USB-C™ to DP Active Cable Reference Design (TIDA-01620)							
Item	**Quantity**	**Reference**	**Part**	**Footprint**	**Manuf**	**PartNumber**	**Digikey#**
1	18	C1,C2,C5,C6,C7,C8,C9,C10,C11,C13,C14,C15,C16,C18,C20,C21,C25,C26	220nF	C0402	TDK Corporation	C1005X7R1A224K050BB	445-5938-1-ND
2	8	C3,C4,C22,C23,C24,C29,C31,C32	100nF	C0402	Murata Electronics North America	GRM155R71C104JA88D	490-6327-1-ND
3	1	C12	220pF	C0402	TDK Corporation	C1005C0G1H221F050BA	445-7015-1-ND
4	1	C17	4.7uF	C0402	TDK Corporation	C1005X5R1A475K050BC	445-13820-1-ND
5	3	C19,C27,C30	1uF	C0402	TDK Corporation	CGB2A1X5R1A105K033BC	445-13179-1-ND
6	2	C28,C37	1nF	C0402	Murata Electronics North America	GRM155R61A102KA01D	490-6295-1-ND
7	1	C33	470nF	C0402	Murata Electronics North America	GRM155R61A474KE15D	490-3264-1-ND
8	1	C34	10uF	C0603	TDK Corporation	C1608X5R1A106K080AC	445-7486-1-ND
9	2	C35,C36	10uF	C0402	Samsung Electro	CL05A106MP8NUB8	1276-6830-1-ND
10	1	D1	TPD1E05U06	DPY0002AA	Texas Instruments	TPD1E05U06DPYT	296-39342-1-ND
11	1	D2	ESD114-U1-02EL	TSLP-2-19	Infineon Tech	ESD114U102ELE6327XTMA1	ESD114U102ELE6327XTMA1CT-ND
12	1	J1	Display_Port_Connector_Source	CON_DP_SD-47272-001	Molex	47272-0001	WM19271CT-ND
16	1	L1	1.5uH	IND_DFE2016C	TOKO	1286AS-H-1R5M	490-10604-1-ND
17	1	P1	Wurth 632712000021	USB-C_SMRT_632_712_000_021	Wurth Electronics	632712000021	732-8218-1-ND
18	1	Q1	TF412S	SOT-883	On Semi	TF412ST5G	TF412ST5GOSCT-ND
19	1	R1	1k	R0402	Yageo	RC0402FR-071KP	YAG1254CT-ND
20	9	R2,R7,R8,R14,R24,R25,R26,R27,R35	0	R0402	Yageo	RC0402JR-070RL	311-0.0JRCT-ND
21	6	R3,R4,R5,R6,R23,R36	1M	R0402	Yageo	RC0402JR-071ML	311-1.0MJRCT-ND
22	2	R9,R10	2M	R0402	Yageo	RC0402JR-072ML	YAG3295CT-ND
23	1	R11	4.7M	R0402	Yageo	RC0402JR-074M7L	YAG3304CT-ND
24	1	R12	470k	R0402	Yageo	AC0402JR-07470KL	YAG3545CT-ND
25	3	R13,R19,R38	100k	R0402	Yageo	RC0402FR-07100KL	311-100KLRCT-ND
26	1	R15	806	R0402	Yageo	RT0402FRE07806RL	YAG3349CT-ND
28	2	R17,R18	4.7k	R0402	Yageo	RC0402FR-074K7P	YAG1272CT-ND
29	1	R20	47k	R0402	Panasonic Electronic Components	ERJ-2RKF4702X	P47.0KLCT-ND
30	1	R21	1.4k	R0402	Yageo	RC0402FR-071K4L	YAG3039CT-ND
31	1	R22	100	R0402	Yageo	RC0402FR-07100RL	311-100LRCT-ND
35	1	R34	0	R0603	Vishay Beyschlag	MCT06030Z0000ZP500	MCT0603-0.0-ZZCT-ND
36	2	R39,R40	27	R0402	Yageo	RC0402FR-0727RL	YAG3086CT-ND
37	3	SW1,SW3,SW4	DIP_SPST	SW_SMVT_CHS-01TA	Copal Electronics	CHS-01TA	563-1003-1-ND
38	1	SW2	PushButton-SPST	SW_SMVT_KXT	C&K	KXT 131 LHS	CKN10586CT-ND
39	1	U1	TUSB544	RNQ0040A	Texas Instruments	TUSB544RNQR	
40	1	U2	TPD4E05U06	DQA0010A	Texas Instruments	TPD4E05U06DQAR	296-35765-1-ND
41	1	U3	TUSB422IYFP	YFP_BGA_9	Texas Instruments	TUSB422IYFPT	296-45360-1-ND
42	1	U4	MSP430F5528IYFF	YFF0064A	Texas Instruments	MSP430F5528IYFFR	296-36675-1-ND
43	1	U5	TPS63051YFFT	YFF0012A	Texas Instruments	TPS63051YFFT	296-37936-1-ND
44	2	U6,U7	TPD4E02B04	DQA	Texas Instruments	TPD4E02B04DQAR	296-43875-1-ND
45	5	U8,U9,U10,U11,U12	ESD122	DMX0003A	Texas Instruments	ESD122DMXR	ESD122DMXR-ND
46	1	Y1	4MHz	XTAL_SM_3_CSTCR_G15L	Murata	CSTCR4M00G15L99-R0	490-7861-1-ND

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