









	Description	Designator	Footprint	LibRef	Quantity
	CAP CER 10UF 10V X5R 0603, CAP CER 0.1UF				
	10V X7R 0603, CAP CER 0.1UF 10V X7R 0603,				
	CAP CER 22UF 6.3V X5R 0603. CAP CER 10UF				
	10V X5R 0603, CAP CER 0.1UF 10V X7R 0603,				
	CAP CER 0.1UF 10V X7R 0603, CAP CER 22UF				
	10UF 10V X5R 0603, CAP CER 0.1UF 10V X7R				
	0603, CAP CER 4.7UF 10V X5R 0603, CAP CER				
	0.1UF 10V X7R 0603, CAP CER 4.7UF 10V X5R				
	0603, CAP CER 0.1UF 10V X7R 0603, CAP CER				
	0.1UF 10V X7R 0603, CAP CER 1UF 10V X7R				
	0603, CAP CER 1UF 10V X7R 0603, CAP CER				
	0.1UF 10V X7R 0603, CAP CER 0.1UF 10V X7R				
	0603, CAP CER 0.1UF 10V X7R 0603, CAP CER				
	CAP CER 10000PF 50V X7R 0603, CAP CER				
	10000PF 50V X7R 0603, CAP CER 10UF 10V X5R 0603, CAP CER 10UF	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11,			
	10V X5R 0603, CAP CER	C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19,			
	1UF 10V X7R 0603, Multilayer Ceramic	C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31,			
	Capacitors MLCC - SMD/SMT 25V 7.5pF	C28, C29, C30, C31, C32, C40, C41, C42			
Cap Semi	COG 0201 .1pF Tol.	C32, C40, C41, C42, C43, C44	1608[0603]	Cap Semi	3
Cap	0805	C33, C39	6-0805_L	Cap	:
	CAP CER 0.1UF 16V X7R				
	0603, CAP CER 22UF 6 3V X5R 1206, CAP CER			1	
	4.7UF 6.3V X7R 0603, CAP CER 100PF 50V X7R			1	
Cap	0603, CAP CER 330PF 100V X7R 0603	C34, C35, C36, C37, C38	1608[0603]	Can	
Diode	Default Diode	C34, C35, C36, C37, C38 D1	1608[0603]	Cap Diode	
LED0	Typical INFRARED GaAs LED	D2	LED-0603	LEDO	
Li-on		H2	battery	battery	
Radio_Header	CONN HDR 1.27MM SMD AU 10POS	н3	Cortex Debug Header	Radio_Header	
	CONN RCPT USB MICRO AB SMD R/A	H4	MicroUSB_ConnOld	USB-AB-MICRO	
Data Out	Header, 2-Pin	H5	HDR1X2	USB-AB-MICRO Header 2	
VCNL4010	SENS IR PROXIMITY AMB LT 12LLP	IR1, IR2	13-WQFN	VCNL4010	
v C+4D4010	CIVID ET 12EEP	J1, MTP1, MTP2, MTP3, MTP4, MTP5, TP1, TP2,	ru-waterw	V CARACIO	1
	1	MTP4, MTP5, TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11,		1	
Socket	Socket	TP8, TP9, TP10, TP11, TP12, TP13, TP16	PIN1	Socket	20
	FIXED IND 3.3UH 30MA 1.3 OHM SMD. FIXED				
Inductor	IND 4.7UH 350MA 500	11 12	1608[0603]	Inductor	
Inductor	MOHM FERRITE BEAD 1 KOHM	L1, L2			
Inductor	0805 1LN	L3	6-0805_M	Inductor	
EFM32LG980F256-	ARM Microcontrollers - MCU 256k Flash 32k			EFM32LG980F256-	
QFP100	RAM USB 8x34 LCD AES	LG1	ENMR-LQFP100_M	QFP100	
	Bluetooth / 802.15.1			1	
ATSAMB11-MR210CA	Modules Chip Antenna UFL connector MU-T	M2	ATMELSAMB11	ATSAMB11	
TCA9548A	IC I2C SW 8CH W/RESET 24TSSOP	Mul1	TTSOP MULTIPLEXER	TCA9548A	
LTC4160EUDC#PBF	IC SWITCH POWER MANAGER 20-QFN	D1	LTC4160	LTC4160EUDC#PBF	
	IC REG BOOST ADJ 2A 8SOIC				
LT1308IS8	V_REG	P2	LTC1308	LT1308IS8	<u> </u>
	MIC5219Standard 3.3V and 5V 500mA LDO voltage regulator in			1	
	voltage regulator in			1	
	SOT-23 layout, Micrel		I	I .	
