







Comment	Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier Part Number 1	farnell
Comment	Description	Designator	1 Ootprint	Librei	Quantity	Supplier i	Supplier Fait Number 1	laitieii
		R1, R2, R3, R4, R5,						
		R6, R7, R8, R9, R10 R11, R13, R14, R16						
		R17, R18, R21, R25						
1k		· ·	0603RES	RES1	20			
1.5K			0603RES	RES1		Digi-Key		
1.8k			0603RES	RES1		Digi-Key		
3.3k		R30	0603RES	RES1	1	Digi-Key		
		R12, R15, R19, R20						
10K		R22, R24, R32	0603RES	RES1	7	Digi-Key	541-10.0KLCT-ND	
18pF		C12, C13, C33, C34	0603	CAP		Digi-Key	445-1238-1-ND	
33		R28, R31	0603RES	RES1		Digi-Key	541-33.0LCT-ND	
33uF/6V		C23, C29, C41	T491A	ELECTRO1		Digi-Key	399-4719-1-ND	
554.751		020, 020, 011				2.ge,	000 11 10 1 112	
		C6, C7, C8, C9, C10 C11, C14, C15, C16						
		C17, C18, C19, C20						
		C21, C24, C25, C26						
		C28, C31, C32, C35 C36, C37, C39, C42						
100nF			0603	CAP	26			
100uF/20V		C38, C40	T491D	ELECTRO1	2			
330		R34	0603RES	RES1	1	Digi-Key	541-330LCT-ND	
470nF		C22, C27	0805	CAP	2			1414037
0000	Canacit	C1, C2, C3, C4, C5,	0603	Con				
0603 4017	Capacitor	C30 U2	0603 4017PW	Cap 4017	6	Digi-Key	296-14252-1-ND	
Analog	Header, 6-Pin	Analog	HDR6	Header 6	1	Digi-Key	280-14202-1-IND	
Analog	PNP general purpos		TIDINO	rieader o	'			
	transistor (GRZ							
BC807	10/2007)	T1	BC807	BC807	1	Digi-Key	568-1629-1-ND	
Cam	Header, 4-Pin	S2	HDR4	Header 4	1			
	Crystal 12 Mhz SME							
CTS405 12MHz	(DMT 06/2007)		CTS_405	CRYSTAL_CTS_40	5 1	Digi-Key	CTX639CT-ND	
Digital	Header, 2-Pin		HDR2	Header 2	1			
Digital	Header, 3-Pin	I2C	HDR3	Header 3	1			
GPS	Header, 5-Pin	J1	HDR5	Header 5	1			
Header 3	Header, 3-Pin Led jaune 0603, Led	RC1	HDR3	Header 3	1			
	rouge 0603 (GRZ							
	10/2007), Led vert			KP-1608SURC, KP-				
KP-1608SURC	0603	LED1, LED2, LED3	KP-1608SURC	1608SURC_1	3	Digi-Key	754-1123-1-ND	
	Single-chip ARM7 3							
	bit microcontroller							
LPC2148FBD64	(GRZ 04/2007)	U3	LPC2148FBD64	LPC2148FBD64	1	Digi-Key	568-1765-ND	
	Régulateur3.3v LDO							
LT1963AEST-3.3	(GRZ 09/2007)	U4, U5	LM3940IMP-3.3	LM3940IMP-3.3	2	Digi-Key	LT1963AEST-3.3#PBF-N	D
	±15kV ESD Protected 1µA,							
	3.0V/5.5V, 250kbps							
	RS-232 Transceiver							
MAX3221EEAE	with AutoShutdown	U1	SSOP16	MAX3221EEAE	1			9724508
Mini-Usb Connector	Mini USB Connector	USB2	miniUSB	USB_Host	1			1125348
	Header, 3-Pin		HDR3	Header 3			<u> </u>	
	Header, 3-Pin	ADC1/2	HDR3	Header 3	1			
PTH_08080W		IC1	PTH_08080W	PTH_08080W	1	Digi-Key	296-20432-ND	
	Header, 4-Pin	RS232	HDR4	Header 4	1			
