

# Bill of Materials

TI DESIGNS

TIDA-00630

Qty	Value	Ref Des	Package_ Case	Part Category	Distributor	Distributor Part No	Manufacturer	Manufacturer Part No	Component Class
4	0.1µF	C4,C5,C142,C143	0201	Capacitors	Digi-Key	445-7313-2-ND	TDK Corporation	C0603X5R1C104K	SMT
8	0.1µF	C48,C49,C57,C58, C62,C63,C152,C1 53	0201	Capacitors	Digi-Key	445-7313-2-ND	TDK Corporation	C0603X5R1C104K	SMT
1	0.1µF	C2	0402	Capacitors	Digi-Key	399-3521-2-ND	TDK Corporation	C1005X7R1C104K	SMT
17	0.1µF	C13,C14,C15,C21, C22,C24,C32,C34, C61,C66,C67,C69, C70,C72,C147,C1 49,C151	0402	Capacitors	Digi-Key	399-3521-2-ND	TDK Corporation	C1005X7R1C104K	SMT
10	0.1µF	C43,C44,C45,C46, C47,C52,C53,C54, C55,C56	0402	Capacitors	Digi-Key	399-3521-2-ND	TDK Corporation	C1005X7R1C104K	SMT
7	0.1µF	C92,C122,C123,C 128,C131,C133,C 134	0402	Capacitors	Digi-Key	399-3521-2-ND	TDK Corporation	C1005X7R1C104K	SMT
6	0.1µF	C93,C99,C100,C1 03,C116,C117	0402	Capacitors	Digi-Key	399-3521-2-ND	TDK Corporation	C1005X7R1C104K	SMT
1	0.1µF	C109	0402	Capacitors	Digi-Key	399-3521-2-ND	TDK Corporation	C1005X7R1C104K	SMT

1	0.22µF	C75	0402	Capacitors	Venkel	C0402X5R6R3-224KNE	Venkel	C0402X5R6R3-224KNE	SMT
2	0.47µF	C90,C95	0402	Capacitors	Digi-Key	490-3264-2-ND	Murata Electronics North America	GRM155R61A474K E15D	SMT
2	1.0µF	C10,C101	0402	Capacitors	Digi-Key	587-1454-2-ND	Taiyo Yuden	LMK105BJ105KV-F	SMT
3	1.0µF	C84,C86,C87	0402	Capacitors	Digi-Key	587-1454-2-ND	Taiyo Yuden	LMK105BJ105KV-F	SMT
2	1.0µF	C118,C129	0402	Capacitors	Digi-Key	587-1454-2-ND	Taiyo Yuden	LMK105BJ105KV-F	SMT
1	10000pF	C3	0402	Capacitors	Digi-Key	490-4516-2-ND	Murata Electronics North America	GRM155R71H103K A88D	SMT
6	10000pF	C11,C12,C16,C17,C19,C20	0402	Capacitors	Digi-Key	490-4516-2-ND	Murata Electronics North America	GRM155R71H103K A88D	SMT
6	10000pF	C78,C79,C80,C81,C88,C89	0402	Capacitors	Digi-Key	490-4516-2-ND	Murata Electronics North America	GRM155R71H103K A88D	SMT
1	10000pF	C110	0402	Capacitors	Digi-Key	490-4516-2-ND	Murata Electronics North America	GRM155R71H103K A88D	SMT
2	10000pF	C126,C141	0402	Capacitors	Digi-Key	490-4516-2-ND	Murata Electronics North America	GRM155R71H103K A88D	SMT
1	1000pF	C111	0402	Capacitors	Digi-Key	445-1256-2-ND	TDK Corporation	C1005X7R1H102K	SMT
3	100pF	C124,C125,C135	0402	Capacitors	Digi-Key	311-1024-2-ND	Murata Electronics North America	GRM1535C1H101J DD5D	SMT
3	10µF	C18,C23,C76	0402	Capacitors	Digi-Key	1276-1451-2-ND	Samsung	CL05A106MQ5NUN C	SMT

