

Bill of Material for Logger100.Bom for BL1284P V2.00 Board Assembly												
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DATE:		2015-11-10										
VER:		2.00										
REV:		0										
WHO:		GJO										

Used	Part	Type	Designator	Footprint	Description	Mfr. P/N	Vendor P/N	Vendor	Status	Price	Multiplier	
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15	0u1		C1 C2 C3A	0805N2	CAP CER 0.1UF 50V 10% X7R 0805	C0805C104K5RACTU	399-1170-1-ND	DK	OK	0.035	50	
			C3B C3C C6									
			C9 C19 C22									
			C23 C24									
			C25 C27									
			C28 C30									
6	1K		R9 R12 R13	0805N2	RES SMD 1K OHM 5% 1/8W 0805	RC0805JR-071KL	311-1.0KARCT-ND	DK	OK	0.14	1	
			R43 R44									
			R49									
2	1uF		C11 C12	0805N2	CAP CER 10000PF 50V 10% X7R 0805	GRM216R71H103KA01D	490-1664-1-ND	DK	OK	0.043	1	
2	2u2		C4 C5	0805N2	CAP CER 2.2UF 10V 10% X7R 0805	LMK212B7225KG-T	587-1286-1-ND	DK	OK	0.21	1	
1	3.3V		TP2	TESTPOINT-2	PCB Primitive - Not a part	N/A	N/A	N/A	N/A	N/A	N/A	
1	3K(DNP)		R52	0805N2	RES SMD 3K OHM 5% 1/8W 0805	RC0805JR-073KL	311-3.0KARCT-ND	DK	OK	0.14	1	
5	3K		R7 R8 R26	0805N2	RES SMD 3K OHM 5% 1/8W 0805	RC0805JR-073KL	311-3.0KARCT-ND	DK	OK	0.14	1	
			R27 R34									
1	3n3		C3	0805N2	CAP CER 3300PF 50V 1% NP0 0805	GRM2165C1H332FA01J	490-8287-1-ND	DK	OK	0.51	1	
1	4K7		R54	0805N2	RES SMD 4.7K OHM 5% 1/8W 0805	ERJ-6GEYJ472V	P4.7KACT-ND	DK	OK	0.14	1	
1	4u7, 10V, T		C20	3216	CAP TANT 4.7UF 10V 10% 1206	T491A475K010AT	399-3696-1-ND	DK	OK	0.46	1	
1	4u7, T		C26	3216	CAP TANTALUM 4.7UF 6.3V 10% SMD	B45196H1475K109	495-2177-1-ND	DK	OK		*	
14	10K0		R1 R2 R3	0805N2	RES SMD 10K OHM 1% 1/8W 0805	ERJ-6ENF1002V	P10.0KCCT-ND	DK	OK	0.14	1	
			R4 R5 R6									
			R19 R20									
			R21 R22									
			R23 R24									
			R30 R31									
3	10K		R14 R25	0805N2	RES SMD 10K OHM 5% 1/8W 0805	RC0805JR-0710KL	311-10KARCT-ND	DK	OK	0.14	1	
			R48									
2	10R		R32 R50	0805N2	RES SMD 10 OHM 5% 0.4W 0805	ESR10EZPJ100	RHM10KCT-ND	DK	OK	0.14	1	
8	10n		C13 C14	0805N2	CAP CER 10000PF 50V 10% X7R 0805	GRM216R71H103KA01D	490-1664-1-ND	DK	OK	0.023	50	
			C15 C16									
			C17 C18									
			C21 C29									
1	10uF		C10	RB.1/.2	CAP ALUM 10UF 20% 16V RADIAL	EEA-GA1C100H	P15787CT-ND	DK	OK	0.47	1	