S0	Header, 3-Pin	S0	HDR3	Header 3	1			
	Header, 3-Pin	S1	HDR3	Header 3	1			
S3	Header, 3-Pin	S3	HDR3	Header 3	1			
S4	Header, 3-Pin	S4	HDR3	Header 3	1		-	
S5 S6	Header, 3-Pin	S5 S6	HDR3 HDR3	Header 3	1		-	
S6 S7	Header, 3-Pin Header, 3-Pin	S6 S7	HDR3	Header 3 Header 3	1		+	
S8	Header, 3-Pin	S8	HDR3	Header 3	1		+	
S9	Header, 3-Pin	S9	HDR3	Header 3	1			
Spi	Header, 7-Pin	SPI	HDR7	Header 7			1	
SUPPLY	Header, 2-Pin	BAT, Switch	HDR1X2	Header 2	2			
	Current Limited							
	Power Distribution Switch (GRZ							
TPS2051B	10/2007)	U6	TPS2051B	TPS2051B	1	Digi-Key	296-21265-1-ND	
	,		-		•	5 ,	+	
	Header, 10-Pin, Dua	XBee	Xbee	Xbee	1			

Comment	Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier Part Number 1	farnell
		R2, R3, R5, R6, R7, R8, R9, R10, R11, R13, R14, R17, R18						
1k		R21, R25, R29, R35		RES1	17			
1.5K		R23, R26, R33	0603RES	RES1	3	Digi-Key		
1.8k		R27	0603RES	RES1	1	Digi-Key		
3.3k		R30	0603RES	RES1	1/	Digi-Key		
10K		R12, R15, R19, R20 R22, R24, R32	0603RES	RES1	7	Digi-Key	541-10.0KLCT-ND	
18pF		C12, C13, C33, C34	0603	CAP	. 4	Digi-Key	445-1238-1-ND	1
33			0603RES	RES1		Digi-Key	541-33.0LCT-ND	
33uF/6V		C23	T491A	ELECTRO1	1			
100nF		C6, C7, C8, C10, C11, C14, C15, C16 C18, C20, C24, C26 C28, C35, C37, C39 C42, C43	3	CAP	18	3		
100uF/20V	+		T491D	ELECTRO1	2		†	
330		R34	0603RES	RES1	1	Digi-Key	541-330LCT-ND	
470nF		C22	0805	CAP	1			1414037
0603	Capacitor	C30	0603	Сар	1			
4017			4017PW	4017	1	Digi-Key	296-14252-1-ND	
BC807	PNP general purpos transistor (GRZ 10/2007)		BC807	BC807	1	Digi-Key	568-1629-1-ND	
CTS405 12MHz	Crystal 12 Mhz SME (DMT 06/2007)		CTS_405	CRYSTAL_CTS_40	5 1	Digi-Key	CTX639CT-ND	
KP-1608SURC	Led jaune 0603	LED2	KP-1608SURC	KP-1608SURC_1	1	Digi-Key	754-1123-1-ND	
LPC2148FBD64	Single-chip ARM7 3 bit microcontroller (GRZ 04/2007)		LPC2148FBD64	LPC2148FBD64	1	Digi-Key	568-1765-ND	
LT1963AEST-3.3	, ,	U4	LM3940IMP-3.3	LM3940IMP-3.3		Digi-Key	LT1963AEST-3.3#PBF-N	I D
PTH_08080W		IC1	PTH_08080W	PTH_08080W	1	Digi-Key	296-20432-ND	

Comment	Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier Part Number 1	farnell
			11.4					
		R2, R3, R4, R5, R6,						
		R7, R8, R9, R10,						
		R11, R13, R14, R16 R17, R18, R21, R25						
1k		R29, R35	0603RES	RES1	19			
1.5K		R23, R26, R33	0603RES	RES1	3	Digi-Key		
1.8k		R27	0603RES	RES1	1	Digi-Key		
3.3k		R30	0603RES	RES1	1	Digi-Key		
		1100						
		R12, R15, R19, R20						
10K		R22, R24, R32	0603RES	RES1	7	Digi-Key	541-10.0KLCT-ND	
10°E		C12, C13, C33, C34	0603	CAP		Digi Kov	445-1238-1-ND	
18pF 33		R28, R31	0603RES	RES1	4	Digi-Key	541-33.0LCT-ND	