1	1300pF	C130	0402	Capacitors	Digi-Key	490-6273-1-ND	Murata Electronics North America	GRM1557U1A132J A01D	SMT
2	18pF	C8,C9	0402	Capacitors	Digi-Key	490-5858-2-ND	Murata Electronics North America	GRM1555C1H180J Z01D	SMT
1	2200pF	C108	0402	Capacitors	Digi-Key	587-1221-2-ND	Taiyo Yuden	UMK105B7222KV-F	SMT
2	220pF	C82,C83	0402	Capacitors	Digi-Key	445-1251-2-ND	Panasonic Electronic Components	ECJ-0EC1H221J	SMT
1	4.7μF	C33	0402	Capacitors	Digi-Key	445-8023-2-ND	TDK Corporation	C1005X5R1A475M	SMT
1	680pF	C140	0402	Capacitors	Digi-Key	490-3240-2-ND	Murata Electronics North America	GRM1555C1H681J A01D	SMT
1	1.0μF	C77	0603	Capacitors	Digi-Key	445-1604-2-ND	TDK Corporation	C1608X7R1C105K	SMT
2	1.0μF	C144,C145	0603	Capacitors	Digi-Key	445-1604-2-ND	TDK Corporation	C1608X7R1C105K	SMT
1	10μF	C85	0603	Capacitors	Mouser	81-GRM188R61E106MA3D	Murata Electronics North America	GRM188R61E106M A73-	SMT
1	10μF	C146	0603	Capacitors	Mouser	81-GRM188R61E106MA3D	Murata Electronics North America	GRM188R61E106M A73-	SMT
1	22μF	C148	0603	Capacitors	Digi-Key	1276-1274-2-ND	Samsung	CL10A226MP8NUNE	SMT
1	10μF	C1	0805	Capacitors	Digi-Key	445-14419-1-ND	TDK Corporation	C2012X5R1V106M085AC	SMT
1	10μF	C74	0805	Capacitors	Digi-Key	445-14419-1-ND	TDK Corporation	C2012X5R1V106M085AC	SMT
1	4.7μF	C102	0805	Capacitors	Digi-Key	587-1782-2-ND	Taiyo Yuden	TMK212BJ475KG-T	SMT

3	10µF	C91,C94,C104	1206	Capacitors	Digi-Key	587-1337-2-ND	Taiyo Yuden	TMK316BJ106KL-T	SMT
3	47µF	C105,C106,C107	1206	Capacitors	Digi-Key	587-1780-1-ND	Taiyo Yuden	LMK316BJ476ML-T	SMT
7	22µF	C96,C97,C112,C113,C114,C115,C121	1206	Capacitors	Verical	GRM31CR61E226KE15L	Murata Electronics North America	GRM31CR61E226KE15L	SMT
4	22µF	C68,C71,C150,C157	7343-31 (EIA)	Capacitors	Digi-Key	399-3880-2-ND	Kemet Electronic Components	T495D226K035AT E300	SMT
1	330µF	C120	D 8.0 H 10.2	Capacitors	Digi-Key	PCE3906CT-ND	Panasonic Electronic Components	EEE-1EA331UP	SMT
2	470µF	C137,C138	D10.0 H10.2	Capacitors	Digi-Key	PCE3805TR-ND	Panasonic Electronic Components	EEEFK1E471P	SMT
1	100µF - LESR	C139	D6.3 H7.7	Capacitors	Allied Electronics	70258034	Panasonic Electronic Components	EEE-1VA101XP	SMT
4	TPD6E05U06RVZR	U17,U18,U19,U33	14-UFDNFN	Circuit Protection	Texas Instruments	TPD6E05U06RVZR	Texas Instruments	TPD6E05U06RVZR	SMT
5	TPD2EUSB30DRTR	U34,U36,U37,U38,U39	SOT-3	Circuit Protection	Texas Instruments	TPD2EUSB30DRTR	Texas Instruments	TPD2EUSB30DRTR	
4	HTSW-150-07-G-S	J4,J19	0.1"	Connectors	Digi-Key	S1011EC-40-ND	Samtec Inc	HTSW-150-07-G-S	Through Hole
3	HTSW-150-07-G-S	TP1,TP2,TP3	0.1"	Connectors	Digi-Key	S1011EC-40-ND	Samtec Inc	HTSW-150-07-G-S	Through Hole
1	10 Pin Shrouded R/A	J18	0.1"	Connectors	Digi-Key	3M15452-ND	3M	30310-5002HB	Through Hole

