Variant: 001 Generated: 11/27/2017 8:37:00 PM TID #: TIDA-01411

TIDA-01411 REV A Bill of Materials

₹i3	Texas
	Instruments

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB	1		TIDA01411	Any	Printed Circuit Board	
3	C1 C2, C56, C57	3	0.01uF 22uF	06031C103KAT2A EEE-FK1K220P	AVX Panasonic	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0603 CAP, AL, 22 µF, 80 V, +/- 20%, 1.3 ohm, SMD	0603 SMT Radial F
4	C3, C5, C23,	6	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805
5	C33, C43, C53 C4, C10, C11,	21	0.1uF	06035C104KAT2A	AVX	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
	C12, C13, C14,	21	0.101	000000104KA12A	AVA	OAT , CENW, C. TOT , 30V, 47-1076, 74TK, 0003	0003
	C16, C18, C20, C24, C26, C28,						
	C30, C34, C36,						
	C38, C40, C44,						
6	C46, C48, C50 C6	1	1uF	GRM31CR72A105KA01L	MuRata	CAP, CERM, 1uF, 100V, +/-10%, X7R, 1206	1206
7	C7, C9	2	1uF	0805ZC105KAT2A	AVX	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0805	0805
8	C8	1	4.7uF	0603ZD475KAT2A	AVX	CAP, CERM, 4.7uF, 10V, +/-10%, X5R, 0603	0603
9	C15, C17, C19, C21, C25, C27,	16	0.01uF	C1608X7R2A103K	TDK	CAP, CERM, 0.01uF, 100V, +/-10%, X7R, 0603	0603
	C29, C31, C35,						
	C37, C39, C41, C45, C47, C49,						
	C51						
10	C22, C32, C42,	4	1000pF	1812GC102KA1	AVX	CAP, CERM, 1000pF, 2000V, +/-10%, X7R, 1812	1812
11	C52 C54, C55	2	2200pF	C4532X7R3D222K	TDK	CAP, CERM, 2200 pF, 2000 V, +/- 10%, X7R, 1812	1812
12	D1	1	58V	SMLJ58A	Diodes Inc.	Diode, TVS, Uni, 58 V, 1500 W, SMC	SMC
13	D2, D3, D4, D5,	16	5V	CDSOD323-T05C	Bourns	Diode, TVS, Bi, 5 V, 350 W, SOD323, 2-Leads, Body 1.9x1.45mm, No	SOD323, 2-Leads,
	D8, D9, D10, D11, D14, D15,					Polarity Mark	Body 1.9x1.45mm, No Polarity Mark
	D16, D17, D20,						,
14	D21, D22, D23 D6, D12, D18	3	58V	SMLJ58A	Rourne	Diode, TVS, Uni, 58 V, 3000 W, SMC	SMC
15	D7, D13, D19	3	0.68V	10MQ100NTRPBF	Bourns International Rectifier	Diode, Schottky, 100V, 1.5A, SMA	SMA
16	D24	1	7V	CD143A-SR70	Bourns	ESD Suppressor Diode Arrays, 7V, SMD	3.04X1.22X1.4
17 18	F1, F2 F3, F4	2		B1250T C1S 1.5	Bourns Bel Fuse	Fuse, 1.25 A, 600 VAC, SMD Fuse, 1.5A, 63V, SMD	9.65x3.05mm 1206
19	H1, H2, H3, H4,	6		4820	Keystone	Standoff, Hex, 1"L #6-32 Nylon, M-F	1" Nylon Hex
20	H5, H6	4		ED555/2D9	On-Shore Teaher-I	Terminal Block 6A 2.5mm Ditab 2.Dag TU	Standoff
20 21	J1 J2	1		ED555/2DS N2510-6002-RB	On-Shore Technology 3M	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH Header (shrouded), 100mil, 5x2, High-Temperature, Gold, TH	7.0x8.2x6.5mm 5x2 Shrouded header
22	J3, J6, J9, J12 J4, J7, J10, J11	4		1-406541-1 TSW-108-07-G-S	AMP Samtec	RJ-45, Right Angle, No LED, tab up Header, 100mil, 8x1, Gold, TH	16.26x14.54x15.75 8x1 Header
24	J5, J8	2	15A	7693	Keystone	Terminal screw, vertical, snap-in	7693
25	L1	1	180uH	SDR0604-181KL	Bourns	Inductor, Drum Core, Ferrite, 180uH, 0.38A, 1.38 ohm, SMD	5.8x4.8x5.8mm
26 27	L2, L3, L4, L5 Q1, Q2, Q3, Q4	4	uH 100V	ACM7060-301-2PL-TL FDMC3612	TDK Fairchild Semiconductor	Coupled inductor, 5A, 0.01 ohm, SMD MOSFET, N-CH, 100V, 3.3A, 3.3x1x3.3mm	6x3.5x7 mm 3.3x1x3.3mm
28	R1, R7, R9, R12	4	47	CRCW060347R0JNEA	Vishay-Dale	RES, 47 ohm, 5%, 0.1W, 0603	0603
29 30	R2 R3	1	47.5k 200k	CRCW060347K5FKEA CRCW0603200KFKEA	Vishay-Dale Vishay-Dale	RES, 47.5k ohm, 1%, 0.1W, 0603 RES, 200k ohm, 1%, 0.1W, 0603	0603 0603
	R4, R8, R11, R14	4	22.1	CRCW060322R1FKEA	Vishay-Dale Vishay-Dale	RES, 22.1 ohm, 1%, 0.1W, 0603	0603
32	R5, R15, R16,	5	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
