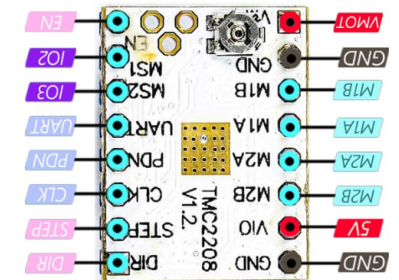
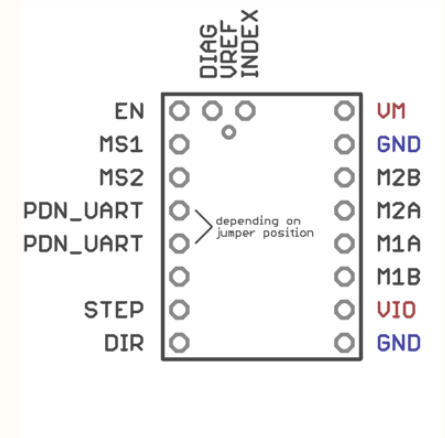
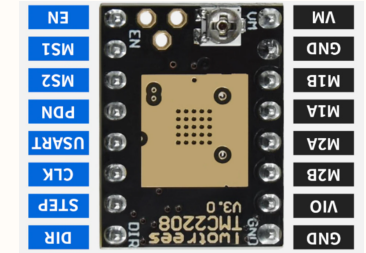
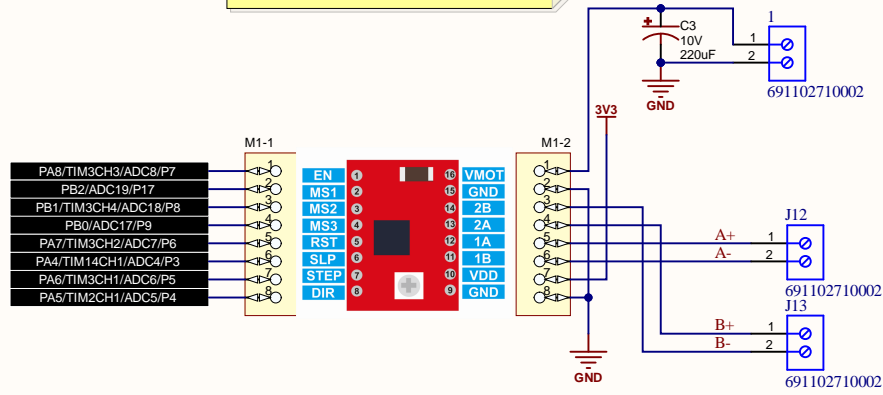


A  
 \$0.70 A4988 Red/green 35V 2A  
 \$1.50 DRV8825 purple 45V 2.5A @24v  
 \$1.80 TMC2208 white 1A 36V UART \$3.00  
 TMC2209 black: 2.8A 29V UART

