

Engineering Bill of Materials



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Project Name:	Power Sequencing TID
Project File:	Power_sequencing_PrjPcb
Base ID:	TIDA01584
PCB Rev:	A
Schematic Rev:	A
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	IPC81	Printed Circuit Board	O	Any	TIDA01584	1	Hardware.IntLib	PCB				
2	C1	CAP, CERM, 1 uF, 16 V, +/- 10%, X5R, 0603	Y	TDK	C1608X5R1C105K	1	Capacitor_Ceramic.IntLib	C1608X5R1C105K	Digi-Key	445-1416-1-ND	Farnell	1844208
3	C2	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	Y	TDK	C1608X7R1E104K	1	Capacitor_Ceramic.IntLib	C1608X7R1E104K	Digi-Key	445-1316-1-ND	Farnell	1844230
4	C3	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C102K5RACTU	1	Capacitor_Ceramic.IntLib	C0603C102K5RACTU	Digi-Key	399-1082-1-ND	Newark	51B220
5	C4	CAP, CERM, 1 uF, 16 V, +/- 10%, X5R, 0603	Y	TDK	C1608X5R1C105K	1	Capacitor_Ceramic.IntLib	C1608X5R1C105K	Digi-Key	445-1416-1-ND	Farnell	1844208
6	C5	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	Y	TDK	C1608X7R1E104K	1	Capacitor_Ceramic.IntLib	C1608X7R1E104K	Digi-Key	445-1316-1-ND	Farnell	1844230
7	C6	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C102K5RACTU	1	Capacitor_Ceramic.IntLib	C0603C102K5RACTU	Digi-Key	399-1082-1-ND	Newark	51B220
8	C7	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C102K5RACTU	1	Capacitor_Ceramic.IntLib	C0603C102K5RACTU	Digi-Key	399-1082-1-ND	Newark	51B220
9	C8	CAP, CERM, 1 uF, 16 V, +/- 10%, X5R, 0603	Y	TDK	C1608X5R1C105K	1	Capacitor_Ceramic.IntLib	C1608X5R1C105K	Digi-Key	445-1416-1-ND	Farnell	1844208
10	C9	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	Y	TDK	C1608X7R1E104K	1	Capacitor_Ceramic.IntLib	C1608X7R1E104K	Digi-Key	445-1316-1-ND	Farnell	1844230
11	C10	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C102K5RACTU	1	Capacitor_Ceramic.IntLib	C0603C102K5RACTU	Digi-Key	399-1082-1-ND	Newark	51B220
12	C11	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C102K5RACTU	1	Capacitor_Ceramic.IntLib	C0603C102K5RACTU	Digi-Key	399-1082-1-ND	Newark	51B220
13	C12	CAP, CERM, 2000 pF, 50 V, +/- 10%, X7R, 0603	Y	Kemet	C0603C102K5RACTU	1	Capacitor_Ceramic.IntLib	C0603C102K5RACTU	Digi-Key	399-1082-1-ND	Newark	51B220
14	FID1	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A	1	MiscParts.IntLib	Fiducial				
15	FID2	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A	1	MiscParts.IntLib	Fiducial				
16	FID3	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A	1	MiscParts.IntLib	Fiducial				
17	H1	Bump, Hemisphere, 0.44 X 0.20, Clear	Y	3M	SJ-5303 (CLEAR)	1	Hardware.IntLib	SJ-5303 (CLEAR)	Digi-Key	SJ5303-7-ND	Newark	23M7326
18	H2	Bump, Hemisphere, 0.44 X 0.20, Clear	Y	3M	SJ-5303 (CLEAR)	1	Hardware.IntLib	SJ-5303 (CLEAR)	Digi-Key	SJ5303-7-ND	Newark	23M7326
19	H3	Bump, Hemisphere, 0.44 X 0.20, Clear	Y	3M	SJ-5303 (CLEAR)	1	Hardware.IntLib	SJ-5303 (CLEAR)	Digi-Key	SJ5303-7-ND	Newark	23M7326
20	H4	Bump, Hemisphere, 0.44 X 0.20, Clear	Y	3M	SJ-5303 (CLEAR)	1	Hardware.IntLib	SJ-5303 (CLEAR)	Digi-Key	SJ5303-7-ND	Newark	23M7326
21	J1	Terminal Block, 2x1, 5.08mm, TH	Y	On-Shore Technology	OSTTA024163	1	Connectors_Other.IntLib	OSTTA024163	Digi-Key	ED2580-ND		
22	J2	Terminal Block, 2x1, 5.08mm, TH	Y	On-Shore Technology	OSTTA024163	1	Connectors_Other.IntLib	OSTTA024163	Digi-Key	ED2580-ND		
23	J3	Terminal Block, 2x1, 5.08mm, TH	Y	On-Shore Technology	OSTTA024163	1	Connectors_Other.IntLib	OSTTA024163	Digi-Key	ED2580-ND		
24	J4	Terminal Block, 2x1, 5.08mm, TH	Y	On-Shore Technology	OSTTA024163	1	Connectors_Other.IntLib	OSTTA024163	Digi-Key	ED2580-ND		
