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Project Name:	USB Type-C with Data
Project File:	TIDA-00987 E1 Project.PrjPcb
Base ID:	TIDA-00987
PCB Rev:	E1
Schematic Rev:	E1
Assembly Variant:	None
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Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Library Name	LibRef	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2
1	IPCB	Printed Circuit Board	O	Any	TIDA-00987	1	Hardware.IntLib	PCE				
2	C1	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	Y	AVX	06031C102KAT2A	1	Capacitor_Ceramic.IntLib	06031C102KAT2A	Digi-Key	478-1199-1-ND	Mouser	581-06031C102K
3	C2	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	1	Capacitor_Ceramic.IntLib	GRM32ER71H106KA12L	Digi-Key	490-6544-1-ND	Mouser	81-GRM32ER71H106KA2L
4	C3	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	1	Capacitor_Ceramic.IntLib	GRM32ER71H106KA12L	Digi-Key	490-6544-1-ND	Mouser	81-GRM32ER71H106KA2L
5	C4	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	1	Capacitor_Ceramic.IntLib	GRM32ER71H106KA12L	Digi-Key	490-6544-1-ND	Mouser	81-GRM32ER71H106KA2L
6	C5	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	1	Capacitor_Ceramic.IntLib	GRM32ER71H106KA12L	Digi-Key	490-6544-1-ND	Mouser	81-GRM32ER71H106KA2L
7	C6	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0603	Y	Taiyo Yuden	UMK107AB7105KA-T	1	Capacitor_Ceramic.IntLib	UMK107AB7105KA-T	Dial-Key	587-3247-1-ND	Mouser	963-UMK107AB7105KA-T
8	C7	CAP, CERM, 10 uF, 10 V, +/- 20%, X5R, 0402	Y	MuRata	GRM155R61A106ME11	1	Capacitor_Ceramic.IntLib	GRM155R61A106ME11	Digi-Key	445-1341-1-ND	Farnell	1844621
9	C8	CAP, CERM, 4700 pF, 100 V, +/- 10%, X7R, 0805	Y	TDK	C2012X7R2A472K	1	Capacitor_Ceramic.IntLib	C2012X7R2A472K	Digi-Key	445-13820-1-ND	Mouser	810-C2012X5R1H225K
10	C9	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	Y	MuRata	GRM32ER71H106KA12L	1	Capacitor_Ceramic.IntLib	GRM32ER71H106KA12L	Dial-Key	490-6544-1-ND	Mouser	81-GRM32ER71H106KA2L
11	C10	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X5R, 0402	Y	TDK	C1005X5R1A475K050BC	1	Capacitor_Ceramic.IntLib	C1005X5R1A475K050BC	Digi-Key	445-13820-1-ND	Mouser	810-C1005X5R1A475KBC
12	C11	CAP, CERM, 4700 pF, 100 V, +/- 10%, X7R, 0805	Y	TDK	C2012X7R2A472K	1	Capacitor_Ceramic.IntLib	C2012X7R2A472K	Digi-Key	445-1341-1-ND	Farnell	1844621
13	C12	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X5R, 0805	Y	TDK	C2012X5R1H225K125AB	1	Capacitor_Ceramic.IntLib	C2012X5R1H225K125AB	Digi-Key	445-5976-1-ND	Mouser	810-C2012X5R1H225K
14	C13	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0402	Y	TDK	C1005X5R1A105K050BB	1	Capacitor_Ceramic.IntLib	C1005X5R1A105K050BB	Digi-Key	445-4114-1-ND	Mouser	810-C1005X5R1A105K
15	C14	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0402	Y	TDK	C1005X5R1A105K050BB	1	Capacitor_Ceramic.IntLib	C1005X5R1A105K050BB	Digi-Key	445-4114-1-ND	Mouser	810-C1005X5R1A105K
