Badger.Pike :Engine Control Rev.2

70.0000 mm

12.9900 mm

2.1920 mm

If this resistor is not soldered then pin 7 and 8 will act like NC.

R7 is CANBUS 120ohms termination resistor
if this board is not at the end of bus then please remove this resistor.

Board labels: DISCH., U4, C13, Q2, IGNITION, BOOT, 3v3, J1, Q1, CHARGE, BATT, L1, C11, CONTINUITY, C12, PWR, HeartBeat, J3, MCU, GPIO, CONT., J5, R7, U2, R6, C1, BO

J1: STLink/Debug Connector	
Pin #	Func.
1	nRESET
2	SWCLK
3	SWO
4	SWDIO
5	GND
6	GND
7	3v3
8	3v3
9	NC
10	NC

BATT.	
Pin #	Func.
1	Vcc
2	GND

J5: UART1 DBG	
Pin #	Func.
1	Tx / PA9
2	Rx / PA10
3	GND

GPIO	
Pin #	Func.
0	IO0 / PA0
1	IO1 / PA1
2	IO2 / PA2
3	IO3 / PA3

MCU PIN Map	
Pin #	Func.
PC14	LED_HeartBeat
PB4	LED_Continuity
PC15	CHARGE
PB9	nDISCHARGE
PC13	IGN0
PA12	CAN_TX
PA11	CAN_RX

Centroid Connector	
Pin #	Func.
1	GND
2	IGN+
3	CONT0 / PB8
4	CONT1 / PB7
5	CONT2 / PB6
6	Burnout / PB5
7	CAN_H
8	CAN_L