

BOM of TIDA-00507 for Intel® Atom™ C2000 SoC for VNN rail.

Date: Jan 12, 2015

Engineer: Narendra Kumar

Item	Qty	Reference	Value	Description	Size	Part_Number	Manufacturer	Notes	Populate
		C1	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		Yes
		C2	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		Yes
		C3	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		Yes
		C4	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		Yes
		C5	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		Yes
		C6	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		No
		C7	10uF	Capacitor, Ceramic, 25V, X7R, 20%	1206	GRM31CR61E106KA12L	Murata		No
		C8	22uF	Capacitor, Ceramic, 25V, X7R, 20%	603	GRM31CR61E106KA12L	Murata		No
		C9	1uF	Capacitor, Ceramic, 10V, X7R, 10%	402	STD	STD		Yes
		C10	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C11	220uF	Capacitor, 2.5VDC Max, 20%	D2T	2R5TPL330MFU	Sanyo		No
		C13	560pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		No
		C14	470uF/4.5mohm	Capacitor, 2.5VDC Max, 20%	D2T	2R5TPL330MFU	Sanyo		Yes
		C16	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata		Yes
		C17	470uF/4.5mohm	Capacitor, 2.5VDC Max, 20%	D2T	2R5TPL330MFU	Sanyo		No
		C19	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata		Yes
		C23	0.01uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C24	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C25	10uF	Capacitor, Ceramic, 10V, X7R, 10%	603	STD	STD		Yes
		C26	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C27	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		No
		C29	10uF	Capacitor, Ceramic, 10V, X7R, 10%	603	STD	STD		No
		C31	560pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C32	1nF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C33	0.33uF	Capacitor, Ceramic, 10V, X7R, 10%	402	STD	STD		Yes
		C34	1uF	Capacitor, Ceramic, 10V, X7R, 10%	402	STD	STD		Yes
		C35	560pF	Capacitor, Ceramic, 10V, X7R, 10%	402	STD	STD		Yes
		C36	1uF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C37	1500pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C38	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C39	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C40	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C41	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C42	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C43	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C44	2.2 uF	Capacitor, Ceramic, 10V, X7R, 10%	603	STD	STD		Yes
		C45	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C46	0.22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		No
		C47	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C48	0.22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD		Yes
		C49	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C50	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C51	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C52	10nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C54	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		Yes
		C55	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		Yes
		C56	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		Yes
		C57	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C58	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C59	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C60	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C61	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C62	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C63	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C64	1nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		Yes
		C65	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C66	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C67	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C68	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C69	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C70	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		Yes
		C71	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C72	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C73	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C74	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C75	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C76	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C77	1nF	Capacitor, Ceramic, 25V, X7R, 10%	402	STD	STD		No
		C78	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C80	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C83	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J226ME39L	Murata		No
		C85	220uF	Capacitor, Aluminum, 2V, 6mOhm 10%	7343	EEFSXOD331XR	Panasonic		No
		C86	220uF	Capacitor, Aluminum, 2V, 6mOhm 10%	7343	EEFSXOD331XR	Panasonic		No
		C87	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata		No
		C88	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata		No
		C89	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata		Yes
		C90	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata		No