16	C15	CAP, CERM, 0.022 uF, 16 V, +/- 10%, X5R, 0402	Y	MuRata	GRM155R61C223KA01D	1	Capacitor_Ceramic.IntLib	GRM155R61C223KA01D	Digi-Key	GRM155R61C223KA01D-ND	Mouser	81-GRM155R61C223KA1D
17	C16	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0402	Y	MuRata	GRM155R71A104KA01D	1	Capacitor_Ceramic.IntLib	GRM155R71A104KA01D	Digi-Key	GRM155R71A104KA01D-ND	Mouser	81-GRM155R71A104KA1D
18	C17	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, 0603	Y	AVX	0603YC104JAT2A	1	Capacitor_Ceramic.IntLib	0603YC104JAT2A	Digi-Key	478-3726-1-ND	Mouser	581-0603YC104J
19	C18	CAP, CERM, 10 uF, 16 V, +/- 20%, X5R, 0603	Y	Taiyo Yuden	EMK107BBJ106MA-T	1	Capacitor_Ceramic.IntLib	EMK107BBJ106MA-T	Digi-Key	587-3238-1-ND	Mouser	963-EMK107BBJ106MA-T
20	C19	CAP, CERM, 0.01 uF, 6.3 V, +/- 10%, X5R, 0402	Y	MuRata	GRM155R60J103KA01D	1	Capacitor_Ceramic.IntLib	GRM155R60J103KA01D	Digi-Key	GRM155R60J103KA01D-ND	Mouser	81-GRM155R60J103KA1D
21	C20	CAP, CERM, 0.01 uF, 6.3 V, +/- 10%, X5R, 0402	Y	MuRata	GRM155R60J103KA01D	1	Capacitor_Ceramic.IntLib	GRM155R60J103KA01D	Digi-Key	GRM155R60J103KA01D-ND	Mouser	81-GRM155R60J103KA1D
22	C21	CAP, CERM, 10 uF, 16 V, +/- 20%, X5R, 0603	Y	Taiyo Yuden	EMK107BBJ106MA-T	1	Capacitor_Ceramic.IntLib	EMK107BBJ106MA-T	Digi-Key	587-3238-1-ND	Mouser	963-EMK107BBJ106MA-T
23	C22	CAP, CERM, 47 uF, 10 V, +/- 20%, X5R, 0805	Y	MuRata	GRM21BR61A476ME15	1	Capacitor_Ceramic.IntLib	GRM21BR61A476ME15	Digi-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
24	C23	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Dial-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
25	C24	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Digi-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
26	C25	CAP, CERM, 10 uF, 16 V, +/- 20%, X5R, 0603	Y	Taiyo Yuden	EMK107BBJ106MA-T	1	Capacitor_Ceramic.IntLib	EMK107BBJ106MA-T	Digi-Key	587-3238-1-ND	Mouser	963-EMK107BBJ106MA-T
27	C26	CAP, CERM, 47 uF, 10 V, +/- 20%, X5R, 0805	Y	MuRata	GRM21BR61A476ME15	1	Capacitor_Ceramic.IntLib	GRM21BR61A476ME15	Digi-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
28	C27	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Dial-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
29	C28	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Dial-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
30	C29	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Dial-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
31	C30	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Dial-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
32	C31	CAP, AL, 47 uF, 63 V, +/- 20%, 0.65 ohm, SMD	Y	Panasonic	EEE-FK1J470P	1	Capacitor_Aluminum.IntLib	EEE-FK1J470P	Digi-Key	PCE3823CT-ND	Mouser	667-EEE-FK1J470P
33	C32	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Digi-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
