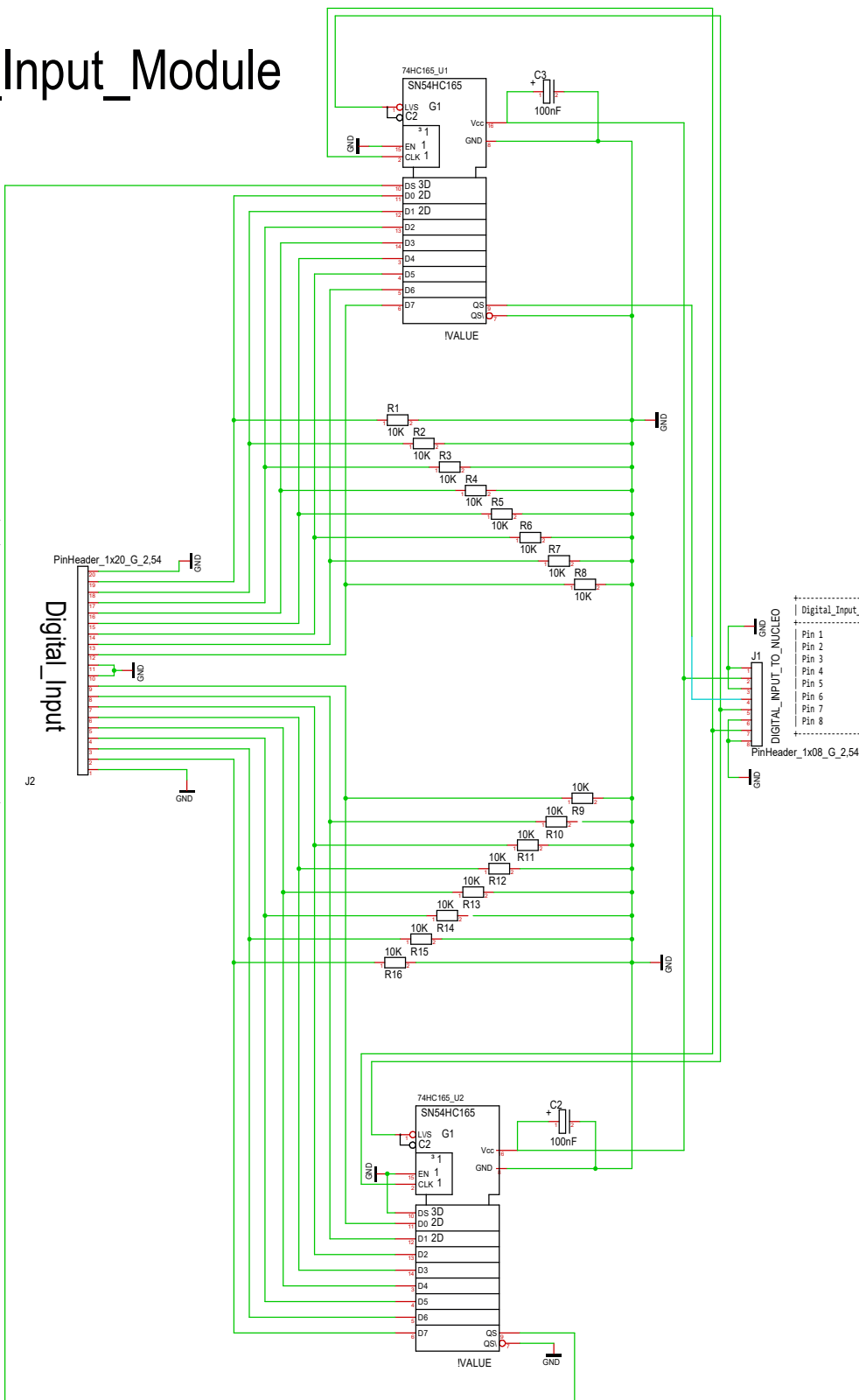


Digital_Input_Module

Header Pin	Description	74HC165 Connection
Pin 1	GND	-
Pin 2	Digital_IN_1	U1_D0
Pin 3	Digital_IN_2	U1_D1
Pin 4	Digital_IN_3	U1_D2
Pin 5	Digital_IN_4	U1_D3
Pin 6	Digital_IN_5	U1_D4
Pin 7	Digital_IN_6	U1_D5
Pin 8	Digital_IN_7	U1_D6
Pin 9	Digital_IN_8	U1_D7
Pin 10	GND	-
Pin 11	GND	-
Pin 12	Digital_IN_9	U2_D0
Pin 13	Digital_IN_10	U2_D1
Pin 14	Digital_IN_11	U2_D2
Pin 15	Digital_IN_12	U2_D3
Pin 16	Digital_IN_13	U2_D4
Pin 17	Digital_IN_14	U2_D5
Pin 18	Digital_IN_15	U2_D6
Pin 19	Digital_IN_16	U2_D7
Pin 20	GND	-



Digital_Input_BUS_8*1	Description	74HC165 U1	74HC165 U2	Nucleo Pin
Pin 1	GND	-	-	GND
Pin 2	VDD	VDD	VDD	VDD
Pin 3	GND	-	-	GND
Pin 4	DATA	Q5	DS*	TBD
Pin 5	LATCH	LVS	LVS	TBD
Pin 6	GND	-	-	GND
Pin 7	CLK	CLK	CLK	TBD
Pin 8	GND	-	-	GND

Qinyuan Liu
20137095
FYP