## TIDA-01367 REV B Bill of Materials



2	!PCB	1	Value	PartNumber TIDA-01367	Manufacturer Any	Description Printed Circuit Board	PackageReference
	3P3V, 5V_EXT, AVR_EN, AVR_RDY, BVR_EN, BVR_RDY, CSNIN, CSPIN, SMB_ALT#,	16	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
3	SMB_CLK, SMB_DAT, TSEN, VIN, VOUT_A_P, VOUT_B_P, VRFAULT# C1, C11	2	1uF	C0603C105Z9VACTU	Kemet	CAP, CERM, 1 µF, 6.3 V, +80/-20%, Y5V, 0603	0603
4 5 6	C2, C3 C4, C5, C6, C7 C10, C31, C48, C65, C75, C92, C109, C161, C185	2 4 9	100pF 22pF 0.1uF	GRM1885C1H101JA01D GRM1885C1H220JA01D C0603C104J4RACTU	MuRata MuRata Kemet	CAP, CERM, 100 pF, 50 V, +/- 5%, COG/NP0, 0603 CAP, CERM, 22 pF, 50 V, +/- 5%, COG/NP0, 0603 CAP, CERM, 0.1 μF, 16 V, +/- 5%, X7R, 0603	0603 0603 0603
7 8	C13 C14, C33, C50, C67, C84, C100, C154	7	1000pF 0.1uF	C0603C102J5RACTU GCM188R71H104KA57D	Kemet MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, X7R, 0603 CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	0603 0603
9	C15, C34, C51, C68, C85, C102, C155 C16, C35, C52,	7	2.2uF 0.01uF	C0603C225K9PACTU	Kemet	CAP, CERM, 2.2 μF, 6.3 V, +/- 10%, X5R, 0603  CAP, CERM, 0.01 μF, 100 V, +/- 10%, X7R, 0603	0603 0603
10	C69, C86, C103, C156	,	0.0141	00010100101121	, , , , , , , , , , , , , , , , , , ,	G. 1. , GET (11, 6.6 ) J. 7. 10.70, XIV, 6666	0000
11	C17, C18, C20, C21, C36, C37, C38, C39, C53, C54, C55, C56, C70, C71, C72, C73, C87, C88, C89, C90, C104, C105, C106, C107, C157, C158, C159, C182, C183, C187	30	22uF	GRM31CR61C226ME15L	MuRata	CAP, CERM, 22 μF, 16 V, +/- 20%, X5R, 1206	1206
12 13	C30, C186 C44, C45, C46, C59, C60, C64, C93, C99	8	470uF 47uF	EEE-FK1E471P JMK212BJ476MG-T	Panasonic Taiyo Yuden	CAP, AL, 470μF, 25V, +/-20%, 0.08 ohm, SMD CAP, CERM, 47 μF, 6.3 V, +/- 20%, X5R, 0805	SMT Radial G 0805
14	C81, C111, C112, C113, C114, C115, C192	7	470uF	EEF-GX0E471R	Panasonic	CAP, Aluminum Polymer, 470 µF, 2.5 V, +/- 20%, 0.003 ohm, SMD_7.3x1.9x4.3mm SMD	SMD_7.3x1.9x4.3m
15	C123, C124, C125, C126, C127, C128, C129, C130, C131, C132,	22	22uF	GRM21BR61E226ME44L	MuRata	CAP, CERM, 22 μF, 25 V, +/- 20%, X5R, 0805	0805
16	C133, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151 C162, C163, C164, C165,	12	100uF	GRM21BR60J107M	MuRata	CAP, CERM, 100 μF, 6.3 V, +/- 20%, X5R, 0805	0805
17	C166, C167, C168, C169, C170, C171, C172, C173		1uF	EMK107B7105KA-T	T. V.	CAP, CERM, 1 μF, 16 V, +/- 10%, X7R, 0603	0603
18	C175, C176, C180 C181, C184	2	1uF	C0603C105K3RACTU	Taiyo Yuden Kemet	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
19	C188, C190, C191 C189	3	4.7uF 0.01uF	GRM188R61A475ME15 GRM188R70J103KA01D	MuRata MuRata	CAP, CERM, 4.7 µF, 10 V, +/- 20%, X5R, 0603  CAP, CERM, 0.01 µF, 6.3 V, +/- 10%, X7R, 0603	0603 0603
21 22 23	D1, D2 FID4, FID5, FID6 H9, H10, H11,	2 3 4	30V	MBR0530T1G N/A SJ-5303 (CLEAR)	ON Semiconductor N/A 3M	Diode, Schottky, 30 V, 0.5 A, S0D-123  Fiducial mark. There is nothing to buy or mount.  Bumpon, Hemisphere, 0.44 X 0.20, Clear	SOD-123 Fiducial Transparent Bumpo
24 25	J1 J2, J4, J5, J6	1 4		5103308-1 TSW-102-07-G-S	TE Connectivity Samtec	Header (shrouded), 100mil, 5x2, Gold, TH Header, TH, 100mil, 2x1, Gold plated, 230 mil above insulator	5x2 Shrouded head 2x1 Header