34	C33	CAP, CERM, 0.01 uF, 16 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1C103K050BA	1	Capacitor_Ceramic.IntLib	C1005X7R1C103K050BA	Digi-Key	445-1262-1-ND	Farnell	1844125
35	C34	CAP, CERM, 12 pF, 25 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	Y	Kemet	C0402C120J3GACAUTO	1	Capacitor_Ceramic.IntLib	C0402C120J3GACAUTO	Digi-Key	399-6829-1-ND	Mouser	80-C0402C120J3GGAUTO
36	Cbias	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0402	Y	TDK	C1005X7R1H104K050BB	1	Capacitor_Ceramic.IntLib	C1005X7R1H104K050BB	Dial-Key	445-5932-1-ND	Mouser	810-C1005X7R1H104K
37	Cboot	CAP, CERM, 0.47 uF, 10 V, +/- 10%, X5R, 0402	Y	TDK	C1005X5R1A474K050BB	1	Capacitor_Ceramic.IntLib	C1005X5R1A474K050BB	Digi-Key	445-4989-1-ND	Mouser	810-C1005X5R1A474K
38	COUT1	CAP, CERM, 47 uF, 10 V, +/- 10%, X7R, 1210	Y	MuRata	GRM32ER71A476KE15L	1	Capacitor_Ceramic.IntLib	GRM32ER71A476KE15L	Digi-Key	490-5312-1-ND	Mouser	81-GRM32ER71A476KE5L
39	COUT2	CAP, CERM, 47 uF, 10 V, +/- 10%, X7R, 1210	Y	MuRata	GRM32ER71A476KE15L	1	Capacitor_Ceramic.IntLib	GRM32ER71A476KE15L	Digi-Key	490-5312-1-ND	Mouser	81-GRM32ER71A476KE5L
40	COUT3	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	Y	MuRata	GCM188R71E473KA37D	1	Capacitor_Ceramic.IntLib	GCM188R71E473KA37D	Digi-Key	490-8018-1-ND	Mouser	81-GCM188R71E473KA7D
41	D1	Diode, TVS, Uni, 28 V, 600 W, SMB	Y	Diodes Inc.	SMBJ28A-13-F	1	ZenerDiodes.IntLib	SMBJ28A-13-F	Digi-Key	SMBJ28A-FDICT-ND	Mouser	621-SMBJ28A-13-F
42	D2	Diode, TVS, Uni, 14 V, 600 W, SMB	Y	Diodes Inc.	SMBJ14A-13-F	1	ZenerDiodes.IntLib	SMBJ14A-13-F	Digi-Key	SMBJ14A-FDICT-ND	Mouser	621-SMBJ14A-13-F
43	D4	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	Y	Diodes Inc.	1N4148W-7-F	1	Diode.IntLib	1N4148W-7-F	Digi-Key	1N4148W-FDICT-ND	Mouser	621-1N4148W-F
44	FaultA	LED, Red, SMD	Y	Lite-On	LTST-C170KRKT	1	LED.IntLib	LTST-C170KRKT	Digi-Key	160-1415-1-ND	Mouser	859-LTST-C170KRKT
45	FaultC	LED, Red, SMD	Y	Lite-On	LTST-C170KRKT	1	LED.IntLib	LTST-C170KRKT	Dial-Key	160-1415-1-ND	Mouser	859-LTST-C170KRKT
46	FID1	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A	1	MiscParts.IntLib	Fiducial				
47	FID2	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A	1	MiscParts.IntLib	Fiducial				
48	FID3	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A	1	MiscParts.IntLib	Fiducial				
49	FID4	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A	1	MiscParts.IntLib	Fiducial				
50	J1	Power Jack, mini, 2.5mm OD, R/A, TH	Y	Switchcraft	RAPC712X	1	Connectors_Other.IntLib	RAPC712X	Digi-Key	SC237-ND	Mouser	502-RAPC712X
51	J2	Terminal Block, 2x1, Brass, TH	Y	Wurth Elektronik	691213710002	1	Connectors_Other.IntLib	691213710002	Dial-Key	732-2038-ND	Mouser	710-691213710002
52	J3	Connector, Receptacle, USB Type C, R/A, TH	Y	Amphenol Canada	12401548E4#2A	1	Connectors_Other.IntLib	12401548E4#2A	Digi-Key	12401548E4#2ACT-ND	Mouser	523-12401548E4#2A
53	J4	Header, 100mil, 3x1, TH	Y	Mill-Max	800-10-003-10-001000	1	Connectors_Mill_Max.IntLib	800-10-003-10-001000	Digi-Key	ED7203-ND		
