

** TEXAS INSTRUMENTS Of Materia

TIPD117: 12-bit 1-MSPS Dual Channel Data Acquisiton System

Item #	Quantity	Value	Designator	Description	Manufacturer	Part Number	Supplier Part Number 1
1	4	0.1uF	C63,C64,C99,C100	CAPACITOR,SMT,0402,CER,16V,10%,0.1uF	AVX	0402YC104KAT2A	CAP,SMT,0402
2	2 4		C69,C70,C71,C72	(Uninstalled Part) CAP SMT0402 UNINSTALLED	Uninstalled	CAP-SMT0402-UNINSTALLED	CAP,SMT,0402
3		0.1uF	C75,C113	CAPACITOR,SMT,0402,CERAMIC,0.1uF,25V,10%	AVX	04023C104KAT2A	CAP,SMT,0402
4	3	10uF	C92,C114,C115	CAPACITOR,SMT,0603,CERAMIC,10uF,10V,20%,X5R	TAIYO YUDEN	LMK107BJ106MALTD	CAP,SMT,0603
5	2	0.0015uF	C97,C98	CAPACITOR,SMT,0402,CERAMIC,1500pF,50V,5%,C0G/NP0	KEMET	C0402C152J5GACTU	CAP,SMT,0402
6		0.22uF		CAPACITOR,SMT,0402,CERAMIC,0.22uF,10V,-20~+80%,Y5V(F)	AVX	0402ZG224ZAT2A	CAP,SMT,0402
7		1uF	C111,C112,C116,C117,C118,C119	CAPACITOR,SMT,0603,CERAMIC,1.0uF,16V,10%,X7R	TDK	C1608X7R1C105K	CAP,SMT,0603
8		0.01uF	C120,C121,C122,C123,C124,C125	Uninstalled		06033C103KAT2A(UN)	Uninstalled
9		10uF		CAPACITOR,SMT,0805,CERAMIC,10uF,10V,10%,X7R	MURATA		CAP,SMT,0805
10			DUT2	DUT,SMT,16P,QFN,RTE-16,3x3x1mm,0.5mmLS,HS PAD	TI	DUT_QFN_RTE-16	IC,SMT,QFN-16
11	1	value	J1	HEADER,SMT,120P,0.5mm,FEM,2BANK,RECEPTACLE,168/198H	SAMTEC	QTH-060-01-L-D-A	HEADER,SMT,120P
12			J1	HEADER,SMT,120P,0.5mm,FEM,2BANK,RECEPTACLE,168/198H	SAMTEC	QTH-060-01-L-D-A	HEADER,SMT,120P
13		THDCON	J1	HEADER,SMT,120P,0.5mm,FEM,2BANK,RECEPTACLE,168/198H		QTH-060-01-L-D-A	HEADER,SMT,120P
14			K1,K3	SPDT,5V,125 OHM,LATCH,10P,2COILS	PANASONIC / NAIS	TN2-L2-5V	RELAY,THRU,10P
15	7	49.9ohms	R55,R56,R87,R88,R110,R111,R112	RESISTOR,SMT,0402,49.9 OHM,0.1%1/16W	VISHAY	TNPW040249R9BEED	RES,SMT,0402
16	1	10Kohms	R57	RESISTOR,SMT,0402,THIN FILM,10.0K,0.1%,1/16W,25ppm	SUSUMU	RG1005P-103-B-T5	RES,SMT,0402
17		4.7ohms		RESISTOR,SMT,0402,4.7 OHM,5%,1/16W	VISHAY	CRCW04024R70JNED	RES,SMT,0402
18	8	1Kohms	R89,R90,R91,R92,R93,R94,R95,R96	RESISTOR,SMT,0402,THIN FILM,1.00K,0.1%,1/16W,25ppm	SUSUMU	RG1005P-102-B-T5	RES,SMT,0402
19				(UNINSTALLED PART)	VISHAY	CRCW0402000Z(UN)	RES,SMT,0402
20	1	0ohms	R104	ZERO OHM JUMPER,SMT,0402,THICK FILM,0 OHM,1/16W,5%	VISHAY	CRCW0402000Z	RES,SMT,0402
21		0ohms	R105	RESISTOR/JUMPER,SMT,0402,0 OHM,5%,1/16W	PANASONIC	ERJ-2GE0R00X	RES,SMT,0402
22		49.9ohms		RESISTOR,SMT,0402,49.9 OHM,1/16W,1%,100ppm	VISHAY		RES,SMT,0402
23	5	20Kohms	R108,R109,R114,R115,R116	RESISTOR,SMT,0402,20K,1/16W,1%,100ppm	VISHAY	CRCW04022002F100	RES,SMT,0402
24	3	0ohms	R117,R118,R119	RESISTOR,SMT,0402,0 OHM,1/16W,ZERO JUMPER	VENKEL	CR0402-16W-000T	RES,SMT,0402
25	4	10Kohms	R120,R121,R122,R123	Uninstalled	Uninstalled	ERA-3YEB103V(UN)	Uninstalled
26	2	0ohms	R124,R125	Uninstalled	Uninstalled	CRCW04020000Z0ED(UN)	Uninstalled
27	2		TP1,TP2	TEST POINT SMT, C SHAPE	COMPONENTS CORP	TP108(UN)	TESTPOINT
28	2		U1,U2	WIDEBAND LOW-DISTORTION FULLY DIFFERENTIAL AMPLIFIER	TI	THS4531IDGKT	IC,SMT,8P
29	2		U4,U5	DUAL-BIT DUAL SUPPLY BUS TRANSCEIVER	TI	SN74LVC2T45DCT	IC,SMT,8P
30	1		U6	SINGLE BIT DUAL SUPPLY BUS TRANSEIVER	TI	SN74LVC1T45DBVR	IC,SMT,SOT23-6

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