5	HTSW-150-08-G-D-RA	J13	0.1x0.1"	Connectors	Digi-Key	S2112E-36-ND	Samtec Inc	HTSW-150-08-G-D-RA	Through Hole
3	USB-TYPE C top mount	J1,J9,J10	SMT	Connectors	Texas Instruments	UT12113-11601-7H	Foxconn	UT12113-11601-7H	SMT
1	Mini display port	J2	SMT-T/H version	Connectors	Texas Instruments	664-200260S60300-	Bizlink	664-200260S60300-	Through Hole
1	Power Jack	J16	Through Hole	Connectors	IMPACT COMPUTER	JPD1135-509-7F-	Foxconn	JPD1135-509-7F-	Through Hole
1	USB 3.0 Type A	J20	Through Hole, Vertical	Connectors	Digi-Key	WM10421-ND	Molex Connector Corporation	0484080003	Through Hole
1	USB 3.0, Super Speed	J11	USB - A, Receptacle	Connectors	Digi-Key	GSB311131HR-ND	Amphenol Commercial Products	GSB311131HR	Through Hole
1	24MHZ	Y1	5.00mm x 3.20mm	Crystals & Oscillators	Digi-Key	CTX1165TR-ND	CTS-Frequency Controls	445C25D24M00000	SMT
3	N-Channel	Q12,Q13,Q14	0402	Discrete Semiconductor Products	Texas Instruments	CSD17483F4	Texas Instrument	CSD17483F4T	SMT
3	CDBU00340	D15,D16,D17	0603	Discrete Semiconductor Products	Digi-Key	641-1006-1-ND	Comchip Technology	CDBU00340	SMT
3	MOSFET P-CH	Q4,Q5,Q7	8-SOIC	Discrete Semiconductor Products	Digi-Key	FDS6675BZTR-ND	Fairchild Semiconductor	FDS6675BZ	SMT

1	CSD87330Q3D	U32	8-SON	Discrete Semiconductor Products	Texas Instruments	CSD87330Q3D	Texas Instruments	CSD87330Q3D	SMT
1	CSD87331Q3D	U30	8-SON	Discrete Semiconductor Products	Texas Instruments	CSD87331Q3D	Texas Instruments	CSD87331Q3D	SMT
2	N-Channel	Q2,Q3	8-SON	Discrete Semiconductor Products	Texas Instruments	CSD17309Q3	Texas Instrument	CSD17309Q3	SMT
2	Single	D8,D13	SMA	Discrete Semiconductor Products	Digi-Key	B340A-FDICT-ND	Diodes Inc	B340A-13-F	SMT
2	BAT46W-V-GS08	D9,D11	SOD-123	Discrete Semiconductor Products	Digi-Key	BAT46W-V-GS08TR-ND	Vishay Semiconductors	BAT46W-V-GS08	SMT
2	N-Channel	Q6,Q8	SOT-23-3	Discrete Semiconductor Products	Digi-Key	568-5818-1-ND	NXP Semiconductors	2N7002P,215	SMT
1	NPN	Q1	SOT-23-3	Discrete Semiconductor Products	Digi-Key	MMBT3904-FDITR-ND	Diodes Inc	MMBT3904-7-F	SMT
2	220	FB1,FB7	0603	Filters	Digi-Key	445-1565-2-ND	TDK Corporation	MPZ1608S221A	SMT
2	220	FB6,FB8	0603	Filters	TTI	BLM18EG221SN1D	Murata Electronics North America	BLM18EG221SN1D	SMT
2	21	FB2,FB5	0805	Filters	Digi-Key	587-1765-2-ND	Taiyo Yuden	FBMJ2125HM210NT	SMT

