

Qty.	Blackboard P/N	Description	Manufacturer	Manufacturer P/N	Reference Designator
1	044-039-198	PWB, DR5000 CARRIER, REVISION D			
1	044-007-055	1 X 5 CONNECTOR 0.049	MOLEX	53047-0510	J3
1	044-007-192	CONNECTOR, RF-UFL	HIROSE	U.FL-R-SMT(01)	J7
			HIROSE	U.FL-R-SMT(10)	
1	044-026-020	32.768 KHZ CRYSTAL, SMT 0805 (4pF)	ABRACON	ABS06-107-32.768KHZ-T	Y2
1	044-026-021	CRYSTAL 27.12MHZ SMT-2.0X1.6 (6pF)	MURATA	XRCGB27M120F3A00R0	Y1
			AVX	CX2016DB27120B0HLLC1	
			NDK	NX2520SA-27.120000MHZ	
2	044-207-225	CONNECTOR, RECEPTACLE, 0.4MM, 100-PIN	SAMTEC	SS4-50-3.00-L-D-K	SOM1, SOM2
			SAMTEC	SS4-50-3.00-L-D-K-TR	
1	044-207-226	CONNECTOR TERMINAL/SOCKET COMBO, 0.635mm	SAMTEC	LSS-120-02-F-DV-A	J2
			SAMTEC	LSS-120-02-F-DV-A-K-TR	
1	044-207-227	CONNECTOR FPC, 0.5mm, 10-PIN, DUAL-SIDED	MOLEX	503480-1000	J6
1	044-207-228	RECEPTACLE, 0.4MM, 10-PIN, 1.5MM STACKING HEIGHT	HIROSE	DF40B-10DS-0.4V(51)	J10
1	044-207-229	HEADER, 0.4MM, 10-PIN	HIROSE	DF40C-10DP-0.4V(51)	J1X1
1	044-207-233	CONNECTOR, FPC 25Pos, 0.3mm Pitch	HIROSE	FH35C-25S-0.3SHW(50)	J4
			HIROSE	FH35C-25S-0.3SHW(99)	
1	044-201-122	NFC CONTACTLESS TRANSCEIVER IC	NXP	CLRC66303HN,551	U8
1	044-201-123	MCU PIC32 512KB FLASH, 128KB RAM, QFN-64	MICROCHIP	PIC32MX370F512H-I/MR	U7
				PIC32MX370F512HT-I/MR	
7	044-201-124	VOLTAGE-LEVEL TRANSLATOR, 2-BIT	TI	TXS0102DQER	U10, U11, U12, U13, U15, U17, U18
1	044-201-125	NOR FLASH SERIAL, 3.3V, 2M x 8, 8WSON	MACRONIX	MX25L1606EZNI-12G	U2
			CYPRESS	S25FL116K0XNFI011	
			CYPRESS	S25FL116K0XNFI013	
2	044-201-126	POWER MODULE, ADJ., 4.5V - 24V INPUT, 2 AMP	MONOLITHIC POWER	MPM3620GQV	U3, U4
1	044-201-127	BACKLIGHT LED DRIVER	TI	TPS61161ADRV	U14
			TI	TPS61161ADRV	
1	044-201-128	BLUETOOTH MODULE	CYPRESS	CYBLE-222014-01	U19
1	044-201-129	LDO, 3.3V, 500mA	MICREL	MIC5528-3.3YMT	U6
1	044-201-130	REAL-TIME CLOCK	AMBIQ MICRO	AM0805AQ	U16
1	044-201-131	REFLECTIVE PHOTOINTERRUPTER	SHARP	GP2560	U1
1	044-201-132	CRYPTOAUTHENTICATION DEVICE	ATMEL	ATECC508A-MAHDA-S	U5
			ATMEL	ATECC508A-MAHDA-T	
1	044-201-133	PROXIMITY SENSOR	VISHAY	VCNL4100	U1X1
1	044-202-040	10 OHM RESISTOR, 1206, 1% ROHS	VISHAY	CRCW120610K0FKEA	R61
2	044-202-043	5.1 OHM RESISTOR, 0603, 1%, ROHS	VISHAY	CRCW06035R10FKEA	R21, R22
5	044-202-051	100K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW0402100KFKEA	R14, R17, R18, R59, R60
3	044-202-063	1.21K OHM RESISTOR, 0402, 1% ROHS	VISHAY	CRCW04021K21FKED	R24, R32, R33
4	044-202-064	2.21K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW04022K21FKED	R25, R26, R74, R75

