

TDINV3000W050B-KIT Bill of Materials (BOM)

Designator	Qty	Value	Description	Part Number	Manufacturer
HS1, HS2	2		529802B02500G_PINS	530002B02500G	Aavid Thermalloy
J2, J3, J4, J5	4		KEYSTONE_7691	7691	Keystone
LED1, LED2	2		LEDCHIP-LED0805	SML-211UTT86	Rohm
J1	1		PJ-002AH	PJ-002AH	CUI Inc
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10	10		TESTPOINT- KEYSTONE5015	DNI	DNI
U8	1	V7805-500	V7805-500	102-1709-ND	CUI Inc
C1, C10, C13, C14, C15, C16, C19, C20, C21, C22, C25, C27	12	.1u	C-USC0603	06033C104JAT2A	AVX
C8, C9	2	.1u	C-USC0805	08053C104KAT2A	AVX
R3	1	0	R-US_R1206	ERJ-8GEY0R00V	Panasonic
R21, R25	2	100k - S18274	R-US_R0603	ERJ-3GEYJ104V	Panasonic
R33, R34, R35, R36, R37, R38, R39, R40	8	1.6M	R-US_R1206	ERJ-8ENF1604V	Panasonic
R1	1	1k	R-US_R0805	ERJ-6GEYJ102V	Panasonic
C7, C12	2	1n	C-USC0805	06033D102KAT2A	CUI Inc
C26, C28	2	1n dni	C-USC0603	DNI	DNI
C42	1	2U B32674D6225K	B32674D6225K	B32674D6225K	Epcos
R18, R23	2	5.23k	R-US_R0603	ERJ-3EKF5231V	Panasonic
R32	1	9.09k	R-US_R1206	ERJ-8ENF9091V	Panasonic
R7, R9	2	10	R-US_R0805	ERJ-6GEYJ100V	Panasonic
R45, R46, R48, R49	4	10	R-US_R1210	AC1210FR-0710RL	Yageo
R19, R24	2	10.2k	R-US_R0603	ERJ-3EKF1022V	Panasonic
R11, R13, R15, R17	4	10k	R-US_R0603	ERJ-3GEYJ103V	Panasonic
R41, R43, R44, R51	4	10k	R-US_R1206	RC1206FR-0710KL	Yageo
C34, C35, C38, C39	4	10n / 630V	C-EUC1206	GRM31BR72J103KW01 L	Murata
C5, C36, C37, C40	4	10p	C-USC0603	C0603C100J3HAC7867	Kemet
C17, C18, C23, C24	4	10u	C-EUC0805	C0805C106M4PACTU	Kemet

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C4	1	10u	C-USC1206	CL31A106KAHNNNE	AVX
R4, R5	2	150k	R-US_R0603	RC0603FR-07150KL	Yageo
RSN1, RSN2, RSN3, RSN4, RSN5, RSN6, RSN7, RSN8	8	20 DNI	R-US_R1206	DNI	DNI
C2	1	22u	C-USC1206	CL31A226KAHNNNE	Samsung Electronics
R10, R12, R14, R16	4	35	R-US_R0603	RP73PF1J34R8BTDF	TE Connectivity
R20, R22	2	0 - SI8274	R-US_R0603	ERJ-3GEY0R00V	Panasonic
C31, C32	2	100nF	C-EUC1206	CL31F104MBCNNNC	Samsung Electronics
C33	1	100pF (10v)	C-USC0603	885012006008	Würth Electronics
CSN1, CSN2, CSN3, CSN4	4	100pF DNI	C-EUC1206	DNI	DNI
C3, C11	2	100u	PANASONICFPV	EEE-FPE101XAP	Panasonic
FB1, FB2, FB3, FB4	4	120	R-US_R0603	BLM18KG121TH1D	Murata
R42	1	220	R-US_R1206	RC1206JR-07220RL	Yageo
C29, C30	2	220pF	C-EUC1206	885012008014	Würth Electronics
L1, L2	2	440uH	440uH	P11055	mps
R2	1	348	R-US_R0805	ERJ-6ENF3480V	Panasonic
R28, R29, R30, R31	4	680k	R-US_R1206	ERJ-P08J684V	Panasonic
D1, D2	2	ES1J	DIODE-DO-214AC	ES1J	Fairchild
U5, U6	2	MCS1802GS-40-P	MCS1802GS-40-P	MCS1802GS-40-P	MPS
U\$1	1	MECF-30-01-L-DV-WT	MECF-30-01-L-DV-WT	MECF-30-01-L-DV-WT	Samtec Inc
C6	1	MKP1848622454P4 / 630V	MKP1848622454P4	MKP1848625454P4	Vishay
U7	1	OPA2350UA/2K5	OP_JC	OPA2350UA/2K5	Texas Instruments
U3, U4	2	SI8274	SI8274	SI8274GB1-IS1R	SiLabs
Q1, Q2, Q3, Q4	4	TP65H050G4WS	TP65H050G4WS	TP65H050G4WS	Transphorm
U1	1	TPS79533	TPS79533	TPS79533DCQR	TI
C43, C44	2	dni .1u	C-USC2225K	DNI	DNI
**BETWEEN TP65H050G4 WS (Q1, Q3) AND HEATSINK	2	THERMAL PAD	**BETWEEN TP65H050G4WS (Q1, Q3) AND HEATSINK	4169G	Aavid Thermalloy

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"screw on TP65H050G4 WS to heatsink	2	4-40 SCREW	"screw on TP65H050G4WS to heatsink	PMSSS 440 0063 PH	B&F
To place under PCB (5 locations: 4 each corner, 1 in the middle	5	bumper cylin 0.312" dia blk	To place under PCB (5 locations: 4 each corner, 1 in the middle	SJ-5003 (BLACK)	3M
To be inserted to U\$1	1	MA330048	MA330048	Microchip PIM DSPIC33	Microchip