	C91	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C92	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
	C93	0.01uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C94	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
	C95	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
	C96	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
	C97	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
	C98	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	GRM21BR60J106KE19L	Murata	No
	C99	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	GRM21BR60J106KE19L	Murata	No
	C100	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C101	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata	Yes
	C102	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C103	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C104	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C105	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C106	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C107	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
	C108	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C109	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C110	22uF	Capacitor, Ceramic, 10V, X7R, 10%	603	STD	STD	No
	C111	22uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	N/A	Murata	No
	C112	10uF	Capacitor, Ceramic, 6.3V, X5R, 10%	805	GRM21BR60J106KE19L	Murata	Yes
	C114	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C115	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C116	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C117	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C118	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C119	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C121	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C122	22uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	No
	C136	1nF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C137	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C138	1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C139	0.01uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C142	10pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C145	10pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C161	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	C162	10pF	Capacitor, Ceramic, 25V, X7R, 10%	603	STD	STD	Yes
	D20	GREEN	Diode, LED, Green Clear, 20mcd	0.079 X 0.049	LTST-C170GKT	Lite On	Yes
	D21	RED	Diode, LED, Red Clear, 20mcd	0.079 X 0.049	LTST-C170CKT	Lite On	Yes
	D23	GREEN	Diode, LED, Green Clear, 20mcd	0.079 X 0.049	LTST-C170GKT	Lite On	Yes
	J1	33457	LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	0.375 x1.00 inch	33457	AMP	Yes
	J7	PEC06SAAN	Header, Male 6-pin, 100mil spacing,	0.100 inch x 6	PEC06SAAN	Sullins	Yes
	J8	PEC08DAAN	Header, Male 2x8 pin, 100mil spacing	0.100 inch X2X8	PEC08DAAN	Sullins	Yes
	J9	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC02SAAN	Sullins	Yes
	J10	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC02SAAN	Sullins	Yes
	J11	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC02SAAN	Sullins	Yes
	J13	39299042	Header, ATX 2x2 Vertical with Mounting Pegs	4.2x15 mm	39299042	Phoenix Contact	Yes
	J14	8952-0-05-80-00-00-03-0	Header, Single pin	0.125 x 1 inch	8952-0-05-80-00-00-03-0	Mill-Max	Yes
	J15	8952-0-05-80-00-00-03-0	Header, Single pin	0.125 x 1 inch	8952-0-05-80-00-00-03-0	Mill-Max	Yes
	J18	33457	LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	0.375 x1.00 inch	33457	AMP	Yes
	J19	442060007	Header, ATX 2x12 Vertical with Mounting Pegs	9.6x60 mm	442060007	Phoenix Contact	Yes
	J20	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST	Yes
	J21						
	J22	PEC08DAAN	Header, Male 2x8 pin, 100mil spacing	0.100 inch X2X8	PEC08DAAN	Sullins	Yes
	J23						
	J24	33457	LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	0.375 x1.00 inch	33457	AMP	Yes
	J25	8952-0-05-80-00-00-03-0	Header, Single pin	0.125 x 1 inch	8952-0-05-80-00-00-03-0	Mill-Max	Yes
	J26	8952-0-05-80-00-00-03-0	Header, Single pin	0.125 x 1 inch	8952-0-05-80-00-00-03-0	Mill-Max	Yes
	J30	33457	LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	0.375 x1.00 inch	33457	AMP	Yes
	J31	33457	LUG, Solderless, #10 - #10-12 AWG, Copper/Tin, Uninsulated	0.375 x1.00 inch	33457	AMP	Yes
	J45	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC02SAAN	Sullins	Yes
	J46	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PEC02SAAN	Sullins	Yes
	J50	8952-0-05-80-00-00-03-0	Header, Single pin	0.125 x 1 inch	8952-0-05-80-00-00-03-0	Mill-Max	Yes
	L1	2.2uH/5mohm	Inductor, Power choke	0.453 x 0.394 inch	FDUE1040D-R 36M	Toko	No
	L1A	2.2uH/5mohm	Inductor, Power choke SMT	0.303 x 0.276 inch	ETQP4LP15AFM	Toko	Yes
	L2	2.2uH/5mohm	Inductor, Power choke	0.453 x 0.394 inch	FDUE1040D-R 36M	Toko	No
	L2A	2.2uH/5mohm	Inductor, Power choke SMT	0.303 x 0.276 inch	ETQP4LP15AFM	Toko	No
	Q1	CSD97376CQ4M	IC, Synchronous Buck NexFETPower Stage	QFN	CSD97376CQ4M	TI	Yes
	Q2	CSD97376CQ4M	IC, Synchronous Buck NexFETPower Stage	QFN	CSD97376CQ4M	TI	No
	Q27	BSS83P	MOSFET, Pch, -60V, -0.33A, 2 Ohm	SOT23	BSS83P	Infineon	Yes
	Q30	BSS123	MOSFET, Nch, 100V, 0.17A, 6 Ohm	SOT23	BSS123	Fairchild	Yes
	Q32	BSS123	MOSFET, Nch, 100V, 0.17A, 6 Ohm	SOT23	BSS123	Fairchild	Yes
	R3	1	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R6	1	Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R8	9.37k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R9	Short	Resistor, Power 1W, 1%,	612	WSK06121L000F	Vishay	Yes
	R10	Short	Resistor, Power 1W, 1%,	612	WSK06121L000F	Vishay	No
	R11	1m	Resistor, Power 1W, 1%,	612	WSK06121L000F	Vishay	Yes

