	TORS				
SEMICONDUCT VALUE	DESIGNATOR	QTY	DESCRIPTION		MOUSER PART#
N457	D1, D2, D4, D6, D7, D8, D10, D11, D13, D15, D16, D17	12		512-1N457	
	013, 010, 017				
VALUE	DESIGNATOR	QTY	DESCRIPTION		MOUSER PART#
7000pF	C1, C3, C5, C7		CERAMIC 5MM LS	581-SA105E473MAR	MOOLITI ATTI
.7uF	C01, C02	2	TANTALUM AXIAL	74-173D475X9035WWE3	
RESISTORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION		MOUSER PART#
7K M7	R1, R2, R4, R5, R19, R20, R22, R23 R3, R16, R21, R34		5% 1/4W 5% 1/4W	291-47K-RC 291-4.7M-RC	
9K9 1%	R6, R7, R8, R9, R10, R11, R12, R13, R24,			271-49.9K-RC	
	R25, R26, R27, R28, R29, R30, R31		1% 1/4W		
00K 0K	R14, R17, R32, R35 R15		5% 1/4W 5% 1/4W	291-100K-RC 291-10K-RC	
K5	R18, R36		5% 1/4W	291-1.5K-RC	
K7	R37		5% 1/4W	291-4.7K-RC	
R2	R01, R02	2	5% 1/2W	293-2.2-RC	
310K	POT1, POT2, POT3, POT4, POT5, POT6,	8	16MM POTENTIOMETER	http://smallbear-electronics.mybigco	mmerce.com/alpha-single-gang-16mm-right-angle-pc-mou
50K	POT7, POT8 POT9, POT10		9MM POTENTIOMETER		mmerce.com/alpha-single-gang-9mm-right-angle-pc-mour
	1 010,1 0110		SIMINIT OTENTIONIETER	mtp.//smallbear electronies.myblgee	minerec.com/alpha single gang shim ngin angle pe mour
MISC	DECIONATOR	OTV	DECORPTION		MOLICED DADT#
VALUE	DESIGNATOR	QTY 8	DESCRIPTION BANANA JACK BLACK	530-108-0903-1	MOUSER PART#
		4	BANANA JACK ORANGE	530-108-0906-1	
			BANANA JACK RED	530-108-0902-1	
SPDT ON-OFF-ON	SW1, SW2, SW4, SW5		BANANA JACK BLUE TOGGLE SWITCH	530-108-0910-1 611-7103-002	
PDT ON-ON	SW3, SW6, SW7		TOGGLE SWITCH	611-7101-002	
	LED2, LED3, LED6, LED7, LED9		3MM RED LED	630-HLMP-K101	
	LED1, LED4, LED5, LED8 IDC-A, IDC-B		3MM ORANGE LED PLD 26 PIN (MALE)	630-HLMP-K401 517-929836-01-26	
	150 A, 150 B		RED SWITCH CAP	317 323000 01 20	
			YELLOW SWITCH CAP		
			BLACK SWITCH CAP POWER CONNECTOR	587-306-50-010	
			ROGAN KNOBS SET		-cases-and-parts/buchla-diy-parts/knob-sets/
		1	FRONTPANEL	http://siddarthianinnovations.bigcart	el.com/product/280-front-panel-for-diy-kit
PCB2&3					
SEMICONDUCT		077/	DECODIDETON		MOUGED DADT!!
VALUE N457	DESIGNATOR D1, D2, D3, D5, D6	QTY 10	DESCRIPTION	512-1N457	MOUSER PART#
L064	IC1, IC5	4		595-TL064IN	
CD4016	IC2, IC6	4		595-CD4016BE	
CD4001 CA3080	IC3, IC7 IC4, IC8	4		595-CD4001BE eBay	
.M741	IC9	2		926-LM741CN/NOPB	
IN5240	Z4, Z7	4		512-1N5240B	
2N3906 J201	Q1A, Q1B, Q4A, Q4B Q2, Q5	8		610-2N3906 106-J201	
N3904	Q3, Q6	4		610-2N3904	
CAPACITORS VALUE	Q3, Q6 DESIGNATOR	QTY	DESCRIPTION	610-2N3904	MOUSER PART#
20nF	Q3, Q6 DESIGNATOR C1, C4	QTY 4	DESCRIPTION FILM 10MM LS	610-2N3904 667-ECQ-E2224KF	MOUSER PART#
CAPACITORS VALUE 20nF 7000pF	Q3, Q6 DESIGNATOR	QTY 4	DESCRIPTION	610-2N3904	MOUSER PART#
CAPACITORS VALUE	Q3, Q6 DESIGNATOR C1, C4 C2, C5	QTY 4 4 2	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR	MOUSER PART#
CAPACITORS VALUE 20nF 7000pF uF .1uF	Q3, Q6 DESIGNATOR C1, C4 C2, C5 C3	QTY 4 4 2	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3	MOUSER PART#
CAPACITORS VALUE 20nF 7000pF uF 1uF	Q3, Q6 DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR	QTY 4 4 2	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3	MOUSER PART# MOUSER PART#
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE	Q3, Q6 DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39,	QTY 4 4 2 4 4 QTY	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3	
CAPACITORS VALUE 20nF .7000pF uF .1uF	Q3, Q6 DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR	QTY 4 4 2 4 4 QTY 24	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M	
20nF 7000pF uF .1uF RESISTORS VALUE	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50,	QTY 4 4 2 4 4 QTY 24 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K 5K	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59	QTY 4 4 2 4 QTY 24 4 20	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K 5K K7	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50,	QTY 4 4 2 4 QTY 24 4 20 12	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K 5K K7 00K 00K 1% K6	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40	QTY 4 4 2 4 QTY 24 4 20 12 2 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 291-5.6K-RC	