

Document reference: M24LR64-R EEPROM Based Data logger			PCB reference: STEVAL-IPR002V1			Date:	17th June-2011		
Company: STMicroelectronics									
Category	S. No.	Reference Designator	Component Description	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number or Equivalent	Supplier	Supplier Ordering Code	Quantity
ST Devices									
	1	U2	Microcontroller	LQFP32	ST	STM8L151K4T6			1
	2	U3	Temperature Sensor	UDFN-6L	ST	STTS751-0DP3F			1
	3	U4	MEMS	LGA16	ST	LIS3DH			1
	4	U5	EEPROM	TSSOP8	ST	M24LR64-RDW6T/2			1
	5	D2, D3	DIODE	SOD323	ST	BAT54J			2
	6	U1	Humidity Sensor	smd	Honeywell	HIH5030			1
	7	U6	Photo Sensor	SMD	Avago Technologies US Inc.	APDS-9004-020	Digikey	516-1716-1-ND	1
	8	BT1	Coin Cell connector	Through hole	Tyco Electronics	796136-1	Digikey	A99327C T-ND	1
	9	J1	SWIM Connector	SMT, 4 pin, 1.27mm pitch	ERNI	284697	ERNI	284697	1
	10	J2	Berg Strip	4x1 pin Berg strip	Any		Samtec	TSW-104-23-G-S	3
Capacitors									
	11	C1,C2	12pF	SMD0805	AVX Corporation or equivalent	08051A120JAT2A	Digikey	478-5011-1-ND	2
	12	C3,C4	22pF	SMD0805	AVX Corporation or equivalent	08051A220JAT2A	Digikey	478-1280-1-ND	2
	13	C5,C6,C8,C9,C10,C11,C12	100nF	SMD0805	Panasonic - ECG or equivalent	ECJ-2VF1C104Z	Digikey	PCC1843 CT-ND	7
	14	C7	1uF	SMD0805	Panasonic - ECG or equivalent	ECJ-2FF1E105Z	Digikey	PCC2230 CT-ND	1

LEDs										
	15	D1	LED, Red Colour	SMD0805	Lite-On Inc	LTST-C170CKT	Digikey	160-1176-1-ND	1	
Resistors										
	16	R1	4.7k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ472V	Digikey	P4.7KAT R-ND	1	
	17	R2,R3,R6,R7,R9,R11,R12,R13	10k	SMD0805	Panasonic - ECG or equivalent	ERJ-6ENF4221V	Digikey	P4.22KCT R-ND	8	
	18	R8	100	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ101V	Digikey	P100ACT-ND	1	
	19	R10	100k	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEYJ104V	Digikey	P100KACT-ND	1	
	20	R4,R5,R14,R15,R16,R17,R18,R19	0	SMD0805	Panasonic - ECG or equivalent	ERJ-6GEY0R00V	Digikey	P0.0ACT-ND	8	
Switches										
	21	SW1,SW2,SW3	Push Button	SMD	MULTICOMP	DTSM-32S-B	Farnell	9471898	3	
	22	SW4	DPDT Switches	Through Hole	C&K Components	JS202011AQN	Digikey	401-2000-ND	1	
Crystal										
	23	Y1	32.768kHz	Through hole	ECS Inc	ECS-3X8X	Mouser	X1123-ND	1	
			The term equivalent has been used where the exact part number from the mentioned vendor may not have been used.							