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Board: Bill of Materials For Project [megachain.PrjPCB] (No PCB Doc c Morgan Quigley, Open Source Robotics Foundation

morgan@osrfoundation.org	inuation						
650-796-4881							
-							
Designator	Quantity	Value	Footprint	digikey	Mouser	Manufacturer	Manufacturer Part Number
C1, C2, C3, C4, C5A, C5B, C5C, C5D, C5E,							
C6A, C6B, C6C, C6D, C6E, C10A, C10B, C10C,							
C10D, C10E, C11A, C11B, C11C, C11D, C11E,							
C13, C14, C15, C24, C25, C35, C47, C52, C57,							
C67, C77, C78, C80, C101, C102, C103, C104,							
C105, C106, C126, C127, C131, C136		7 100n	GENERIC_0402	445-7348		TDK	C1005X7R1E104K050BB
C7, C12, C51, C56		4 22u	GENERIC_0805 GENERIC_1206	445-6797		TDK	C2012X5R1C226K125AC
C8A, C8B, C8C, C8D, C8E C9A, C9B, C9C, C9D, C9E, C28, C30, C62		5 100u 3 10u	GENERIC_1206	445-6007 445-6853		TDK	C3216X5R1A107M160AC C1608X5R1A106M080AC
231, 230, 230, 230, 231, 220, 220, 230, 202	<u> </u>	3 100	GENTERIC_0005	445 0035		TOIL TOIL	CIGGOSTATICIONICOCOTE
C16	1	1 100u	electrolytic_8mm_th	DNP		DNP	DNP
C17, C18		2 12p	GENERIC_0402	445-1236		TDK	C1005C0G1H120J050BA
C19, C55, C93, C107, C123, C132, C142		7 4u7	GENERIC_0402	445-8023		TDK	C1005X5R1A475M050BC
C20, C22, C23, C82, C83, C84, C95, C100,							
C111, C112, C114, C116, C137, C138		4 10n	GENERIC_0201	445-6843		TDK	C0603X7R1A103K030BA
C21, C66	- 4	2 2u2	GENERIC_0402	445-8023		TDK	C1005X5R1A475M050BC
C26, C27, C29, C31		4 680u	electrolytic_8mm_th	DNP		DNP	DNP
C32, C34, C94, C110, C125, C134, C144		7 1u	GENERIC_0402	445-4978		TDK	C1005X5R1C105K050BC
			CAPC0402(1005)60_				
C36, C37	3	2 4u7	N	445-8023		TDK	C1005X5R1A475M050BC
C85, C86, C87, C88, C89, C90, C117, C118,							
C119, C120, C121, C128, C129, C130, C139,							
C140, C141		7 100n	GENERIC_0201	445-7313		TDK	C0603X5R1C104K030BC
C91, C92, C96, C99, C113, C115		5 10n	GENERIC 0402	445-1260	+	TDK	C1005X7R1E103K050BB
C97, C108, C124, C133, C143		5 47u 3 220u	GENERIC_0805 GENERIC_1210	445-8239 1276-3375		TDK Samsung	C2012X5R1A476M125AC CL32A227MQVNNNE
C98, C109, C135 D5, D8		2 220u	GENERIC_1210 GENERIC_0603	1276-3375 160-1183		Lite-On	LTST-C190GKT
D6, D7			SOD323F	568-4138		NXP	PMEG6010CEJ,115
F1, F2, F3, F4, F5, F6		5	fiducial_circle				
FB1A, FB1B, FB1C, FB1D, FB1E, FB2A, FB2B,							
FB2C, FB2D, FB2E, FB5, FB6, FB10	13	3 220	GENERIC_0603	445-1565		TDK	MPZ1608S221ATA00
J1			stewart_SI-60159-F	DNP		DNP	DNP
J2, J9		2	HDR2X10	DNP		DNP	DNP
