

TMP19A23FYFG(3.3V) Wiring Table for the FLASH Writer (BM1401W0A-G)

Rev1.00
2011/2/18

TP_VCC_EN: 3.3V Short
TP_PULL_VCC_SEL: 3.3V Short

Package: LQFP144(20x20)
Product Code: BDS046 TLCS-LQFP144-PN410120

Pin No.	Pin Name	Board Pin No.	Disposal	Board TP Pin No.	Connect
1	DVCC3	SL1	Remove solder	TP1	J_33V-L
2	P27	SL2	-	TP2	-
3	P26	SL3	-	TP3	-
4	P25	SL4	-	TP4	-
5	P24	SL5	-	TP5	-
6	P23	SL6	-	TP6	-
7	P22	SL7	-	TP7	-
8	P21	SL8	-	TP8	-
9	P20	SL9	-	TP9	-
10	TEST2	SL10	Remove solder	TP10	-
11	P17	SL11	-	TP11	-
12	P16	SL12	-	TP12	-
13	P15	SL13	-	TP13	-
14	P14	SL14	-	TP14	-
15	P13	SL15	-	TP15	-
16	P12	SL16	-	TP16	-
17	P11	SL17	-	TP17	-
18	P10	SL18	-	TP18	-
19	P07	SL19	-	TP19	-
20	P06	SL20	-	TP20	-
21	P05	SL21	-	TP21	-
22	P04	SL22	-	TP22	-
23	P03	SL23	-	TP23	-
24	P02	SL24	-	TP24	-
25	P01	SL25	-	TP25	-
26	P00	SL26	-	TP26	-
27	DVSS	SL27	Remove solder	TP27	J_GND-L
28	DVCC3	SL28	Remove solder	TP28	J_33V-L
29	P40	SL29	-	TP29	-
30	P41	SL30	-	TP30	-
31	P42	SL31	-	TP31	-
32	P43	SL32	-	TP32	-
33	P44	SL33	-	TP33	-
34	P45	SL34	-	TP34	-
35	P46	SL35	-	TP35	-
36	P47	SL36	-	TP36	-
37	TEST3	SL37	Remove solder	TP37	-
38	P30	SL38	-	TP38	-
39	P31	SL39	-	TP39	-
40	P32	SL40	-	TP40	-
41	P33	SL41	-	TP41	-
42	P34	SL42	-	TP42	-
43	P35	SL43	-	TP43	-
44	P36	SL44	-	TP44	-
45	P37	SL45	-	TP45	-
46	AVCC	SL46	Remove solder	TP46	J_33V-L
47	VREFH	SL47	Remove solder	TP47	J_33V-L
48	P70	SL48	-	TP48	-
49	P71	SL49	-	TP49	-
50	P72	SL50	-	TP50	-
51	P73	SL51	-	TP51	-
52	P74	SL52	-	TP52	-
53	P75	SL53	-	TP53	-
54	P76	SL54	-	TP54	-
55	P77	SL55	-	TP55	-
56	P80	SL56	-	TP56	-
57	P81	SL57	-	TP57	-
58	P82	SL58	-	TP58	-
59	P83	SL59	-	TP59	-
60	P84	SL60	-	TP60	-
61	AVSS	SL61	Remove solder	TP61	J_GND-D
62	P90	SL62	-	TP62	-
63	P91	SL63	-	TP63	-
64	P92	SL64	-	TP64	-
65	P93	SL65	-	TP65	-
66	P94	SL66	-	TP66	-
67	P95	SL67	-	TP67	-
68	P96	SL68	-	TP68	-
69	P97	SL69	-	TP69	-
70	REGNOIZE	SL70	Remove solder	TP70	-
71	DVSS	SL71	Remove solder	TP71	J_GND-D
72	REGVIN	SL72	Remove solder	TP72	J_33V-L