2	56 ohm @ 100Mhz	FB3,FB4	1612	Filters	Digi-Key	732-3421-1-ND	Wurth Electronics Inc	74279223560	SMT
7	25mm M3	MH1,MH2,MH3,MH4,MH5,MH6,MH7	Hex F/F	Hardware	Mouser	534-24438	Keystone Electronics	24438	Hardware
1	4.7µH	L1	10.10mm x 10.10mm x 6.50mm	Inductors_Coils_Chokes	Digi-Key	587-3150-1-ND	Taiyo Yuden	NS10165T4R7NNA	SMT
1	10µH	L2	12.5mm x 12.5mm x 6mm	Inductors_Coils_Chokes	Digi-Key	513-1525-1-ND	Cooper Bussmann	DR125-100-R	SMT
1	3.3µH	L3	12.5mm x 12.5mm x 8mm	Inductors_Coils_Chokes	Digi-Key	513-1221-1-ND	Cooper Bussmann	DR127-3R3-R	SMT
2	TPS2559 DRCR	U20,U22	10-VSON	Integrated Circuits	Texas Instruments	TPS2559DRCR	Texas Instruments	TPS2559DRCR-	SMT
1	TPS2546 RTET	U24	16-WQFN	Integrated Circuits	Texas Instruments	TPS2546RTER	Texas Instruments	TPS2546RTET	SMT
1	TPS5331 8DQPT	U29	22-QFN	Integrated Circuits	Texas Instruments	TPS53318DQPT	Texas Instruments	TPS53318DQPT	SMT
1	HD3SS4 60	U1	28-QFN	Integrated Circuits	Texas Instruments	HD3SS460RHRR	Texas Instruments	HD3SS460RHRR	SMT
1	LM25119 PSQE/N OPB	U31	32-WFQFN	Integrated Circuits	Texas Instruments	LM25119PSQE/NOPB	Texas Instruments	LM25119PSQE/NO PB	SMT
2	HD3SS2 522RHUR	U11,U12	56-WQFN	Integrated Circuits			Texas Instruments	HD3SS2522RHUR	SMT

1	TUSB8041	U6	64-VQFN	Integrated Circuits	Texas Instruments	TUSB8041RGCR	Texas Instruments	TUSB8041RGCR	SMT
1	8M (1M x 8)	U26	8-SOIC	Integrated Circuits	Digi-Key	W25Q80DVSNI G-ND	Winbond Electronics	W25Q80DVSNI G	SMT
1	AT24C040	U7	8-SOIC	Integrated Circuits	Digi-Key	497-8552-1-ND	Atmel	AT24C040	SMT
2	TPS2046B	U21,U23	8-SOIC	Integrated Circuits	Texas Instruments	TPS2046BDR	Texas Instruments	TPS2046B	SMT
1	TPS7A8101DRB	U27	8-SON	Integrated Circuits	Texas Instruments	TPS7A8101DRB T	Texas Instruments	TPS7A8101DRB	SMT
1	TPS2001CDGN	U35	8-TSSOP	Integrated Circuits	Texas Instruments	TPS2001CDGN	Texas Instruments	TPS2001CDGN	SMT
1	TPS65982ABZQR	U25	96-BGA	Integrated Circuits			Texas Instruments	TPS65982ABZQR	SMT
8	TPD4E05U06DQAR	U2,U3,U4,U5,U13,U14,U15,U16	SON-10	Integrated Circuits	Texas Instruments	TPD4E05U06DQAR	Texas Instruments	TPD4E05U06DQAR	SMT
1	LED - Blue Clear	D18	0603	Optoelectronics	Digi-Key	511-1589-2-ND	ROHM Semiconductor USA, LLC	SMLE12BC7TT86	SMT
4	LED - Green Clear	D5,D6,D7,D19	0805	Optoelectronics	Digi-Key	160-1414-2-ND	Lite-On Inc	LTST-C170KGKT	SMT
2	LED - Green Diffused	D1,D4	0805	Optoelectronics	Digi-Key	67-1553-2-ND	Lumex Opto Components Inc	SML-LXT0805GW-TR	SMT
1	Green, Red, Yellow	D14	4-PLCC	Optoelectronics	Digi-Key	492-1226-1-ND	Bivar Inc	SMP4-RGY	SMT



