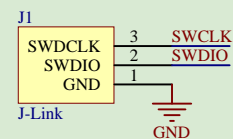
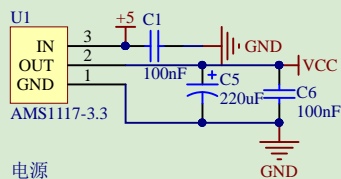


1

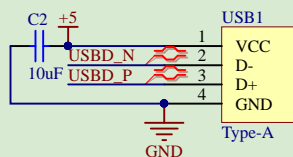


调试



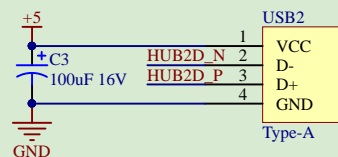
电源

2



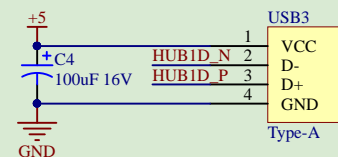
Type-A

3



Type-A

4



Type-A

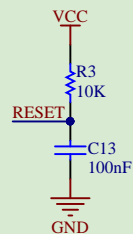
HUB接口

A

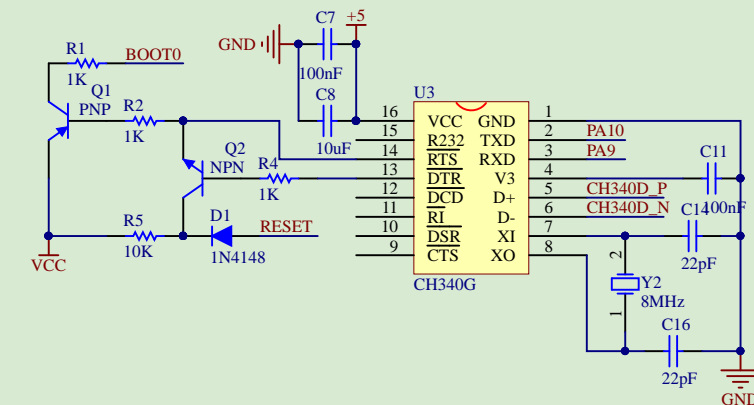
A