1	16MHZ		Y1	CM309S	Crystals 16MHz 18pF PLASTIC SMD	CM309E-16.000MABJ-UT	695-CM309E-16-U	Mouser	OK	1.23	1	
2	18pF		C7 C8	0805N2	CAP CER 18PF 50V 5% NP0 0805	500R15N180JV4T	709-1171-1-ND	DK	OK	0.13	1	
1	22-28-4043		J3	MOLEX-6373-4	CONN HEADER 4POS .100 VERT GOLD	22-28-4043	WM6504-ND	DK	OK		*	
1	32KHZ		TP1	TESTPOINT-2	PCB Primitive - Not a part	N/A	N/A	N/A	N/A	N/A	N/A	
2	74LVC4066PW,118		U20 U22	TSSOP-14N2	IC SWITCH QUAD SPST 14TSSOP	74LVC4066PW,118	568-9989-1-ND	DK	OK	1.11	1	
6	100K		R28 R37	0805N2	RES SMD 100K OHM 5% 1/8W 0805	ERJ-6GEYJ104V	P100KACT-ND	DK	OK	0.14	1	
			R38 R39									
			R41 R47									
2	100R		R29 R45	0805N2	RES 100 OHM 1/8W 5% 0805 SMD	ERJ-6GEYJ101V	P100ACT-ND	DK	OK	0.14	1	
1	120R		R46	0805N2	RES SMD 120 OHM 5% 1/8W 0805	RC0805JR-07120RL	311-120ARCT-ND	DK	OK	0.14	1	
1	200K		R36	0805N2	RES SMD 200K OHM 5% 1/8W 0805	RC0805JR-07200KL	311-200KARCT-ND	DK	OK	0.14	1	
2	220R		R15 R53	0805N2	RES SMD 220 OHM 5% 1/8W 0805	RC0805JR-07220RL	311-220ARCT-ND	DK	OK	0.14	1	
10	330R		R10 R11	0805N2	RES SMD 330 OHM 5% 1/8W 0805	RC0805JR-07330RL	311-330ARCT-ND	DK	OK	0.14	1	
			R17 R18									
			R33 R42									
			R51 R55									
			R56 R57									
1	470K		R16	0805N2	RES SMD 470K OHM 5% 1/8W 0805	RC0805JR-07470KL	311-470KARCT-ND	DK	OK	0.14	1	
1	510R, 1W		R35	2512R2	RES SMD 510 OHM 5% 1W 2512	RMCF2512JT510R	RMCF2512JT510RCT-ND	DK	OK	0.63	1	
1	510R		R40	0805N2	RES SMD 510 OHM 5% 1/8W 0805	RC0805JR-07510RL	311-510ARCT-ND	DK	OK	0.14	1	
1	2051-09-SM-RPLF		SG1	1812	GDT 90V 30% 2KA SURFACE MOUNT	2051-09-SM-RPLF	2051-09-SM-RPLFCT-ND	DK	OK	1.10	1	
1	61729-0010BLF		J1	USB-B RECEPTICAL	Connector Receptacle USB TypeB	61729-0010BLF	609-1039-ND	DK	OK	1.23	1	
1	1727010		J2B	MKDS-2-3.81	TERM BLOCK 2POS 3.81MM PCB GRN	1727010	277-1947-ND	DK	OK	1.50	1	
1	2041021-4		SD1	TE_2041021-4_SDCARD	CONN SD CARD PUSH-PULL R/A SMD	2041021-4	A101492CT-ND	DK	OK	4.16	1	
1	ALOG LOGO		LOGO1	ALOG_LOGO_V1_SMALL	BAR CODE FIELD - NOT A PART	N/A	N/A	N/A	N/A	N/A	N/A	
1	ATMEGA1284P-AUR		U1	TQFP-44-10X10X1_0.8_SOT376-1	IC MCU 8BIT 128KB FLASH 44TQFP	ATMEGA1284P-AUR	ATMEGA1284P-AURCT-ND	DK	OK	11.50	1	
3	BAT54C-7-F		D4 D6 D7	SOT-23	DIODE ARRAY SCHOTTKY 30V SOT23-3	BAT54C-7-F	BAT54C-FDICT-ND	DK	OK	0.27	1	
1	BR1225-1HC		B1	BR1225/1HF2	BATTERY LITH 12.5MM COIN W/LEGS	BR1225-1HC	P191-ND	DK	OK	1.78	1	
