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Variant: 001

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SAT0095

Designator	Description	Manufacturer	PartNumber	Quantity
!PCB1	Printed Circuit Board	Any	SAT0095	1
C1, C25, C54	CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402	MuRata	GRM1555C1H331JA01D	3
C2, C3, C4, C5, C20, C26, C27, C28, C29	CAP, CERM, 22uF, 16V, +/-20%, X5R, 1206	MuRata	GRM31CR61C226ME15L	9
C6, C12, C21, C23, C30, C36, C47, C64, C66	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	MuRata	GRM155R61A105KE15D	9
C7, C31	CAP, CERM, 4700pF, 25V, +/-10%, X7R, 0402	MuRata	GRM155R71E472KA01D	2
C8, C32, C34, C49, C52, C58	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0402	MuRata	GRM155R61E104KA87D	6
C9, C10, C33	CAP, TA, 560uF, 2V, +/-20%, 0.003 ohm, SMD	Panasonic	EEF-GX0D561L	3
C11, C13, C14, C15, C16, C17, C38, C39, C40, C41, C55, C56	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210	MuRata	GRM32ER60J107ME20L	12
C19, C43	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	MuRata	GRM188R61C475KAAJ	2
C22, C46	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H103KA88D	2
C24, C48	CAP, CERM, 1000pF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E102KA01D	2
C44	CAP, CERM, 22uF, 10V, +/-20%, X5R, 0805	MuRata	GRM21BR61A226ME44	1
C50	CAP, CERM, 33pF, 50V, +/-5%, C0G/NP0, 0402	MuRata	GRM1555C1H330JA01D	1
C51	CAP, CERM, 3300pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H332KA01D	1
C60	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	MuRata	GRM188R61E104KA01D	1
C62	CAP, CERM, 1500pF, 50V, +/-10%, X7R, 0402	MuRata	GRM155R71H152KA01D	1
J1	Connector, F, 80 pin, SMT, Vertical Header, .8 mm pitch	Samtec	BSE-040-01-L-D-A	1
J2	Connector, Powerstrip F, 8 pin	Samtec	MPS-08-7.70-01-L-V	1
L1	Inductor, Shielded Drum Core, Ferrite, 330nH, 40A, 0.00032 ohm, SMD	Würth Elektronik eiSos	744301033	1
L2	Inductor, Shielded Drum Core, Powdered Iron, 820nH, 13A, 0.0067 ohm, SMD	Vishay-Dale	IHLP2525CZERR82M01	1
L3	Inductor, Shielded Drum Core, Powdered Iron, 2.2uH, 5.8A, 0.0292 ohm, SMD	Vishay-Dale	IHLP2020CZER2R2M01	1
Q1, Q2	Transistor, NPN, 40V, 0.2A, SOT-23	Fairchild Semiconductor	MMBT3904	2
R2, R14, R22, R30	RES, 0 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04020000Z0ED	4
R4	RES, 20.0k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-203-B-T5	1
R5, R60, R61	RES, 100k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603100KJNEA	3
R6, R17, R18	RES, 100k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW0402100KJNED	3
R7	RES, 30.0k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-303-B-T5	1
R10	RES, 10 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW040210R0JNED	1

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R11, R23, R41, R46	RES, 38.3k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040238K3FKED	4
R16, R19	RES, 30.1k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-3012-B-T5	2
R26	RES, 10.0k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040210K0FKED	1
R27, R53	RES, 36.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040236K5FKED	2
R29	RES, 8.66k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW04028K66FKED	1
R31	RES, 10.0k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-103-B-T5	1
R33	RES, 499 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402499RFKED	1
R34, R36	RES, 100 ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402100RFKED	2
R35	RES, 4.99k ohm, 0.1%, 0.1W, 0603	Susumu Co Ltd	RG1608P-4991-B-T5	1
R37, R39, R40	RES, 10k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW040210K0JNED	3
R38	RES, 10.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040210K5FKED	1
R42, R47	RES, 56.2k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040256K2FKED	2
R43, R48	RES, 86.6k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040286K6FKED	2
R44, R49	RES, 133k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402133KFKED	2
R45	RES, 17.8k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040217K8FKED	1
R50	RES, 130k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402130KFKED	1
R51	RES, 84.5k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040284K5FKED	1
R52	RES, 54.9k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040254K9FKED	1
R57	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	1
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12	Test Point, Miniature, SMT	Keystone	5015	12
U1, U7	TPS544B20 18V, 20A PMBUS SYNCHRONOUS BUCK CONVERTERS, RVF0040A	Texas Instruments	TPS544B20RVF	2
U2	Power Sequencer, 6-pin SOT-23	National Semiconductor	LM3880MF-1AA	1
U3	3.0-V TO 20-V PMBus SYNCHRONOUS BUCK CONTROLLER, RHL0024A	Texas Instruments	TPS40400RHL	1
U4, U5	IC, Dual, 14 Ohms SP4T Analog Switch	TI	TS3A5017RGY	2
U6	MOSFET, N/P-CH, 25V, 20A, 3.4x1.4x3.4mm	Texas Instruments	CSD86330Q3D	1

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