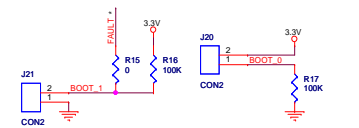


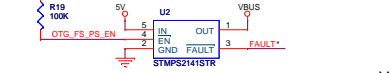
The diagram shows the pin connections for the STM32F405RGT6 microcontroller. The pins are arranged in two rows: pins 1-20 on the left and pins 21-40 on the right. Each pin is connected to a specific function or peripheral. The functions are listed in the right column of the diagram.

Pin	Function
1	NC
2	NC
3	NC
4	NC
5	NC
6	NC
7	NC
8	NC
9	NC
10	NC
11	NC
12	NC
13	NC
14	PA0
15	PA1
16	PA2
17	PA3
18	PA4
19	PA5
20	PA6
21	PWM_0
22	PA7
23	PWM_1
24	PA8
25	PA9
26	PWM_2
27	PA10
28	PA11
29	PA12
30	PA13
31	PA14
32	PA15
33	PWM_3
34	PWM_4
35	SPD1_CLK
36	SPD1_MISO
37	SPD1_MOSI
38	USART1_TX
39	USART1_RX
40	PWM_5
41	PWM_6
42	PWM_7
43	PWM_8
44	OC1A
45	OC1B
46	OC1A
47	OC1B
48	OC1A
49	OC1B
50	OC1A
51	OC1B
52	OC1A
53	OC1B
54	OC1A
55	OC1B
56	OC1A
57	OC1B
58	OC1A
59	OC1B
60	OC1A
61	OC1B
62	OC1A
63	OC1B
64	OC1A
65	OC1B
66	OC1A
67	OC1B
68	OC1A
69	OC1B
70	OC1A
71	OC1B
72	OC1A
73	OC1B
74	OC1A
75	OC1B
76	OC1A
77	OC1B
78	OC1A
79	OC1B
80	OC1A
81	OC1B
82	OC1A
83	OC1B
84	OC1A
85	OC1B
86	OC1A
87	OC1B
88	OC1A
89	OC1B
90	OC1A
91	OC1B
92	OC1A
93	OC1B
94	OC1A
95	OC1B
96	OC1A
97	OC1B
98	OC1A
99	OC1B
100	OC1A
101	OC1B
102	OC1A
103	OC1B
104	OC1A
105	OC1B
106	OC1A
107	OC1B
108	OC1A
109	OC1B
110	OC1A
111	OC1B
112	OC1A
113	OC1B
114	OC1A
115	OC1B
116	OC1A
117	OC1B
118	OC1A
119	OC1B
120	OC1A
121	OC1B
122	OC1A
123	OC1B
124	OC1A
125	OC1B
126	OC1A
127	OC1B
128	OC1A
129	OC1B
130	OC1A
131	OC1B
132	OC1A
133	OC1B
134	OC1A
135	OC1B
136	OC1A
137	OC1B
138	OC1A
139	OC1B
140	OC1A
141	OC1B
142	OC1A
143	OC1B
144	OC1A
145	OC1B
146	OC1A
147	OC1B
148	OC1A
149	OC1B
150	OC1A
151	OC1B
152	OC1A
153	OC1B
154	OC1A
155	OC1B
156	OC1A
157	OC1B
158	OC1A
159	OC1B
160	OC1A
161	OC1B
162	OC1A
163	OC1B
164	OC1A
165	OC1B
166	OC1A
167	OC1B
168	OC1A
169	OC1B
170	OC1A
171	OC1B
172	OC1A
173	OC1B
174	OC1A
175	OC1B
176	OC1A
177	OC1B
178	OC1A
179	OC1B
180	OC1A
181	OC1B
182	OC1A
183	OC1B
184	OC1A
185	OC1B
186	OC1A
187	OC1B
188	OC1A
189	OC1B
190	OC1A
191	OC1B
192	OC1A
193	OC1B
194	OC1A
195	OC1B



Change List :

- J32 from 475900001 to 475980001 (20)



I/O port

Pin	Signal
1	APC_IN
2	APC_SET
3	APC_AUX
4	VSS
5	I01
6	I02
7	I03
8	I04
9	VDD
10	SDA
11	SCL
12	LED3

3.3V

PC9633DP1

Address : 0x61

LED dimmer

Pin	Signal
1	LIB_01
2	LIB_02
3	LIB_03
4	VSS
5	I01
6	I02
7	I03
8	I04
9	VDD
10	SDA
11	SCL
12	LED3

3.3V

PC9633DP1

Address : 0x62

Red

3.3V

D1 LED

R8 330

VLLB

CON2

Q1 HMBS050

LLB_01

Green

3.3V

D4 LED

R11 330

VLLB

CON2

Q2 HMBS050

LLB_02

Blue

3.3V

D5 LED

R13 330

VLLB

CON2

Q3 HMBS050

LLB_03

Yellow

3.3V

D6 LED

R18 330

VLLB

CON2

Q4 HMBS050

LLB_04

Diagram showing the connection of Pin 1 of J14 to ground. The pin is labeled '1' and is connected to a ground symbol.

[illegible]

Diagram showing the connection between J29 and CON7:

- J29 Pin 7 to CON7 Pin 1 (APC_SET)
- J29 Pin 6 to CON7 Pin 2 (APC_AUX)
- J29 Pin 5 to CON7 Pin 3 (USART6_RX)
- J29 Pin 4 to CON7 Pin 4 (USART6_TX)
- J29 Pin 3 to CON7 Pin 5 (APC_EN)
- J29 Pin 1 to CON7 Pin 1 (Ground)
- VREG is connected to CON7 Pin 2

LPF : Cut-off frequency
 $f_c = 88.4194128288\text{Hz} \quad (18\text{K ohm})$

LPF : Cut-off frequency
 $f_c = 194.091394015\text{Hz} \quad (8.2\text{K ohm})$

Change List :
R23 from 640 ohm to 680 ohm (2012/08/30)

Change List :

D7,D9 from 10BQ030 to 8S14 (2012/08/30)

[illegible]