J3A, J3B, J3C, J3D, J3E	١.,	_	usb_ra_thmolex_6			DND	DND
J3A, J3B, J3C, J3D, J3E	-	5	76430910 JAE_DX4R005HJ5R20	DNP		DNP	DNP
14		1	00	670-2674	656-DX4R005HJ5R2000	JAE	DX4R005HJ5R2000
-							
J5	1	1	50MIL_TH_VERT_5X2	DNP		DNP	DNP
			50MIL_TH_VERT_3P				
J6	1	1	OS	DNP		DNP	DNP
			100mil_th_ra_4x1_s				
J7A, J7B, J7C, J7D, J7E		5		DNP		DNP	DNP
J8, J12		,	MICROFIT_TH_RA_2 POS_FLAG	DNP		DNP	DNP
J10		1	HDR1X2	DNP		DNP	DNP
J11		1	HDR2X5	DNP		DNP	DNP
J13		1	HDR1X3	DNP		DNP	DNP
L1, L3	- 2	2 1uH	NRS2012	587-3448		Taiyo Yuden	NRS2012T1R0NGJ
R2, R6		2 6k49	GENERIC_0402	541-6.49KL		Vishay	CRCW04026K49FKED
R3, R4, R5, R65, R66, R67	- 6	5 1k	GENERIC_0402	541-1.00KL		Vishay	CRCW04021K00FKED
R7A, R7B, R7C, R7D, R7E, R10A, R10B, R10C,			CENTENIC 0402	544 27 01		Version .	CDC/AVOA0227D0F/FD
R10D, R10E R8A, R8B, R8C, R8D, R8E, R9A, R9B, R9C,	- 10	0 27	GENERIC_0402	541-27.0L		Vishay	CRCW040227R0FKED
R9D, R9E, R21, R62, R69, R70, R71	10	5 10k	GENERIC_0402	541-10.0KL		Vishay	CRCW040210K0FKED
R11A, R11B, R11C, R11D, R11E, R37A, R37B,	1	201	32.12.110_0402	5 .1 10.0AL			
R37C, R37D, R37E	10	15k	GENERIC_0402	541-15.0KL		Vishay	CRCW040215K0FKED
R12, R47, R48		3 4k7	GENERIC_0402	541-4.70KL		Vishay	CRCW04024K70FKED
R13, R14, R15, R16, R20, R22	- 6	5 220	GENERIC_0402	541-220L		Vishay	CRCW0402220RFKED
R17		1 1M	GENERIC_0805	541-1.00MC		Vishay	CRCW08051M00FKEA
R19		1 2k	GENERIC_0402	541-2.00KL		Vishay	CRCW04022K00FKED
R25, R29, R33		3 150k	GENERIC 0402	541-150KL	+	Vishay	CRCW0402150KFKED
R31		1 26k / 1 124k	GENERIC_0402 GENERIC_0402	541-26.7KL 541-124KL		Vishay	CRCW0402124KFKED CRCW0402124KFKED
R35		1 37k4	GENERIC_0402	541-37.4KL		Vishay	CRCW0402124KFKED
R68		1 0	GENERIC_0402	541-0.0J		Vishay	CRCW04020000Z0ED
			EVQ-			·	
			P7A01P_button_smt				
S1, S2		2	_ra	P16763		Panasonic	EVQ-P7A01P
l			ALTR-FBGA256_A-			l	
U1	1	2	155 KSZ8081RNX	544-3001 576-4177	+	Altera Micrel	SCEBA4F17C8N KSZ8081RNDCA
U2, U4 U3		1	stm32f411xy	497-14907		ST Micro	STM32F411CEU6
		1	JUIIJEITIIAY	-57-14507		J. IVIICIO	5.1.5214110100
U5	1	1	OSCILLATOR_3.2x2.5	535-12039		Abracon	ASTX-H11-25.000MHZ-T
U6		1	artesyn_asa	DNP		DNP	DNP
U7A, U7B, U7C, U7D, U7E	į	5	ap255x	AP2553W6-7DI		Diodes Inc	AP2553W6-7
U15		1	ADP5023	ADP5023ACPZ-R7		Analog Devices	ADP5023ACPZ-R7
U17A, U17B, U17C, U17D, U17E		5	usb1t1103_mlp14	USB1T1103MPX		Fairchild	USB1T1103MPX
U20		1	N25Q_6x8mm	557-1561		Micron	N25Q128A13EF840E
X1		1	CRYSTAL_2_2.5	535-10923		Abracon	ABM10-16.000MHZ-D30-T3