33	R17, R19 R6	1	4.99	CRCW06034R99FKEA	Vishay-Dale	RES, 4.99 ohm, 1%, 0.1W, 0603	0603
34	R10	1	13.3k	CRCW060313K3FKEA	Vishay-Dale	RES, 13.3k ohm, 1%, 0.1W, 0603	0603
35	R13	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04k ohm, 1%, 0.1W, 0603	0603
36 37	R18, R20, R80 R21, R22, R23,	32	4.7k 49.9	CRCW06034K70JNEA CRCW080549R9FKEA	Vishay-Dale Vishay-Dale	RES, 4.7k ohm, 5%, 0.1W, 0603 RES, 49.9, 1%, 0.125 W, 0805	0603 0805
	R24, R29, R30, R31, R32, R35, R36, R37, R38, R43, R44, R45, R46, R49, R50, R51, R52, R57.						
	R58, R59, R60, R63, R64, R65, R66, R71, R72, R73, R74						
38	R63, R64, R65, R66, R71, R72,	16	75.0	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0 ohm, 1%, 0.1W, 0603	0603
39	R63, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76	8	75.0	CRM0805-FX-R510ELF	Bourns	RES, 0.51 ohm, 1%, 0.25W, 0805	0805
39	R63, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76	8	0.51	CRM0805-FX-R510ELF CRCW20100000Z0EF	Bourns Vishay-Dale	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0.5%, 0.75 W, 2010	0805
39 40 41	R63, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 RV1, RV2, RV3, RV4	8	0.51 0 324 - 396 V	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P	Bourns Vishay-Dale Littelfuse	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH	0805 2010 D17mm
39	R63, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 RV1, RV2, RV3, RV4 RV5, RV6, RV7,	8	0.51	CRM0805-FX-R510ELF CRCW20100000Z0EF	Bourns Vishay-Dale	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0.5%, 0.75 W, 2010	0805
39 40 41	R63, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 RV1, RV2, RV3, RV4	8	0.51 0 324 - 396 V	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P	Bourns Vishay-Dale Littelfuse	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH	0805 2010 D17mm
39 40 41 42	R63, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R29, R40, R41, R42, R53, R40, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 R77 R77 RV1, RV2, RV3, RV4 RV5, RV6, RV7, RV8 RV9, RV10, RV11, RV12, RV12, RV11, RV12, RV11, RV12, RV11, RV12, RV11, RV12, RV3, RV11,	8 1 4 4	0.51 0 324 - 396 V 324 - 396 V	CRM0805-FX-R510ELF CRCW2010000020EF V14E230P V10E230P	Bourns Vishay-Dale Littelfuse	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH	0805 2010 D17mm D12.5mm
39 40 41 42 43	R63, R64, R65, R66, R71, R72, R73, R74 R75, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 RV1, RV2, RV3, RV4 RV5, RV6, RV7, RV8, RV6, RV7, RV8, RV10, RV11, RV12, RV9, RV10, RV11, RV12, RV11, RV12, RV11, RV11, RV12, RV11, RV11, RV12, RV11, RV11, RV12, RV11, RV	8 1 4 4	0.51 0 324 - 396 V 324 - 396 V	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P	Bourns Vishay-Dale Littelfuse Littelfuse Littelfuse	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH	0805 2010 D17mm D12.5mm
39 40 41 42 43	R63. R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R61, R62, R75, R76, R77, R78, R79, R77, R78, R79, R79, R791, R79	8 1 4 4	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V70E230P PT61020EL	Bourns Vishay-Dale Littelfuse Littelfuse Bourns	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm
39 40 41 42 43	R63, R64, R65, R66, R71, R72, R73, R74 R75, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 RV1, RV2, RV3, RV4 RV5, RV6, RV7, RV8, RV6, RV7, RV8, RV10, RV11, RV12, RV9, RV10, RV11, RV12, RV11, RV12, RV11, RV11, RV12, RV11, RV11, RV12, RV11, RV11, RV12, RV11, RV	8 1 4 4	0.51 0 324 - 396 V 324 - 396 V	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P	Bourns Vishay-Dale Littelfuse Littelfuse Littelfuse	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm Red Multipurpose
