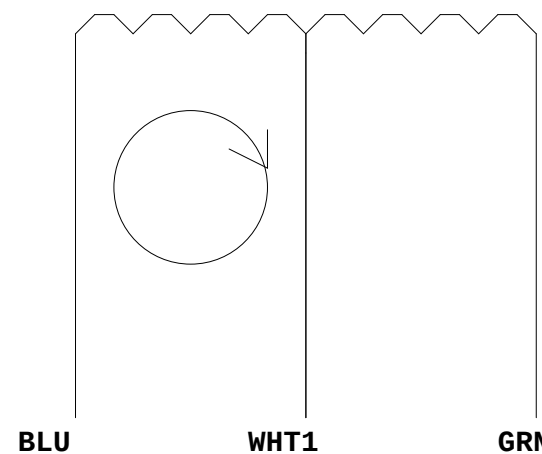
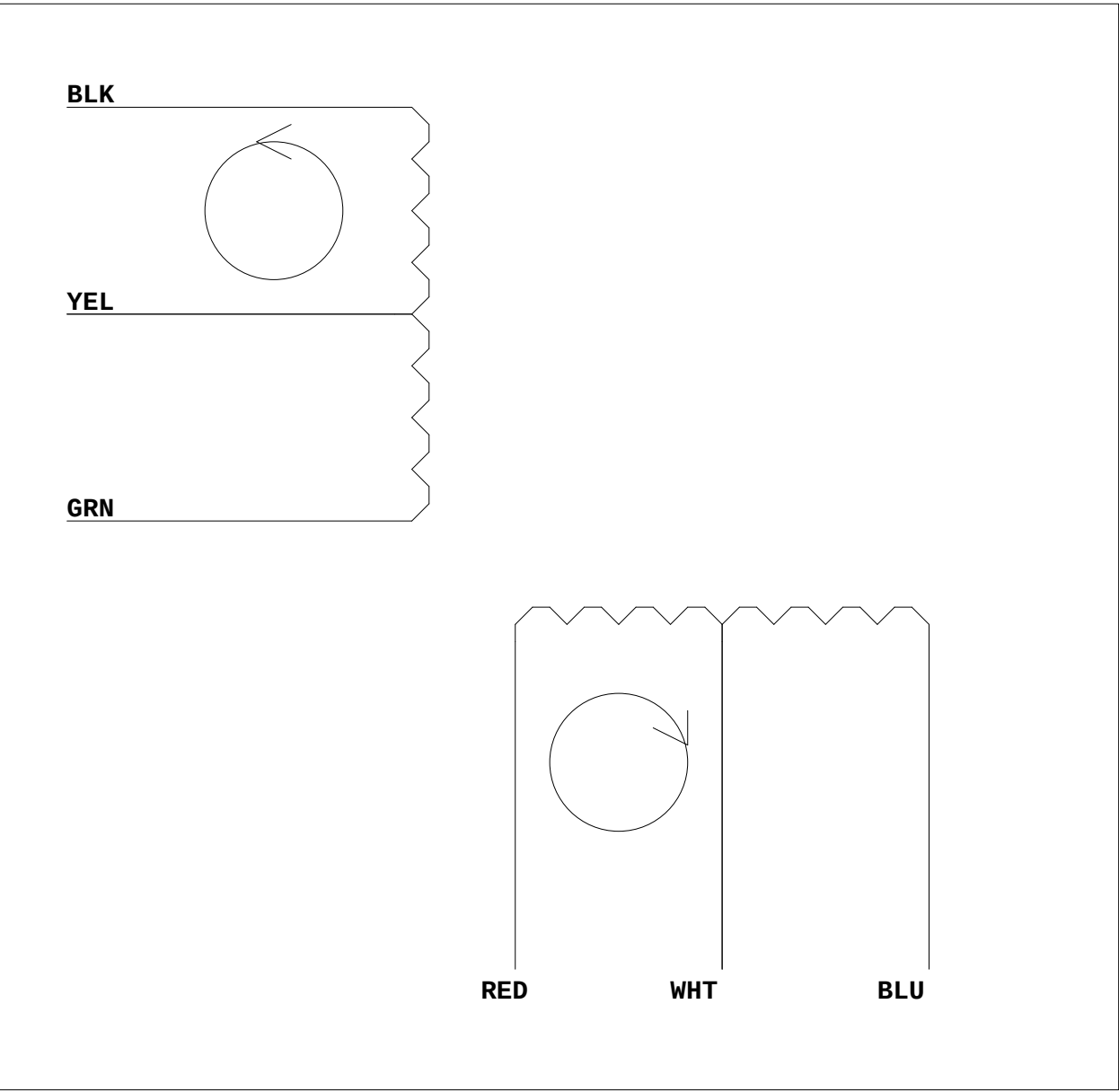
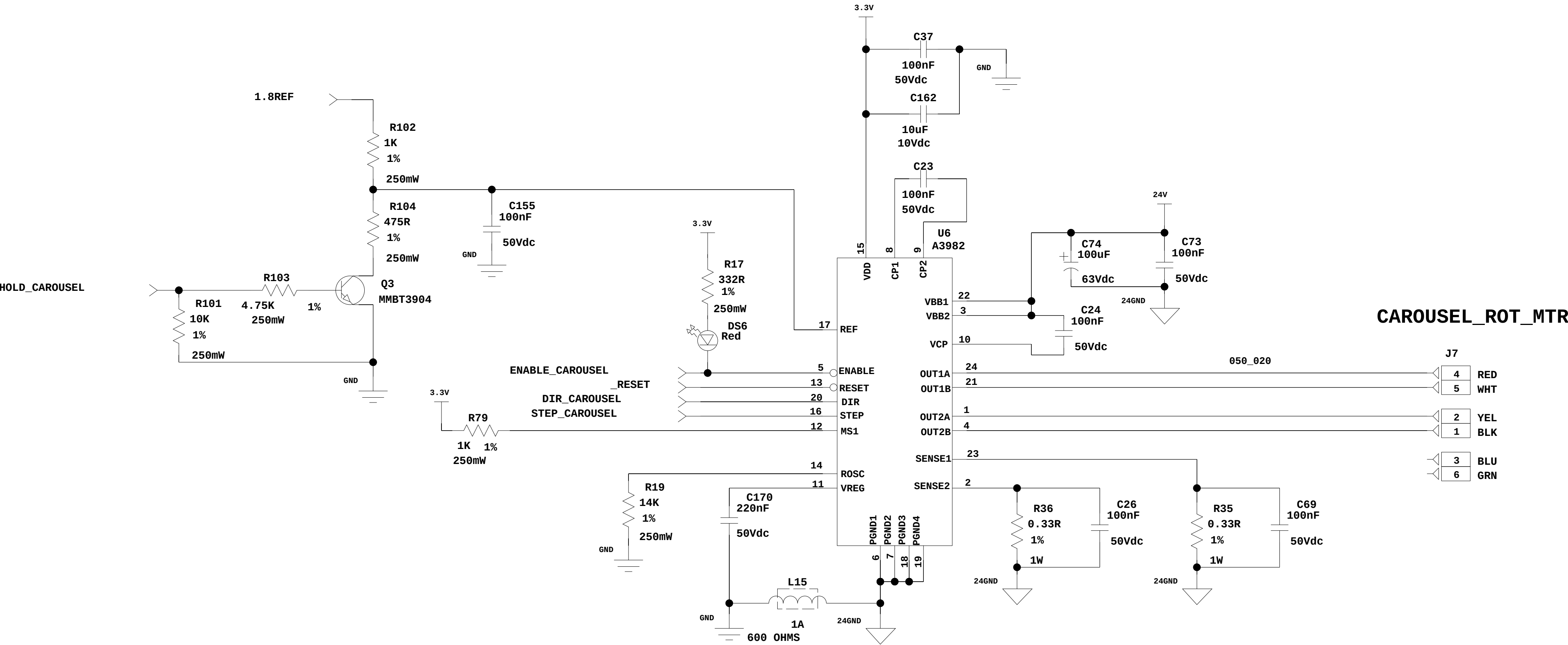


