

# Component list

BMD-300-Eval

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Project:

Version:

BMD-300-Eval.PrjPcb

BMD-300-Eval

vB



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#	Part Number	Description	Value	Manufacturer	Manufacturer P/N	Supplier 1	Supplier Part Number 1	Designator	Quantity
1	100-00005	XTAL, 2Pin, 32.768kHz, 7pF 20ppm		Abracon LLC	ABS07-32.768KHZ-7-T	Digi-Key	535-9543-1-ND	X1	1
2	100-00013	12MHz ±30ppm Crystal 18pF		TXC CORPORATION	7M-12.000MAAJ-T	Digi-Key	887-1121-1-ND	X2	1
3	110-00008	DIODE SCHOTTKY 20V 500MA SOD123		Fairchild Semiconductor	MBR0520L	Digi-Key	MBR0520LCT-ND	D8, D9, D10	3
4	110-00018	LOW-CAPACITANCE 3-CHANNEL ESD-		Texas Instruments	TPD3E001DRLR	Digi-Key	296-21885-1-ND	D7	1
5	110-00019	ESD9B3.3ST5G		ON Semiconductor	ESD9B3.3ST5G	Digi-Key	ESD9B3.3ST5GOSCT-ND	D1, D2, D3, D4	4
6	115-00019	LED GREEN CLEAR 0603 SMD		Lite-On Inc	LTST-C190KGKT	Digi-Key	160-1435-1-ND	D5, LED3, LED4	3
7	115-00020	LED RED CLEAR 0603 SMD		Lite-On Inc	LTST-C191KRKT	Digi-Key	160-1447-1-ND	D6, LED1, LED2	3
8	130-00008	USB Micro B Receptacle, Right Angle, SMT with 2 TH		FCI	10118193-0001LF	Digi-Key	609-4616-1-ND	J4	1
9	130-00099	CON HDR 0.05" 10Pin 2Row SMD Black		Samtec	FTSH-105-01-F-DV-K	Digi-Key	SAM8796-ND	J3	1
10	130-00098	CON FFC/FPC 0.50mm 5Pos R/A		Molex Inc	0512810594	Digi-Key	WM9836CT-ND	J1	1
11	130-00101	Con Socket Strip 0.1" 10Pin 1Row SMD		Sullins Connector Solutions	NPPC101KFXC-RC	Digi-Key	S5641-ND	J6, J9	2
12	130-00102	Con Socket Strip 0.1" 8 Pin 1Row SMD		Sullins Connector Solutions	NPPC081KFXC-RC	Digi-Key	S5639-ND	J5, J7	2
13	130-00103	Con Socket Strip 0.1" 6Pin 1Row SMD		Sullins Connector Solutions	NPPC061KFXC-RC	Digi-Key	S5637-ND	J8	1
14	130-00104	Header 0.1" 6 Pin 2 Row SMD Black		Molex Inc	0015912060	Digi-Key	WM17449-ND	J11	1
15	130-00105	Header, 0.100" Pitch, 3 Pin, Vertical SMT		Harwin Inc	M20-8770342	Digi-Key	952-1951-ND	J22, J23	2
16	135-00002	Tactile Switch, SPST-NO, SMT 160gf.		C&K Components	PTS645SM43SMTR92 LFS	Digi-Key	CKN9112CT-ND	SW1, SW2, SW3, SW4, SW5	5
17	137-00006	SWITCH SLIDE DPDT 300MA 6V SMD		C&K Components	JS202011SCQN	Digi-Key	401-2002-1-ND	SW6	1
18	140-00019	Mosfet, Dual, N-Channel and P-Channel Pair, 20V		Diodes Incorporated	DMC2990UDJ-7	Digi-Key	DMC2990UDJ-7DITR-ND	Q1	1
19	180-00020	Resistor 0 ohm 1/16W 0402	0	Rohm Semiconductor	MCR01MRTJ000	Digi-Key	RHM0.0CECT-ND	R1, R2	2
20	200-00028	IC MCU 32BIT 128KB FLASH 100LQFP		Atmel	ATSAM3U2CA-AU	Digi-Key	ATSAM3U2CA-AU-ND	U2	1
21	205-00011	Bluetooth 4.2 LE SoM, 512kB Flash, 64kB RAM,		Rigado	BMD-300-A	Digi-Key	1604-1006-1-ND	U1	1