B

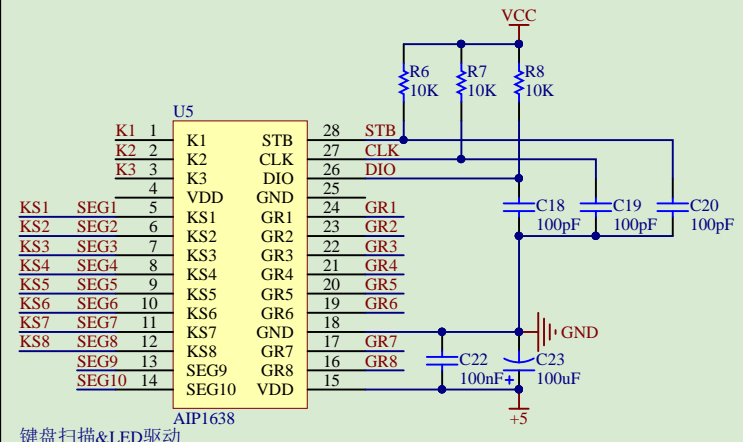
B



上电复位



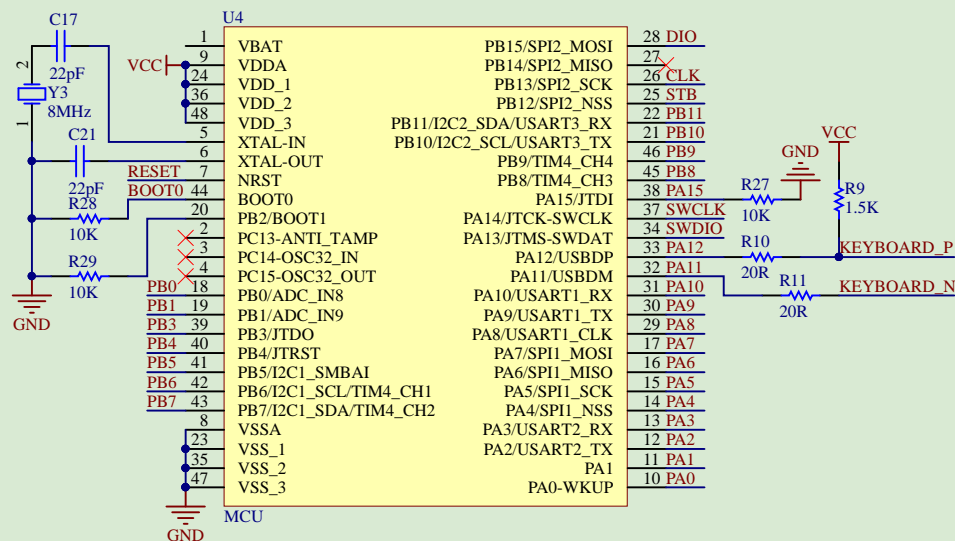
串口自动下载程序



键盘扫描&amp;LED驱动

C

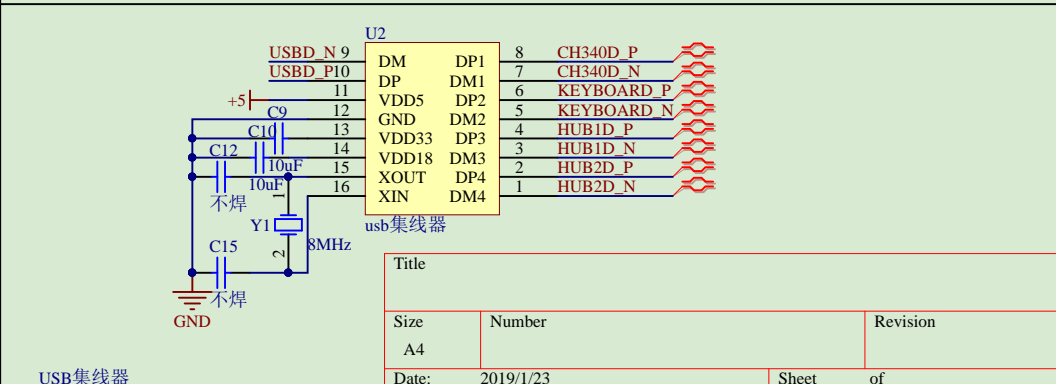
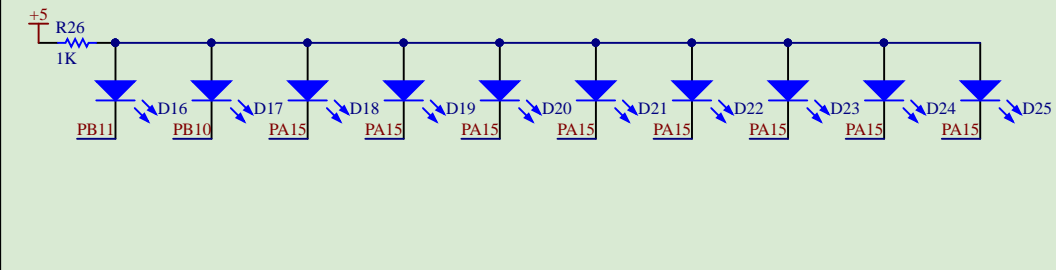
C



MCU

D

D



USB集线器

1

2

3

4

Title		
Size	Number	Revision
A4		
Date:	2019/1/23	Sheet of
File:	G:\键盘\Hard\Customer\Main.SchDoc	Drawn By:

Component	Description	Designator	Location	Label	Quantity
IC1	Capacitor	23	IC-1206 C	Capacitor	
IC2	Capacitor	24	IC-1206 C	Capacitor	
IC3	Capacitor	25	IC-1206 C	Capacitor	
IC4	Capacitor	26	IC-1206 C	Capacitor	
IC5	Capacitor	27	IC-1206 C	Capacitor	
IC6	Capacitor	28	IC-1206 C	Capacitor	
IC7	Capacitor	29	IC-1206 C	Capacitor	
IC8	Capacitor	30	IC-1206 C	Capacitor	
IC9	Capacitor	31	IC-1206 C	Capacitor	
IC10	Capacitor	32	IC-1206 C	Capacitor	
IC11	Capacitor	33	IC-1206 C	Capacitor	
IC12	Capacitor	34	IC-1206 C	Capacitor	
IC13	Capacitor	35	IC-1206 C	Capacitor	
IC14	Capacitor	36	IC-1206 C	Capacitor	
IC15	Capacitor	37	IC-1206 C	Capacitor	
IC16	Capacitor	38	IC-1206 C	Capacitor	
IC17	Capacitor	39	IC-1206 C	Capacitor	
IC18	Capacitor	40	IC-1206 C	Capacitor	
IC19	Capacitor	41	IC-1206 C	Capacitor	
IC20	Capacitor	42	IC-1206 C	Capacitor	
IC21	Capacitor	43	IC-1206 C	Capacitor	
IC22	Capacitor	44	IC-1206 C	Capacitor	
IC23	Capacitor	45	IC-1206 C	Capacitor	
IC24	Capacitor	46	IC-1206 C	Capacitor	
IC25	Capacitor	47	IC-1206 C	Capacitor	
IC26	Capacitor	48	IC-1206 C	Capacitor	
IC27	Capacitor	49	IC-1206 C	Capacitor	
IC28	Capacitor	50	IC-1206 C	Capacitor	
IC29	Capacitor	51	IC-1206 C	Capacitor	
IC30	Capacitor	52	IC-1206 C	Capacitor	
IC31	Capacitor	53	IC-1206 C	Capacitor	
IC32	Capacitor	54	IC-1206 C	Capacitor	
IC33	Capacitor	55	IC-1206 C	Capacitor	
IC34	Capacitor	56	IC-1206 C	Capacitor	
IC35	Capacitor	57	IC-1206 C	Capacitor	
IC36	Capacitor	58	IC-1206 C	Capacitor	
IC37	Capacitor	59	IC-1206 C	Capacitor	
IC38	Capacitor	60	IC-1206 C	Capacitor	
IC39	Capacitor	61	IC-1206 C	Capacitor	
IC40	Capacitor	62	IC-1206 C	Capacitor	
IC41	Capacitor	63	IC-1206 C	Capacitor	
IC42	Capacitor	64	IC-1206 C	Capacitor	
IC43	Capacitor	65	IC-1206 C	Capacitor	
IC44	Capacitor	66	IC-1206 C	Capacitor	
IC45	Capacitor	67	IC-1206 C	Capacitor	
IC46	Capacitor	68	IC-1206 C	Capacitor	
IC47	Capacitor	69	IC-1206 C	Capacitor	
IC48	Capacitor	70	IC-1206 C	Capacitor	
IC49	Capacitor	71	IC-1206 C	Capacitor	
IC50	Capacitor	72	IC-1206 C	Capacitor	
IC51	Capacitor	73	IC-1206 C	Capacitor	
IC52	Capacitor	74	IC-1206 C	Capacitor	
IC53	Capacitor	75	IC-1206 C	Capacitor	
IC54	Capacitor	76	IC-1206 C	Capacitor	
IC55	Capacitor	77	IC-1206 C	Capacitor	
IC56	Capacitor	78	IC-1206 C	Capacitor	
IC57	Capacitor	79	IC-1206 C	Capacitor	
IC58	Capacitor	80	IC-1206 C	Capacitor	
IC59	Capacitor	81	IC-1206 C	Capacitor	
IC60	Capacitor	82	IC-1206 C	Capacitor	