2	BSS138		Q3 Q4	SOT-23	MOSFET N-CH 50V 200MA SOT23-3	BSS138-7-F	BSS138-FDICT-ND	DK	OK	0.47	1	
1	CD4050BPWR		U4	TSSOP-16R2_4.5MM	IC BUFF/CONVERTER HEX 16TSSOP	CD4050BPWR	296-31504-1-ND	DK	OK	0.59	1	
1	CON2		J7	HEADER-2X1	CONN HEADER 2POS .100" SGL GOLD	TSW-102-07-L-S	SAM1031-02-ND	DK	OK	0.95	1	
1	CON4		H3	MOLEX-6373-4	CONN TERM BLOCK 2.54MM 4POS PCB	OSTVN04A150	ED10563-ND	DK	OK	1.41	1	
1	CON6		J5	MOLEX-6373-6	CONN TERM BLOCK 2.54MM 6POS PCB	OSTVN06A150	ED10565-ND	DK	OK	1.97	1	
2	CON8		H1 H2	MOLEX-6373-8	CONN TERM BLOCK 2.54MM 8POS PCB	OSTVN08A150	ED10566-ND	DK	OK	2.63	1	
1	CSD		TP4	TESTPOINT-2	PCB Primitive - Not a part	N/A	N/A	N/A	N/A	N/A	N/A	
1	DS3231		U6	SOL-16R2	IC RTC CLK/CALENDAR I2C 16-SOIC	DS3231SN#T&R	DS3231SN#T&RCT-ND	DK	OK	13.37	1	

81	3	FDN360P	Q1 Q2 Q5	SOT-23	MOSFET P-CH 30V 2A SSOT3	FDN360P	FDN360PCT-ND	DK	OK	0.6020	10
82	1	FT232RL	U5	SSOP-28	IC USB FS SERIAL UART 28-SSOP	FT232RL-REEL	768-1007-1-ND	DK	OK	6.03	1
83	2	HEADER 4X2	JP2 JP3	HEADER-4X2	*	*	*	*	*	*	*
84	1	HEADER 5X2	JP4	HEADER-5X2	CONN HEADER 10POS .100" DL GOLD	TSW-105-07-L-D	SAM1030-05-ND	DK	OK	2.37	1
85	1	ISP	JP1	HEADER-8X2	CONN HEADER 16POS .100" DL GOLD	TSW-108-07-L-D	SAM1030-08-ND	DK	OK	2.86	1
86	1	LM4132AMF-3.0/NOPB	U18	SOT-23-5	IC VREF SERIES 3V SOT23-5	LM4132AMF-3.0/NOPB	LM4132AMF-3.0/NOPBCT-ND	DK	OK	4.38	1
87	2	LP2985-33DBVR	U2 U3	SOT-23-5	IC REG LDO 3.3V 0.15A SOT23-5	LP2985-33DBVR	296-18476-1-ND	DK	OK	0.8	1
88	1	LTC1482CS8	U12	SO-8	IC TXRX RS485 LOWPWR 8-SOIC	LTC1482CS8#PBF	LTC1482CS8#PBF-ND	DK	OK	4.46	1
89	1	LTC1669	U15	MSOP-8	IC DAC 10BIT R-R I2C 8-MSOP	LTC1669CMS8#PBF	LTC1669CMS8#PBF-ND	DK	OK	4.72	1
90	1	LTC4412	U7	SOT-23-6	IC OR CTRLR SRC SELECT TSOT23-6	LTC4412ES6#TRMPBF	LTC4412ES6#TRMPBFCT-ND	DK	OK	4.26	1
91	1	M24M02-DRMN6TP	U19	SO-8	IC EPROM 2MBIT 1MHZ 8SO	M24M02-DRMN6TP	497-11600-1-ND	DK	OK	6.26	1
92	1	MAN LOG	SW1	SWITCH_EVQPE1_PANASONIC	SWITCH TACTILE SPST-NO 0.05A 12V	EVQ-PE104K	P13593SCT-ND	DK	OK	1.03	1
93	1	MINIASMDC020F-2	F2	1812R2	POLYSWITCH 0.20A RESET FUSE SMD	MINIASMDC020F-2	MINIASMDC020F-2CT-ND	DK	OK	0.57500	10
94	2	MMBZ5V6ALT1	TVS2 TVS3	SOT-23	TVS ZENER DUAL 24W CA 5.6V SOT23	MMBZ5V6ALT1G	MMBZ5V6ALT1GOSCT-ND	DK	OK	0.32	1
95	1	NORTHERN WIDGET LOGO	LOGO2	NWLOGO	BAR CODE FIELD - NOT A PART	N/A	N/A	N/A	N/A	N/A	N/A