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25	044-202-065	10K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW040210K0FKED	R2, R3, R4, R15, R20, R27, R29, R37, R49, R50, R52, R58, R62, R63, R65, R68, R71, R76, R77, R78, R80, R81, R83, R84, R89
3	044-202-102	0 OHM RESISTOR, 0603, 1%, ROHS	ANY	CRCW06030000Z0EA	R79
3	044-202-103	16.2K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW040216K2FKED	R30, R31, R67
2	044-202-104	19.1K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW040219K1FKED	R9, R19
1	044-202-105	36.5K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW040236K5FKED	R16
1	044-202-106	68.1K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW040268K1FKED	R66
38	044-202-107	91 OHM RESISTOR, 0402, 5%, ROHS	VISHAY	CRCW040291R0FKED	R8, R10, R11, R12, R34, R35, R40, R41, R56, R69, R70, R73, R85, R87, R88, R90, R92, R94, R97, R98, R100, R101, R102, R103, R106, R107, R110, R111, R112, R114, R116, R117, R118, R119, R122, R123, R124, R125
21	044-202-108	150 OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW0402150RFKED	R5, R6, R7, R13, R36, R39, R55, R72, R86, R91, R93, R99, R104, R105, R108, R109, R113, R115, R120, R121, R126
1	044-202-109	90.9K OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW040290K9FKED	R64
1	044-202-110	2.7 OHM RESISTOR, 1206, 1% ROHS	VISHAY	CRCW12062R70FKEA	R1
2	044-202-111	10 OHM RESISTOR, 0402, 1%, ROHS	VISHAY	CRCW040210R0FKED	R95, R96
2	044-202-113	1.6 OHM RESISTOR, 0603, 1%, ROHS		ANY	R23, R28
1	044-203-027	1.0 pF/50V CAPACITOR, 0402, COG, +/-0.25pF, ROHS		GRM1555C1H1R0CA01D	C94
2	044-203-038	22PF/50V CAPACITOR, 0402, COG, 1%, ROHS	MURATA	GRM1555C1H220FA01D	C23, C31
47	044-203-040	0.1UF/16V CAPACITOR, 0402, X7R, 10%, ROHS	MURATA	GRM155R71C104KA88J	C1, C2, C4, C7, C8, C9, C13, C14, C16, C18, C21, C22, C24, C32, C34, C35, C41, C44, C45, C47, C50, C53, C54, C55, C56, C57, C61, C62, C63, C64, C66, C67, C69, C72, C75, C78, C80, C81, C82, C85, C86, C88, C89, C90, C91, C92, C93
1	044-203-048	0.22uF/50V CAPACITOR, 0805, X7R, 1%, ROHS	MURATA	C0805C224K5RACTU	C77
4	044-203-053	10uF/10V CAPACITOR, 0805, X5R, 20%, ROHS	KEMET	GRM219R61A106ME47L	C20, C25, C40, C43
4	044-203-060	100pF/50V CAPACITOR, 0603, COG, 1%, ROHS	MURATA	C0603C101F5GACTU	C26, C29, C33, C38
2	044-203-066	0.47UF/16V CAPACITOR, 0603, X7R, 10%, ROHS	KEMET	GRM188R71C474KA88D	C48, C52
2	044-203-079	270pF/50V CAPACITOR, 0402, COG, 1%, ROHS	MURATA	GRM1555C1H271FA01D	C17, C19
2	044-203-080	1000pF/50V CAPACITOR, 0603, COG, 1%, ROHS	MURATA	GRM1885C1H102JA01D	C42, C46
2	044-203-082	10uF/35V CAPACITOR, 1206, X5R, 20%, ROHS	MURATA	C3216X5R1V106K160AB	C5, C6
			TDK	GRM31CR6YA106KA12L	
			MURATA	GMK316BJ106KL-T	