26 27	J3 L1	1 1	55nH	1727010 HCB65-550X	Phoenix Contact Delta Electronics Inc.	Conn Term Block, 2POS, 3.81mm, TH Inductor, ?, 55 nH, 30 A, 0.0002 ohm, SMD	2POS Terminal Blod 5.5x5.7mm
28	L2, L3, L4, L5, L6, L7 L8	1	150nH 200nH	IHLP5050FDERR15M01  MPC0730LR20C	Vishay-Dale Kemet	Inductor, Shielded, Powdered Iron, 150 nH, 55 A, 0.0006 ohm, SMD  Inductor, Ferrite, 200 nH, 17.5 A, 0.00132 ohm, SMD	IHLP-5050FD 8x6.7mm
30	PGND, PGND2, PGND3, PGND4,	1 6	Black	THT-14-423-10 5011	Brady Keystone	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll  Test Point, Multipurpose, Black, TH	PCB Label 0.650"H 0.200"W Black Multipurpose Testpoint
32 33	VOUT_A_N, VOUT B N Q1, Q2, Q3, Q4 R1, R2, R3, R4,	<u>4</u> 5	30V 0	CSD17570Q5B CRCW06030000Z0EA	Texas Instruments Vishay-Dale	MOSFET, N-CH, 30 V, 51 A, DNK0008A (VSON-CLIP-8) RES, 0, 5%, 0.1 W, 0603	DNK0008A 0603
34	R87 R5, R7, R8, R12, R13, R14, R15, R86	8	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
35 36	R9, R10, R11 R17, R21, R24, R25, R28, R30, R31, R33, R36, R37, R39, R42, R44, R47, R48,	3 17	1.00k 0	CRCW06031K00FKEA CRCW04020000Z0ED	Vishay-Dale Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402	0603 0402
37	R50, R83 R18, R22, R27,						
	R34, R40, R45	6	110k	CRCW0402110KFKED	Vishay-Dale	RES, 110 k, 1%, 0.063 W, 0402	0402
38	R34, R40, R45 R19, R23, R29, R35, R41, R46,	6	110k 2.20	CRCW0402110KFKED  ERJ-3RQF2R2V	Vishay-Dale Panasonic	RES, 110 k, 1%, 0.063 W, 0402 RES, 2.20, 1%, 0.1 W, 0603	0402 0603
39 40	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60	7 1 2	2.20 150k 24.9	ERJ-3RQF2R2V  CRCW0603150KFKEA  RC0603FR-0724R9L	Panasonic  Vishay-Dale  Yageo America	RES, 2.20, 1%, 0.1 W, 0603  RES, 150 k, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603	
39 40 41	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R84, R85	7 1 2 24	2.20 150k	ERJ-3RQF2R2V  CRCW0603150KFKEA  RC0603FR-0724R9L  ERJ-8BWFR100V	Panasonic  Vishay-Dale  Yageo America  Panasonic	RES, 2.20, 1%, 0.1 W, 0603  RES, 150 k, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206	0603 0603 0603 1206
39 40	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R84, R85 S1, S2 SR 1 T2, T3, T5, T6,	7 1 2	2.20 150k 24.9	ERJ-3RQF2R2V  CRCW0603150KFKEA  RC0603FR-0724R9L	Panasonic  Vishay-Dale  Yageo America	RES, 2.20, 1%, 0.1 W, 0603  RES, 150 k, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603	0603 0603 0603
39 40 41 41	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R84, R85 S1, S2	7 1 2 24	2.20 150k 24.9 0.1	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L  ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm
39 40 41 41 42 43 44 45 46	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R74, R75, R74, R75, R75, R80, R81, R82, R84, R85 SR 1 T2, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8	7 1 2 24 24 24 1 8 4 1	2.20 150k 24.9 0.1	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY 5007  TPS53679RSB  CSD95490Q5MC	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit  Keystone  Texas Instruments  Texas Instruments	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E
