

TIDA-01004E REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package/Reference
1	PCB1	1	TIDA-01004E	Any	Printed Circuit Board		
2	1, GND1, PGN01, VPD1, VSS1	5	0010	Any	Test Point, Measura, SMT		Test Point, Measura, SMT
3	C1, C64	2	10000pF	GR4420R73D1000W01L	MuRata	CAP. CERM. 1000 pF, 2000 V +/- 10%, X7R, 1808	1808
4	C2, C9	2	10000pF	GRM1885C2A102A01D	MuRata	CAP. CERM. 10000 pF, 100 V +/- 5%, COG/NPO, 0603	0603
5	C3, C4, C82, C83	4	0.01uF	GR01TC100K1A7A	AVX	CAP. CERM. 0.01 uF, 100 V +/- 10%, X7R, 0603	0603
6	C5	1	10uF	EE5-3AA100JF	Panasonic	CAP. AL. 10 uF, 100 V, +/- 20%, AEC-Q200 Grade 2, SMD	SMT Radial E
7	C6	1	0.1uF	GC1188R72A104K0A10	MuRata	CAP. CERM. 0.1 uF, 100 V +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
8	C7	1	2200pF	GRM1885C2A102A01D	MuRata	CAP. CERM. 2200 pF, 100 V +/- 10%, X7R, 0603	0603
9	C8	1	0.01uF	C030B8735A100000008	TDK	CAP. CERM. 0.01 uF, 100 V +/- 10%, X7S, AEC-Q200 Grade 1, 0402	0402
10	C10	1	0.1uF	C100X7R1E104M050B8	TDK	CAP. CERM. 0.1 uF, 25 V +/- 20%, X7R, 0402	0402
11	C11, C15	1	1uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 1 uF, 50 V +/- 10%, X7R, 0603	0603
12	C12, C13	2	2.2uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 2.2 uF, 100 V +/- 10%, X7R, 0410	0410
13	C14	1	0.1uF	GR01TC100K1A7A	AVX	CAP. CERM. 0.1 uF, 100 V +/- 10%, X7R, 0603	0603
14	C16, C17, C18, C19	4	2200pF	C4532X7R022K2201300A	TDK	CAP. CERM. 2200 pF, 2000 V +/- 10%, X7R, 1812	1812
15	C20, C21	2	4700pF	1812G0472K26AT1A	AVX	CAP. CERM. 4700 pF, 2000 V +/- 10%, X7R, 1812	1812
16	C22, C23, C24	3	0.1uF	GR01TC100K1A7A	AVX	CAP. CERM. 0.1 uF, 50 V +/- 10%, X7R, 0603	0603
17	C25, C26	2	100pF	GRM1885C2A102A01D	MuRata	CAP. CERM. 100 pF, 50 V +/- 5%, COG/NPO, 0402	0402
18	C27, C32, C56	6	0.1uF	BS0012200307	Würth Elektronik	CAP. CERM. 0.1 uF, 16 V +/- 10%, X7R, 0402	0402
19	C30, C36, C61	3	10uF	C1000X5R1C10000000C	TDK	CAP. CERM. 1 uF, 16 V +/- 10%, X5R, 0402	0402
20	C38, C39	2	10uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 10 uF, 10 V +/- 20%, X5R, 0402	0402
21	C20	1	1000pF	GR01TC100K1A7A	AVX	CAP. CERM. 1000 pF, 100 V +/- 10%, X7R, 0603	0603
22	C31	1	0.01uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 0.01 uF, 25 V +/- 10%, X7R, 0402	0402
23	C33, C34, C35	3	1uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 1 uF, 50 V +/- 10%, X7R, 0603	0603
24	C37	1	0.47uF	C1608X5R1H160000008	TDK	CAP. CERM. 0.47 uF, 50 V +/- 10%, X5S, 0603	0603
25	C38	1	0.1uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 0.1 uF, 25 V +/- 10%, X7R, 0402	0402
26	C40, C42, C43	3	100pF	C151810000000000E	Siemens Electro-Mechanics	CAP. CERM. 100 pF, 16 V +/- 10%, X7R, 0603	0603
27	C41, C44, C45	3	1uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 1 uF, 16 V +/- 10%, X7R, 0402	0402
28	C46, C47	2	2.2uF	BR00C2200A01A7A	AVX	CAP. CERM. 2.2 uF, 25 V +/- 10%, X7R, 0603	0603
29	C48, C49	2	1000pF	GRM1885C2A102A01D	MuRata	CAP. CERM. 1000 pF, 100 V +/- 10%, X7R, 0603	0603
30	C50	1	4.7uF	C1608X5R1H160000008	TDK	CAP. CERM. 4.7 uF, 50 V +/- 10%, X5R, 0603	0603
31	C51, C52	2	0.47uF	C1608X5R1H160000008	TDK	CAP. CERM. 0.47 uF, 50 V +/- 10%, X5R, 0603	0603
32	C53, C54	2	100pF	GR01TC100K1A7A	AVX	CAP. CERM. 100 pF, 50 V +/- 5%, COG/NPO, 0402	0402
33	C55	1	4.7uF	GR01TC100K1A7A	AVX	CAP. CERM. 4.7 uF, 10 V +/- 10%, X5R, 0603	0603
34	C56	1	0.1uF	C100X7R1E104M050B8	TDK	CAP. CERM. 0.1 uF, 50 V +/- 10%, X7R, 0402	0402
35	C57	1	1000pF	C1000X5R1C10000000C	TDK	CAP. CERM. 1000 pF, 50 V +/- 5%, COG/NPO, 0402	0402
36	C58	1	1000pF	GR01TC100K1A7A	AVX	CAP. CERM. 1000 pF, 50 V +/- 5%, COG/NPO, 0402	0402
37	C59, C60	2	0.01uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 0.01 uF, 16 V +/- 10%, X7R, 0402	0402
38	C61	1	0.01uF	GRM1885C2A102A01D	MuRata	CAP. CERM. 0.01 uF, 16 V +/- 10%, X7R, 0402	0402
39	C62, C63	2	100pF	GR01TC100K1A7A	AVX	CAP. CERM. 100 pF, 17 V +/- 10%, X7R, 0402	0402
40	C64, C65	2	100pF	GR01TC100K1A7A	AVX	CAP. CERM. 100 pF, 17 V +/- 10%, X7R, 0402	0402
41	DS9, DS10, DS11	3	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
42	DS12	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
43	DS13	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
44	DS14	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
45	DS15	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
46	DS16	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
47	DS17	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