IC61	Capacitor	83	IC-1206 C	Capacitor	
IC62	Capacitor	84	IC-1206 C	Capacitor	
IC63	Capacitor	85	IC-1206 C	Capacitor	
IC64	Capacitor	86	IC-1206 C	Capacitor	
IC65	Capacitor	87	IC-1206 C	Capacitor	
IC66	Capacitor	88	IC-1206 C	Capacitor	
IC67	Capacitor	89	IC-1206 C	Capacitor	
IC68	Capacitor	90	IC-1206 C	Capacitor	
IC69	Capacitor	91	IC-1206 C	Capacitor	
IC70	Capacitor	92	IC-1206 C	Capacitor	
IC71	Capacitor	93	IC-1206 C	Capacitor	
IC72	Capacitor	94	IC-1206 C	Capacitor	
IC73	Capacitor	95	IC-1206 C	Capacitor	
IC74	Capacitor	96	IC-1206 C	Capacitor	
IC75	Capacitor	97	IC-1206 C	Capacitor	
IC76	Capacitor	98	IC-1206 C	Capacitor	
IC77	Capacitor	99	IC-1206 C	Capacitor	
IC78	Capacitor	100	IC-1206 C	Capacitor	
IC79	Capacitor	101	IC-1206 C	Capacitor	
IC80	Capacitor	102	IC-1206 C	Capacitor	
IC81	Capacitor	103	IC-1206 C	Capacitor	
IC82	Capacitor	104	IC-1206 C	Capacitor	
IC83	Capacitor	105	IC-1206 C	Capacitor	
IC84	Capacitor	106	IC-1206 C	Capacitor	
IC85	Capacitor	107	IC-1206 C	Capacitor	
IC86	Capacitor	108	IC-1206 C	Capacitor	
IC87	Capacitor	109	IC-1206 C	Capacitor	
IC88	Capacitor	110	IC-1206 C	Capacitor	
IC89	Capacitor	111	IC-1206 C	Capacitor	
IC90	Capacitor	112	IC-1206 C	Capacitor	
IC91	Capacitor	113	IC-1206 C	Capacitor	
IC92	Capacitor	114	IC-1206 C	Capacitor	
IC93	Capacitor	115	IC-1206 C	Capacitor	
IC94	Capacitor	116	IC-1206 C	Capacitor	
IC95	Capacitor	117	IC-1206 C	Capacitor	
IC96	Capacitor	118	IC-1206 C	Capacitor	
IC97	Capacitor	119	IC-1206 C	Capacitor	
IC98	Capacitor	120	IC-1206 C	Capacitor	
IC99	Capacitor	121	IC-1206 C	Capacitor	
IC100	Capacitor	122	IC-1206 C	Capacitor	
IC101	Capacitor	123	IC-1206 C	Capacitor	
IC102	Capacitor	124	IC-1206 C	Capacitor	
IC103	Capacitor	125	IC-1206 C	Capacitor	
IC104	Capacitor	126	IC-1206 C	Capacitor	
IC105	Capacitor	127	IC-1206 C	Capacitor	
IC106	Capacitor	128	IC-1206 C	Capacitor	
IC107	Capacitor	129	IC-1206 C	Capacitor	
IC108	Capacitor	130	IC-1206 C	Capacitor	
IC109	Capacitor	131	IC-1206 C	Capacitor	
IC110	Capacitor	132	IC-1206 C	Capacitor	
IC111	Capacitor	133	IC-1206 C	Capacitor	
IC112	Capacitor	134	IC-1206 C	Capacitor	
IC113	Capacitor	135	IC-1206 C	Capacitor	
IC114	Capacitor	136	IC-1206 C	Capacitor	
IC115	Capacitor	137	IC-1206 C	Capacitor	
IC116	Capacitor	138	IC-1206 C	Capacitor	
IC117	Capacitor	139	IC-1206 C	Capacitor	
IC118	Capacitor	140	IC-1206 C	Capacitor	
IC119	Capacitor	141	IC-1206 C	Capacitor	
IC120	Capacitor	142	IC-1206 C	Capacitor	