	R13	6.34k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R14	2.94Meg	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R15	100k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R16	Open	Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R18	88.89k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R20	1.89Meg	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R22	0	Resistor, Chip, 1/16W, 5%	603	STD	STD	Yes
	R23	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	No
	R24	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	Yes
	R26	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	No
	R28	10k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R29	3.74k	Resistor, Chip, 1/16W, 5%	603	STD	STD	Yes
	R36	100k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R40	2.2	Resistor, Chip, 1/16W, 5%	603	STD	STD	Yes
	R41	2.3	Resistor, Chip, 1/16W, 5%	603	STD	STD	No
	R45	150k	Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R47	10k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R48	10k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R49	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	No
	R50	30.1k	Resistor, Chip, 1/16W, 5%	603	STD	Vishay	Yes
	R51	30.1k	Resistor, Chip, 1/16W, 5%	603	STD	Vishay	Yes
	R55	2.37k	Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R56	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R57	0	Resistor, Chip, 1/16W, 1%	603	STD	STD	No
	R58	10	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R59	0	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R60	15.28k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	No
	R61	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R62	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R63	2.96k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	No
	R64	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R65	10	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R68	2.37k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R69	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R70	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R71	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R72	15.28k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R73	1k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R74	1k	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R75	2.96k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R76	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R77	12k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R89	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	Yes
	R90	1	Resistor, Chip, 1/10W, 5%	805	STD	STD	Yes
	R106	15.0K	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R108	51K	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R116	1k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R117	100	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R118	3.0k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R119	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R120	330	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R123	1.0k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R124	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R125	1	Resistor, Chip, 1/16W, 5%	603	STD	Vishay	Yes
	R126	1.0k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R128	180	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R130	180	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R132	2.0K	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R134	180	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R137	0	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R142	10k	Resistor, Chip, 1/16W, 5%	603	STD	Vishay	Yes
	R152	126k	Resistor, Chip, 1/16W, 1%	603	Std	STD	Yes
	R156	10	Resistor, Chip, 1/16W, 5%	603	STD	Vishay	Yes
	R163	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R171	100k	Resistor, Chip, 1/16W, 1%	603	Std	STD	Yes
	R186	150k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R192	39k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R199	39k	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R219	10k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R220	100.0K	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R228	3.0k	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R229	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R234	100	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R235	56	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	Yes
	R236	100	Resistor, Chip, 1/16W, 1%	603	STD	Vishay	No
	R237	0	Resistor, Chip, 1/16W, 1%	603	STD	STD	Yes
	R238	100	Resistor, Chip, 1/16W, 1%	402	STD	STD	No
	R239	100	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R240	56	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R254	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R255	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R256	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes
	R257	0	Resistor, Chip, 1/16W, 1%	402	STD	STD	Yes