33	0.0 (Zero Ohm)	R7,R10,R11,R12,R13,R14,R21,R26,R43,R44,R80,R202,R203,R234,R235,R296,R297,R332,R333,R334,R335,R336,R337,R338,R339,R373,R374,R375,R376,R377,R378,R379,R380	0201	Resistors	Digi-Key	P0.0AGTR-ND	Vishay Dale	CRCW02010000Z0ED	SMT
2	1.00K	R132,R133	0201	Resistors	Digi-Key	P1.00KABTR-ND	Panasonic Electronic Components	ERJ-1GEF1001C	SMT
1	10.0K	R52	0201	Resistors	Mouser	667-ERJ-1GEF1002C	Panasonic Electronic Components	ERJ-1GEF1002C	SMT
2	100K	R134,R167	0201	Resistors	Digi-Key	311-100KMCT-ND	Yageo America	RC0201FR-07100KL	SMT
2	2.00M	R27,R28	0201	Resistors	Digi-Key	P2.0MAGCT-ND	Panasonic Electronic Components	ERJ-1GEJ205C	SMT
11	0.0 (Zero Ohm)	R38,R255,R276,R277,R280,R281,R284,R291,R292,R309,R311	0402	Resistors	Digi-Key	311-0.0JRTR-ND	Yageo	RC0402JR-070RL	SMT

29	0.0 (Zero Ohm)	R128,R154,R176, R177,R185,R186, R199,R201,R205, R243,R349,R350, R351,R352,R353, R358,R361,R366, R367,R369,R372, R381,R388,R389, R390,R391,R395, R396,R401	0402	Resistors	Digi-Key	311-0.0JRTR- ND	Yageo	RC0402JR-070RL	SMT
14	1.00K	R34,R35,R36,R16 1,R162,R207,R20 8,R209,R210,R21 1,R212,R213,R23 2,R348	0402	Resistors	Digi-Key	541-1.00KLTR- ND	Vishay Dale	CRCW04021K00FK ED	SMT
5	1.00K	R65,R66,R67,R68, R382	0402	Resistors	Digi-Key	541-1.00KLTR- ND	Vishay Dale	CRCW04021K00FK ED	SMT
1	1.00M	R78	0402	Resistors	Digi-Key	541-1.00MLTR- ND	Vishay Dale	CRCW04021M00FK ED	SMT
3	1.33K	R269,R279,R294	0402	Resistors	Digi-Key	541-1.33KLTR- ND	Vishay Dale	CRCW04021K33FK ED	SMT
1	1.50K	R365	0402	Resistors	Digi-Key	541-1.50KLTR- ND	Vishay Dale	CRCW04021K50FK ED-	SMT
19	10.0K	R56,R169,R170,R 171,R173,R174,R 178,R181,R182,R 183,R184,R221,R 224,R248,R272,R 274,R285,R316,R 317	0402	Resistors	Mouser	667-ERJ- 2RKF1002X	Panasonic Electronic Components	ERJ-2RKF1002	SMT
7	10.0K	R60,R61,R187,R1 88,R190,R191,R3 85	0402	Resistors	Mouser	667-ERJ- 2RKF1002X	Panasonic Electronic Components	ERJ-2RKF1002	SMT

22	100K	R130,R139,R158, R163,R214,R215, R216,R217,R218, R219,R229,R247, R250,R262,R263, R295,R319,R321, R362,R363,R364, R400	0402	Resistors	Digi-Key	311-100KLTR- ND	Yageo	RC0402FR- 07100KL	SMT
2	12.0K	R126,R127	0402	Resistors	Digi-Key	311-12.0KLTR- ND	Yageo	RC0402FR-0712KL	SMT
2	14.7K	R265,R267	0402	Resistors	Digi-Key	P14.7KLTR-ND	Panasonic Electronic Components	ERJ-2RKF1472X	SMT
1	147	R307	0402	Resistors	Digi-Key	541-147LTR-ND	Vishay Dale	CRCW0402147RFK ED	SMT
1	15.0K	R204	0402	Resistors	Digi-Key	P15.0KLTR-ND	Panasonic Electronic Components	ERJ-2RKF1502X	SMT
1	16.2K	R283	0402	Resistors	Digi-Key	P16.2KLTR-ND	Panasonic Electronic Components	ERJ-2RKF1622X-	SMT
1	18.7K	R275	0402	Resistors	Digi-Key	P18.7KLTR-ND	Panasonic Electronic Components	ERJ-2RKF1872X	SMT
2	2.00K	R41,R42	0402	Resistors	Mouser	RC0402FR- 072KL	Panasonic Electronic Components	ERJ-2RKF2001X	SMT
1	2.05	R264	0402	Resistors	Digi-Key	541-2.05LLTR- ND	Vishay Dale	CRCW04022R05FK ED	SMT
1	200K	R251	0402	Resistors	Digi-Key	P200KLTR-ND	Panasonic Electronic Components	ERJ-2RKF2003X	SMT
1	28.7K	R55	0402	Resistors	Venkel	CR0402-16W- 2872FT	Venkel	CR0402-16W- 2872FT	SMT