39 40 41 41 42 43 44 45 46 47	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R74, R75, R74, R75, R75, R84, R85 SR 1 T2, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8 U9	7 1 2 24 24 24 1 8 4 1	2.20 150k 24.9 0.1	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY 5007  TPS53679RSB  CSD95490Q5MC  TPS73733QDRBRQ1	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit  Keystone  Texas Instruments  Texas Instruments  Texas Instruments	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 deaC, Green (RoHS & no SV/BT)	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E  DMC0012A  DRB0008A
39 40 41 41 42 43 44 45 46 47 48	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R84, R85 SR 1 T2, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8 U9	7 1 2 24 24 1 8 4 1 7 1	2.20 150k 24.9 0.1	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY 5007  TPS53679RSB  CSD95490Q5MC TPS73733QDRBRQ1  UCC27524AD	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit  Keystone  Texas Instruments  Texas Instruments  Texas Instruments  Texas Instruments	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)  Dual, 5A, High-Speed Low-Side Power MOSFET Driver, with Negative Input Voltage Ability, D0008A (SOIC-8)	7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E  DMC0012A  DRB0008A
39 40 41 41 42 43 44 45 46 47	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51 R59, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R84, R85 SR 1 T2, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8 U9 U502 C8, C9, C12 C22, C40, C57, C74, C91, C108,	7 1 2 24 24 24 1 8 4 1	2.20 150k 24.9 0.1	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY 5007  TPS53679RSB  CSD95490Q5MC  TPS73733QDRBRQ1	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit  Keystone  Texas Instruments  Texas Instruments  Texas Instruments	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)  Dual, 5A, High-Speed Low-Side Power MOSFET Driver, with Negative	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E  DMC0012A  DRB0008A
39 40 41 41 42 43 44 45 46 47 48	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51, R69, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R79, R80, R81, R82, R84, R85 S1, S2 SR 1 T2, T3, T5, T6, T7, T8, T9, T9, T9, T9, T9, T9, T9, T9, T9, T9	7 1 2 24 24 24 1 8 4 1 7 1	2.20 150k 24.9 0.1 0.0003 90A	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY 5007  TPS53679RSB  CSD95490Q5MC  TPS73733QDRBRQ1  UCC27524AD  C0603C104J4RACTU	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit  Keystone  Texas Instruments  Texas Instruments  Texas Instruments  Texas Instruments  Kemet	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)  Dual, 5A, High-Speed Low-Side Power MOSFET Driver, with Negative Input Voltage Ability, D0008A (SOIC-8)  CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R, 0603	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E DMC0012A DRB0008A 0603