Fig1

Fig2

Pin No.	Pin Name	Board Pin No.	Disposal	Board TP Pin No.	Connect
73	REGVOUT	SL73	Remove solder	TP73	TP74, TP75
74	DVCC15	SL74	Remove solder	TP74	TP73
75	CVCC15	SL75	Remove solder	TP75	TP73
76	X1	SL76	Remove solder	TP76	J_CLOCK2
77	CVSS	SL77	Remove solder	TP77	J_GND-R
78	X2	SL78	Remove solder	TP78	J_CLOCK1
79	-RESET	SL79	Remove solder	TP79	J_SIGNAL4(RESET)
80	BW0	SL80	Remove solder	TP80	J_33V-R
81	PC0	SL81	-	TP81	-
82	PC1	SL82	-	TP82	-
83	PC2	SL83	-	TP83	-
84	PC3	SL84	-	TP84	-
85	DVCC3	SL85	Remove solder	TP85	J_33V-R
86	BW1	SL86	Remove solder	TP86	J_33V-R
87	PD7	SL87	-	TP87	-
88	PD6	SL88	-	TP88	-
89	PD5	SL89	-	TP89	-
90	PD4	SL90	-	TP90	-
91	PD3	SL91	-	TP91	-
92	PD2	SL92	-	TP92	-
93	PD1	SL93	-	TP93	-
94	PD0	SL94	-	TP94	-
95	DVSS	SL95	Remove solder	TP95	J_GND-R
96	PE5	SL96	-	TP96	-
97	PE4	SL97	-	TP97	-
98	PE3	SL98	-	TP98	-
99	PE2	SL99	-	TP99	-
100	PE1	SL100	-	TP100	-
101	PE0	SL101	-	TP101	-
102	EJE	SL102	Remove solder	TP102	-
103	DINT	SL103	Remove solder	TP103	-
104	TCK	SL104	Remove solder	TP104	-
105	TMS	SL105	Remove solder	TP105	-
106	TDO	SL106	Remove solder	TP106	-
107	TDI	SL107	Remove solder	TP107	-
108	TRST	SL108	Remove solder	TP108	-
109	DVCC3	SL109	Remove solder	TP109	J_33V-R
110	TEST1	SL110	Remove solder	TP110	-
111	PA0	SL111	-	TP111	-
112	PA1	SL112	-	TP112	-
113	PA2	SL113	-	TP113	-
114	PA3	SL114	-	TP114	-
115	PA4	SL115	-	TP115	-
116	PA5	SL116	-	TP116	-
117	PA6	SL117	-	TP117	-
118	PA7	SL118	-	TP118	-
119	PB7	SL119	-	TP119	-
120	PB6	SL120	-	TP120	-
121	PB5	SL121	Remove solder	TP121	J_SIGNAL6(RxD)
122	PB4	SL122	Remove solder	TP122	J_SIGNAL5(TxD)
123	PB3	SL123	-	TP123	-
124	PB2	SL124	-	TP124	-
125	PB1	SL125	-	TP125	-
126	PB0	SL126	-	TP126	-
127	DVSS	SL127	Remove solder	TP127	J_GND-U
128	P67	SL128	-	TP128	-
129	P66	SL129	-	TP129	-
130	P65	SL130	-	TP130	-
131	P64	SL131	-	TP131	-
132	P63	SL132	-	TP132	-
133	P62	SL133	-	TP133	-
134	P61	SL134	-	TP134	-
135	P60	SL135	-	TP135	-
136	P57	SL136	-	TP136	-
137	P56	SL137	-	TP137	-
138	P55	SL138	-	TP138	-
139	P54	SL139	-	TP139	-
140	P53	SL140	-	TP140	-
141	P52	SL141	-	TP141	-
142	P51	SL142	-	TP142	-
143	P50	SL143	-	TP143	-
144	BOOT	SL144	Remove solder	TP144	J_GND-U

Fig3

*3

*4

- Caution
- 1.No need disposal on "-" marking
 2. Basically all pins are connected to pulldown 1M-ohm factory shipped setting.
 - 3.If you use a oscillator , you do not need to connect between this pin and X2.
If you use a resonator , you need to connect between this pin and X2.
 - 4.Remove R13 of the resistor.