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K 5K K7 00K 00K 00K 1% K6 K1%	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 1% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 291-5.6K-RC 271-1K-RC	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K 5K K7 00K 00K 1% K6 K 1% M7	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 291-5.6K-RC	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K 5K K7 00K 00K 00K 1% K6 K 1% M7 00K 80R	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 291-5.6K-RC 271-1K-RC 291-4.7M-RC 291-10K-RC 291-10K-RC 291-10K-RC	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K 5K K7 00K 00K 00K 1% K6 K 1% M7 00K 80R 2K	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51 R22, R27, R32, R55, R60, R65	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 291-5.6K-RC 291-5.6K-RC 291-4.7M-RC 291-10K-RC 291-10K-RC 291-10K-RC 291-10K-RC 291-24.7M-RC 291-284-RC	
CAPACITORS VALUE 20nF 7000pF uF .1uF RESISTORS VALUE 7K	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W	610-2N3904 667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 291-5.6K-RC 271-1K-RC 291-4.7M-RC 291-10K-RC 291-10K-RC 291-10K-RC	
CAPACITORS	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51 R22, R27, R32, R55, R60, R65 R23, R56 R29, R62, R69 R30, R63	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12 4 6 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W	667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 271-1K-RC 291-4.7M-RC 291-4.7M-RC 291-4.7M-RC 291-680-RC 291-22K-RC 291-470K-RC 291-470K-RC 271-20K-RC 271-49.9K-RC	
CAPACITORS	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51 R22, R27, R32, R55, R60, R65 R23, R56 R29, R62, R69 R30, R63 R31, R64	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12 4 6 4 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W	667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 271-1K-RC 291-4.7M-RC 291-4.7M-RC 291-680-RC 291-22K-RC 291-470K-RC 291-20K-RC 271-19K-RC 291-20K-RC 291-20K-RC	
CAPACITORS	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51 R22, R27, R32, R55, R60, R65 R23, R56 R29, R62, R69 R30, R63	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12 4 6 4 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W	667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 271-1K-RC 291-4.7M-RC 291-4.7M-RC 291-4.7M-RC 291-680-RC 291-22K-RC 291-470K-RC 291-470K-RC 271-20K-RC 271-49.9K-RC	
EAPACITORS	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51 R22, R27, R32, R55, R60, R65 R23, R56 R29, R62, R69 R30, R63 R31, R64	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12 4 6 4 4 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/4W 5% 1/4W	667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 271-100K-RC 271-1K-RC 291-4.7M-RC 291-4.7M-RC 291-680-RC 291-22K-RC 291-470K-RC 291-20K-RC 271-19K-RC 291-20K-RC 291-20K-RC	
EAPACITORS	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51 R22, R27, R32, R55, R60, R65 R23, R56 R29, R62, R69 R30, R63 R31, R64 R34, R67	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12 4 6 4 4 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W	667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 291-5.6K-RC 271-1K-RC 291-4.7M-RC 291-4.7M-RC 291-680-RC 291-22K-RC 291-470K-RC 271-20K-RC 271-20K-RC 271-49.9K-RC 291-470-RC	
CAPACITORS	DESIGNATOR C1, C4 C2, C5 C3 C6, C7 DESIGNATOR R1, R6, R7, R13, R19, R20, R35, R39, R46, R52, R53, R71 R2, R36 R3, R17, R21, R25, R26, R37, R50, R54, R58, R59 R4, R5, R33, R38, R41, R66 R68 R8, R40 R9, R10, R42, R43, R70 R11, R44 R12, R24, R28, R45, R57, R61 R15, R16, R18, R48, R49, R51 R22, R27, R32, R55, R60, R65 R23, R56 R29, R62, R69 R30, R63 R31, R64 R34, R67	QTY 4 4 2 4 QTY 24 4 20 12 2 4 10 4 12 12 12 4 6 4 4 4	DESCRIPTION FILM 10MM LS CERAMIC 5MM LS TANTALUM AXIAL CERAMIC 5MM LS DESCRIPTION 5% 1/4W	667-ECQ-E2224KF 581-SA105E473MAR 74-173D105X9035VWE3 581-SA105E104M 291-47K-RC 291-15K-RC 291-4.7K-RC 291-100K-RC 291-5.6K-RC 271-1K-RC 291-4.7M-RC 291-4.7M-RC 291-680-RC 291-22K-RC 291-470K-RC 271-20K-RC 271-20K-RC 271-49.9K-RC 291-470-RC	