48	DS18	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
49	DS19	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
50	DS20	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
51	DS21	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
52	DS22	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
53	DS23	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
54	DS24	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
55	DS25	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
56	DS26	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
57	DS27	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
58	DS28	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
59	DS29	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
60	DS30	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
61	DS31	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
62	DS32	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
63	DS33	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
64	DS34	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
65	DS35	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
66	DS36	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
67	DS37	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
68	DS38	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
69	DS39	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
70	DS40	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
71	DS41	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
72	DS42	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
73	DS43	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
74	DS44	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
75	DS45	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
76	DS46	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
77	DS47	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
78	DS48	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
79	DS49	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
80	DS50	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
81	DS51	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
82	DS52	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
83	DS53	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
84	DS54	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
85	DS55	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
86	DS56	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
87	DS57	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
88	DS58	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
89	DS59	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
90	DS60	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
91	DS61	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
92	DS62	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
93	DS63	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
94	DS64	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
95	DS65	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
96	DS66	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
97	DS67	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
98	DS68	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
99	DS69	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
100	DS70	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
101	DS71	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
102	DS72	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
103	DS73	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
104	DS74	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
105	DS75	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
106	DS76	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
107	DS77	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
108	DS78	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
109	DS79	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
110	DS80	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
111	DS81	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
112	DS82	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
113	DS83	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
114	DS84	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
115	DS85	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
116	DS86	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schottky, 100V, 0.2A, SOD-123	SOD-123
117	DS87	1	100pF	MM54C1141T1G	ON Semiconductor	Diode, Schott	