	SOT-23 layout, Micrel				
MIC5219 2.8V	SOT-23 layout. Micrel part MIC5219. BP (by- pass) pinMIC5219- 2.8YM5-TR	P3	SOT23-5	V_REG_MIC52193.3V	
	SOT-23 layout. Micrel part MIC5219. BP (by- pass) pinMIC5219- 2.8YM5-TR	P3 PH1	SOT23-5 HDR1X6	V_REG_MIC52193.3V Header 6	
Programming Header	SOT-23 layout. Micrel part MIC5219. BP (by- pass) pinMIC5219-	P3 PH1 C02, C03			
Programming Header	SOT-23 layout. Micrel part MIC5219. BP (by- pass) pinMIC5219. 2.8YM5-TR Header, 6-Pin MOSFET N-CH 20V 3A 6- TSOP		HDR1X6	Header 6	:
Programming Header	SOT-23 Isyout. Mirel part MICS219. BP (by- pass) pinMiCS219- 2.89MS-TR Header, 6-Pin MOSFET N-CH 20V 3A 6- TSOP RES SMD 4.7K OHM 5% 1/10W 0603, RES SMD 4.7K OHM 5% 1/10W		HDR1X6	Header 6	-
Programming Header	SOT-23 Isyout. Micrel part MICS219. BP (by- pass) pinMICS219- 2.8YMS-TR Header, 6-Pin MOSFET N-CH 20V 3A 6- TSOP RES SMD 4-7K OHM 5% 1/10W 0603, RES SMD 4-7K OHM 5% 1/10W 0603, RES SMD 4-7K		HDR1X6	Header 6	
Programming Header	SOT-23 Inyout. Micrel part MICS219. Be (by- pass) pinMiCs219- 2 s/mds-Tir. Header, 6-Pin MIGSFET N-CH 20V 3A 6- TSOP RES SMD 4.7K OHM 5% 1/10W 6603, RES SMD 4.7K OHM 5% 1/10W 6003, RES SMD 4.7K OHM 5% 1/10W 6603, RES SMD 5/10W 6/10W 6		HDR1X6	Header 6	
Programming Header	SOT-23 layout. Micrel part MICS219, BP (by- pass) pinAMCS219. 2.8/MS-TR Header, 6-Pin MOSFET N-CH 20V 3A 6- TSOP RES SMO 4-TK OHM 5% 17/0V 0603, RES SMO 4-TK OHM 5% 1/10W 0603, RES SMO 4-TK 1/10W 0603, RES SMO		HDR1X6	Header 6	:
Programming Header	SOT-23 layout. Micrel part MICS219, BP (by- pass) pinAMCS219. 2.8/MS-TR Header, 6-Pin MOSFET N-CH 20V 3A 6- TSOP RES SMD 4-7K OHM 5% 17/0W 6003, RES SMD 4-7K OHM 5% 17/0W 6003, RES SMD		HDR1X6	Header 6	:
Programming Header	SOT-23 layout. Micrel part MicS219 / Bit [ty- pass) pinMicS219 - 26/MicS-IR Header, 6-Pin MOSFET N. CH 20V 3A.6 - 13OP SES SMD 4.7K OHM 5% 1/10W 6603, RES SMD 6.7K OHM 5% 1/10W 6603, RES SMD		HDR1X6	Header 6	:
Programming Header	SOT-23 leyout. Microl part MicSZ19. Bel flby- pass) pinMicSZ19. 28/MS-18. MicSZ19. 28/MS-18. MicSZ19. 28/MS-18. MicSZ19. 28/MS-18. MicSZ19. At 78. CH 20 V3 A 6- 150P. MicSZ19. At 78. CH 20 V3 A 6- 150P. MicSZ19. MicSZ1		HDR1X6	Header 6	
Programming Header	SOT-23 Isyout. Microl part MICS219 - BP (by- pass) priMiCS219 - 220M6-18: Header, 6-Pin MICSET IN-C1 20V 3A 6-Vin MICSET		HDR1X6	Header 6	:
Programming Header	SOT-23 lyout. Microl part MICS219: 8P (by- part MICS219: 8P (by- 2-896-1); 82-819. 1 Microl 19-2-896-1); 82-819. 1 Microl MICROL 19-2-99. 1 MICROL 19-2-99. 1		HDR1X6	Header 6	:
Programming Header	SOT 23 SEQUEL MICES 1 STORY SEQUEL SE		HDR1X6	Header 6	:
Programming Header	SO T-23 lyout. Microl part MICS219 & Pt by- part MICS219 & Pt by- 2-806-18 C-219 C-		HDR1X6	Header 6	
Programming Header	\$0.723 (you'th Microl part MICS219' Bir Dy- part MICS219' Bir Dy- 2-806-11' Bir Dy- 2-806-11' Bir Dy- 2-806-11' Bir Dy- 2-806-11' Bir Dy- 1000 (you'th Ship 1-100' WOOD, RS 5MD 4 'X' CHM 5% 1700' WOOD, RS 5MD 6 'X' CHM 5%	O2, Q3	HDR1X6	Header 6	:
Programming Header MOSFET	\$0.72.3 (yout. Micro \$1.50.72.3 (yout. Micro \$1.50.72.	O2, Q3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11,	HDR1X6	Header 6 MOSFET	
Programming Header MOSFET Resident	50 T-23 Inyout Morely passage plantificacing and pl	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Programming Header MOSFET	SO T-23 leyout Micros SO T-23 leyout SO T-23 leyout SO T-23 leyout SO T-24 leyout S	O2, Q3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11,	HORTIXA MODEFET SI3442	Header 6 MOSFET	
