

# Bill of Materials

TI DESIGNS  
TIDA-00419

DESIGNATOR	QUANTITY	DESCRIPTION	MANUFACTURER	PART NUMBER
C17, C25, C26, C29, C30, C33, C37, C40, C49, C51, C52, C56, C59, C62, C64, C76, C78, C80, C82, C84, C86, C94, C95, C96, C97, C98, C99, C101, C103, C105, C106, C110, C111, C112, C113, C114, C115, C120, C122, C124, C125, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C153, C154, C155, C160, C162, C163, C164, C165, C166, C167, C170, C171, C173, C174, C177, C178, C179, C180	82	CAP,SMT,0402	AVX	0402YC104KAT2A
C53,C60	2	CAP,SMT,0402	AVX	0402YC471KAT2A
C10, C74	2	CAP,SMT,0402	AVX	0402YC222KAT2A

DESIGNATOR	QUANTITY	DESCRIPTION	MANUFACTURER	PART NUMBER
C1, C54, C57, C67, C68, C69, C152, C157, C158, C168, C181	11	CAP,SMT,0402	KEMET	C0402C104K8PAC
C73, C89	4	CAP,SMT,0402	KEMET	C0402C152J5GACTU
C77, C79, C81, C83, C85, C87, C104, C126	8	CAP,SMT,0402	TDK	C1005X5R0J105M
C71, C72, C117, C127	4	CAP,SMT,0402	PANASONIC	ECJ-0EB1A105M
C107, C108, C109, C116, C118, C119, C121, C123	8	CAP,SMT,0402	PANASONIC	ECJ-0EB1C153K
C32	1	CAP,SMT,0402	PANASONIC	ECJ-0EB1H102K
C22, C23, C24, C41	4	CAP,SMT,0402	PANASONIC	ECJ-0EB1H332K
C175, C176	2	CAP,SMT,0402	PANASONIC	ECJ-0EC1H470J
C156	1	CAP,SMT,0402	PANASONIC	ECJ-0EC1H820J
C5, C7, C8, C12, C15,	9	CAP,SMT,0603	AVX	06033C104JAT2A
C38, C39, C58, C63, C9	7	CAP,SMT,0603	AVX	0603YD105KAT2A
C4	1	CAP,SMT,0603	TAIYO YUDEN	AMK107BJ226MA-T
C75, C93, C129	3	CAP,SMT,0603	PANASONIC	ECJ-1VB0J106M
C6, C11	2	CAP,SMT,0603	PANASONIC	ECJ-1VB1C105K
C31	1	CAP,SMT,0603	MURATA	GRM188C80G475KE19
C18, C19, C45, C46	4	CAP,SMT,0805	TAIYO YUDEN	JMK107BJ106MA-T
C20, C21, C35, C36, C169	6	CAP,SMT,1206	KEMET	C0805C332F3GACTU
C43	1	CAP,SMT,1210	KEMET	C1206C226K8PAC
C16, C34, C128	4	CAP,SMT,7343	AVX	1210ZG226ZAT2A
C50	1	CAP,SMT,7343	VISHAY SPRAGE	293D226X9016D2T
C2, C3, C55, C61, J1, J3, J5, J7, J9, J10,	8	CAP,SMT,TAN,0805	VISHAY SPRAGE	293D226X9016D2T
FB16	1	CAPACITOR,SMT,TANT	AVX	TACH106M010R
FB1, FB2, FB3, FB4, P1	17	CONNECTOR,SMA	AVX	TPSC226K016R0375
P10	1	FERRITE BEAD,SMT,0402	AMPHENOL	901-144-8
JP9	1	FERRITE BEAD,SMT,2P	MURATA	BLM15BD102SN1D
		HEADER, THRU, 3P	STEWART	HI0805R800R-00
		HEADER,SMT,120P	MOLEX	39357-0003
		HEADER,THU	SAMTEC	QTH-060-01-L-D-A
			SAMTEC	TSW-103-07-G-D