IC121	Capacitor	143	IC-1206 C	Capacitor	
IC122	Capacitor	144	IC-1206 C	Capacitor	
IC123	Capacitor	145	IC-1206 C	Capacitor	
IC124	Capacitor	146	IC-1206 C	Capacitor	
IC125	Capacitor	147	IC-1206 C	Capacitor	
IC126	Capacitor	148	IC-1206 C	Capacitor	
IC127	Capacitor	149	IC-1206 C	Capacitor	
IC128	Capacitor	150	IC-1206 C	Capacitor	
IC129	Capacitor	151	IC-1206 C	Capacitor	
IC130	Capacitor	152	IC-1206 C	Capacitor	
IC131	Capacitor	153	IC-1206 C	Capacitor	
IC132	Capacitor	154	IC-1206 C	Capacitor	
IC133	Capacitor	155	IC-1206 C	Capacitor	
IC134	Capacitor	156	IC-1206 C	Capacitor	
IC135	Capacitor	157	IC-1206 C	Capacitor	
IC136	Capacitor	158	IC-1206 C	Capacitor	
IC137	Capacitor	159	IC-1206 C	Capacitor	
IC138	Capacitor	160	IC-1206 C	Capacitor	
IC139	Capacitor	161	IC-1206 C	Capacitor	
IC140	Capacitor	162	IC-1206 C	Capacitor	
IC141	Capacitor	163	IC-1206 C	Capacitor	
IC142	Capacitor	164	IC-1206 C	Capacitor	
IC143	Capacitor	165	IC-1206 C	Capacitor	
IC144	Capacitor	166	IC-1206 C	Capacitor	
IC145	Capacitor	167	IC-1206 C	Capacitor	
IC146	Capacitor	168	IC-1206 C	Capacitor	
IC147	Capacitor	169	IC-1206 C	Capacitor	
IC148	Capacitor	170	IC-1206 C	Capacitor	
IC149	Capacitor	171	IC-1206 C	Capacitor	
IC150	Capacitor	172	IC-1206 C	Capacitor	
IC151	Capacitor	173	IC-1206 C	Capacitor	
IC152	Capacitor	174	IC-1206 C	Capacitor	
IC153	Capacitor	175	IC-1206 C	Capacitor	
IC154	Capacitor	176	IC-1206 C	Capacitor	
IC155	Capacitor	177	IC-1206 C	Capacitor	
IC156	Capacitor	178	IC-1206 C	Capacitor	
IC157	Capacitor	179	IC-1206 C	Capacitor	
IC158	Capacitor	180	IC-1206 C	Capacitor	
IC159	Capacitor	181	IC-1206 C	Capacitor	
IC160	Capacitor	182	IC-1206 C	Capacitor	
IC161	Capacitor	183	IC-1206 C	Capacitor	
IC162	Capacitor	184	IC-1206 C	Capacitor	
IC163	Capacitor	185	IC-1206 C	Capacitor	
IC164	Capacitor	186	IC-1206 C	Capacitor	
IC165	Capacitor	187	IC-1206 C	Capacitor	
IC166	Capacitor	188	IC-1206 C	Capacitor	
IC167	Capacitor	189	IC-1206 C	Capacitor	
IC168	Capacitor	190	IC-1206 C	Capacitor	
IC169	Capacitor	191	IC-1206 C	Capacitor	
IC170	Capacitor	192	IC-1206 C	Capacitor	
IC171	Capacitor	193	IC-1206 C	Capacitor	
IC172	Capacitor	194	IC-1206 C	Capacitor	
IC173	Capacitor	195	IC-1206 C	Capacitor	
IC174	Capacitor	196	IC-1206 C	Capacitor	
IC175	Capacitor	197	IC-1206 C	Capacitor	
IC176	Capacitor	198	IC-1206 C	Capacitor	
IC177	Capacitor	199	IC-1206 C	Capacitor	
IC178	Capacitor	200	IC-1206 C	Capacitor	
