

## G400D Pinout

Many signals on the G400 are multiplexed to offer multiple functions on a single pin. Developers can decide on the pin functionality to be used through the provided libraries. Any pin with no name, function, or note must be left G400D Pinout

Pin	Name	Function	Pin	Name	Function	Pin	Name	Function	Pin	Name	Function
1		GND	51		GND	101	PC31		151		GND
2		ETH PHY TX-	52			102	PA0	COM2 TX	152	PC0	LCD B0
3			53			103	PA1	COM2 RX	153	PC1	LCD B1
4		ETH PHY TX+	54			104	PB12	ADC1 TOUCH YU	154	PC2	LCD B2
5		GND	55			105	PC18	PWM0	155	PC3	LCD B3
6		ETH PHY RX-	56			106		3.3 V	156	PC4	LCD B4
7			57	PD18		107		SPI1 MISO	157	PB13	ADC2 TOUCH XL
8		ETH PHY RX+	58	PD17		108		SPI1 MOSI	158	PB14	ADC3
9			59	PD16		109		SPI1 SCK	159	PB15	ADC4
10		ETH PHY SPEED	60		3.3 V	110	PB17	ADC6	160		3.3 V
11		ETH PHY LINK	61	PD15		111	PA4	LDR1	161	PC5	LCD G0
12			62	PD14		112	PC19	PWM1	162	PC6	LCD G1
13		GND	63	PD13		113		GND	163	PC7	LCD G2
14			64	PD12		114	PB16	ADC5	164	PC8	LCD G3 COM5 TX
15			65		GND	115 <sup>1</sup>	PA30	I2C SDA	165	PC9	LCD G4 COM5 RX
16			66	PD11		116 <sup>1</sup>	PA31	I2C SCL	166	PD1	TOUCH YD
17			67	PD10		117	PA9	COM1 RX CAN1 RD	167	PA8	COM4 RX
18			68	PD9		118	PA10	COM1 TX CAN1 TD	168	PC15	LCD R4
19			69	PD8		119	PC24		169		GND
20		3.3 V	70			120	PA2	COM2 RTS	170	PC10	LCD G5
21			71			121	PA3	COM2 CTS	171	PC11	LCD R0
22			72		3.3 V	122	PD7		172	PC12	LCD R1
23			73			123	PA15	SD D0	173	PC13	LCD R2
24			74			124		3.3 V	174	PC14	LCD R3
25			75			125	PA16	SD CMD	175	PA23	SPI2 CLK
26			76			126	PA17	SD CLK	176	PA21	SPI2 MISO
27		GND	77			127	PA18	SD D1	177		
28			78			128	PA19	SD D2	178	PA22	SPI2 MOSI
29			79		GND	129	PA20	SD D3	179		
30			80			130	PC21	PWM3	180		3.3 V
31			81			131		GND	181		
32		3.3 V	82			132	PC26		182		USBH1 D+
33			83			133	PC20	PWM2	183		VBAT
34			84			134	PA24	LDR0	184		USBH1 D-
35			85			135	PA25	MODE	185		GND
36			86			136	PA26		186		GND
37			87			137	PA27		187		RESET
38			88		3.3 V	138	PA28		188		USBH0 D+
39			89			139	PA29		189		
40		GND	90			140	PC16	COM6 TX	190		USBH0 D-
41		GND	91	PB8	ADC9	141	PC17	COM6 RX	191		
42			92	PD2	TOUCH XR	142		3.3 V	192		3.3 V
43			93	PC23		143	PC27	LCD VS	193		
44			94	PD0		144	PC28	LCD HS	194		USBC D+
45			95		GND	145	PC30	LCD CLK	195		
46		3.3 V	96	PB18		146	PC29	LCD OE	196		USBC D-
47			97	PB11	ADC0	147	PD3		197		
48			98	PA5	COM3 TX CAN2 TD	148	PD4		198		GND
49			99	PA6	COM3 RX CAN2 RD	149	PD5		199		
50			100	PC22		150	PD6		200	PA7	COM4 TX

<sup>1</sup>Open drain requiring a 2.2 kΩ pull-up resistor