$$I_{trip} = V_{ref}/(8 \cdot R_s)$$


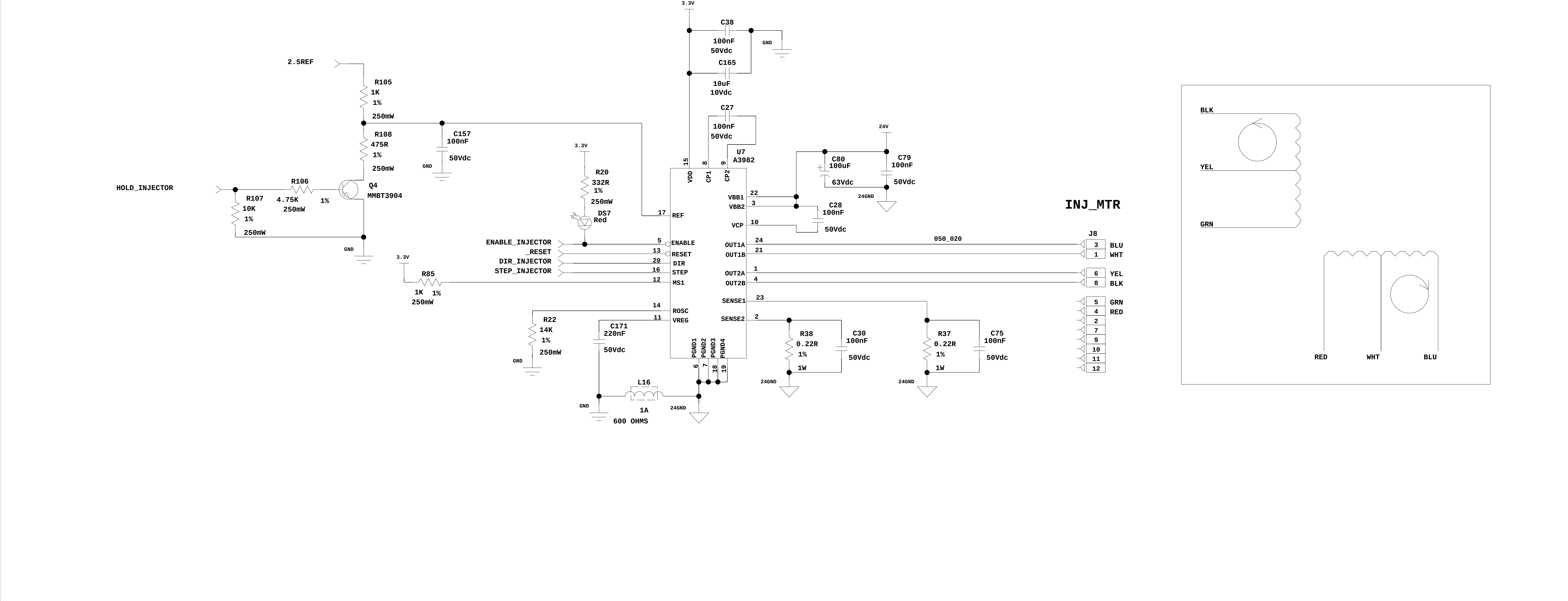
SHEET 1 of 13

Carousel Rotation Motor Drive

0.68 Amps



Injector Needle Motor Drive
1.4 Amps



0.93 Amp



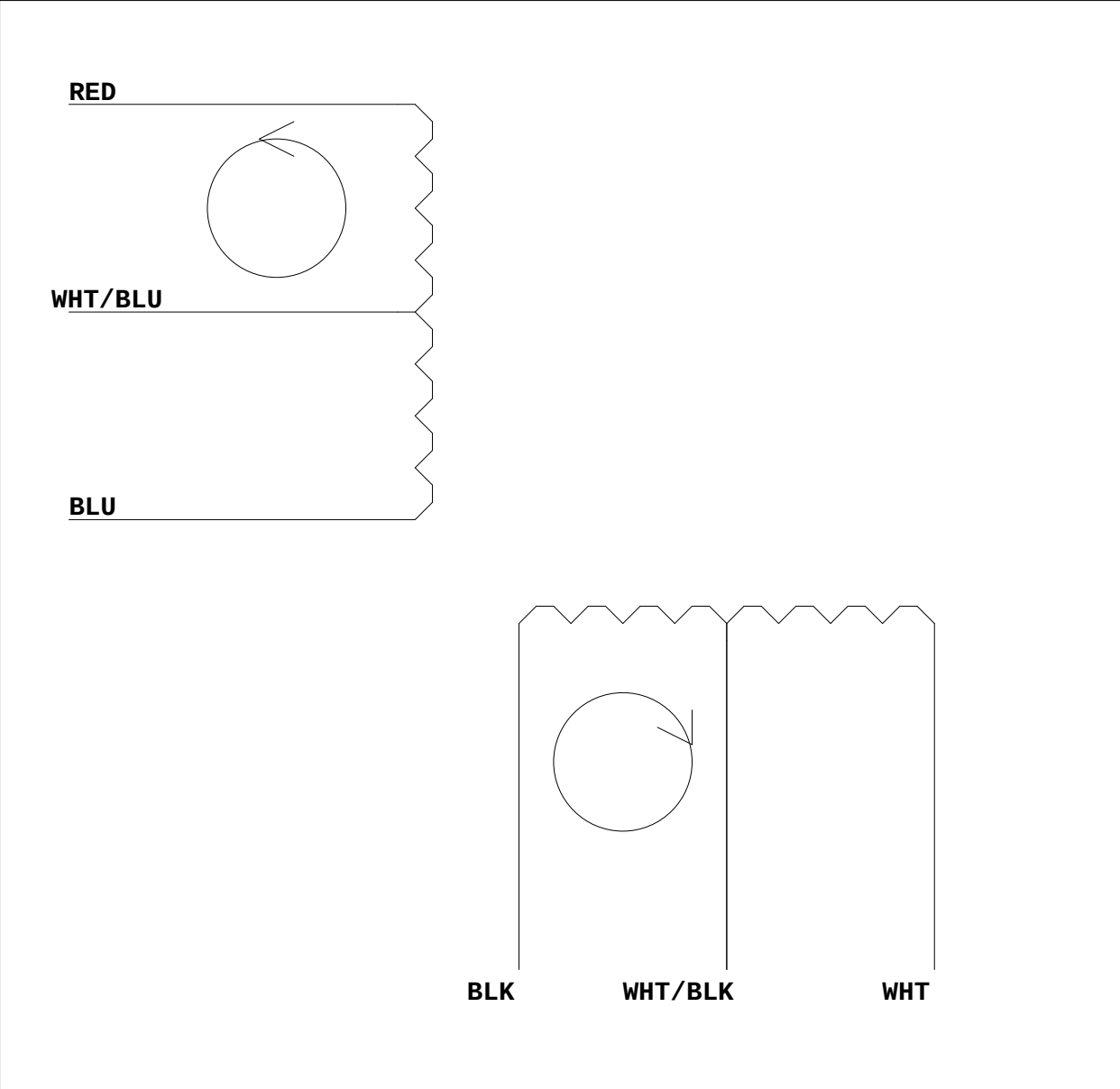
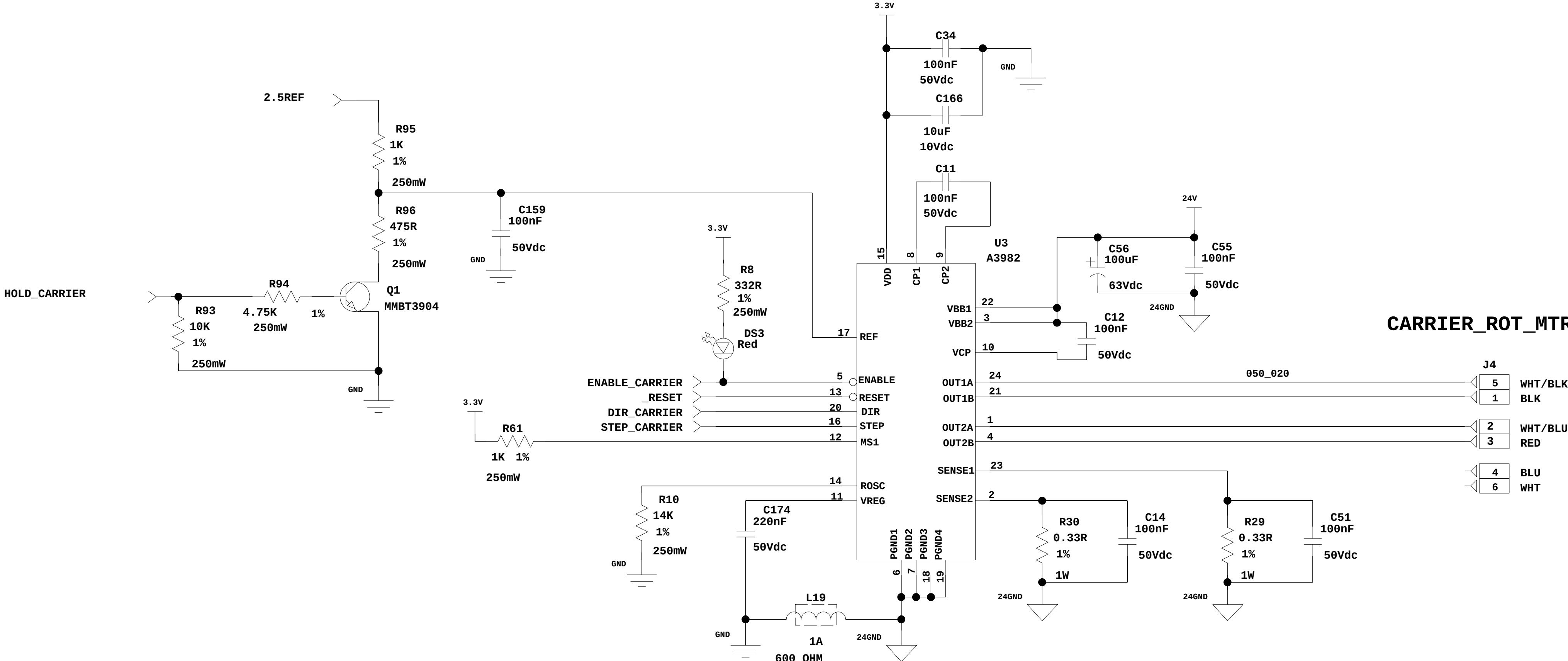
34 MAPLE STREET
LORD, MA 01757 USA

