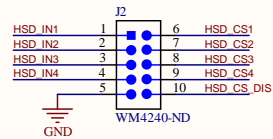


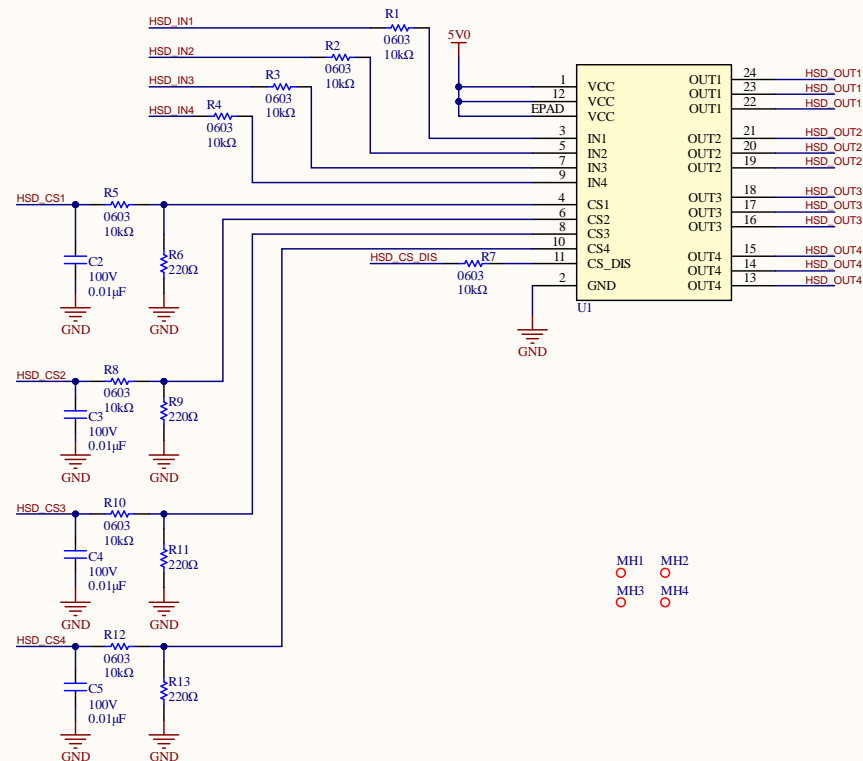
Header to Nucleo



Rsense Calculation (R6, R9, R11, R13)

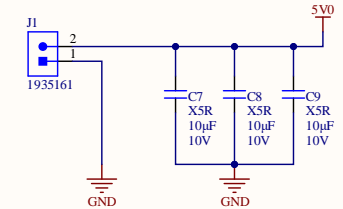
MCU ADC Range: Max 3.3V
 Max Testing Current: 5A
 Typical Current Sense Gain Value: 465

$R_{sense} = 465 * 3.3V / 5A = 307 \text{ Ohm}$
 Select 220 Ohm to be safe and to use 0603 footprint

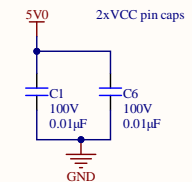


MH1 MH2
 MH3 MH4

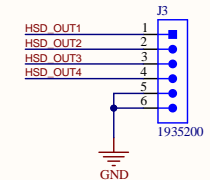
Power

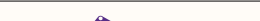


Decoupling Caps



Screw Terminal to Load Tester



Title: HSD		
Project: HSD_Eval.PrjPcb		
Rev: 1	Reviewer: *	
	Engineer: Tibi Andronescu	
Date: 2021-03-25	Sheet: 1 of 1	