1	3.00	R266	0402	Resistors	Digi-Key	541-3.00LLTR-ND	Vishay Dale	CRCW04023R00FKED	SMT
8	3.30K	R222,R223,R225,R226,R227,R228,R230,R231	0402	Resistors	Digi-Key	541-3.30KLCT-ND	Vishay Dale	CRCW04023K30FKED	SMT
2	30.1k	R249,R258	0402	Resistors	Digi-Key	541-30.1KLTR-ND	Vishay Dale	CRCW040230K1FKED	SMT
1	33.2K	R195	0402	Resistors	Digi-Key	P33.2KLTR-ND	Panasonic Electronic Components	ERJ-2RKF3322X	SMT
4	330	R175,R180,R194,R387	0402	Resistors	Digi-Key	P330LTR-ND	Panasonic Electronic Components	ERJ-2RKF3300X	SMT
1	39.2K	R179	0402	Resistors	Venkel	CR0402-16W-3922FT	Venkel	CR0402-16W-3922FT	SMT
1	4.12K	R245	0402	Resistors	TTI	CRCW04024K12FKED	Vishay Dale	CRCW04024K12FKED	SMT
4	4.70K	R120,R121,R122,R123	0402	Resistors	Digi-Key	541-4.70KLTR-ND	Vishay Dale	CRCW04024K70FKED	SMT
2	4.70K	R148,R149	0402	Resistors	Digi-Key	541-4.70KLTR-ND	Vishay Dale	CRCW04024K70FKED	SMT
1	47.0K	R196	0402	Resistors	Digi-Key	P47.0KLTR-ND	Panasonic Electronic Components	ERJ-2RKF4702X	SMT
2	47.0K	R308,R310	0402	Resistors	Digi-Key	P47.0KLTR-ND	Panasonic Electronic Components	ERJ-2RKF4702X	SMT
2	49.9	R271,R288	0402	Resistors	Digi-Key	541-49.9LTR-ND	Vishay Dale	CRCW040249R9FKED	SMT
1	604K	R261	0402	Resistors	Digi-Key	541-604KLTR-ND	Vishay Dale	CRCW0402604KFKED	SMT
1	61.9K	R268	0402	Resistors	Digi-Key	P61.9KLTR-ND	Panasonic Electronic Components	ERJ-2RKF6192X	SMT

1	66.5K	R172	0402	Resistors	Digi-Key	P66.5KLTR-ND	Panasonic Electronic Components	ERJ-2RKF6652X	SMT
2	665	R135,R164	0402	Resistors	Digi-Key	P665LTR-ND	Panasonic Electronic Components	ERJ-2RKF6650X	SMT
2	68.1K	R246,R256	0402	Resistors	Digi-Key	P68.1KLTR-ND	Panasonic Electronic Components	ERJ-2RKF6812X	SMT
1	7.15K	R290	0402	Resistors	Digi-Key	P7.15KLTR-ND	Panasonic Electronic Components	ERJ-2RKF7151X	SMT
2	73.2K	R282,R286	0402	Resistors	Digi-Key	P73.2KLTR-ND	Panasonic Electronic Components	ERJ-2RKF7322X	SMT
1	732K	R193	0402	Resistors	Mouser	667-ERJ-2RKF7323X	Panasonic Electronic Components	ERJ-2RKF7323X	SMT
1	9.53K	R58	0402	Resistors	Digi-Key	541-9.53KLTR-ND	Vishay Dale	CRCW04029K53FKED	SMT
1	93.1K	R252	0402	Resistors	Digi-Key	P93.1KLTR-ND	Panasonic Electronic Components	ERJ-2RKF9312X	SMT
1	93.1K	R270	0402	Resistors	Digi-Key	P93.1KLTR-ND	Panasonic Electronic Components	ERJ-2RKF9312X	SMT
2	0.0 (Zero Ohm)	R314,R315	0603	Resistors	Digi-Key	311-0.0GRTR-ND	Yageo	RC0603JR-070RL	SMT
1	0.01	R197	0805	Resistors	Digi-Key	WSLB-.01CT-ND	Vishay Dale	WSL0805R0100FEA18	SMT
1	0.008	R293	1206	Resistors	Digi-Key	RHM.008ALCT-ND	ROHM Semiconductor USA, LLC	PMR18EZPFU8L00	SMT