25	J5	Terminal Block, 2x1, 5.08mm, TH	Y	On-Shore Technology	OSTTA024163	1	Connectors_Other.IntLib	OSTTA024163	Digi-Key	ED2580-ND		
26	J6	Terminal Block, 2x1, 5.08mm, TH	Y	On-Shore Technology	OSTTA024163	1	Connectors_Other.IntLib	OSTTA024163	Digi-Key	ED2580-ND		
27	JP1	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
28	JP2	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
29	JP3	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
30	JP4	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
31	JP5	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
32	JP6	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		
33	JP7	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
34	JP8	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
35	JP9	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
36	JP10	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
37	JP11	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
38	JP12	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		
39	JP13	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
40	JP14	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		
41	JP15	Header, 100mil, 2x1, Gold, TH	Y	Samtec	HMTSW-102-07-G-S-240	1	Connectors.IntLib	HMTSW-102-07-G-S-240	Digi-Key	HMTSW-102-07-G-S-240-ND		
42	R1	RES, 300, 5%, 0.1 W, 0603	Y	Vishay-Dale	CRCW0603300RJNEA	1	Resistor_0603.IntLib	CRCW0603300RJNEA	Digi-Key	541-300GCT-ND	Newark	59M6801
43	R2	RES, 1.0 k, 5%, 0.1 W, 0603	Y	Vishay-Dale	CRCW06031K00JNEA	1	Resistor_0603.IntLib	CRCW06031K00JNEA	Digi-Key	541-1.0KGCT-ND	Newark	59M6750
44	R3	RES, 300, 5%, 0.1 W, 0603	Y	Vishay-Dale	CRCW0603300RJNEA	1	Resistor_0603.IntLib	CRCW0603300RJNEA	Digi-Key	541-300GCT-ND	Newark	59M6801
45	R4	RES, 1.0 k, 5%, 0.1 W, 0603	Y	Vishay-Dale	CRCW06031K00JNEA	1	Resistor_0603.IntLib	CRCW06031K00JNEA	Digi-Key	541-1.0KGCT-ND	Newark	59M6750
46	R5	RES, 300, 5%, 0.1 W, 0603	Y	Vishay-Dale	CRCW0603300RJNEA	1	Resistor_0603.IntLib	CRCW0603300RJNEA	Digi-Key	541-300GCT-ND	Newark	59M6801
47	R6	RES, 1.0 k, 5%, 0.1 W, 0603	Y	Vishay-Dale	CRCW06031K00JNEA	1	Resistor_0603.IntLib	CRCW06031K00JNEA	Digi-Key	541-1.0KGCT-ND	Newark	59M6750
48	TP1	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
49	TP2	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
50	TP3	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
51	TP4	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
52	TP5	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
53	TP6	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019

54	TP7	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
55	TP8	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
56	TP9	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
57	TP10	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
58	TP11	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
59	TP12	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
60	TP13	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
61	TP14	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
62	TP15	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
63	TP16	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
64	TP17	Test Point, Miniature, SMT	Y	Keystone	5019	1	Connectors.IntLib	5019	Digi-Key	5019KCT-ND	Mouser	534-5019
65	U1, U2, U3	5.5-V, 2-A, 54mohm On-Resistance Load Switch, DBV0006A (SOT-23-6)		Texas Instruments	TPS22918QDBVT	1	TI_Pre_RTM.IntLib	TPS22918QDBVT				

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