54	J5	Connector, Receptacle, USB 3.1 Micro B, R/A, Gold, SMT	Y	Amphenol Canada	GSB443133HR	1	Connectors_Other.IntLib	GSB443133HR	Digi-Key	GSB443133HRCT-ND	Mouser	523-GSB443133HR
55	L1	Inductor, Shielded, Ferrite, 2.2 uH, 5.5 A, 0.035 ohm, SMD	Y	Bourns	SRP5030T-2R2M	1	Inductor_Bourns.IntLib	SRP5030T-2R2M	Mouser	652-SRP5030T-2R2M		
56	LF1	Inductor, Shielded Drum Core, Ferrite, 2.2 uH, 3 A, 0.026 ohm, SMD	Y	Wurth Elektronik	74408943022	1	Inductor_Wurth.IntLib	74408943022	Digi-Key	732-3029-1-ND		
57	Logo1	Texas Instrument Corporate Signature				1	Logos.IntLib	TI Logo				

58	Q1	MOSFET, N-CH, 40 V, 75 A, PowerPAK_SO-8L	Y	Vishay-Siliconix	SQJ422EP-T1-GE3	1	FETs.IntLib	SQJ422EP-T1-GE3	Digi-Key	SQJ422EP-T1-GE3-ND	Mouser	781-SQJ422EP-T1-GE3
59	Q2	MOSFET, P-CH, -20 V, -4.4 A, SOT-23	Y	Vishay-Siliconix	SI2377EDS-T1-GE3	1	FETs.IntLib	SI2377EDS-T1-GE3	Digi-Key	SI2377EDS-T1-GE3CT-ND	Mouser	781-SI2377EDS-T1-GE3
60	Q3	MOSFET, N-CH, 60 V, 0.24 A, SOT-23	Y	Vishay-Siliconix	2N7002E-T1-E3	1	FETs.IntLib	2N7002E-T1-E3	Digi-Key	2N7002E-T1-E3CT-ND	Mouser	781-2N7002E-T1-E3
61	R1	RES, 1.00 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW04021K00FKED	1	Resistor_0402.IntLib	CRCW04021K00FKED	Digi-Key	541-1.00KLCCT-ND	Mouser	71-CRCW0402-1.0K-E3
62	R2	RES, 1.00 M, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW04021M00FKED	1	Resistor_0402.IntLib	CRCW04021M00FKED	Digi-Key	541-1.00MLCT-ND	Mouser	71-CRCW0402-1.0M-E3
63	R3	RES, 100 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW0402100KFKED	1	Resistor_0402.IntLib	CRCW0402100KFKED	Digi-Key	541-100KLCCT-ND	Mouser	71-CRCW0402-100K-E3
64	R4	RES, 100 k, 1%, 0.1 W, 0603	Y	Vishay-Dale	CRCW0603100KFKEA	1	Resistor_0603.IntLib	CRCW0603100KFKEA	Digi-Key	541-100KHCT-ND	Mouser	71-CRCW0603-100K-E3
65	R5	RES, 10.0 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	1	Resistor_0402.IntLib	CRCW040210K0FKED	Digi-Key	541-10.0KLCCT-ND	Mouser	71-CRCW0402-10K-E3
66	R6	RES, 10.0 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	1	Resistor_0402.IntLib	CRCW040210K0FKED	Digi-Key	541-10.0KLCCT-ND	Mouser	71-CRCW0402-10K-E3
67	R7	RES, 100 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW0402100KFKED	1	Resistor_0402.IntLib	CRCW0402100KFKED	Digi-Key	541-100KLCCT-ND	Mouser	71-CRCW0402-100K-E3
68	R8	RES, 0.5%, 0.063 W, 0402	Y	Rohm	MCR01M2PJ000	1	Resistor_0402.IntLib	MCR01M2PJ000	Digi-Key	RHM0.0JCT-ND		
69	R9	RES, 0.5%, 0.063 W, 0402	Y	Rohm	MCR01M2PJ000	1	Resistor_0402.IntLib	MCR01M2PJ000	Digi-Key	RHM0.0JCT-ND		
70	R10	RES, 100 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW0402100KFKED	1	Resistor_0402.IntLib	CRCW0402100KFKED	Digi-Key	541-100KLCCT-ND	Mouser	71-CRCW0402-100K-E3
71	R11	RES, 2.20 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW04022K20FKED	1	Resistor_0402.IntLib	CRCW04022K20FKED	Digi-Key	541-2.20KLCCT-ND	Mouser	71-CRCW0402-2.2K-E3