	R269	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD		Yes
	R270	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD		Yes
	R271	1Meg	Resistor, Chip, 1/16W, 1%	402	STD	STD		Yes
	R273	10k	Resistor, Chip, 1/16W, 1%	402	STD	STD		Yes
	RT3	10k	NTC Thermistor, 1%	603	STD	Murata		Yes
	RT4	10k	NTC Thermistor, 1%	603	STD	Murata		Yes
	RT7	10k	NTC Thermistor, 0603	603	STD	Murata		Yes
	S1	EG1218A	Switch, SPDT, Slide, PC-mount,	0.457 x 0.157 inch	EG1218A	E_Switch		Yes
	S2	EG1218A	Switch, SPDT, Slide, PC-mount,	0.457 x 0.157 inch	EG1218A	E_Switch		Yes
	SH1	SHORT	Short Jumper					Yes
	SH2	SHORT	Short Jumper					Yes
	SH3	SHORT	Short Jumper					Yes
	SH4	SHORT	Short Jumper					Yes
	SH7	SHORT	Short Jumper					Yes
	SH8	SHORT	Short Jumper					Yes
	TP1	VBAT	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP2	VREF	Test Point, O.032 Hole		5002	Keystone		Yes
	TP3	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone		Yes
	TP4	V5A	Test Point, O.032 Hole		5002	Keystone		Yes
	TP7	SLEWA	Test Point, O.032 Hole		5002	Keystone		Yes
	TP8	SV_OVS	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP9	CSW2	Test Point, O.032 Hole		5002	Keystone		Yes
	TP10	CSW1	Test Point, O.032 Hole		5002	Keystone		Yes
	TP11	VCORE	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP13	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone		Yes
	TP14	SV_DRV	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP15	DROOP	Test Point, O.032 Hole		5002	Keystone		Yes
	TP17	VCCIO	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP19	VIN	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP20	1.2V	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP22	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone		Yes
	TP23	F-IMAX	Test Point, O.032 Hole		5002	Keystone		Yes
	TP24	VDD	Test Point, O.032 Hole		5002	Keystone		Yes
	TP35	PWM1	Test Point, O.032 Hole		5002	Keystone		Yes
	TP36	PWM2	Test Point, O.032 Hole		5002	Keystone		Yes
	TP37	SKIP#	Test Point, O.032 Hole		5002	Keystone		Yes
	TP42	OCP-I	Test Point, O.032 Hole		5002	Keystone		Yes
	TP44	O-USR	Test Point, O.032 Hole		5002	Keystone		Yes
	TP51	CSP2	Test Point, O.032 Hole		5002	Keystone		Yes
	TP52	CSN2	Test Point, O.032 Hole		5002	Keystone		Yes
	TP56	CSP1	Test Point, O.032 Hole		5002	Keystone		Yes
	TP57	CSN1	Test Point, O.032 Hole		5002	Keystone		Yes
	TP64	AGND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone		Yes
	TP65	131-4244-00	Adaptor, 3.5-mm probe clip (or 131-5031-00)	0.200 inch	131-4244-00	Tektronix		Yes
	TP68	5V_Q	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP71	5V_CON	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP72	3.3V	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	TP78	VR_ON	Test Point, O.032 Hole		5002	Keystone		Yes
	TP79	CPGOOD	Test Point, O.032 Hole		5002	Keystone		Yes
	TP84	\VR_HOT	Test Point, O.032 Hole		5002	Keystone		Yes
	TP86	THERM	Test Point, O.032 Hole		5002	Keystone		Yes
	TP87	COMP	Test Point, O.032 Hole		5002	Keystone		Yes
	TP125	GND	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone		Yes
	TP126	SVIN	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		Yes
	U1	TPS53625	IC, 2-phase, D-CAP+™ Step-Down Controller for VR12.6V CPU	QFN	TPS53625RSM	TI		Yes
	U2	TPS7A8001DRB	IC, Low Noise, High-Bandwidth PSRR LDO 1A Linear Regula	DRB-8	TPS7A8001DRB	TI		Yes
	U4	TPS70102PWP	IC, Dual Low DropOut Regulator, 500-mA and 250-mA Out	PWP20	TPS70102PWP	TI		Yes
	U9	TLV3404IPW	IC, Nano Power, Open Output Comparators	PW14	TLV3404IPW	TI		Yes
	U11	rPGA947-HSW	Socket, CPU	BGA-989	rPGA947-HSW	FOXCONN		Yes
	U17	TPS71712DCK	IC, 150mA, Low Iq, Wide Bandwidth, LDO Linear Regulator	SC70	TPS71712DCK	TI		Yes
	U23	TS5A23157DGS	IC, Dual 10 Ohms SPDT Analog Switch	MSOP-10	TS5A23157DGS	TI		Yes

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