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Change in menu Project

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB	1		Printed Circuit Board		XX####	Any	-	-
C1, C2, C19, C20, C33, C34, C50, C51	8	330uF	CAP ALUM 330uF 63V 20% TH		63ME330AX	SUNCON	-	-
C3, C4, C5, C6, C21, C22, C23, C24, C35, C36, C37, C38, C52, C53, C54, C55	16	4.7uF	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	1206	GRM31CR71H475KA12L	MuRata	-	-
C7, C25, C39, C56	4	2.2uF	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210	GRM32ER72A225KA35L	MuRata		
C8, C10, C26, C28, C40, C43, C57, C59	8	0.47uF	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E474KA12D	MuRata	-	-
C9, C16, C27, C41, C58	5	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	GRM1885C1H101JA01D	MuRata	-	-
C11, C29, C44, C60	4	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E105KA12D	MuRata	-	-
C12, C30, C45, C46	4	470pF	CAP, CERM, 470pF, 100V, +/-5%, C0G/NP0, 0805	0805	GRM2165C2A471JA01D	MuRata	-	-
C13, C31, C47, C49	4	0.1uF	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E104KA01D	MuRata	-	-
C14	1	0.047uF	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E473KA01D	MuRata	-	-
C15, C17, C48, C61	4	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	C0603C101J5GAC	Kemet	-	-
C18	1	0.022uF	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0603	0603	C0603C223K5RACTU	Kemet		
C32	1	2.2uF	CAP, CERM, 2.2uF, 16V, +/-10%, X5R, 0603	0603	GRM188R61C225KE15D	MuRata	-	-
C42	1	220pF	CAP, CERM, 220pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H221J	TDK	-	-
C62	1	330uF	CAP ALUM 330UF 35V 20% SMD	SMT Radial G	EEE-FP1V331AP	Panasonic	-	-
Cinx	1	1.8mF	CAP, Aluminum Electrolytic, 1.8 mF, 0.029mOhm, 16V, TH	-	16ME1800AX	SUNCON	-	-
D1, D2, D3, D5	4	0.57V	Diode, Schottky, 60V, 1A, SOD-123F	SOD-123F	PMEG6010CEH,115	NXP Semiconductor	-	-
FID1, FID2, FID3	3		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
H1, H2, H3, H4	4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw	NY PMS 440 0025 PH	B&F Fastener Supply	-	-
H5, H6, H7, H8	4		Standoff, Hex, 0.5"L #4-40 Nylon	Standoff	1902C	Keystone	-	-
IN1, OUT1, Sync In 1, Sync In 2, Sync In 3, Sync In 4	6	White	Test Point, TH, Compact, White	Keystone5007	5007	Keystone	-	-
J1, J2	2	50A	Terminal 50A Lug	CB35-36-CY	CB35-36-CY	Panduit	-	-
J3, J4, J5, J6	4		Standard Banana Jack, Uninsulated, 8.9mm	Keystone575-8	575-8	Keystone	-	-
L1, L2, L3, L4	4	22uH	Inductor, Shielded E Core, Ferrite, 22uH, 15A, 0.0026 ohm, SMD	SER2918	SER2918H-223KL	Coilcraft		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W	THT-14-423-10	Brady	-	-
Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	8	60V	MOSFET, N-CH, 60V, 100A, SON 5x6mm	SON 5x6mm	CSD18531Q5A	Texas Instruments	-	-
R1, R1x, R20, R20x, R31, R31x, R44, R44x	8	0.012	RES, 0.012 ohm, 1%, 1W, 2512	2512	ERJ-M1WSF12MU	Panasonic		
R2, R4, R21, R22, R32, R33, R45, R46	8	1.05k	RES, 1.05k ohm, 1%, 0.1W, 0603	0603	CRCW06031K05FKEA	Vishay-Dale		
R5, R9, R10, R23, R27, R28, R34, R39, R41, R47, R51, R52	12	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	ERJ-3GEY0R00V	Panasonic	-	-
R6	1	49.9k	RES, 49.9k ohm, 1%, 0.1W, 0603	0603	CRCW060349K9FKEA	Vishay-Dale	-	-
R7, R25, R36, R49	4	3.3	RES, 3.3 ohm, 5%, 0.1W, 0603	0603	CRCW06033R30JNEA	Vishay-Dale	-	-
R8	1	11.3k	RES, 11.3k ohm, 1%, 0.1W, 0603	0603	CRCW060311K3FKEA	Vishay-Dale		
R11, R29, R42, R53	4	33.2k	RES, 33.2k ohm, 1%, 0.1W, 0603	0603	CRCW060333K2FKEA	Vishay-Dale		
R12, R30, R43, R54	4	26.1k	RES, 26.1k ohm, 1%, 0.1W, 0603	0603	CRCW060326K1FKEA	Vishay-Dale		
R15	1	51.1k	RES, 51.1k ohm, 1%, 0.1W, 0603	0603	CRCW060351K1FKEA	Vishay-Dale		
R16	1	1.27k	RES, 1.27k ohm, 1%, 0.1W, 0603	0603	CRCW06031K27FKEA	Vishay-Dale		
R17	1	49.9k	RES, 49.9k ohm, 1%, 0.125W, 0805	0805	ERJ-6ENF4992V	Panasonic	-	-
R18	1	604	RES, 604 ohm, 1%, 0.125W, 0805	0805	CRCW0805604RFKEA	Vishay-Dale	-	-
R24, R38	2	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale	-	-
R26	1	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale	-	-
R35	1	18.0k	RES, 18.0k ohm, 0.1%, 0.1W, 0603	0603	RT0603BRD0718KL	Yageo America	-	-
R37	1	511	RES, 511 ohm, 1%, 0.1W, 0603	0603	CRCW0603511RFKEA	Vishay-Dale		
R40	1	1.50k	RES, 1.50k ohm, 1%, 0.1W, 0603	0603	CRCW06031K50FKEA	Vishay-Dale	-	-
R48, R50, R55, R56	4	7.5	RESISTOR 7.5 OHM 3/4W 5% 2010	2010	ERJ-12ZYJ7R5U	Panasonic	-	-
R58	1	158k	RES, 158k ohm, 1%, 0.1W, 0603	0603	CRCW0603158KFKEA	Vishay-Dale	-	-
SW1, SW2, SW3, SW4	4	White	Test Point, TH, Miniature, White	Keystone5002	5002	Keystone	-	-
U1, U3, U4, U7	4			eg: 0603, used in PnP report	LM5122MH	TI	-	-

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
U5	1		IC OSC MONO TIMING 3MHZ 8-SOIC		LMC555CMX	National Semiconductor		
U6	1		IC 10-OUT DECADE COUNTER 16-SOIC	D (R-PDSO-G16)	CD4017BM96			
U8	1		Series of Adjustable Micropower Voltage Regulators, 8-pin LLP	SDC08A	LP2951CSD	National Semiconductor		
Vin Gnd, Vout Gnd	2	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone	-	-
Vin, Vout	2	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone	-	-
R57	0	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale	-	-

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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