all 15x20mm 500mil spacing



Title: *StepDrive P1*

Part #: GDL-ACSTEPDP1-A

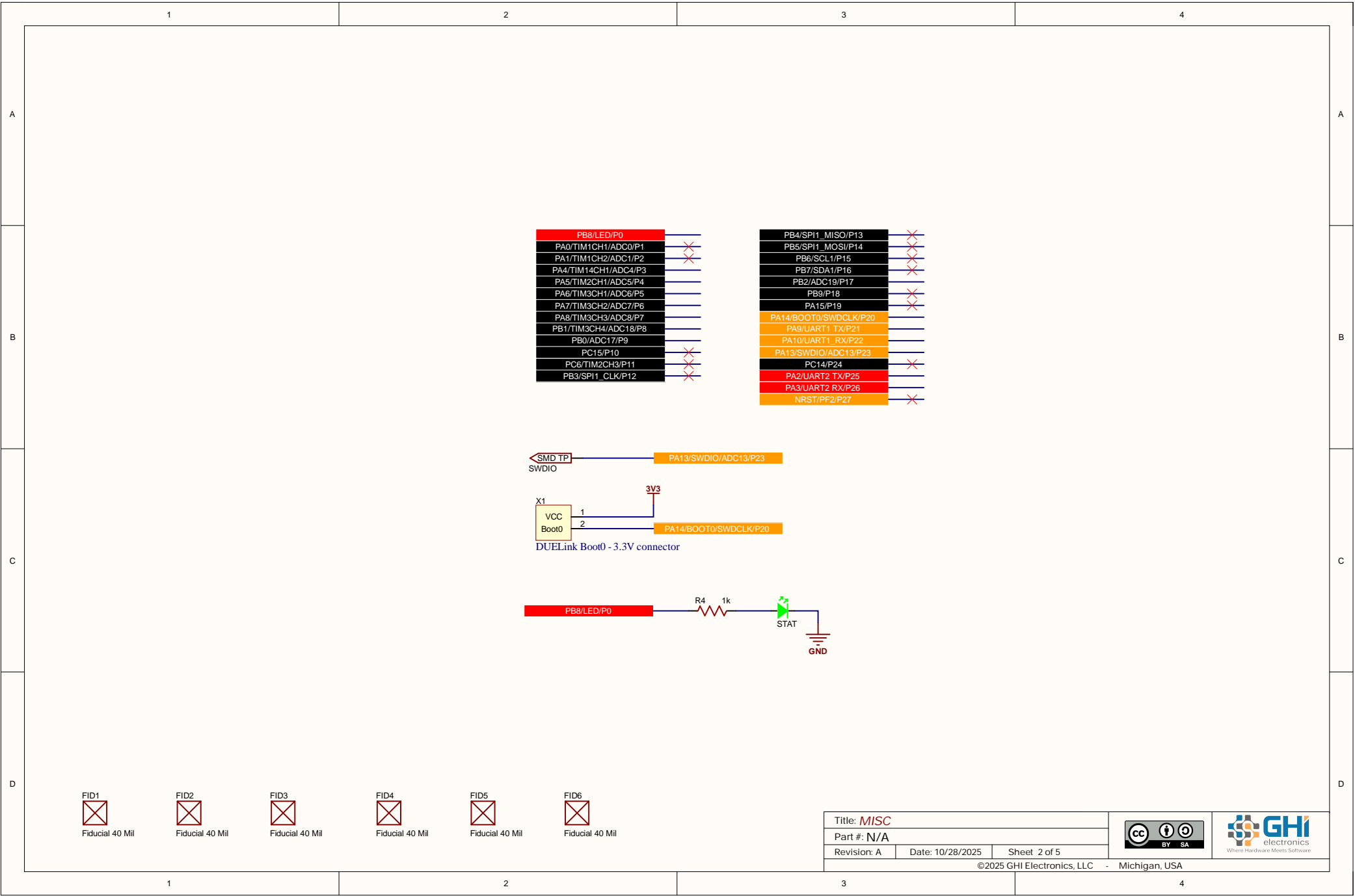
Revision: A

Date: 10/28/2025

Sheet 1 of 5



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FID1

Fiducial 40 Mil

FID2

Fiducial 40 Mil

FID3

Fiducial 40 Mil

FID4

Fiducial 40 Mil

FID5

Fiducial 40 Mil

FID6

Fiducial 40 Mil

Title: MISC

Part #: N/A

Revision: A

Date: 10/28/2025

Sheet 2 of 5

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GHI electronics

Where Hardware Meets Software

Software Features:

ADC: P1, P2, P3, P4, P5, P6, P7, P8, P9, P17

Touch: Can be any pin but hardware need 100pF + 1Mohm

HW PWM: P1, P2, P3, P4, P5, P6, P7, P8, P11

- \* P1, P2: TIM1
- \* P3: TIM14
- \* P4, P11: TIM2
- \* P5, 6, 7, 8: TIM3

SW UART: Pins 1 RX, 2 TX

Wakeup Pins: P1, P3

Interrupts on: P1, P2, P3, P4, P5, P6, P7, P12

UART1 is available when not used in Uplink





