

A314 Bill Of Materials

Mfg. part #	Mfg.	Digi-Key part #	Part	Amount	Description
Resistors					
RC0805FR-0710K2L	Yageo	311-10.2KCRCT-ND	R1	1	RES SMD 10.2K OHM 1% 1/8W 0805
RC0805JR-071KL	Yageo	311-1.0KARCT-ND	R10,16,22	3	RES SMD 1K OHM 5% 1/8W 0805
EXB-V8V470JV	Panasonic Electronic Components	Y4470CT-ND	R11,12,13,14	3	RES ARRAY 4 RES 47 OHM 1206
RMCF0805JT68R0	Stackpole Electronics Inc	RMCF0805JT68R0CT-ND	R15	1	RES 68 OHM 5% 1/8W 0805
RC0805FR-0734KL	Yageo	311-34.0KCRCT-ND	R2	1	RES SMD 34K OHM 1% 1/8W 0805
RC0805FR-07143KL	Yageo	311-143KCRCT-ND	R20	1	RES SMD 143K OHM 1% 1/8W 0805
RC0805FR-071M33L	Yageo	311-1.33MCRCT-ND	R21	1	RES SMD 1.33M OHM 1% 1/8W 0805
RMCF0805JT3K90	Stackpole Electronics Inc	RMCF0805JT3K90CT-ND	R3,4,17,18	4	RES 3.9K OHM 5% 1/8W 0805
RMCF0805JT10K0	Stackpole Electronics Inc	RMCF0805JT10K0CT-ND	R5,6,7,8,9,19	6	RES 10K OHM 5% 1/8W 0805

Capacitors					
CL21B104KACNNNC	Samsung Electro-Mechanics	1276-1099-1-ND	C generic	42	CAP CER 0.1UF 25V X7R 0805
C4532X5R1E226M250KA	TDK Corporation	445-1444-1-ND	C2,5,6,10,16,17,18	7	CAP CER 22UF 25V X5R 1812
GRM21BR60G336ME15L	Murata Electronics	490-16621-1-ND	C50,51,52,53	4	CAP CER 33UF 4V X5R 0805

Inductors					
744062001	Würth Elektronik	732-3670-1-ND	L1	1	FIXED IND 1UH 4.8A 14 MOHM SMD
7440650022	Würth Elektronik	732-1055-1-ND	L2	1	FIXED IND 2.2UH 6.2A 15 MOHM SMD

Connectors & other HW					
BAT-HLD-001-THM	Linx Technologies Inc.	BAT-HLD-001-THM-ND	BAT1	1	BATTERY RETAINER COIN PC PIN
SSW-128-02-S-D-RA	Samtec Inc.	SAM1218-28-ND	CNY1	1	CONN RCPT 56POS 0.1 GOLD PCB R/A
76342-320LF	Amphenol ICC (FCI)	609-5996-ND	RP1	1	CONN RCPT 40POS 0.1 GOLD PCB
PRPC001SAAN-RC	Sullins Connector Solutions	S1011EC-01-ND	INT2	1	CONN HEADER VERT 1POS
M20-9980245	Harwin Inc.	952-2119-ND	JMPB3	1	CONN HEADER VERT 4POS 2.54MM
SPC02SYAN	Sullins Connector Solutions	S9001-ND	JUMPER	3	CONN JUMPER SHORTING GOLD FLASH
0022112026	Molex	WM19460-ND	ACT.LED	1	CONN HEADER VERT 2POS 2.54MM
0797580015	Molex	WM15725-ND	LED cbl.C	2	KK 8500113, 22 AWG,UL1061,300MM
0022013027	Molex	900-0022013027-ND	LED cn	1	CONN HOUS 2POS .100 W/RAMP/RIB

Semiconductors					
SSL-LXA228SYC	Lumex Opto/Components Inc.	67-1139-ND	LED	1	LED YELLOW CLEAR AXIAL T/H AXIAL
MMBT4401LT1G	ON Semiconductor	MMBT4401LT1GOSCT-ND	T1	1	TRANS NPN 40V 0.6A SOT23

Integrated circuits					
SN74CBT16244CDLR	Texas Instruments	296-19177-1-ND	IC1,2,3	3	IC SWITCH BUS 16BIT FET 48-SSOP
CAT24C512WI-GT3	ON Semiconductor	CAT24C512WI-GT3OSCT-ND	IC10	1	IC EEPROM 512K I2C 1MHZ 8SOIC
TPS63020DSJR	Texas Instruments	296-36491-1-ND	IC11	1	IC REG BCK BST ADJ 3.5A 14VSON
IS61WV51216BLL-10TLI	ISSI, Integrated Silicon Solution Inc	706-1107-ND	IC4	1	IC SRAM 8M PARALLEL 44TSOP II
10M08SCE144C8G	Intel	544-3070-ND	IC5	1	IC FPGA 101 I/O 144EQFP
DS3231MZ/V+	Maxim Integrated	DS3231MZ/V+-ND	IC6	1	IC RTC CLK/CALENDAR I2C 8-SOIC
TPS565208DDCR	Texas Instruments	296-48755-1-ND	IC7	1	IC REG BUCK ADJ 5A TSOT23-6
NB3N502DG	ON Semiconductor	NB3N502DGOS-ND	IC8	1	IC CLK MULTIPLIER PLL 8-SOIC
TPS73643DBVR	Texas Instruments	296-17498-1-ND	IC9	1	IC REG LINEAR 4.3V 400MA SOT23-5