72	R12	RES, 2.20 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW04022K20FKED	1	Resistor_0402.IntLib	CRCW04022K20FKED	Digi-Key	541-2.20KLCCT-ND	Mouser	71-CRCW0402-2.2K-E3
73	R13	RES, 10.0 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	1	Resistor_0402.IntLib	CRCW040210K0FKED	Digi-Key	541-10.0KLCCT-ND	Mouser	71-CRCW0402-10K-E3
74	R14	RES, 4.99 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW04024K99FKED	1	Resistor_0402.IntLib	CRCW04024K99FKED	Digi-Key	541-4.99KLCCT-ND	Mouser	71-CRCW0402-4.99K-E3
75	R15	RES, 2.00 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW04022K00FKED	1	Resistor_0402.IntLib	CRCW04022K00FKED	Digi-Key	541-2.00KLCCT-ND	Mouser	71-CRCW0402-2.0K-E3
76	R16	RES, 19.1 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040219K1FKED	1	Resistor_0402.IntLib	CRCW040219K1FKED	Digi-Key	541-19.1KLCCT-ND	Mouser	71-CRCW0402-19.1K-E3
77	R17	RES, 80.6 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW0402806KFKED	1	Resistor_0402.IntLib	CRCW0402806KFKED	Digi-Key	541-80.6KLCCT-ND	Mouser	71-CRCW0402-80.6K-E3
78	R18	RES, 0.5%, 0.063 W, 0402	Y	Rohm	MCR01M2PJ000	1	Resistor_0402.IntLib	MCR01M2PJ000	Digi-Key	RHM0.0JCT-ND		
79	R19	RES, 0.5%, 0.063 W, 0402	Y	Rohm	MCR01M2PJ000	1	Resistor_0402.IntLib	MCR01M2PJ000	Digi-Key	RHM0.0JCT-ND		
80	R20	RES, 0.5%, 0.063 W, 0402	Y	Yageo America	RC0402JR-070RL	1	Resistor_0402.IntLib	RC0402JR-070RL	Digi-Key	311-0.0JRCT-ND	Mouser	603-RC0402JR-070RL
81	R21	RES, 0.5%, 0.063 W, 0402	Y	Yageo America	RC0402JR-070RL	1	Resistor_0402.IntLib	RC0402JR-070RL	Digi-Key	311-0.0JRCT-ND	Mouser	603-RC0402JR-070RL
82	R22	RES, 10.0 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	1	Resistor_0402.IntLib	CRCW040210K0FKED	Digi-Key	541-10.0KLCCT-ND	Mouser	71-CRCW0402-10K-E3
83	R23	RES, 10.0 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	1	Resistor_0402.IntLib	CRCW040210K0FKED	Digi-Key	541-10.0KLCCT-ND	Mouser	71-CRCW0402-10K-E3
84	R24	RES, 10.0 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	1	Resistor_0402.IntLib	CRCW040210K0FKED	Digi-Key	541-10.0KLCCT-ND	Mouser	71-CRCW0402-10K-E3
85	R25	RES, 10.0 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210K0FKED	1	Resistor_0402.IntLib	CRCW040210K0FKED	Digi-Key	541-10.0KLCCT-ND	Mouser	71-CRCW0402-10K-E3
86	R26	RES, 0.5%, 0.063 W, 0402	Y	Rohm	MCR01M2PJ000	1	Resistor_0402.IntLib	MCR01M2PJ000	Digi-Key	RHM0.0JCT-ND		
87	R27	RES, 0.5%, 0.063 W, 0402	Y	Rohm	MCR01M2PJ000	1	Resistor_0402.IntLib	MCR01M2PJ000	Digi-Key	RHM0.0JCT-ND		
88	R28	RES, 1.00 k, 1%, 0.1 W, 0402	Y	Panasonic	ERJ-2RKF1001X	1	Resistor_0402.IntLib	ERJ-2RKF1001X	Digi-Key	P1.00KLCCT-ND	Mouser	667-ERJ-2RKF1001X
89	R29	RES, 2.20 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW04022K20FKED	1	Resistor_0402.IntLib	CRCW04022K20FKED	Digi-Key	541-2.20KLCCT-ND	Mouser	71-CRCW0402-2.2K-E3
90	Rbias	RES, 10.0, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040210R0FKED	1	Resistor_0402.IntLib	CRCW040210R0FKED	Digi-Key	541-10.0LCT-ND	Mouser	71-CRCW0402-10-E3