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JP1, JP2	2	HEADER,THU	SAMTEC	TSW-104-07-G-D
J16, JP50, JP51	3	HEADER,THU,5P	TYCO	4-103239-0X5
P13, P14	2	HEADER,THU,9P	SPC TECH	8431-1x9
JP10, JP16, JP17,	11	HEADER,THU,JUMPER	TYCO	4-103239-0x2
JP3, JP6, JP15, JP52,	11	HEADER,THU,JUMPER	TYCO	4-103239-0x3
U16, U20, U21	3	IC,SMT,SOIC-16W	Texas Instruments	ISO7240MDW
U13	1	IC,SMT,SOIC-8	Texas Instruments	OPA211AID
U2	1	IC,SMT,SOIC-8	Texas Instruments	REF5025AID
U18	1	IC,SMT,SOT223-6	Texas Instruments	TPS79601DCQR
U14	1	IC,SMT,SOT223-6	Texas Instruments	TPS79618DCQR
U1, U12	2	IC,SMT,SOT223-6	Texas Instruments	TPS79633DCQR
U11	1	IC,SMT,SOT23-5	Texas Instruments	SN74LVC1G06DBV
U19	1	IC,SMT,SSOP-28	FTDI	FT245RL
VCON_OPAMP	1		Texas Instruments	THS4131ID
LED41, LED42, LED43	3	LED,SMT,0603	PANASONIC	LNJ208R82RA
LED-5V, LED33VA,	5	LED,SMT,0603	PANASONIC	LNJ308G8PRA
LED18VA	1	LED,SMT,0603	PANASONIC	LNJ808R8ERA
U17	1	OSCILLATOR,SMT,4P	ECS	ECS-3953M-400-BN
R2, R5, R14, R63,	7	RES,SMT,0402	VENKEL	CR0402-16W-000T
R50, R92	2	RES,SMT,0402	VISHAY	CRCW04021001F100
R95	1	RES,SMT,0402	VISHAY	CRCW04021002F100
R44, R91	2	RES,SMT,0402	VISHAY	CRCW04022002F100
R80, R81, R82	3	RES,SMT,0402	VISHAY	CRCW04024990F100
R58	1	RES,SMT,0402	VISHAY	CRCW04025110F100
R56	1	RES,SMT,0402	PANASONIC	ERJ-2GE0R00X
R28, R29, R30, R32,	6	RES,SMT,0402	PANASONIC	ERJ-2GEJ131
R51, R52, R54, R55	4	RES,SMT,0402	PANASONIC	ERJ-2GEJ391
R23, R24, R26, R27,	6	RES,SMT,0402	PANASONIC	ERJ-2GEJ820
R25, R40, R42, R76,	8	RES,SMT,0402	PANASONIC	ERJ-2RKF1000X
R59, R90, R94	3	RES,SMT,0402	PANASONIC	ERJ-2RKF3320X
R83, R88, R96	3	RES,SMT,0402	PANASONIC	ERJ-2RKF49R9X
R53, R57	2	RES,SMT,0603	VISHAY	CRCW0603200F
R87	1	RES,SMT,0603	VISHAY	CRCW06033012F
R86	1	RES,SMT,0603	VISHAY	CRCW06034321F
R60	1	RES,SMT,0603	PANASONIC	ERJ-3GSYJ153

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R3, R12	2	RES,SMT,0603	VISHAY	TNPW06034750BT9
R18, R19, R38, R39,	8	RES,SMT,0603	VISHAY	TNPW06034990BT9
R9, R36, R37	3	RES,SMT,0603	VISHAY	TNPW060349R9BEEN
TP2, TP13, TP14VD,	7	TESTPOINT,THU,1P	KEystone	5000
GND1, GND2, GND3,	4	TESTPOINT,THU,1P	KEystone	5001
TP1, TP-5V	2	TESTPOINT,THU,1P	KEystone	5002
TP3, TP4, TP5, TP6,	13	TESTPOINT,THU,1P	KEystone	5004
T3	1	TRANSF,SMT,6P	MINI-CIRCUITS	ADT4-1WT
VR2, VR3	2	TRIMPOT,THU,3P	BOURNS	3296W-1-103
VR1	1	TRIMPOT,THU,3P	BOURNS	3296W-1-205
	4	SCREW STEEL M3 THR 6MM	Digi-Key	29311K-ND
	4	STANDOFF HEX M3 THR ALUM 18MM	Digi-Key	24436K-ND
	20	SHUNT-JUMPER	Molex	15-29-1025
R10, R64	2	RES,SMT,0402	SUSUMU	RG1005N152B
R61, R74	4	RES,SMT,0402	SUSUMU	RG1005N202B
R4, R13	4	UNINSTALLED	SUSUMU	RG1005N202B
C27, C28, C42, C44,	6	UNINSTALLED	UNINSTALLED	0402YC104KAT2A(UN)
R1, R6, R7, R8, R11,	11	UNINSTALLED	UNINSTALLED	CRCW04020000Z0ED(U
R33	6	RES,SMT,0402	PANASONIC	ERJ-2GEJ820
R31	6	RES,SMT,0402	PANASONIC	ERJ-2GEJ131
R35	1	RES,SMT,0402	PANASONIC	ERJ-2GEJ161
R20, R21, R22, R41	4	RES,SMT,0603	PANASONIC	ERJ-3GSYJ102(UN)
R65, R66, R67, R68,	8	RES,SMT,0402	PANASONIC	ERJ-2GEJ49R9(UN)
R45	1	RES,SMT,0402	VISHAY	CRCW04024701F100
USB1	1	CONN,SMT,5P	ADVANCED	MNE20-5K5P10
J2, J4, J6, J8, J14,	7	CONN,THU,SMA JACK	EFJOHNSON	EFJOHNSON
DUT1	1	Analog Front End	Texas Instruments	AFE5809

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