

Module: H01R0

Title: H17R0_Backend.SchDoc

Description:
RGB LEDRevision: 0
Size: Letter

Date: 11/11/2025

Time: 10:30:56 AM

Tables 7-3 and 7-7 were taken from the DRV8424 datasheet

1 = connect to DVDD, 0 = connect to GND, Hi-Z = unconnected

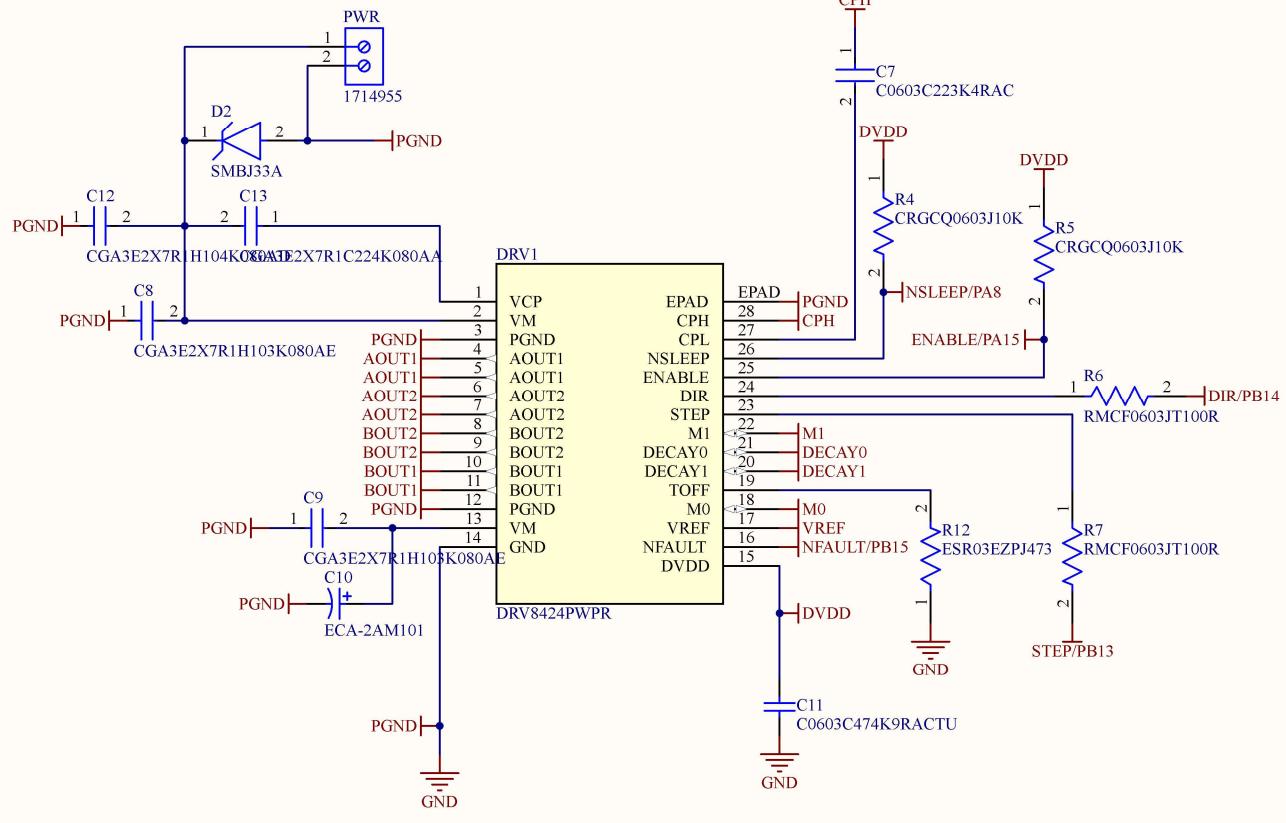


Table 7-3. Microstepping Indexer Settings

		STEP MODE
MODE0	MODE1	Full step (2-phase excitation) with 100% current
0	0	Full step (2-phase excitation) with 71% current
1	0	Non-circular 1/2 step
Hi-Z	0	1/2 step
0	1	1/4 step
1	1	1/8 step
Hi-Z	1	1/16 step
0	Hi-Z	1/32 step
Hi-Z	0	1/64 step
Hi-Z	Hi-Z	1/128 step
1	Hi-Z	1/256 step

Table 7-7. Decay Mode Settings

DECAY0	DECAY1	INCREASING STEPS	DECREASING STEPS
0	0	Smart tune Dynamic Decay	Smart tune Dynamic Decay
0	1	Smart tune Ripple Control	Smart tune Ripple Control
1	0	Mixed decay: 30% fast	Mixed decay: 30% fast
1	1	Slow decay	Mixed decay: 30% fast
Hi-Z	0	Mixed decay: 60% fast	Mixed decay: 60% fast
Hi-Z	1	Slow decay	Slow decay