91	RFA	RES, 0.5%, 0.063 W, 0402	Y	Vishay-Dale	CRCW0402000020ED	1	Resistor_0402.IntLib	CRCW0402000020ED	Digi-Key	541-0.0JCT-ND	Mouser	71-CRCW0402-0-E3
92	RFB	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	Y	Panasonic	ERJ-2RKF4992X	1	Resistor_0402.IntLib	ERJ-2RKF4992X	Digi-Key	P49.9KLCCT-ND	Mouser	667-ERJ-2RKF4992X
93	RG	RES, 12.1 k, 1%, 0.063 W, 0402	Y	Vishay-Dale	CRCW040212K1FKED	1	Resistor_0402.IntLib	CRCW040212K1FKED	Digi-Key	541-12.1KLCCT-ND	Mouser	71-CRCW0402-12.1K-E3
94	StatusA	LED, Green, SMD	Y	OSRAM	LP M67K-D2G1-25-Z	1	LED.IntLib	LP M67K-D2G1-25-Z	Digi-Key	475-2499-1-ND	Mouser	720-LPM67KD2G125Z
95	StatusC	LED, Green, SMD	Y	OSRAM	LP M67K-D2G1-25-Z	1	LED.IntLib	LP M67K-D2G1-25-Z	Digi-Key	475-2499-1-ND	Mouser	720-LPM67KD2G125Z
96	TP1	Test Point, Miniature, Red, TH	Y	Keystone	5000	1	Connectors_Keystone.IntLib	5000	Digi-Key	36-5000-ND	Mouser	534-5000
97	TP2	Test Point, Miniature, Red, TH	Y	Keystone	5000	1	Connectors_Keystone.IntLib	5000	Digi-Key	36-5000-ND	Mouser	534-5000
98	TP3	Test Point, Miniature, Red, TH	Y	Keystone	5000	1	Connectors_Keystone.IntLib	5000	Digi-Key	36-5000-ND	Mouser	534-5000
99	TP4	Test Point, Miniature, Black, TH	Y	Keystone	5001	1	Connectors_Keystone.IntLib	5001	Digi-Key	36-5001-ND	Mouser	534-5001
100	TP5	Test Point, Miniature, Black, TH	Y	Keystone	5001	1	Connectors_Keystone.IntLib	5001	Digi-Key	36-5001-ND	Mouser	534-5001
101	U1	Smart Diode Controller, DGK0008A	Y	Texas Instruments	LM74610QDQGRQ1	1	TI_Pre_RTMLib	LM74610QDQGRQ1				
102	U2	2.5/3.5A Synchronous Buck Regulator for Automotive Applications, RNL0022A	Y	Texas Instruments	LM53635AQRNLRQ1	1	TI_Pre_RTMLib	LM53635AQRNLRQ1				
103	U3	Single Output Automotive LDO, 200 mA, Fixed 3.3 V Output, 2 to 5.5 V Input, with Low IQ, 5-pin SOT (DDC), -40 to 125 degC, Green (RoHS & no Sb/Br)	Y	Texas Instruments	TLV70033QDDCQRQ1	1	near Regulator Single Char	TLV70033QDDCQRQ1	Digi-Key	296-27780-2-ND	Digi-Key	296-27780-1-ND
104	U4	USB Type-C DFP Controller and Power Switch with Load Detection, RVC0020A	Y	Texas Instruments	TPS25810RVC	1	TI_Pre_Release1.IntLib	TPS25810RVC				
105	U5	1, 4, 6 CHANNEL PROTECTION SOLUTION FOR SUPER-SPEED (UP TO 6 GBPS) INTERFACE, DQA0010A	Y	Texas Instruments	TPD4E05U06DQAR	1	TI_Pre_Release1.IntLib	TPD4E05U06DQAR				
106	U6	1, 4, 6 CHANNEL PROTECTION SOLUTION FOR SUPER-SPEED (UP TO 6 GBPS) INTERFACE, DQA0010A	Y	Texas Instruments	TPD4E05U06DQAR	1	TI_Pre_Release1.IntLib	TPD4E05U06DQAR				
107	U7	Two-Channel Differential 2:1/1:2 USB3.1 Mux/Demux, RKS0020A	Y	Texas Instruments	HD3SS3212RKSQR	1	TI_Pre_Release1.IntLib	HD3SS3212RKSQR				
108	U8	Automotive USB Charging Port Controller and Power Switch with Short to BAT protection, RVC0020A	Y	Texas Instruments	TPS254900IRVCRQ1	1	TI_Pre_RTMLib	TPS254900IRVCRQ1				

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