2	044-203-083	22uF/10V CAPACITOR, 1206, X5R, 20%, ROHS	TAIYO YUDEN	GRM31CR61A226KE19L	C10, C11
			MURATA	C1206C226M8PACTU	
			KEMET	LMK316ABJ226ML-T	
1	044-203-084	4.7uF/50V CAPACITOR, 1206, X7R, 10%, ROHS	TAIYO YUDEN	UMK316AB7475KL-T	C70
			TAIYO YUDEN	12065C475KAT2A	
			AVX	GRM31CR71H475KA12L	
2	044-203-085	10uF/6.3V CAPACITOR, 0603, X5R, 20%, ROHS	MURATA	GRM188R60J106ME47J	C71, C74
			MURATA	C1608X5R0J106M080AB	
			TDK	06036D106MAT2A	
4	044-203-086	2.2uF/10V CAPACITOR, 0603, X7R, 10%, ROHS	AVX	C1608X7R1A225K080AC	C3, C12, C15, C79
			TDK	GRM188R71A225KE15D	
			MURATA	C0603C225K8RACTU	
10	044-203-087	1uF/16V CAPACITOR, 0402, X5R, 10%, ROHS	KEMET	CGB2A1X5R1C105K033BC	C49, C51, C58, C59, C60, C65, C68, C73, C76, C84
			TDK	EMK105BJ105KV-F	

			MURATA	C0402C105M4PAC7867	
1	044-203-088	47PF/50V CAPACITOR, 0402, COG, 1%, ROHS	KEMET	GRM1555C1H470FA01D	C87
1	044-203-089	80mF SUPERCAP, 3.3V	SEIKO	XH414HG-IV01E	C83
2	044-203-090	10pF/50V CAPACITOR, 0603, COG, 1%, ROHS	ANY	ANY	C28, C37
2	044-203-091	56pF/50V CAPACITOR, 0603, COG, 1%, ROHS	ANY	ANY	C27, C36
3	044-204-005	N-CHANNEL MOSFET	DIODES INC	BSS138-7-F	Q5, Q6, Q7
			ON SEMICONDUCTOR	BSS138LT1G	
			LAIRD TECHNOLOGIES	BSS138LT3G	
3	044-204-006	N-CHANNEL MOSFET, 300 mA	ROHM	RUM003N02T2L	Q1, Q3, Q4
1	044-204-007	P-CHANNEL MOSFET, 2.5 A, 30V	DIODES INC	DMG2307L-7	Q2
1	044-205-021	RECTIFIER, SCHOTTKY , 0.5A, 40 VOLTS	ON SEMICONDUCTOR	MBR0540T1G	D1
			ON SEMICONDUCTOR	MBR0540T3G	
1	044-209-006	3.9nH +/-0.3nH INDUCTOR, 0402	MURATA	LQP15MN3N9B02D	L5
			MURATA	LQP15MN3N9B02J	
1	044-209-011	2.7nH +/-0.3nH INDUCTOR, 0402	MURATA	LQP15MN2N7B02D	L4
			MURATA	LQP15MN2N7B02J	
1	044-209-016	CHIP ANTENNA, 2.4 GHZ	JOHANSON TECH	2450AT18B100E	ANT1
2	044-209-030	560 nH INDUCTOR, +/- 5%, 450 mA	NLV32T-R56J	NLV32T-R56J-EF	L1, L2
1	044-209-031	22 UH INDUCTOR, +/- 20%, 650 mA	COILCRAFT	LPS4018-223MRB	L3
1	044-209-032	COMMON MODE FILTER, MIPI 3-LANE	ON SEMI	EMI8143MUTAG	U9
19	044-211-011	LED,RGB SIDE VIEW	ROHM	MSL0104RGBU1	DS1, DS2, DS3, DS4, DS5, DS6, DS7, DS8, DS9, DS10, DS11, DS12, DS13, DS14, DS15, DS16, DS17, DS18, DS19
1	044-215-001	FERRITE, 1.80 OHM, 0805	LAIRD TECHNOLOGIES	HI0805Q310R-10	FB1
5	044-215-003	FERRITE, 33 OHM @ 100MHz, 0402	MURATA	BLM15BA330SN1D	FB2, FB3, FB4, FB5, FB6
2	044-215-006	FERRITE, 330 OHM @ 100 MHz, 250mA, 0402	TDK	MMZ1005Y301CT000	FB7, FB8
	NOT INSTALLED				SW1,SW2
	NOT INSTALLED				J1, J5, J8, J9
	NOT INSTALLED				C27, C28, C29, C30, C36, C37, C38, C39
	NOT INSTALLED				R38, R42, R43, R44, R45, R46, R47, R48, R51, R53, R54, R57, R82

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