RES_0805  FP. PTSS26SK15SMTR 2LFS-MFG  FP-C04-076-IPC_A  SSOP-16_N  Microchip_C04- 126_IPC_B  TSOP6SP640X110_ HS-17N  KSTN-5019_V	2 CMP-2001-00479-1 CMP-2001-00562-1 CMP-10040-000013-1 CMP-06276-000357-1 CMP-0248-00025-2 CMP-0248-00025-1 CMP-1672-00008-1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
FT230XS-U  MCP73871T- 2CCI/ML  MAX1793EUE33+  3.3V	Res 0805  Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5  MM H, 2600F,  IC MCU 32BIT 256KB FLASH 44TOFP  USB to Basic UART Interface Chip, UHCI/OHCI/EHCI Compatible, USB 2.0	R39 R40 SW3 U3 U4 U5 U6 V5 V_btnON5	RES_0805  RES_0805  FP- PTS5265K15SMTR 2LFS-MFG  FP-C04-076-IPC_A  SSOP-16_N  Microchip_C04- 126_IPC_B  TSOP65P640X110_ HS-17N  KSTN-5019_V	2 CMP-2001-00479-1 CMP-2001-00562-1 CMP-10040-000013-1 CMP-06276-000357-1 CMP-0248-00025-2 CMP-1672-00008-1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6k2 PTS5265K155MTR 2LFS PIC32MX274F256D I/PT  FT230XS-U  MCP73871T- 2CCI/ML  MAX1793EUE33+  3.3V  VBOI  Vcharge	Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5 MM H, 260GF, IC MCU 32BIT 256KB FLASH 44TOFP USB to Basic UART Interface Chip, UHCI/OHCI/FEHC Compatible, USB 2.0 Compatible, -4 d to +85 degC, 16- Pin SSOP, Pb- Free, Tube Charger IC Lithium Ion/Polymer 20- OFN_4x.4.  Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and Reel Test Point, 1 Position SMD, RoHS, Tape and	R39 R40 SW3 U3 U4 U5 U6 V5 V_btnON5 V_regIN5 V_regOUTS Vbat5	RES_0805  RES_0805  FP. PTS526SK15SMTR 2LFS-MFG  FP-C04-076-IPC_A  SSOP-16_N  Microchip_C04- 126_IPC_B  TSOP65P640X110_ HS-17N  KSTN-5019_V  KSTN-5019_V	2 CMP-1072-00008-1 CMP-1672-00008-1 CMP-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6k2 PTS5265K15SMTR 2LFS PIC32MX274F256D I/PT  FT230XS-U  MCP73871T- 2CCI/ML  MAX1793EUE33+  VBOI  Vcharge  Vregu	Res 0805  Res 0805  Res 0805  TACT 5.2 X 5.2, 1.5  MM H, 260CF,  IC MCU 32BIT 256KB FLASH 44TOFP  USB to Basic UART Interface Chip, UHCI/OHC/UFHCI Compatible, USB 2.0	R39 R40 SW3 U3 U4 U5 U6 V5 V_btnON5 V_regIN5 V_regOUT5	RES_0805  RES_0805  RES_0805  FP- PTSS26SK15SMTR 2LFS-MFG  FP-C04-076-IPC_A  SSOP-16_N  Microchip_C04- 126_IPC_B  TSOP65P640X110_ HS-17N  KSTN-5019_V  KSTN-5019_V  KSTN-5019_V	2 CMP-1672-00008-1 CMP-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1