IC179	Capacitor	201	IC-1206 C	Capacitor	
IC180	Capacitor	202	IC-1206 C	Capacitor	
IC181	Capacitor	203	IC-1206 C	Capacitor	
IC182	Capacitor	204	IC-1206 C	Capacitor	
IC183	Capacitor	205	IC-1206 C	Capacitor	
IC184	Capacitor	206	IC-1206 C	Capacitor	
IC185	Capacitor	207	IC-1206 C	Capacitor	
IC186	Capacitor	208	IC-1206 C	Capacitor	
IC187	Capacitor	209	IC-1206 C	Capacitor	
IC188	Capacitor	210	IC-1206 C	Capacitor	
IC189	Capacitor	211	IC-1206 C	Capacitor	
IC190	Capacitor	212	IC-1206 C	Capacitor	
IC191	Capacitor	213	IC-1206 C	Capacitor	
IC192	Capacitor	214	IC-1206 C	Capacitor	
IC193	Capacitor	215	IC-1206 C	Capacitor	
IC194	Capacitor	216	IC-1206 C	Capacitor	
IC195	Capacitor	217	IC-1206 C	Capacitor	
IC196	Capacitor	218	IC-1206 C	Capacitor	
IC197	Capacitor	219	IC-1206 C	Capacitor	
IC198	Capacitor	220	IC-1206 C	Capacitor	
IC199	Capacitor	221	IC-1206 C	Capacitor	
IC200	Capacitor	222	IC-1206 C	Capacitor	
IC201	Capacitor	223	IC-1206 C	Capacitor	
IC202	Capacitor	224	IC-1206 C	Capacitor	
IC203	Capacitor	225	IC-1206 C	Capacitor	
IC204	Capacitor	226	IC-1206 C	Capacitor	
IC205	Capacitor	227	IC-1206 C	Capacitor	
IC206	Capacitor	228	IC-1206 C	Capacitor	
IC207	Capacitor	229	IC-1206 C	Capacitor	
IC208	Capacitor	230	IC-1206 C	Capacitor	
IC209	Capacitor	231	IC-1206 C	Capacitor	
IC210	Capacitor	232	IC-1206 C	Capacitor	
IC211	Capacitor	233	IC-1206 C	Capacitor	
IC212	Capacitor	234	IC-1206 C	Capacitor	
IC213	Capacitor	235	IC-1206 C	Capacitor	
IC214	Capacitor	236	IC-1206 C	Capacitor	
IC215	Capacitor	237	IC-1206 C	Capacitor	
IC216	Capacitor	238	IC-1206 C	Capacitor	
IC217	Capacitor	239	IC-1206 C	Capacitor	
IC218	Capacitor	240	IC-1206 C	Capacitor	
IC219	Capacitor	241	IC-1206 C	Capacitor	
IC220	Capacitor	242	IC-1206 C	Capacitor	
IC221	Capacitor	243	IC-1206 C	Capacitor	
IC222	Capacitor	244	IC-1206 C	Capacitor	
IC223	Capacitor	245	IC-1206 C	Capacitor	
IC224	Capacitor	246	IC-1206 C	Capacitor	
IC225	Capacitor	247	IC-1206 C	Capacitor	
IC226	Capacitor	248	IC-1206 C	Capacitor	
IC227	Capacitor	249	IC-1206 C	Capacitor	
IC228	Capacitor	250	IC-1206 C	Capacitor	
IC229	Capacitor	251	IC-1206 C	Capacitor	
IC230	Capacitor	252	IC-1206 C	Capacitor	
IC231	Capacitor	253	IC-1206 C	Capacitor	
IC232	Capacitor	254	IC-1206 C	Capacitor	
IC233	Capacitor	255	IC-1206 C	Capacitor	
IC234	Capacitor	256	IC-1206 C	Capacitor	
IC235	Capacitor	257	IC-1206 C	Capacitor	
IC236	Capacitor	258	IC-1206 C	Capacitor	
IC237	Capacitor				