SIZE D	DWG. NO. 710000416	REV L
SCALE 1:1	MENTOR DX DESIGNER	SHEET 5 of 13

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Carrier Rotation Motor Drive

0.93 Amp



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SIZE

D

DWG. NO. **710000416**

LEVEL

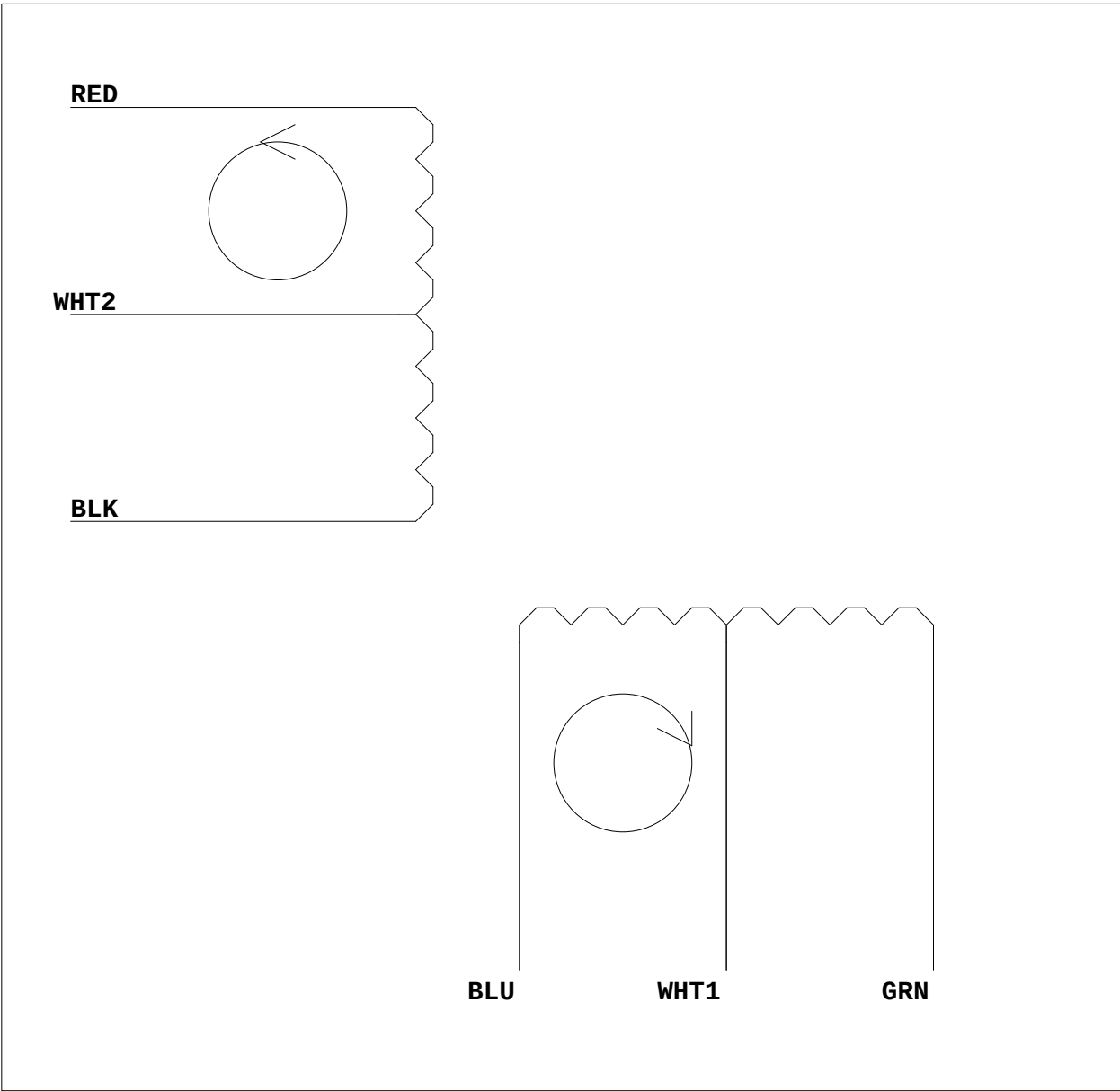
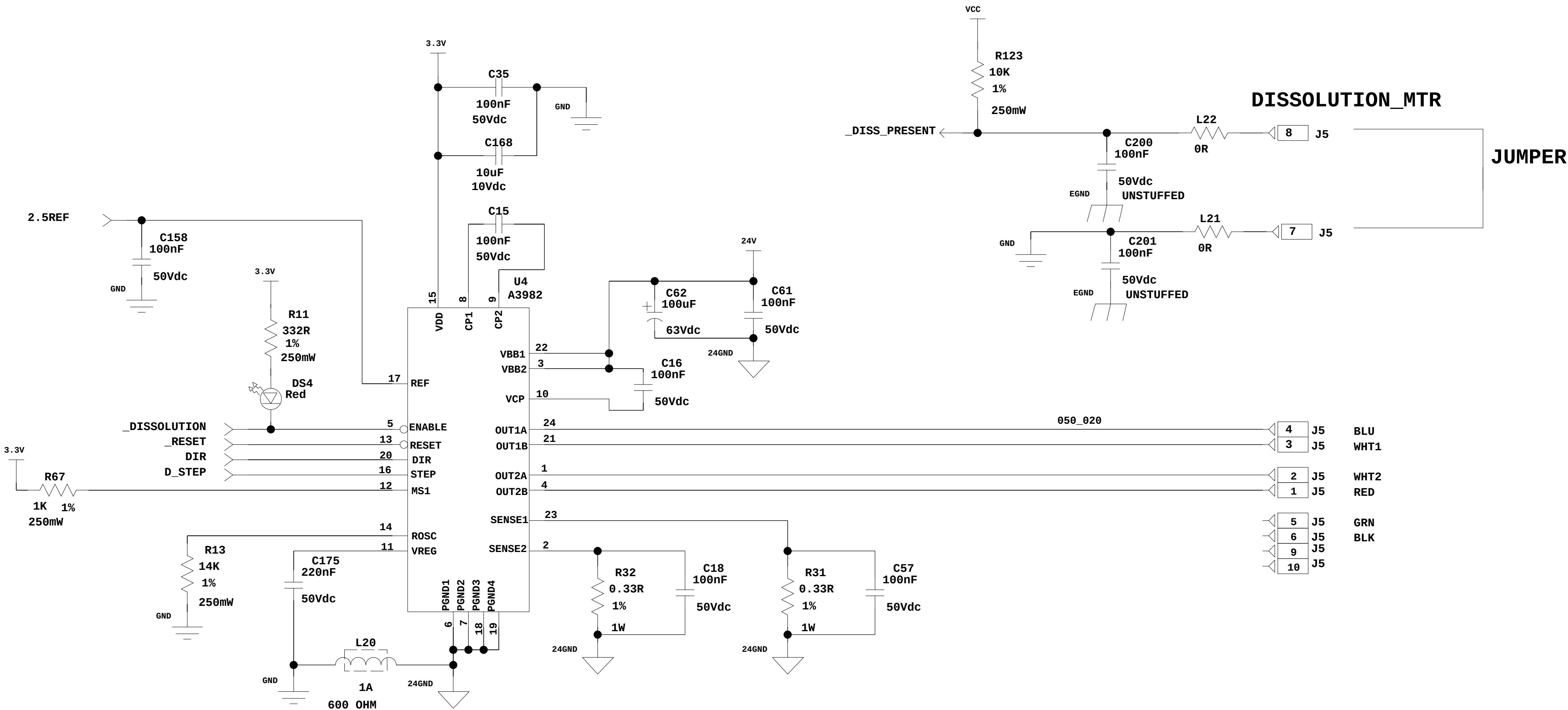
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MENTOR DX DESIGNER

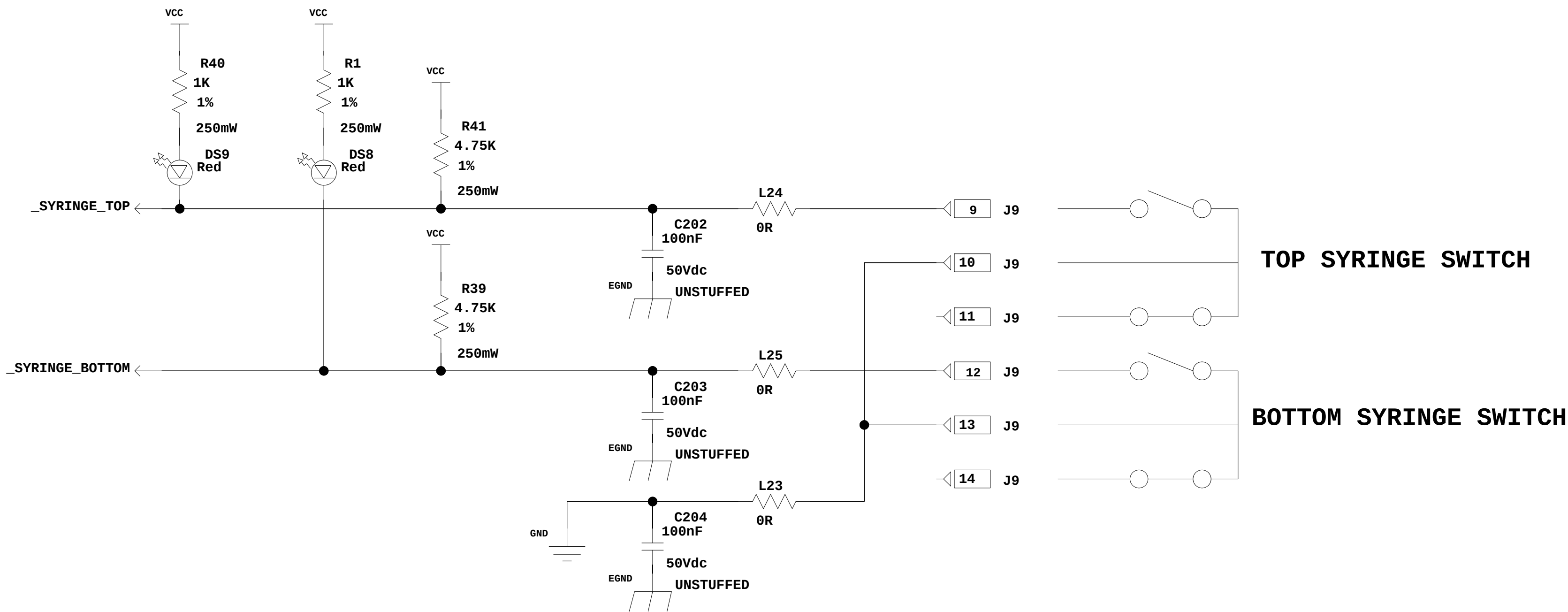
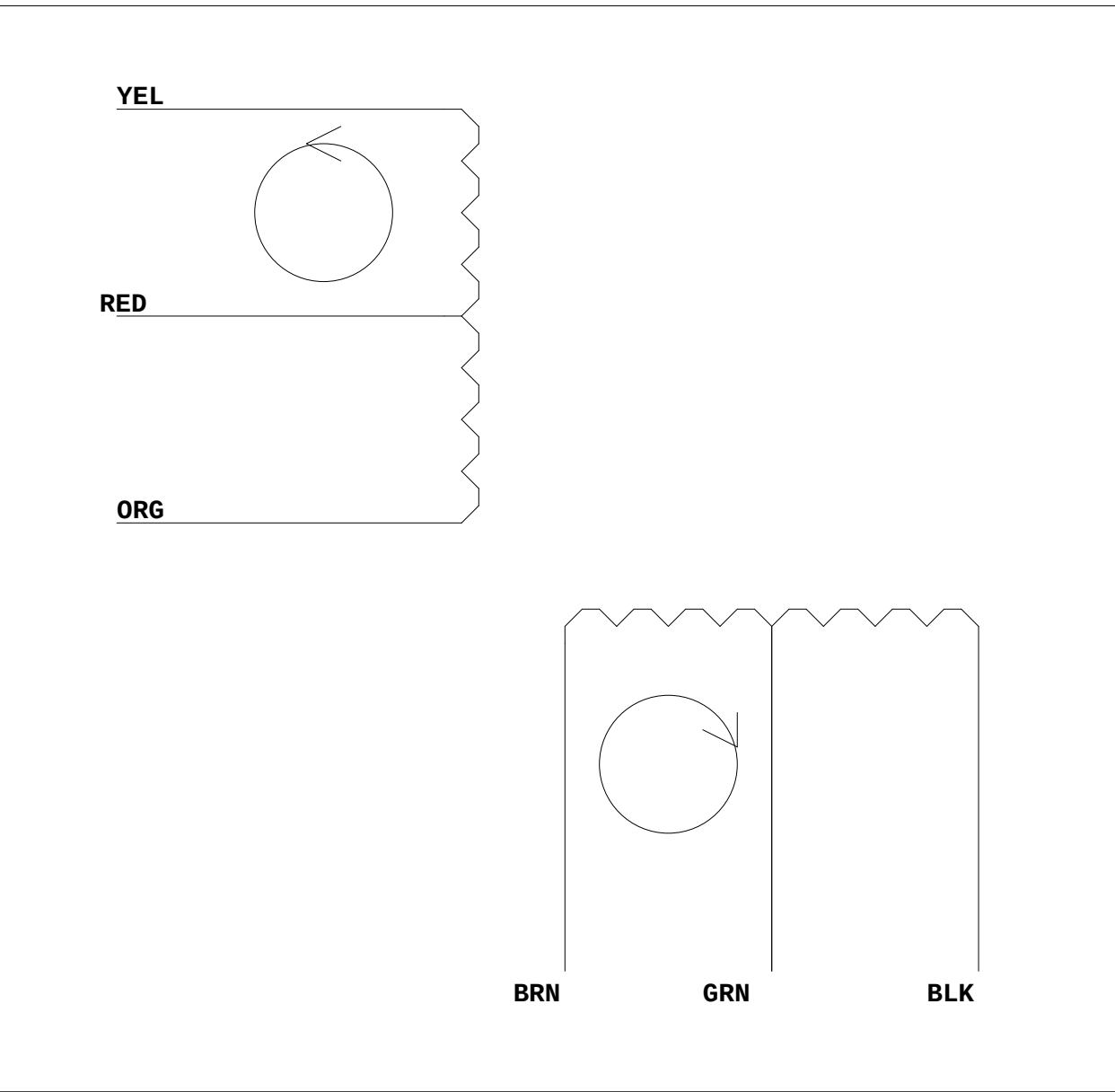
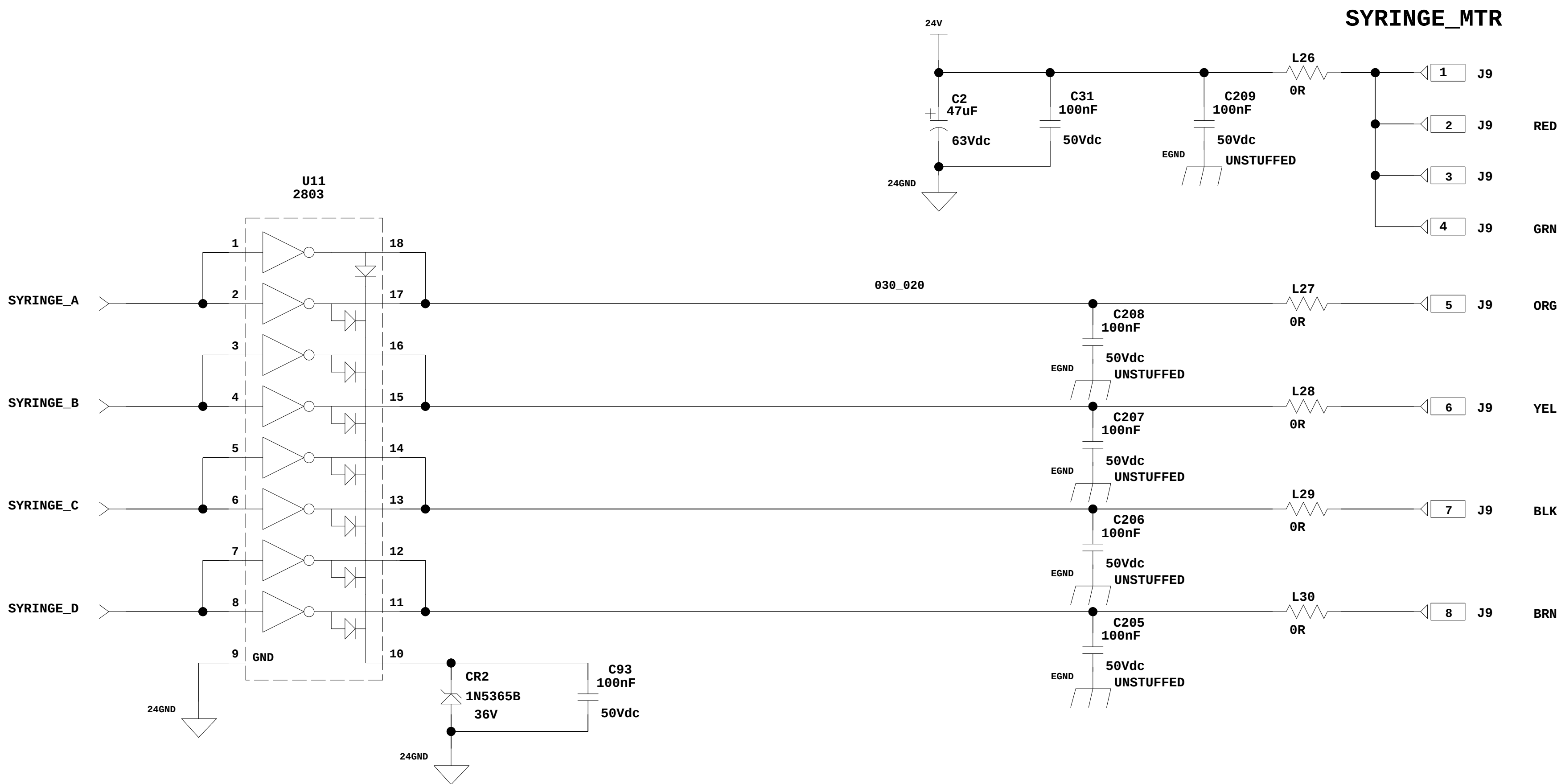
SHEET 6 of 13

Dissolution Needles Motor Drive

0.93 Amp

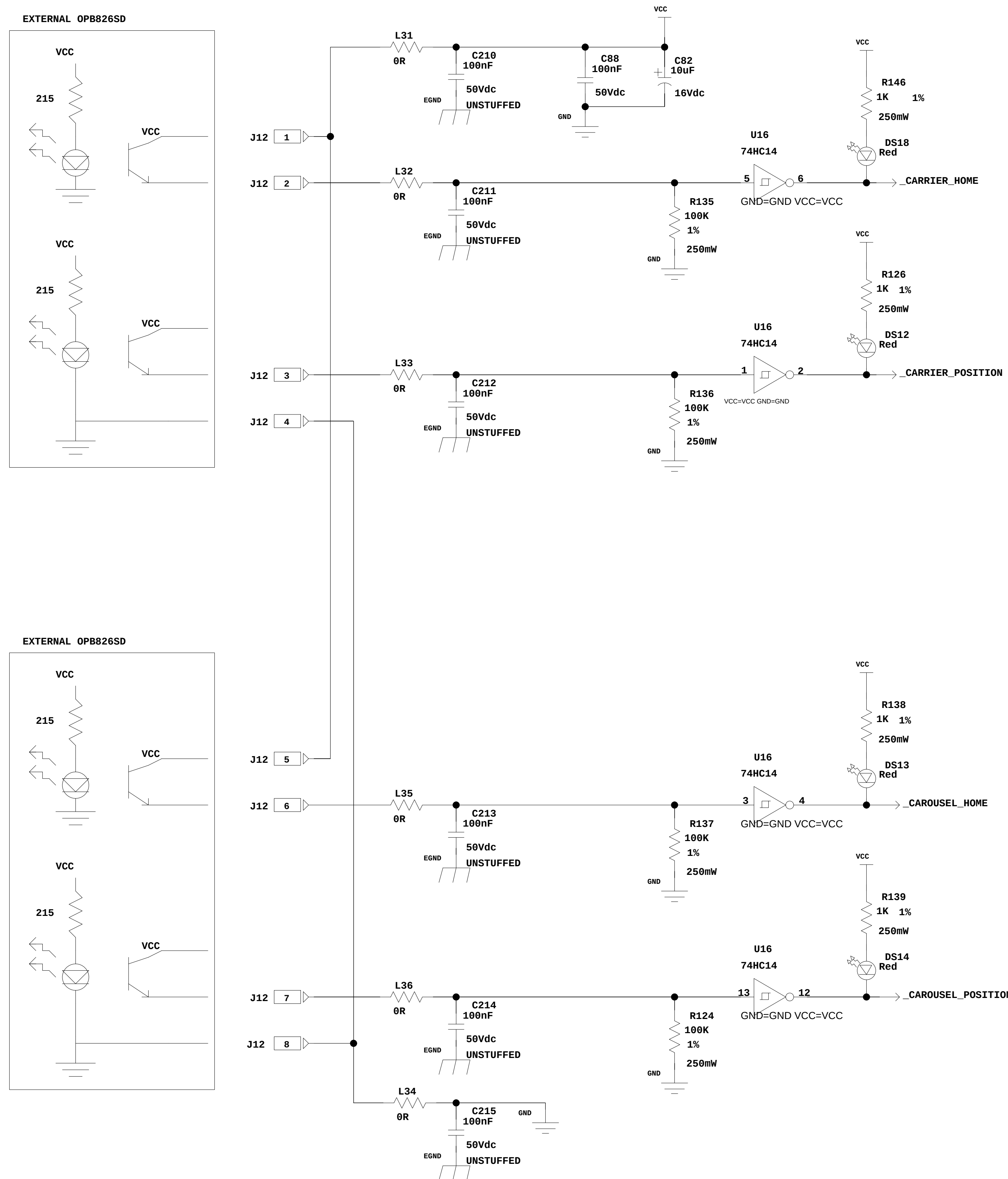


SYRINGE MOTOR DRIVE

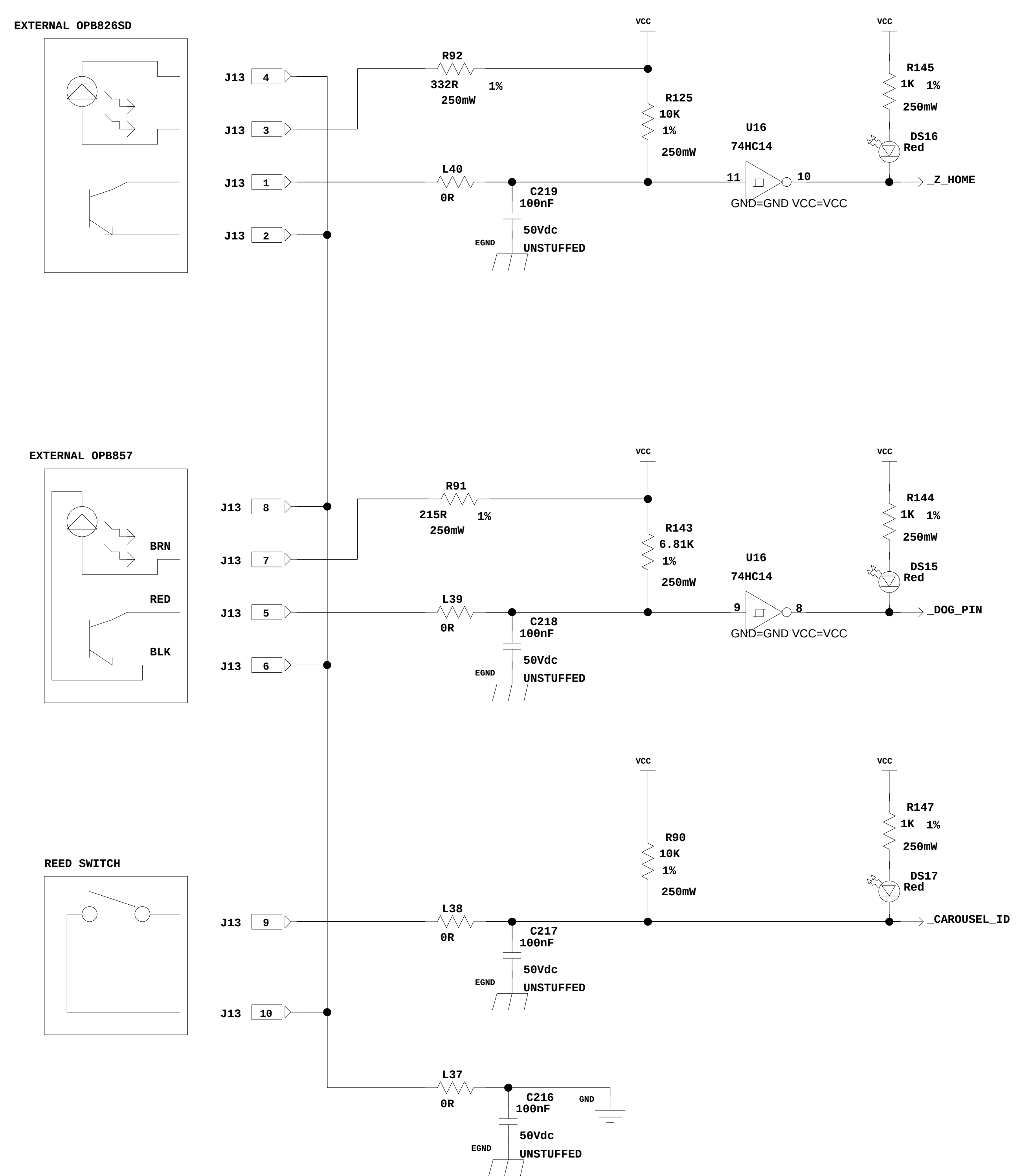


SAMPLE HANDLING SENSORS CARRIER, CAROUSEL, AND Z AXIS

CARSL&CARR_HOME&POS_SENSORS



ZHOME_DOGPIN&CARSLID_SENSORS



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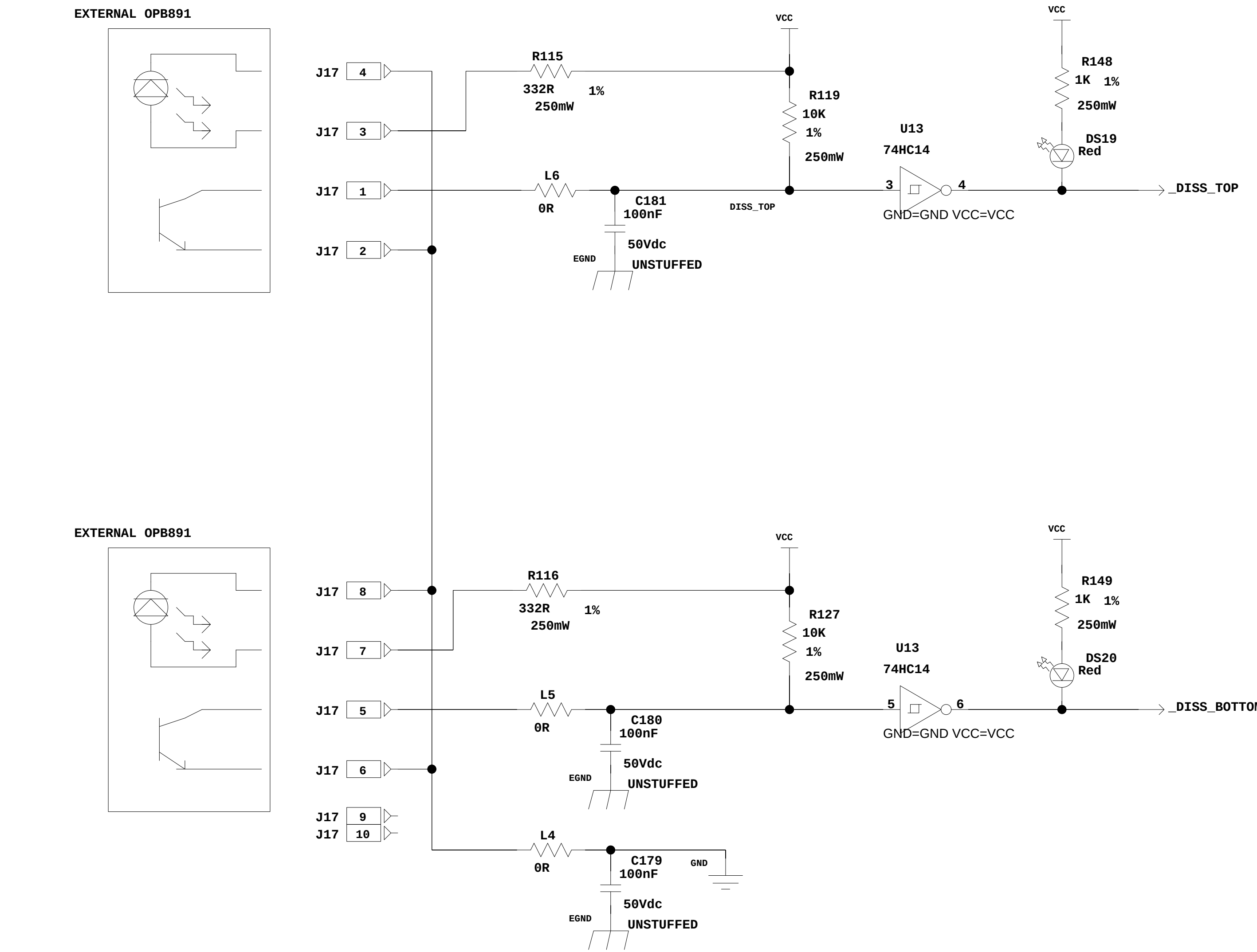
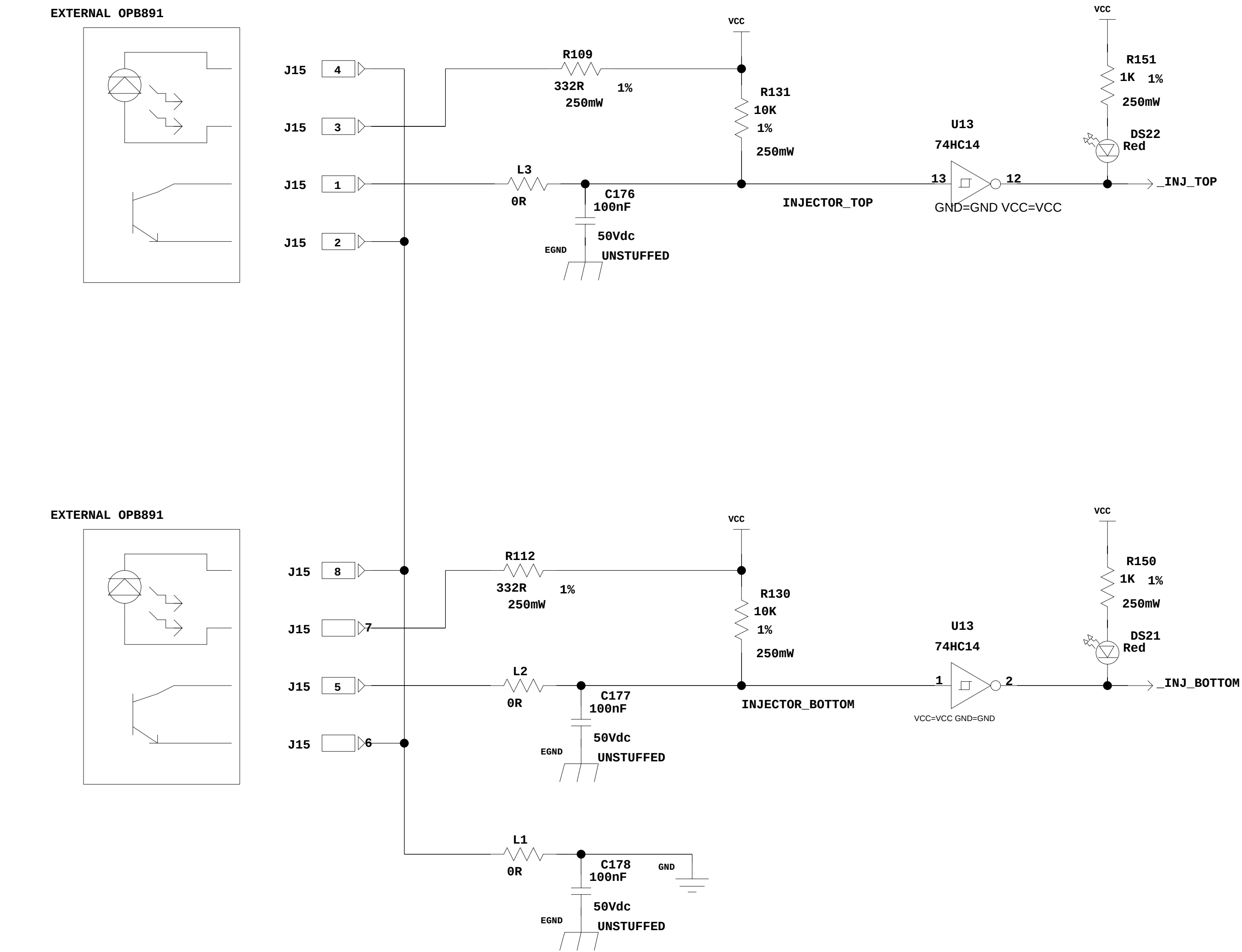
WATERS
34 MAPLE STREET
MILFORD, MA 01757 USA