39 40 41 41 42 43 44 45 46 47 48 49 50 51 52	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51, R60 R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R79, R80, R81, R82, R84, R85 S1, S2 SR 1 T2, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8 U9 U502 C8, C9, C12 C22, C40, C57, C74, C91, C108, C160 C23, C24, C25, C26, C27, C28, C29, C41, C42, C43, C47, C58, C61, C62, C63, C76, C77, C78, C79, C80, C82, C94, C95, C96, C97, C98, C110, C116 C32, C49, C66, C83, C101, C117, C174	7 1 2 24 24 1 8 4 1 7 1 0 0 0	2.20  150k 24.9  0.1003  90A  0.1uF  1000pF  47uF	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY 5007  TPS53679RSB  CSD95490Q5MC  TPS73733QDRBRQ1  UCC27524AD  C0603C104J4RACTU GRM1555C1H102JA01D  JMK212BJ476MG-T	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit Keystone  Texas Instruments  Texas Instruments  Texas Instruments  Kemet MuRata  Taiyo Yuden  Kemet	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 deg C, Green (RoHS & no Sb/Br)  Dual, 5A, High-Speed Low-Side Power MOSFET Driver, with Negative Input Voltage Ability, D0008A (SOIC-8)  CAP, CERM, 0.1 μF, 16 V, +/- 5%, X7R, 0603  CAP, CERM, 1000 pF, 50 V, +/- 5%, COG/NP0, 0402  CAP, CERM, 47 μF, 6.3 V, +/- 20%, X5R, 0805	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E  DMC0012A  DRB0008A  0603 0402 0805
39 40 41 41 42 43 44 45 46 47 48 49 50 51	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R84, R85 S1, S2 SR 1 T2, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8 U9 U502 C8, C9, C12 C22, C40, C57, C74, C91, C108, C160 C23, C24, C25, C26, C27, C28, C29, C41, C42, C43, C47, C58, C61, C62, C63, C76, C77, C78, C79, C80, C82, C94, C95, C96, C97, C98, C110, C116, C18, C19, C110, C116, C118, C119, C120, C121, C122, C134, C135, C136, C137, C138, C139, C140, C152, C153	7 1 2 24 24 1 8 4 1 7 1 1 0 0	2.20  150k 24.9  0.1003  90A  0.1uF 1000pF  47uF	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY  5007  TPS53679RSB  CSD95490Q5MC  TPS73733QDRBRQ1  UCC27524AD  C0603C104J4RACTU GRM1555C1H102JA01D  JMK212BJ476MG-T	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit Keystone  Texas Instruments  Texas Instruments  Texas Instruments  Kemet MuRata  Taiyo Yuden	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WoEN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)  Dual, 5A, High-Speed Low-Side Power MOSFET Driver, with Negative Input Voltage Ability, D0008A (SOIC-8)  CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R, 0603  CAP, CERM, 1000 pF, 50 V, +/- 5%, COG/NP0, 0402	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E DMC0012A DRB0008A D0008A 0603 0402
39 40 41 41 42 43 44 45 46 47 48 49 50 51 52 53	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51, R69, R60 R61, R62, R63, R64, R65, R66, R66, R68, R69, R70, R71, R72, R73, R74, R75, R77, R78, R79, R80, R81, R82, R84, R85 S1, S2 SR 1 T2, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8 U9 U502 C8, C9, C12 C22, C40, C57, C74, C91, C108, C160 C23, C24, C25, C26, C27, C28, C29, C41, C42, C43, C47, C58, C61, C62, C83, C76, C77, C78, C79, C80, C82, C94, C95, C96, C97, C98, C110, C116 C32, C49, C66, C83, C101, C117, C174 C118, C119, C120, C121, C134, C135, C136, C137, C138, C136, C137, C138, C136, C137, C138, C139, C140, C152, C153, E1D1, FID2, FID3, R8, R16	7 1 2 24 24 24 1 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.20  150k 24.9  0.1  0.0003  90A  0.1uF 1000pF  47uF  0.01uF	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY  5007  TPS53679RSB  CSD95490Q5MC  