

## DC1633B BOM

DATE: 08-13-2014

Item	Quantity	Reference	Description	Value	Package	Manufacturer Part Number
1	16	C1,C2,C3,C4,C5,C6,C8,C9,C10, C11,C12,C13,C14,C19,C27,C34	CAP CER 10NF 25V 10% X7R 0603	10nF	C0603_BOX	Murata: GRM188R71E103KA01D
2	9	C7,C15,C16,C17,C18,C26,C28,C29,C33	CAP CER 100NF 16V 10% X7R 0603	100nF	C0603_BOX	Murata: GRM188R71C104KA01D
3	3	C20,C21,C25	CAP CER 1UF 16V 10% X7R 0603	1uF	C0603_BOX	Murata: GRM188R71C105KA12D
4	1	C22	CAP CER 22UF 25V 10% X5R 1210	22uF/25V	C1210_BOX	Murata: GRM32ER61E226KE15L
5	2	C23,C24	CAP CER 10UF 16V 10% X5R 0805	10uF/16V	C0805_BOX	Murata: GRM21BR61C106KE15L
6	0	C30,C31,C32 (OPT.)	CAP CER 100NF 16V 10% X7R 0603	100nF	C0603_BOX	
7	3	LED1,LED2,LED3	LED-DUAL-COLOR_1.6X0.8MM	BLUE-RED	1.6X0.8mm	Kingbright: APHB1608QBDSURKC
8	2	LED4,LED5	LED GREEN SS TYPE BRIGHT SMD	GREEN	CHIPLED_0603	Panasonic: LNJ326W83RA
9	3	Q1,Q2,Q3	MOSFET NCH DUAL 60V 180MA	2N7002DWA	SOT-363	Diodes Inc: 2N7002DWA-7
10	1	R1	RES 60.4K OHM 0.1W 0.1% ±25ppm 0603 SMD	60.4k	R0603_BOX	Panasonic: ERA-3AEB6042V
11	5	R2,R3,R4,R5,R6	RES 20.0K OHM 0.1W 0.1% ±25ppm 0603 SMD	20.0k	R0603_BOX	Panasonic: ERA-3AEB203V
12	6	R7,R8,R9,R10,R11,R12	RES 10.0K OHM 0.1W 0.1% ±25ppm 0603 SMD	10.0k	R0603_BOX	Panasonic: ERA-3AEB103V
13	8	R13,R14,R41,R42,R44,R55,R56, R57	RES 10K OHM 0.1W 1% 0603 SMD	10K	R0603_BOX	VISHAY: CRCW060310K0FKEA
13	2	R15,R16	RES 402K OHM 0.1W 1% 0603 SMD	402k	R0603_BOX	VISHAY: CRCW0603402KFKEA
14	5	R17,R18,R61,R63,R65	RES 200K OHM 0.1W 1% 0603 SMD	200k	R0603_BOX	VISHAY: CRCW0603200KFKEA
15	3	R19,R20,R21	RES 604K OHM 0.1W 1% 0603 SMD	604k	R0603_BOX	VISHAY: CRCW0603604KFKEA
16	6	R22,R23,R24,R62,R64,R66	RES 100K OHM 0.1W 1% 0603 SMD	100k	R0603_BOX	VISHAY: CRCW0603100KFKEA
17	4	R25,R27,R29,R48	RES 3.0K OHM 0.1W 1% 0603 SMD	3k	R0603_BOX	VISHAY: CRCW06033K00JNEA
18	6	R26,R28,R30,R46,R58,R59	RES 1.0K OHM 0.1W 1% 0603 SMD	1k	R0603_BOX	VISHAY: CRCW06031K00JNEA
19	0	R31,R32,R33,R49,R51,R53 (OPT.)	RESISTOR (OPTIONAL)	0 ohm	R0603_BOX	
20	8	R34,R35,R36,R37,R38,R50, R52,R54	RES ZERO OHM 0.1W 0603 SMD	0 ohm	R0603_BOX	VISHAY: CRCW06030000Z0EA
21	2	R39,R40	0 ohm Resistor Array, 4 RES, 1206	R_ARRAY_4X	1206	Panasonic: EXB-38VR000V
22	1	R43	RES 49.9K OHM 0.1W 1% 0603 SMD	49.9k	R0603_BOX	VISHAY: CRCW060349K9FKEA
23	1	R45	RES 249 OHM 0.1W 1% 0603 SMD	249	R0603_BOX	VISHAY: CRCW0603249RFKEA
24	1	R47	RES 9.31K OHM 0.1W 1% 0603 SMD	9.31k	R0603_BOX	VISHAY: CRCW06039K31FKEA
25	1	R60	RES 1.50K OHM 0.1W 1% 0603 SMD	1.5k	R0603_BOX	VISHAY: CRCW06031K50JNEA
26	1	J1	CONN HEADER 12POS 2MM STR DL PCB	CONN_DC1613		FCI: 98414-G06-12ULF
27	1	J2	Power Jack from CUI Inc. PJ-002A	PJ-002A		CUI Inc: PJ-002AH
28	6	JP1,JP2,JP3,JP4,JP5,JP6	2MM PIN HEADER 1X3	PINHD-1X3	1X03-2mm	Sullins: NRPN031PAEN-RC
29	1	JP7	2MM PIN HEADER 1X4	PINHD-1X4-2MM	1X04-2mm	Sullins: NRPN041PAEN-RC
30	4	MH1,MH2,MH3,MH4	SPACER STACKING #4 SCREW NYLON	STANDOFF		Keystone: 8831
31	2	SW1,SW2	SWITCH TACTILE BLK SPST-NO 0.05A 12V	SWITCH_PTS635	SWITCH_PTS635	C&K: PTS635SL25SMTR LFS
32	18	TP1-TP18	Large Test Point	TESTPOINT_BIG		Mill Max: 2501-2-00-80-00-00-07-0
33	1	TP19	Small Test Point (VREF)	TESTPOINT_SMALL		Mill Max: 2308-2-00-80-00-00-07-0
34	1	U1	Programmable Hex Voltage Supervisor with EEPR(LTC2933	LTC2933	SSOP16	Linear: LTC2933CGN#PBF
35	1	U2	IC ADC 24BIT DELTA SIGMA 16-CH WITH I2C	LTC2499	QFN38_5X7	Linear: LTC2499CUHF#PBF
36	1	U3	IC OPAMP DUAL MICROPOWER	LTC6078	MSOP8	Linear: LTC6078CMS8
37	1	U4	IC DAC 12BIT OCTAL WITH I2C	LTC2637	MSOP16	Linear: LTC2637CMS-HMX12
38	1	U5	IC VREF SERIES PRECISION REFERENCE	LT6654	SOT-23-6	Linear: LT6654AMPS6-4.096
39	1	U6	FIXED 5V 100mA MICROPOWER LDO	LT1761-5	TSOT-23-5	Linear: LT1761ES5-5#PBF
40	1	U7	2Kbit I2C Serial EEPROM	24AA02	SOT-23-5	Microchip: 24AA02T-I/OT
41	1	U8	Dual 4A Ideal Diodes with Adjustable Current LimiLTC4415IMSE	LTC4415IMSE	MSOP16_EXP	Linear: LTC4415IMSE#PBF

TOTAL 141