Programming Header MOSFET	50.723 (youth Micro 1907) and 1907 (1907) and	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	, ; ;
Programming Header MOSFET Resident	50 T-23 lyout Micro 150 T-25 l	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Programming Header MOSFET Resident	50.1-23 lyouth Micro 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Programming Header MOSFET Resident	50.1-23 lyouth Microl 1907-1904 (1907-1904) (1907-190	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Programming Header MOSFET Resident	50 T-23 Inyout More 1 1 1 1 1 1 1 1 1 1	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Programming Header MOSFET Resident	50 T-23 Inyout More 1 50 Inyout Mor	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Programming Header MOSFET	50.17.23 lyouth. Microl 1907.25 lyouth. Microl 1907.	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R20,	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Programming Header MOSFET Resident	SO T-23 Inyout Micro SO T-23 Inyout Micro SO T-23 Inyout Micro SO T-23 Inyout Micro SO T-24 Inyout Micro SO T-24 Inyout SO T-2	D2, D3, D4, D5, R6, R7, R8, R7, R8, R8, R10, R11, R12, R12, R12, R14, R15	HORTIX6 MOSFET SI3442	Header 6 MOSFET	
Regarming Header MOSFIT	50.17.23 lyouth. Microl 1907;	02, 03 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R25 R14, R15 R17, R18, R19, R20, R21, R21, R22, R31, R24, R34, R34, R34, R34, R34, R34, R34, R3	HORTX6 MOS/EETS13442 17-0603 1668[0603]	Header 6 MOSFET	:
Read Rest	50 T-23 Inyout More) 60 T-23 I	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R26 R14, R15 R17, R18, R19, R20, R21, R22, R23, R24, R26, R26, R26, R26, R26, R26, R26, R26	HORTX6 MOSEET S13442 17-0403 1608[0403]	Header 6 MOSFET Res3 Res3 Res3	:
Regarming Header MOSFIT	50 T-23 Inyout Micro 50 T-23 Inyout Micro 100 T-20 Inyout Micro 100 Inyout Micro	02, 03 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R25 R14, R15 R17, R18, R19, R20, R21, R21, R22, R31, R24, R34, R34, R34, R34, R34, R34, R34, R3	HORTX6 MOS/EETS13442 17-0603 1668[0603]	Header 6 MOSFET	:
Read Rest	50 T-23 Inyout Microl 1907 T-23 Inyout Microl 1907 T-23 Inyout Microl 1907 T-23 Inyout Microl 1907 T-24 Inyout Microl 1907 Inyout Microl 1907 T-24 Inyout Microl 190	C2, C3 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R26 R14, R15 R17, R18, R19, R20, R21, R22, R23, R24, R26, R26, R26, R26, R26, R26, R26, R26	HORTX6 MOSEET S13442 17-0403 1608[0403]	Header 6 MOSFET Res3 Res3 Res3	
Res3 Res3 Res3 Steel Ste	50 T-23 Inyout More) 50 T-23 I	02. 03 81, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R16, R26 814, R15 817, R18, R19, R20, R21, R22, R23, R24, R25, R24, R25, R24, R25, R24, R25, R24,	JR-0403 14-08[0403] 14-08[0403] 86-SET	Res3 Res3 Ser4 Ser5 Ser5 Res3 Ser5	:
Resa Resa Resa Resa Resa Resa Resa Resa	SO T-23 Inyout Micro Sol T-23 Inyout Micro Sol T-23 Inyout Micro Sol T-23 Inyout Micro Sol T-23 Inyo Sol	D2, D3, D4, D5, D6, D7, D7, D7, D7, D7, D7, D7, D7, D7, D7	I/I-0403 1608[0403] 1608[0403] 1608[0403]	Res3 Res3 Sers1 SW-P8 UC1981	:
Resa Resa Resa Resa Resa Resa Resa Resa	50 T-23 Inyout More) 50 T-23 I	02, 03 R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R25, R14, R15 R17, R18, R19, R20, R21, R21, R22, R31, R24, R25, R34 R25, R34	FIDRIXA MOSFETSI3442 77.0603 7608[0603] 1608[0603] 8685ET LECT981 1806[040	Ress Ress Ress Ress Ress Ress Ress Ress	: