

6

5

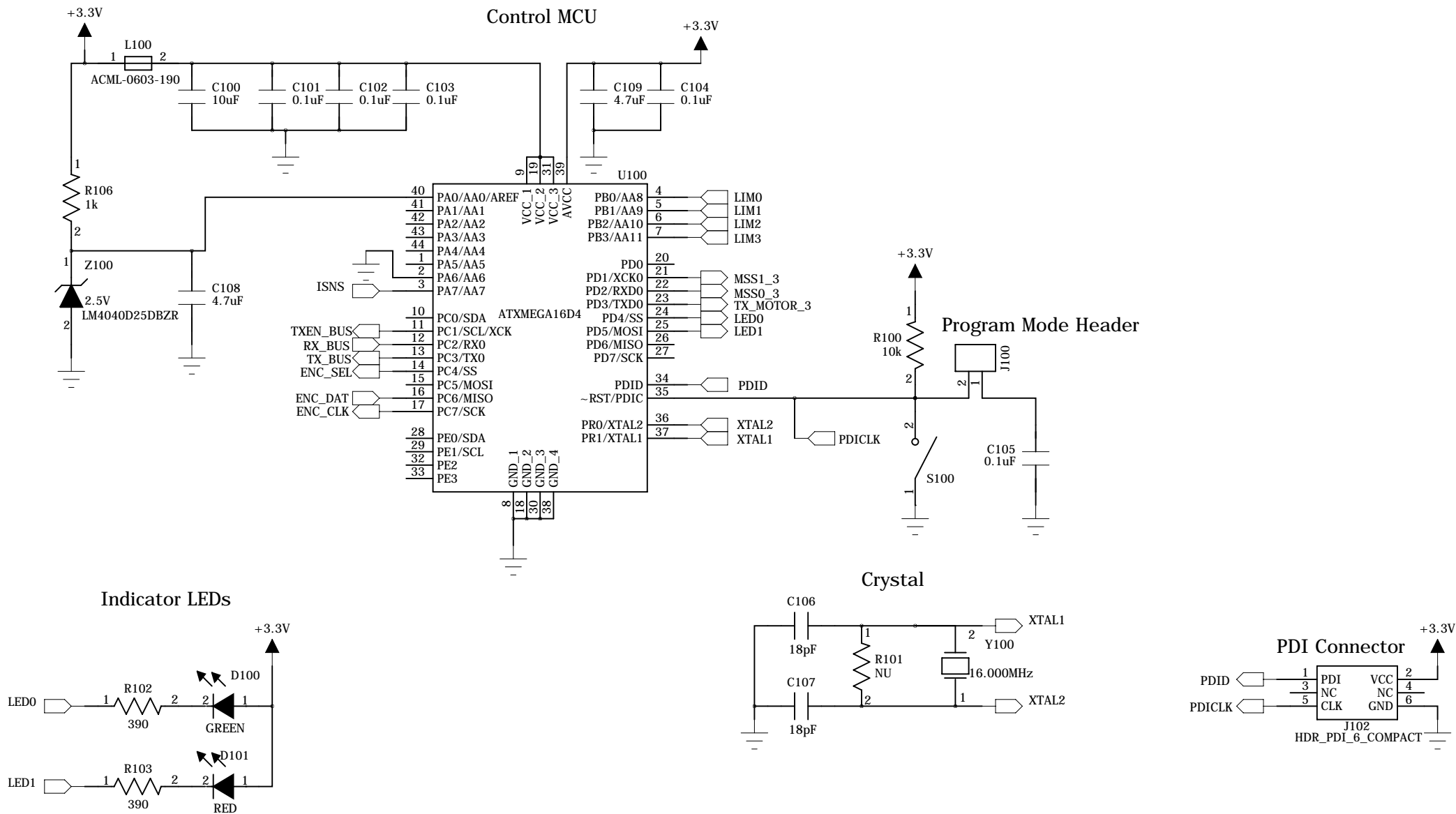
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3

2

1

Microcontroller



D

D

C

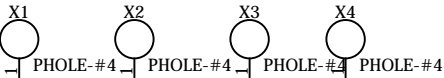
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B

B

A

A



DRAWN:	C. Hyman	DATED:	26 Apr 2012
CHECKED:	C. Hyman	DATED:	26 Apr 2012
RELEASED:	C. Hyman	DATED:	26 Apr 2012

PROJECT: OSURC Mars Rover 2012			
TITLE: Arm Base Controller			
CODE: NR	SIZE: B	DRAWING NO: ARM.CTL.1	REV: 2
SCALE: N/A			SHEET: 1 OF 3

6

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D

C

B

A

D

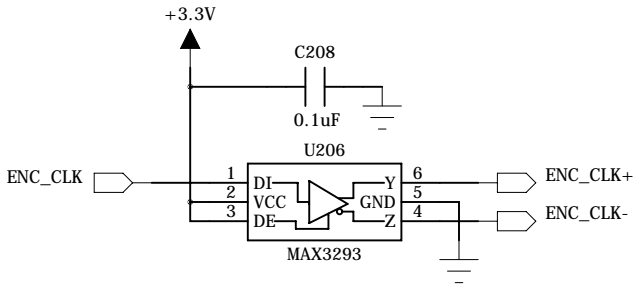
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B

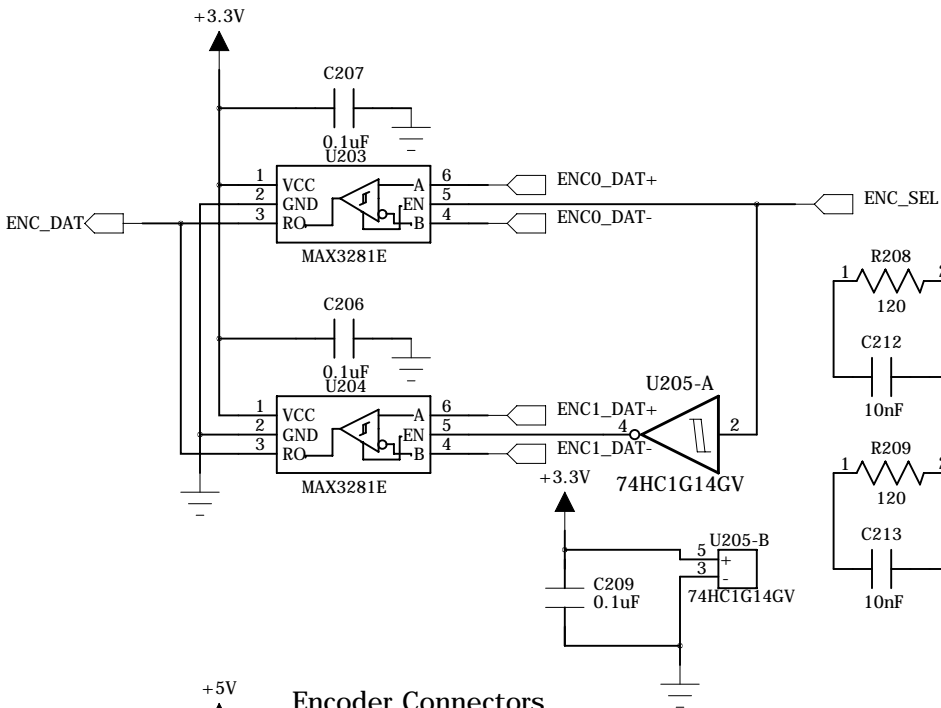
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I/O Interfaces

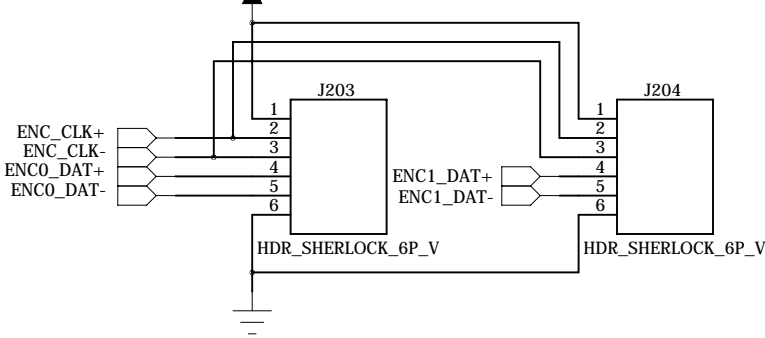
Clock Transmitter



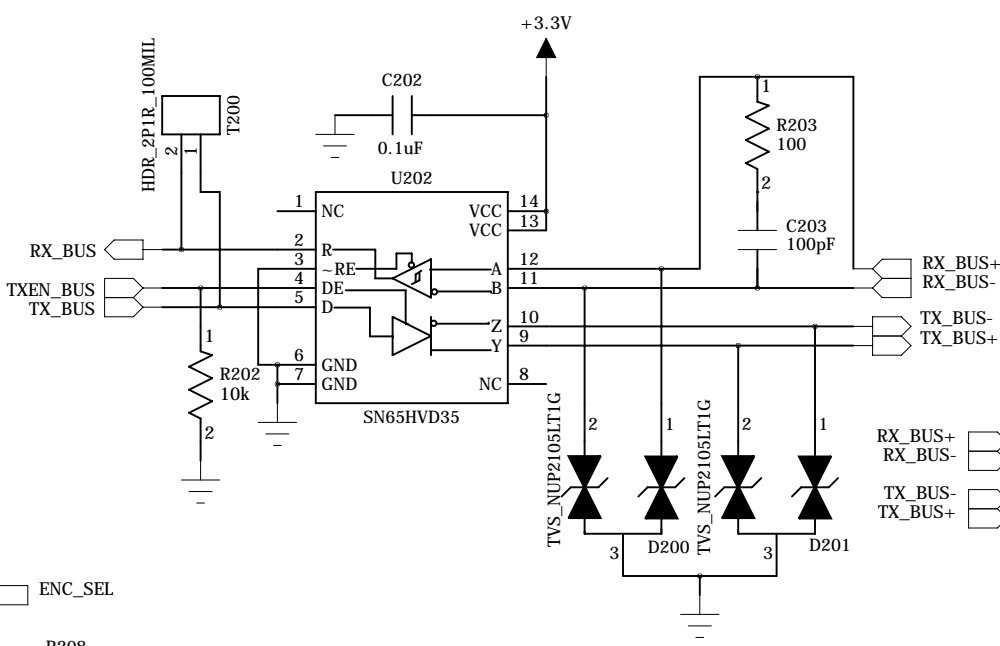
Encoder Data Receivers



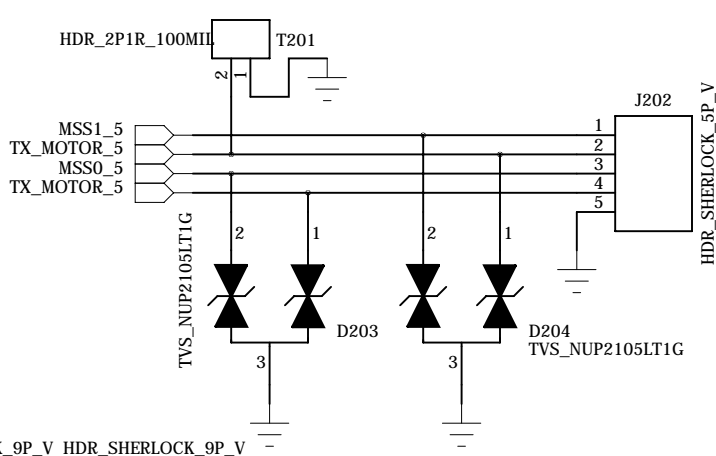
Encoder Connectors



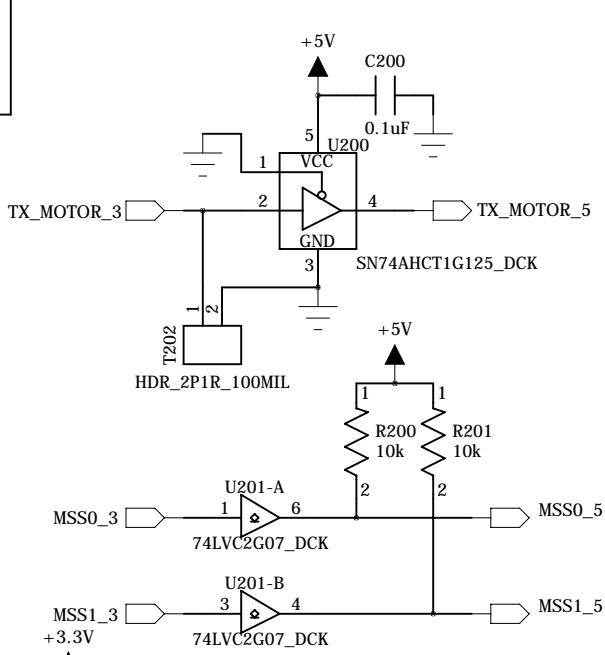
RS-485 Bus Interface



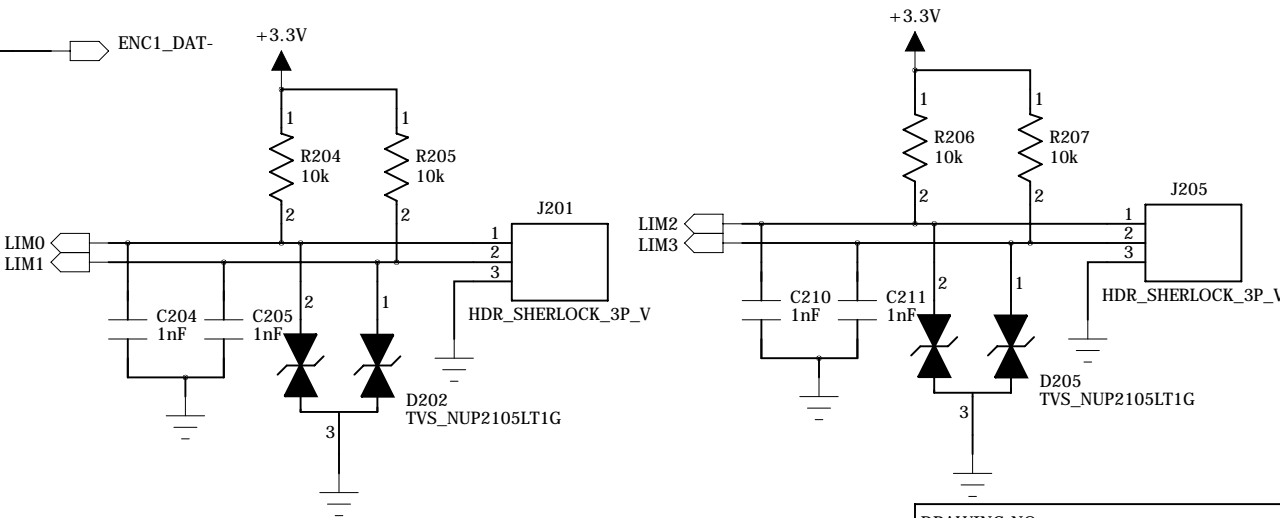
Motor Control Output



Motor Controller 3.3-5V Translator



Limit Switch Connectors



DRAWING NO: **ARM.CTL.1**

SCALE: N/A

SHEET: 2 OF 3

6

5

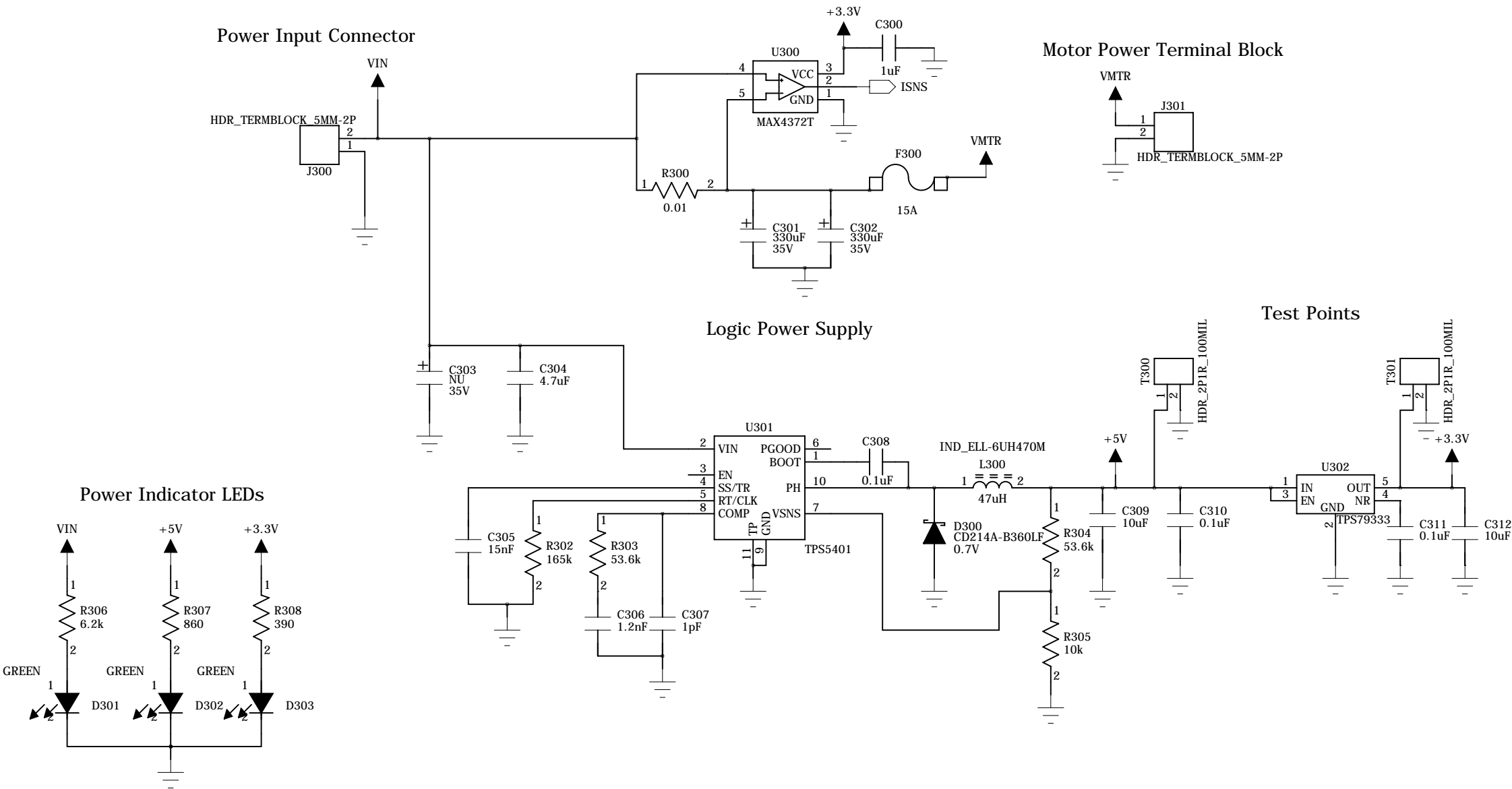
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3

2

1

Power Distribution and Regulation



DRAWING NO:
ARM.CTL.1

SCALE: N/A

SHEET: 3 OF 3