96	1	OSHW_FILLX200	OSHW1	OSHW_FILLX200_NOTEXT_N1	BAR CODE FIELD - NOT A PART	N/A	N/A	N/A	N/A	N/A	N/A
97	1	OSTVN03A150	J4	MOLEX-6373-3	CONN TERM BLOCK 2.54MM 3POS PCB	OSTVN03A150	ED10562-ND	DK	OK	1.06	1
98	1	PJ-102A	J2	PCOAX-PJ-102A	CONN JACK POWER 2.1MM PCB	PJ-102A	CP-102A-ND	DK	OK	1.34	1
99	1	PPPC061LFBN-RC	J6	HEADER-6X1	Connector Header 6 Position 0.100	PPPC061LFBN-RC	S7039-ND	DK	OK	0.94	1
100	1	RESET	SW2	SWITCH_EVQPE1_PANASONIC	SWITCH TACTILE SPST-NO 0.05A 12V	EVQ-PE104K	P13593SCT-ND	DK	OK	1.03	1
101	1	RX	D3	LED-1206	LED RED ORANGE CLEAR 1206 SMD	LTST-C150EKT	160-1168-6-ND	DK	OK	0.48	1
102	1	SER. NUM.	SN1	STATIC-0.25"	BAR CODE FIELD - NOT A PART	N/A	N/A	N/A	N/A	N/A	N/A
103	1	SF1	D1	LED-1206	LED GREEN CLEAR 1206 SMD	LTST-C150KGKT	160-1404-1-ND	DK	OK	0.52	1
104	1	SMAJ4737A-TP	ZD1	SMA-DIODE	DIODE ZENER 7.5V 1W DO214AC	SMAJ4737A-TP	SMAJ4737A-TPMSCT-ND	DK	OK	0.66	1
105	2	SN74AHC1G14DBVR	U9 U10	SOT-23-5	IC SCHMITT-TRG INV GATE SOT23-5	SN74AHC1G14DBVR	296-1092-1-ND	DK	OK	0.66	1
106	2	SN74LVC1G08DBVR	U16 U21	SOT-23-5	IC GATE AND 1CH 2-INP SOT-23-5	SN74LVC1G08DBVR	296-11601-1-ND	DK	OK	0.66	1
107	1	SN74LVC1G125DBVR	U8	SOT-23-5	IC BUS BUFF TRI-ST N-INV SOT23-5	SN74LVC1G125DBVR	296-11603-1-ND	DK	OK	0.52	1
108	1	SN74LVC1G126DBVR	U11	SOT-23-5	IC BUS BUFF TRI-ST N-INV SOT23-5	SN74LVC1G126DBVR	296-11605-1-ND	DK	OK	0.52	1
109	2	SN74LVC1G3157	U17 U23	SOT-23-6	IC SWITCH SPDT SOT23-6	SN74LVC1G3157DBVR	296-14908-1-ND	DK	OK	0.52	1
110	1	TBD	FB1	1206N2	*	*	*	*	*	*	*
111	1	TMP101	U14	SOT-23-6	IC TEMP SENSOR DIGITAL SOT-23-6	TMP101NA/250	296-12750-1-ND	DK	OK	3.66	100
112	1	TSW-102-07-L-S	JP6	HEADER-2X1	CONN HEADER 2POS .100" SGL GOLD	TSW-102-07-L-S	SAM1031-02-ND	DK	OK	0.95	1
113	1	TX	D2	LED-1206	LED RED CLEAR 1206 SMD	LTST-C150CKT	160-1167-1-ND	DK	OK	0.52	1
114	1	TZ5.6V	D5	SMB-DIODE	DIODE ZENER 3W 5.6V SMB	1SMB5919BT3G	1SMB5919BT3GOSCT-ND	DK	OK	*	*
115	1	USBLC6-2	TVS1	SOT-23-6	IC ESD PROTECTION FOR HS SOT-23-6	USBLC6-2SC6Y	497-11882-1-ND	DK	OK	1.046	10
116	1	VBE	JP5	HEADER-2X1	CONN HEADER 2POS .100" SGL GOLD	TSW-102-07-L-S	SAM1031-02-ND	DK	OK	0.95	1
117	1	VREF SEL	SP1	SOLDERPAD-2WAY	*	*	*	*	*	*	*
118	1	VUSB	TP3	TESTPOINT-2	PCB Primitive - Not a part	N/A	N/A	N/A	N/A	N/A	N/A
119	1	microSMD050	F1	1210N2	POLYSWITCH 0.50A RESET FUSE SMD	MICROSMD050F-2	MICROSMD050FCT-ND	DK	OK	0.575	10