

TDINV3500P100-KIT Bill of Materials (BOM)

Designator	Qty	Value	Description	Part Number
HS1, HS2	2		529802B02500G_PINS	530002B02500G
J2, J3, J4, J5	4		KEYSTONE_7691	7691
LED1	1		LEDCHIP-LED0805	SML-211UTT86
J1	1		PJ-002AH	PJ-002AH
U_VDS, V_VDS	2		TEKTRONIX-PCB	131-4353-00
TP3, TP4, TP5, TP6, TP9, TP10	6		TESTPOINT-KEYSTONE5015	5015
C1, C13, C14, C15, C16, C19, C20, C21, C22, C25, C27	11	.1u	C-USC0603	06033C104JAT2A
C8, C9, C10, C11	4	.1u	C-USC0805	08053C104KAT2A
C5	1	.1u DNI	C-USC2225K	DNI
C43, C44	2	.1u	C-USC2225K	VJ2225Y104KXGAT
R54, R55	2	0	R-US_R0603	RCS06030000Z0EA
R3	1	0	R-US_R1206	ERJ-8GEY0R00V
R33, R34, R35, R36, R37, R38, R39, R40	8	1.6M	R-US_R1206	ERJ-8ENF1604V
R1	1	1k	R-US_R0805	ERJ-6GEYJ102V
C7, C12	2	1n	C-USC0805	CC0805KRX7R9BB102
C26, C28	2	1n DNI	C-USC0603	DNI
C42	1	5uF	5uF	C4AE0BU4500A11J
R18, R23	2	5.23k	R-US_R0603	ERJ-3EKF5231V
R4, R5	2	5.76k	R-US_R0603	ERJ-3EKF5761V
R22, R27, R32	3	9.09k	R-US_R1206	ERJ-8ENF9091V
R10, R12, R14, R16	4	10	R-US_R0603	RT0603DRE0710RL
R6, R7, R8, R9	4	10	R-US_R0805	ERJ-6GEYJ100V
R45, R46, R48, R49	4	10	R-US_R1206	ERJ-8ENF10R0V
R19, R24	2	10.2k	R-US_R0603	ERJ-3EKF1022V
R11, R13, R15, R17	4	10k	R-US_R0603	ERJ-3GEYJ103V

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R41, R42, R43, R44, R51	5	10k	R-US_R1206	RC1206FR-0710KL
C34, C35, C38, C39	4	10n / 1200V	C-EUC1206	CS1206KKX7RCBB103
C17, C18, C23, C24	4	10u	C-EUC0805	CL21A106KAYNNNG
C4	1	10u	C-USC1206	CL31A106KAHNNNE
RSN1, RSN2, RSN3, RSN4	4	15 DNI	R-US_R1206	DNI
C6	1	20uF	20uF	MKP1848C62090JP4
CSN1, CSN2, CSN3, CSN4	4	22pF DNI	C-EUC1206	DNI
C2	1	22u	C-USC1206	CL31A226KAHNNNE
C31, C32	2	100nF	C-EUC1206	CL31F104MBCNNNC
C33	1	100pF (10v)	C-USC0603	885012006008
C3	1	100u	PANASONICFPV	EEE-FPE101XAP
FB1, FB2, FB3, FB4	4	120	FB0603	MMZ1608B121CTAHO
C29, C30	2	220pF	C-EUC1206	885012008014
R2	1	348	R-US_R0805	B32674D6225K
R20, R21, R25, R26	4	560k	R-US_R1206	RC1206FR-07560KL
R28, R29, R30, R31	4	680k	R-US_R1206	ERJ-P08J684V
U5, U6	2	ACS723	ACS723	ACS723LLCTR-20AB-T
CN1	1	DIM100_TICONTROLCARD	DIM100_TICONTROLCARD	5390213-1
R52, R53	2	DNI	R-US_R0603	DNI
D1, D2	2	ES1J	DIODE-DO-214AC	ES1J
U7	1	OPA2350UA/2K5	OP_JC	OPA2350UA/2K5
L1, L2	2	P11011_440UH	P11011_440UH	P11011
U2	1	PTH08080WAH	PTH08080WAH	PTH08080WAH
U3, U4	2	SI8230	SI8230	SI8230BB-D-IS
Q1, Q2, Q3, Q4	4	TP90H180PS	TP90H180PS	TP90H180PS
U1	1	TPS79533	TPS79533	TPS79533DCQR
	2	Q1, Q3 insulator		SP2000-0.015-00-54
	2	Q2, Q4 insulator		53-77-9G

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Designator	Qty	Value	Description	Part Number
Screw on TP90H180 PS to heatsink	2	Screw on TP90H180PS to heatsink	Screw on TP90H180PS to heatsink	9902
Nut to mount TP90H180 PS to heatsink	2	Nut to mount TP90H180PS to heatsink	Nut to mount TP90H180PS to heatsink	9600
Nylon washer shoulder in between screw/nut and TP90H180 PS	4	Nylon washer shoulder in between screw/nut and TP90H180PS	Nylon washer shoulder in between screw/nut and TP90H180PS	3049
Bumper to be placed under PCB (5 locations: 4 each corner, 1 in the middle)	5	To place under PCB (5 locations: 4 each corner, 1 in the middle)	To place under PCB (5 locations: 4 each corner, 1 in the middle)	SJ-5003(BLACK)
CUI Inc	1	12Vdc aux supply	12Vdc aux supply	SMI6-12-K-P5
Texas Instruments	1	CONTROL CARD PICCOLO ISO F28035	CONTROL CARD PICCOLO ISO F28035	TMDSCNCD28035ISO