39 40 41 42 43 44 45	R63. R64, R65, R66, R77, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R61, R62, R75, R76, R77, R78, R79, R77, R78, R79, R791, R7	8 1 4 4 6	0.51 0 324 - 396 V 324 - 396 V 0.35 mH	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P PT61020EL 5010	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Køystone	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 1.75KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm Red Multipurpose
39 40 41 42 43	R63, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R44, R61, R62, R75, R76 R77, RV1, RV2, RV3, RV4, RV5, RV7, RV8, RV9, RV7, RV1,	8 1 4 4 6	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V70E230P PT61020EL	Bourns Vishay-Dale Littelfuse Littelfuse Bourns	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm Red Multipurpose
39 40 41 42 43 44 45	R63, R64, R65, R66, R71, R72, R73, R74, R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70, R34, R41, R42, R53, R34, R47, R48, R61, R62, R75, R76, R71, RV2, RV3, RV4, RV5, RV6, RV7, RV5, RV11, RV12, RV13, RV14, RV15, RV11, RV12, RV13, RV14, RV15, RV17, RV15, RV17, R	8 1 4 4 6	0.51 0 324 - 396 V 324 - 396 V 0.35 mH	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P PT61020EL 5010	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Køystone	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 1.75KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm Red Multipurpose Tostpoint Xeystone_Miniature Orange Multipurpose
39 40 41 42 43 44 45 46	R63. R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 R77 R78, R79 R77 R78, R79 R77 R79 R79 R77 R78 R77 R78 R77 R78 R77 R79 R77 R79 R77 R78 R77 R79 R77 R78 R79	8 1 4 4 6 4 3 8	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P PT61020EL 5010 5013	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Miniature, SMT	0805 2010 D17mm D125mm D9mm SMD, 17,62x12,2mm Red Multipurpose Tosspoint Keystone_ Miniature Orange Multipurpose
39 40 41 42 43 44 45 46	R63. R64, R65, R66, R77, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R25, R26, R27, R28, R39, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 R77 RV8, RV1, RV2, RV3, RV4, RV5, RV6, RV7, RV8, RV9, RV11, RV12, RV3, RV4, RV9, RV11, RV12, RV13, RV14 T1, T2, T3, T4 TP1, TP5, TP5, TP6, TP710, TP12, TP14, TP17, TP19 TP4, TP17, TP19 TP4, TP9, TP13, TP16	8 1 4 4 6 4 3 8	0.51 0 324 - 396 V 324 - 396 V 0.35 mH Red	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V07E230P V07E230P PT61020EL 5010 5013	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone Keystone	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0.5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH Test Point, Multipurpose, Orange, TH	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm Red Multipurpose Tostpoint Keystone_Miniature Orange Multipurpose Tostpoint Black Multipurpose
39 40 41 42 43 44 45 46	R63. R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 R77 R78, R79 R77 R78, R79 R77 R79 R79 R77 R78 R77 R78 R77 R78 R77 R79 R77 R79 R77 R78 R77 R79 R77 R78 R79	8 1 4 4 6 4 3 8	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P PT61020EL 5010 5013	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0.5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH Test Point, Multipurpose, Black, TH 100V, 100mA Constant On-Time Synchronous Buck Regulator,	0805 2010 D17mm D125mm D9mm SMD, 17,62x12,2mm Red Multipurpose Tosspoint Keystone_ Miniature Orange Multipurpose