TPS73733QDRBRQ1  UCC27524AD  C0603C104J4RACTU GRM1555C1H102JA01D  JMK212BJ476MG-T  C0805C103K5RACTU  GRM21BR61E226ME44L	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit Keystone  Texas Instruments  Texas Instruments  Texas Instruments  Kemet MuRata  Taiyo Yuden  Kemet  MuRata	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)  Dual, 5A, High-Speed Low-Side Power MOSFET Driver, with Negative Input Voltage Ability, D0008A (SOIC-8)  CAP, CERM, 0.1 μF, 16 V, +/- 5%, X7R, 0603  CAP, CERM, 1000 pF, 50 V, +/- 5%, COG/NP0, 0402  CAP, CERM, 47 μF, 6.3 V, +/- 20%, X5R, 0805  CAP, CERM, 22 μF, 25 V, +/- 20%, X5R, 0805  Fiducial mark. There is nothing to buy or mount.  RES, 10.0 k, 1%, 0.1 W, 0603	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E  DMC0012A  DRB0008A  0603 0402 0805
39 40 41 41 42 43 44 45 46 47 48 49 50 51 52	R34, R40, R45 R19, R23, R29, R35, R41, R46, R52 R51, R69, R60 R61, R62, R63, R64, R65, R66, R66, R68, R69, R70, R71, R72, R73, R74, R75, R79, R80, R81, R82, R84, R85 S1, S2 SR 1 T12, T3, T5, T6, T7, T8, T9, T10 TP1, TP2, TP3, TP4 U1 U2, U3, U4, U5, U6, U7, U8 U9 U502  C8, C9, C12 C22, C40, C57, C74, C91, C108, C160 C23, C24, C25, C26, C27, C28, C29, C41, C42, C43, C47, C58, C61, C62, C63, C76, C77, C78, C79, C80, C82, C94, C95, C96, C97, C98, C110, C116 C32, C49, C66, C83, C101, C117, C174 C118, C119, C120, C121, C122, C134, C135, C136, C137, C138, C139, C140, C152, C153, F101, C1102, C152, C153, F101, C1102, C152, C153, F101, F102, F103, C1102, C152, C153, F101, F102, F103, C152, C153, F101, F102, F103, C152, C153, F101, F102, F103, C1102, C152, C153, F101, F102, F103, F103, C1102, C1103, C1104, C1	7 1 2 2 4  1 1 7 1 1 0 0 0 0 0	2.20  150k 24.9  0.1  0.0003  90A  0.1uF  1000pF  47uF  0.01uF	ERJ-3RQF2R2V  CRCW0603150KFKEA RC0603FR-0724R9L ERJ-8BWFR100V  GT11MCBE WSL4026L3000FEB CB70-14-CY  5007  TPS53679RSB  CSD95490Q5MC  TPS73733QDRBRQ1  UCC27524AD  C0603C104J4RACTU GRM1555C1H102JA01D  JMK212BJ476MG-T  C0805C103K5RACTU  GRM21BR61E226ME44L	Panasonic  Vishay-Dale Yageo America Panasonic  C&K Components Vishay-Dale Panduit  Keystone  Texas Instruments  Texas Instruments  Texas Instruments  Kemet  MuRata  Kemet  MuRata	RES, 2.20, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 24.9, 1%, 0.1 W, 0603  RES, 0.1, 1%, 0.5 W, 1206  Switch, SPDT, On-On, 1 Pos, 0.4VA, 20V, TH  RES, 0.0003, 1%, 3 W, 10.1x2.68x2.6mm  Terminal 90A Lug  Test Point, Compact, White, TH  Dual-Channel (6+1 or 5+2 Phases) D-CAP+ Step-Down Multiphase Controller with Non-Volitile Memory and PMBus Interface for VR13 Server VCORE, RSB0040E (WQFN-40)  Synchronous Buck NexFET Power Stage, DMC0012A (VSON-CLIP-12)  Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)  Dual, 5A, High-Speed Low-Side Power MOSFET Driver, with Negative Input Voltage Ability, D0008A (SOIC-8)  CAP, CERM, 0.1 μF, 16 V, +/- 5%, X7R, 0603  CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0402  CAP, CERM, 47 μF, 6.3 V, +/- 20%, X5R, 0805  CAP, CERM, 47 μF, 6.3 V, +/- 20%, X5R, 0805	0603 0603 0603 1206 7.01x4.5mm 10.1x2.68x2.6mm CB70-14-CY White Compact Testpoint RSB0040E DMC0012A DRB0008A 0603 0402 0805

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