33uF/6V		C23, C29, C41	T491A	ELECTRO1		Digi-Key Digi-Key	399-4719-1-ND	
33uF/0V		023, 029, 041	1491A	ELECTROT		Digi-Rey	399-47 19-1-ND	
		C6, C7, C8, C9, C10						
		C11, C14, C15, C16						
		C17, C18, C19, C20						
		C21, C24, C25, C26 C28, C31, C32, C35						
		C36, C37, C39, C42						
100nF		C43	0603	CAP	26			
100uF/20V		C38, C40	T491D	ELECTRO1	2			
330		R34	0603RES	RES1	1	Digi-Key	541-330LCT-ND	
470nF		C22, C27	0805	CAP	2			1414037
0603	Capacitor	C30	0603	Сар	1			
4017		U2	4017PW	4017	1	Digi-Key	296-14252-1-ND	
Analog	Header, 6-Pin	Analog	HDR6	Header 6	1			
	PNP general purpos							
	transistor (GRZ							
BC807	10/2007)	T1	BC807	BC807	1	Digi-Key	568-1629-1-ND	
Cam	Header, 4-Pin	S2	HDR4	Header 4	1			
	Crystal 12 Mhz SME							
CTS405 12MHz	(DMT 06/2007)	Q1	CTS_405	CRYSTAL CTS 40	5 1	Digi-Key	CTX639CT-ND	
Digital	Header, 2-Pin	Aux	HDR2	Header 2	1	3 17		
Digital	Header, 3-Pin	I2C	HDR3	Header 3	1			
GPS	Header, 5-Pin	J1	HDR5	Header 5	1			
Header 3	Header, 3-Pin	RC1	HDR3	Header 3	1			
	Led jaune 0603, Led		-					
	rouge 0603 (GRZ							
LCD 4000011D0	10/2007), Led vert		I/D 4000011D0	KP-1608SURC, KP-		D: : 14	754 4400 4 ND	
KP-1608SURC	0603	LED1, LED2, LED3	KP-1608SURC	1608SURC_1	<u>3</u>	Digi-Key	754-1123-1-ND	
	Single-chip ARM7 3							
	bit microcontroller							
LPC2148FBD64	(GRZ 04/2007)	U3	LPC2148FBD64	LPC2148FBD64	1	Digi-Key	568-1765-ND	
1 T40624 FOT 2 2	Régulateur3.3v LDO (GRZ 09/2007)	114 115	LM3940IMP-3.3	LM3940IMP-3.3		Digi Kov	1 T4062A FOT 2 2#DDF N	D
LT1963AEST-3.3	(GRZ 09/2007)	U4, U5	LIVI394UIIVIP-3.3	LIVIS94UIIVIP-3.3	2	Digi-Key	LT1963AEST-3.3#PBF-N	ט
Mini-Usb Connector	Mini USB Connector	USB2	miniUSB	USB_Host	1			1125348
P1	Header, 3-Pin	ADC1	HDR3	Header 3	1			
P2	Header, 3-Pin	ADC1/2	HDR3	Header 3	1			
PTH_08080W		IC1		PTH_08080W	1	Digi-Key	296-20432-ND	
S0	Header, 3-Pin	S0	HDR3	Header 3	1	,		
S1	Header, 3-Pin	S1	HDR3	Header 3	1			
S3	Header, 3-Pin	S3	HDR3	Header 3	1			
S4	Header, 3-Pin	S4	HDR3	Header 3	1			
S5	Header, 3-Pin	S5	HDR3	Header 3	1			
S6	Header, 3-Pin	S6	HDR3	Header 3	1			
S7	Header, 3-Pin	S7	HDR3	Header 3	1			
S8	Header, 3-Pin	S8	HDR3	Header 3	1			
S9	Header, 3-Pin	S9	HDR3	Header 3	1			
Spi	Header, 7-Pin	SPI	HDR7	Header 7	1			
SUPPLY	Header, 2-Pin	BAT, Switch	HDR1X2	Header 2	2			
	Current Limited	,						
	Power Distribution							
TD000545	Switch (GRZ		TD000545	TD000545		D: : 14	200 04005 ():5	
TPS2051B	10/2007)	U6	TPS2051B	TPS2051B	1	Digi-Key	296-21265-1-ND	
XBee Comm Module	meader, 10-Pin, Dua	YREE	Xbee	Xbee	1			