39 40 41 42 43 44 45 46 47 48	R63. R64, R65, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R25, R26, R27, R28, R39, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 R77 R78, R79, R71, R74, R74, R74, R74, R74, R75, R76 R77, R78, R79, R711, R712, R73, R74, R74, R74, R74, R74, R74, R74, R74	8 1 4 4 6 4 3 8	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V07E230P V07E230P PT61020EL 5010 5015 5013 5011 LM5019MRX/NOPB	Bourns Vishay-Dale Littelfuse Littelfuse Littelfuse Bourns Keystone Keystone Keystone Keystone Texas instruments	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm SMD, 17.62x12.2mm Auditpurpose Tostpoint Tostpoint, Keystone_ Miniature Crange Multipurpose Tostpoint Black Multipurpose Tostpoint D0A0006B
39 40 41 42 43 44 45 46 47 48 49	R63. R64, R65, R66, R77, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R25, R26, R27, R28, R39, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 R78, R77 R78, R77 R78, R77 R79, R79, R79, R71, R74, R75, R76 R77, R78, R79, R711, R712, R73, R74, R79, R711, R712, R713, R74, R713, R714, R717, R712, R718, R719, R711, R712, R711, R712, R711, R712, R711, R712, R711, R712, R711, R712, R711, R711, R712, R711,	8 1 1 4 4 6 4 4 3 3 8 8 4 4 2 2 1 1 1 1	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P PT61020EL 5010 5015 5013 5011 LM5019MRX/NOPB TPS23861PW	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone Keystone Keystone Texas instruments Texas instruments	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm SMD, 17.62x12.2mm Red Multipurpose Tostpoint Tostpoint, Keystone_ Miniature Crange Multipurpose Tostpoint D0A0008B PW0028A
39 40 41 42 43 44 45 46 47 48 49 50	R63, R64, R65, R64, R65, R77, R72, R73, R74, R25, R26, R27, R28, R39, R40, R54, R55, R56, R67, R68, R69, R70, R33, R34, R47, R48, R61, R62, R75, R76, R68, R69, R70, R77, R78, R76, R77, R74, R74, R74, R74, R74, R74, R74	8 8 1 4 4 6 6 8 8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW2010000020EF V14E230P V10E230P V07E230P PT61020EL 5010 5015 5013 5011 LM5019MRX/NOPB TPS23861PW FOD817DS	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone Keystone Keystone Texas Instruments Texas Instruments Fairchild Semiconductor	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0.5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH Test Point, Multipurpose, Black, TH 100V, 100mA Constant On-Time Synchronous Buck Regulator, DDA0008B QUAD IEEE 802.3st POWER-OVER-ETHERNET PSE CONTROLLER, PW0028A Optocoupler, 5kV RMS, SMT	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm Red Multipurpose Testpoint Testpoint, Keystone_ Miniature Orange Multipurpose Testpoint Black Multipurpose Testpoint D1DA0008B PW0028A DIP-4L Gullwing
39 40 41 41 42 43 44 45 46 47 48 49 50	R63. R64, R65, R66, R77, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R25, R26, R27, R28, R39, R41, R42, R53, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76 R77 R78, R77 R78, R77 R78, R77 R79, R79, R79, R71, R74, R75, R76 R77, R78, R79, R711, R712, R73, R74, R79, R711, R712, R713, R74, R713, R714, R717, R712, R718, R719, R711, R712, R711, R712, R711, R712, R711, R712, R711, R712, R711, R712, R711, R711, R712, R711,	8 1 1 4 4 6 4 4 3 3 8 8 4 4 2 2 1 1 1 1	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V10E230P V07E230P PT61020EL 5010 5015 5013 5011 LM5019MRX/NOPB TPS23861PW	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone Keystone Keystone Texas Instruments Fairchild Semiconductor Texas Instruments	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0.5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 1.