22	260-00024	IC REG LDO 3.3V 0.3A SOT23-5		Diodes Incorporated	AP2127K-3.3TRG1	Digi-Key	AP2127K-3.3TRG1DICT-ND	U3	1
23	120-00016	Cap, Ceramic 0.1uF 10V 10% X5R 0402	0.1uF	Murata Electronics North America	GRM155R61A104KA01J	Digi-Key	490-6297-1-ND	C6, C7, C8, C9, C13, C14, C15, C16, C17, C18, C19, C23, C24, C25, C26, C28	16
24	120-00017	Cap, Ceramic, 1.0uF 10V 10% X5R, 0402	1.0uF	Murata Electronics North	GRM155R61A105KE15D	Digi-Key	490-3890-1-ND	C29, C30	2
25	180-00021	Resistor 1k ohm 1% 1/16W, 0402	1k	Rohm Semiconductor	MCR01MRTF1001	Digi-Key	RHM1.00KCDCT-ND	R14, R17, R22, R24	4
26	180-00121	RES SMD 4.7K OHM 1% 1/16W 0402	4.7k	Samsung Electro-Mechanics	RC1005F472CS	Digi-Key	1276-3466-1-ND	R9, R10, R11, R16	4
27	120-00032	Cap, Ceramic 4.7uF 16V 10% X5R 0603	4.7uF	Samsung Electro-Mechanics	CL10A475KO8NNNC	Digi-Key	1276-1784-1-ND	C1	1
28	120-00048	Cap, Ceramic 6pF 50V NP0 0402 Tolerance = +/-0.5pF	6pF	Murata Electronics North	GRM1555C1H6R0DA01D	Digi-Key	490-5877-1-ND	C4, C5	2
29	180-00068	Resistor 6.8k ohm 1%, 1/16W, 0402	6.8k	Rohm Semiconductor	MCR01MRTF6801	Digi-Key	RHM6.8KCDCT-ND	R15	1
30	180-00024	Resistor 10k ohm 1% 1/16W, 0402	10k	Rohm Semiconductor	MCR01MRTF1002	Digi-Key	RHM10.0KCDCT-ND	R12, R13, R18, R26	4
31	120-00084	CAP CER 10000PF 16V X7R 0402	10nF	Samsung Electro-Mechanics	CL05B103KO5NNNC	Digi-Key	1276-1051-1-ND	C22	1
32	120-00065	Cap, Ceramic, 10pF 50V 5% NPO 0402	10pF	Murata Electronics North	GRM1555C1H100JA01D	Digi-Key	490-5921-1-ND	C10	1
33	120-00024	Cap, Ceramic 10uF 10V 20% X5R 0603	10uF	Murata Electronics North	GRM188R61A106ME69D	Digi-Key	490-10475-1-ND	C20, C21, C27	3
34	120-00041	Cap, Ceramic 18pF 50V 5% NP0 0402	18pF	Murata Electronics North	GRM1555C1H180JA01D	Digi-Key	490-5858-1-ND	C11, C12	2
35	180-00006	Resistor 27 ohm 5%, 1/10W, 0603	27	Rohm Semiconductor	MCR03ERTJ270	Digi-Key	RHM27CGCT-ND	R23, R25	2
36	180-00056	Resistor 220 ohm 1%, 1/16W, 0402	220	Panasonic Electronic	ERJ-2RKF2200X	Digi-Key	P220LCT-ND	R20, R21	2
37	180-00098	RC1005J221CS	220	Samsung Electro-Mechanics	RC1005J221CS	Digi-Key	1276-4360-1-ND	R5, R6, R7	3
36	180-00109	RES SMD 1 OHM 1% 1/10W 0603	1	Samsung Electro-Mechanics	RC1608F1R0CS	Digi-Key	1276-4471-1-ND	RSHD,RBMD	2
39	120-00099	CAP CER 300PF 50V NP0 0402	300pF	Murata Electronics North	GRM1555C1H301JA01D	Digi-Key	490-3234-1-ND	C2, C3	2
40	180-00031	Resistor 499 ohm 1%, 1/16W, 0402	499	Rohm Semiconductor	MCR01MRTF4990	Digi-Key	RHM499CDCT-ND	R3, R4, R8	3
41	Bat Holder	Bat Holder CR2032 SMD	Bat Holder	Harwin Inc	S8211-46R	Digi-Key	952-1735-1-ND	Bat1	1

Approved

Notes

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