1	0.013	R278	1206	Resistors	Digi-Key	P.013AUCT-ND	Panasonic Electronic Components	ERJ-8BWFR013V	SMT
1	0.0 (Zero Ohm)	R346	2512	Resistors	Digi-Key	541-0.0XCT-ND	Vishay Dale	CRCW25120000Z0 EG	SMT
3	SPST-NO Off-Mom	SW8,SW9,SW10	3.00mm x 2.60mm	Switches	Mouser	611-KMT211NGLFS	C&K Components	KMT211NG HF LFS	SMT
2	PB SPST-NO Off-Mom	SW3,SW7	6.50mm x 6.00mm	Switches	Digi-Key	SW261CT-ND	Omron Electronics Inc-EMC Div	B3SN-3012P	SMT
1	8 SPST	SW2	8 pos	Switches	Verical	TDA08H0SB1	C&K Components	TDA08H0SB1	SMT
1	8 SPST	SW6	8 pos	Switches	Verical	TDA08H0SB1	C&K Components	TDA08H0SB1	SMT
1	Test Loop - Black	LP1	0.063 drill size	Test Equipment	Heilind Electronics	5006	Keystone Electronics	5006	Through Hole
1	Test Loop - Red	LP2	0.063 drill size	Test Equipment	Heilind Electronics	5005	Keystone Electronics	5005	Through Hole
1	DNI	C7	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	C35	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	C73	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	C98	DNI	Undefined Category			DNI	DNI	DNI
4	DNI	C119,C127,C132,C136	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	D10,D12	DNI	Undefined Category			DNI	DNI	DNI

2	DNI	J5,J6	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	J7,J8	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	J14,J15	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	Q10,Q11	DNI	Undefined Category			DNI	DNI	DNI
3	DNI	R1,R5,R287	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	R2,R6	DNI	Undefined Category			DNI	DNI	DNI
24	DNI	R3,R198,R200,R206,R242,R244,R306,R326,R327,R328,R329,R330,R331,R359,R360,R368,R370,R371,R392,R393,R394,R397,R398,R399	DNI	Undefined Category			DNI	DNI	DNI
8	DNI	R8,R9,R19,R20,R22,R23,R354,R355	DNI	Undefined Category			DNI	DNI	DNI
4	DNI	R15,R16,R39,R40	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	R24,R25	DNI	Undefined Category			DNI	DNI	DNI
3	DNI	R29,R59,R189	DNI	Undefined Category			DNI	DNI	DNI
3	DNI	R30,R31,R32	DNI	Undefined Category			DNI	DNI	DNI
11	DNI	R37,R125,R129,R131,R147,R156,R318,R340,R341,R344,R345	DNI	Undefined Category			DNI	DNI	DNI

1	DNI	R45	DNI	Undefined Category			DNI	DNI	DNI
4	DNI	R46,R49,R54,R57	DNI	Undefined Category			DNI	DNI	DNI
5	DNI	R47,R48,R50,R51,R62	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	R53	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	R63,R192	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	R64	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	R71,R74	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	R72,R75	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	R79	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	R160,R320	DNI	Undefined Category			DNI	DNI	DNI
4	DNI	R220,R253,R254,R257	DNI	Undefined Category			DNI	DNI	DNI
2	DNI	R273,R289	DNI	Undefined Category			DNI	DNI	DNI
4	DNI	R298,R299,R300,R301	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	R304	DNI	Undefined Category			DNI	DNI	DNI
1	DNI	R347	DNI	Undefined Category			DNI	DNI	DNI
6	DNI	TP4,TP5,TP6,TP7,TP14,TP15	DNI	Undefined Category			DNI	DNI	DNI
4	DNI	TP10,TP11,TP12,TP13	DNI	Undefined Category			DNI	DNI	DNI



4	DNI	TP16,TP17,TP18,T P19	DNI	Undefined Category			DNI	DNI	DNI
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