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH Test Point, Multipurpose, Orange, TH 100V, 100mA Constant On-Time Synchronous Buck Regulator, DDA00008 QUAD IEEE 802.31 POWIER-OVER-ETHERNET PSE CONTROLLER, PW0028A Opticoupler, 5kV RMS, SMT 5Mps Daul Channels, 1 / 1, Digital Isolator, 3.3 V / 5 V, 40 to +125	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm SMD, 17.62x12.2mm Red Multipurpose Tostpoint Tostpoint, Keystone_ Miniature Crange Multipurpose Tostpoint D0A0008B PW0028A
40 41 42 43 44 45 46 47 48 49 50 51 52 53	R63. R64, R65, R64, R65, R66, R71, R72, R73, R74 R25, R26, R27, R28, R39, R40, R25, R26, R27, R28, R39, R41, R42, R53, R54, R55, R56, R67, R68, R61, R62, R75, R76, R77, R78, R79, R79, R79, R79, R79, R79, R79, R79	8 8 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW20100000Z0EF V14E230P V14E230P V07E230P PT61020EL 5010 5015 5013 5011 LM5019MRXNOPB TPS23861PW FO0B17DS ISO70221BD	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone Keystone Keystone Texas Instruments Fairchild Semiconductor Texas Instruments Texas Instruments Texas Instruments	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0, 5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 3.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH Test Point, Multipurpose, Orange, TH Test Point, Multipurpose, Black, TH 100V, 100mA Constant On-Time Synchronous Buck Regulator, DDA0008B QUAD IEEE 802.3at POWER-OVER-ETHERNET PSE CONTROLLER, PW0028A Opticoupler, 5kV RMS, SMT Shtps Dual Channels, 1/1, Digital Isolator, 3.3 V / 5 V, 40 to +125 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br) Low-Power Bidrectional IZE Caldors, D0008A	0805 2010 D17mm D125mm D9mm SMD, 17 62x12.2mm SMD, 17 62x12.2mm Red Multipurpose Tostpoint Keystone_ Miniature Tostpoint Keystone_ Miniature D100008A D10-4L Gullwing D0008A
39 40 41 42 43 44 45 46 47 48 49 50 51 52	R63, R64, R65, R64, R65, R77, R72, R73, R74 R25, R26, R27, R25, R26, R27, R28, R39, R40, R54, R55, R56, R67, R68, R69, R70 R33, R34, R47, R48, R61, R62, R75, R76, R68, R69, R70 R77, R78, R76 R77 RV4, RV5, RV6, RV7, RV8, R71, R71, R712, R713, R74 RV1, RV12, RV3, RV4 RV13, RV11, RV12, RV13, R71, R71, R71, R71, R71, R71, R71, R71	8 8 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.51 0 324 - 396 V 324 - 396 V 324 - 396 V 0.35 mH Red SMT	CRM0805-FX-R510ELF CRCW2010000020EF V14E230P V10E230P V07E230P PT61020EL 5010 5015 5013 5011 LM5019MRX/NOPB TPS23861PW FOD817DS ISO7221BD	Bourns Vishay-Dale Littelfuse Littelfuse Bourns Keystone Keystone Keystone Keystone Texas Instruments Fairchild Semiconductor Texas Instruments	RES, 0.51 ohm, 1%, 0.25W, 0805 RES, 0.5%, 0.75 W, 2010 Varistor, 324V, 6KA, Disc, 14mm, TH Varistor, 324V, 1.5KA, Disc, 10mm, TH Varistor, 324V, 1.75KA, Disc, 7mm, TH Transformer, 0.35 mH, SMT Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Red, TH Test Point, Multipurpose, Orange, TH Test Point, Multipurpose, Orange, TH 100V, 100mA Constant On-Time Synchronous Buck Regulator, DDA00008 QUAD IEEE 802.31 POWIER-OVER-ETHERNET PSE CONTROLLER, PW0028A Opticoupler, 5kV RMS, SMT 5Mps Daul Channels, 1 / 1, Digital Isolator, 3.3 V / 5 V, 40 to +125	0805 2010 D17mm D12.5mm D9mm SMD, 17.62x12.2mm Red Multipurpose Tastpoint. Tastpoint. Government of the state of the

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