Main board

3.2 Main board Bill of Material

Designator	Comment	Designator	Comment	Designator	Comment
C1, C2 x 2	15uF/400V D8X18	BD1	MSB30KH	R3, R4 x 2	200K 1206
C3	10nF/630V 1206	D1	DFLR1600 SMA	**R8, 0805**	**2.2R** 0805 1/8W
C4	100pF/50V 0603	D2, D5 x 2	S1MWF SOD-123	R12	2.2R 0603
C5, C13 x 2	2.2nF/250V 0805	D3, D4 x 2	1N4148WS SOD-523	R10	100K 0805
C6, C7	2.2uF/100V 1206	F1	T2AL/250VAC	R13, R16 x 2	1.8M 1206
C8	**820uF/16V Polymer**	L2 inductor	220uH D5 x H11mm 0.9A	R14A	51R 1206
C9, C12 x 2	4.7uF/50V 1206	LF1 EMI Filter	10mH D13.5xT5.5mm 1A	R15	200ohm 0603
C10	22uF/400V D10X18	Q1	DMJ65H650SCTI ,TO220	R22	47K 0603
C17	1nF/200v 0805	Q2	DMTH10H010LCT	**R29, R30 x 2**	**0.75R 1206**
C22	22nF/50v 0603	Q3	DMN24H3D	R36, R38 x 2	10R 0805
C23	100nF/50v 0603	T1	TRANS-RM8	R39	110K 0603
CY1	470pF Y1 JN471K	U4	APR345 SOT-6		
		ZD1 SOD-523	18V Zener BZT52C18T		
					Small Board Total 43

Daughter card

PROJECT NAME : CCG3PA QC4.0 Adapter Diodes Board						PAC JOB NUMBER : Small daulter cut board S3		
CUSTOMER NAME : CYPRESS						Date : 4-06-2018	Rev : 3.1	
S.NO	**REF DES**	**QTY**	**VALUE**	**JEDEC_TYPE**	**COMMENTS**	**MFR_PN**	**MFR**	**DESCRIPTION**
1	CN1	1	USB_TYPE-C	USB type C	-	DX07S024JJ2R1300	JAE Electronics	CONN RCPT USB3.1 TYPEC SMD R/A
2	C11	1	4.7uF	1206C(W)	-	C1206C475K5RACTU	Kemet	CAP CER 4.7UF 50V X7R 1206
3	C14, C17, C18	2	1uF	0603C(W)	-	UMK107AB7105KA-T	Taiyo Yuden	CAP CER 1UF 50V X7R 0603
4	C16	1	47nF	0603C(W)	-	GRM188R71H473KA01D	Murata	CAP CER 0.047UF 50V X7R 0603
5	C20	1	150pF	0603C(W)	-	C0603C151K5RACTU	Kemet	CAP CER 150PF 50V X7R 0603
6	C21	1	100nF	0603C(W)	-	C0603C104K5RACTU	Kemet	CAP CER 0.1UF 50V X7R 0603
7	C26	1	2.2uF	0603C(W)	-	GRM188R61H225KE11D	Murata	CAP CER 2.2UF 50V X5R 0603
8	C24,C25,C27,C28	4	390pF	0603C(W)	-	C0603C391F5GACTU	Kemet	CAP CER 390PF 50V C0G/NP0 0603
9	C29	1	220pF	0603C(W)	-	GRM1885C1H221JA01D	Murata	CAP CER 220PF 50V C0G/NP0 0603
10	C30	1	1nF	0603C(W)	-	GRM1885C1H102JA01D	Murata	CAP CER 1000PF 50V C0G/NP0 0603
11	C32	1	470nF	0603(W)		C0603C474K5RACTU	Kemet	CAP CER 0.47UF 16V X7R 0603
12	C33	1	2.2uF	0805C(W)	-	UMK212B7225KG-T	Taiyo Yuden	CAP CER 2.2UF 16V X7R 0805
13	C34	1	0.22uF/16V	1206(W)		C1206C224K5RACTU	Kemet	CAP CER 0.22UF 16V X7R 1206
14	C35	1	10uf/16V	1206(W)		C1206C475K5RACTU	Kemet	CAP CER 10UF 16V X7R 1206
15	C36	1	33nF/16V	0603(W)		C0603C333K5RACTU	Kemet	CAP CER 33nFF 50V X7R 0603
15	D4	1	1N4148WS	SMD-(SOD-523)	-	1N4148WS-7-F	Diodes Inc	DIODE GEN PURP 75V 150MA SOD323
16	Q4,Q5	2	DMP2007UFG-7	INF-PG-TSDSON-8-1_V	-	DMP2007UFG-7	Diodes Inc	MOSFET P-CH 20V 18A PWRDI3333-8
17	Q6,Q7	2	DMP3068L-7	sot-23	-	DMP3068L-7	Diodes Inc	MOSFET N-CH 30V 4A SOT23-3
18	R31,R33,R34,R40,RT2,RT3	6	100K	0603(W)	-	RC0603JR-07100KL	Yageo	RES SMD 100K OHM 5% 1/10W 0603
19	R5	1	100K	0402(W)	-	RC0402FR-07100KL	Yageo	RES SMD 100K OHM 1% 1/16W 0402
20	R9	1	51R	0603(W)	-	RC0603FR-0751RL	Yageo	RES SMD 51 OHM 1% 1/10W 0603
21	R11	1	680ohm	0603(W)		RC0603FR-07680RL	YAGeo	RES SMD 680 OHM 1% 1/10W 0603
22	R14	1	5mR	1206(W)	-	CSR1206-0R005F1	Riedon	RES SMD 0.005 OHM 1% 1W 1206
23	R15	1	51R	0805(W)	-	RC0805JR-0751RL	Yageo	RES SMD 51 OHM 5% 1/8W 0805
24	R17	1	4.7K	0603(W)	-	RC0603FR-074K7L	Yageo	RES SMD 4.7K OHM 1% 1/10W 0603
25	R18	1	10R	0805(W)	-	RC0805FR-0710RL	Yageo	RES SMD 10 OHM 1% 1/8W 0805
26	R20	1	5.23K	0603(W)	-	RC0603FR-075K23L	Yageo	RES SMD 5.23K OHM 1% 1/10W 0603
27	R25	1	200K	0805(W)	-	RC0805JR-07200KL	Yageo	RES SMD 200K OHM 5% 1/8W 0805
28	R32	1	56K	0603(W)	-	RC0603FR-0756KL	Yageo	RES SMD 56K OHM 1% 1/10W 0603
29	R26	1	1K	0603(W)	-	RC0603FR-071KL	Yageo	RES SMD 1K OHM 1% 1/10W 0603
30	R21A,R21B	2	100R	0603(W)	-	RC0603FR-07100rL	Yageo	RES SMD 100 OHM 1% 1/10W 0603
31	U1	1	CYPD3174-24LQXIT	TQFN24_4X4	ustomer Supplie	CYPD3174-24LQXIT	Cypress	USB Type C Port Controller
32	U2	1	VOL617A-3X001T	SO-4(P10) - photocoupler	-	VOL617A-3X001T	Vishay Semi	OPTOISOLATOR 5KV TRANS 4-LSOP
33	U3	1	AP3302A	SOT-23-6	-	AP3302AK6TR-G1	Diodes Inc	IC OFFLINE CONV FLYBACK SOT26
34	U5	1	AP2210	sot-23-1	-	AP2210N-3.3TRG1	Diodes Inco	IC REG LINEAR 3.3V 300MA SOT23-3