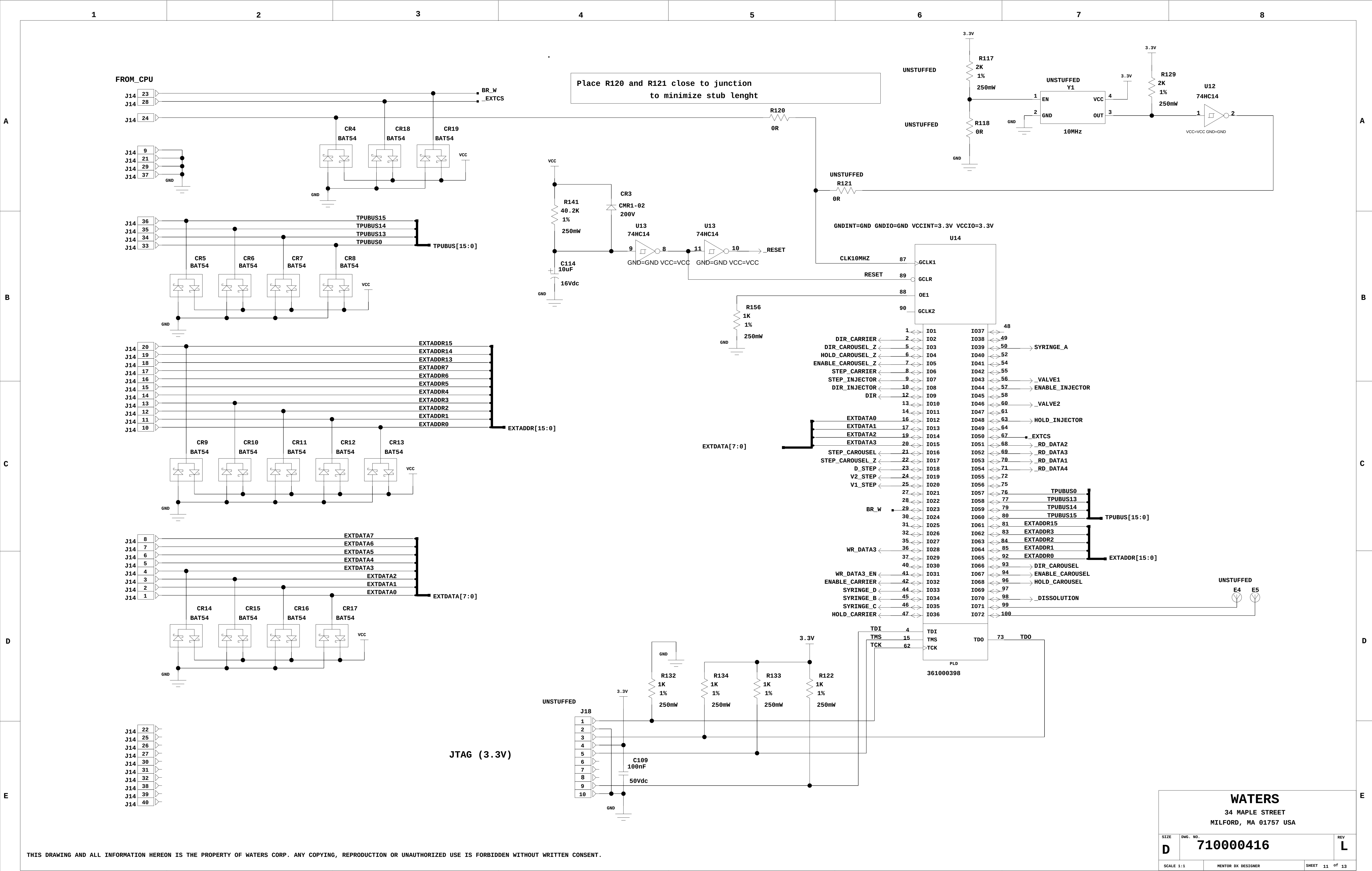
SIZE	DWG. NO.	REV
D	7100000416	L
SCALE 1:1	MENTOR DX DESIGNER	SHEET 9 of 13

INJECTOR AND DISSOLUTION NEEDLE SENSORS

INJ_TOP_BOT_SENSORS

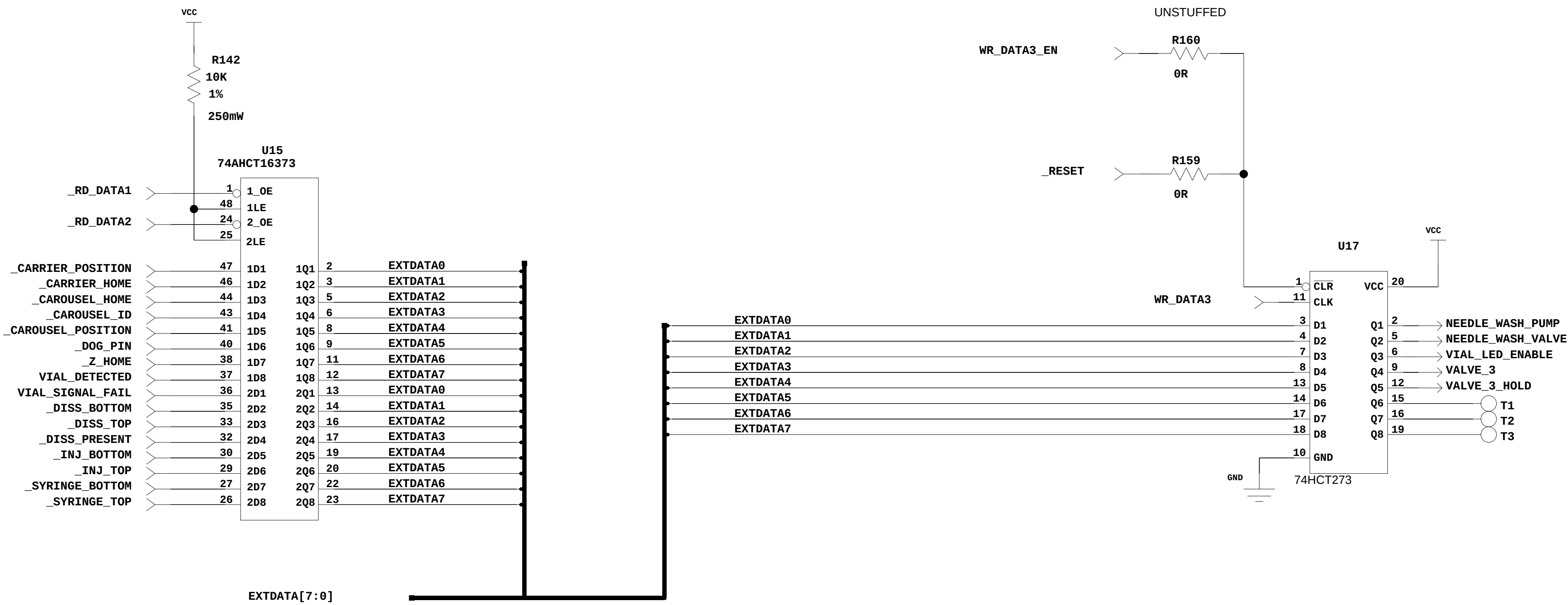
DISSOLUTION_TOP_BOT_SENSORS





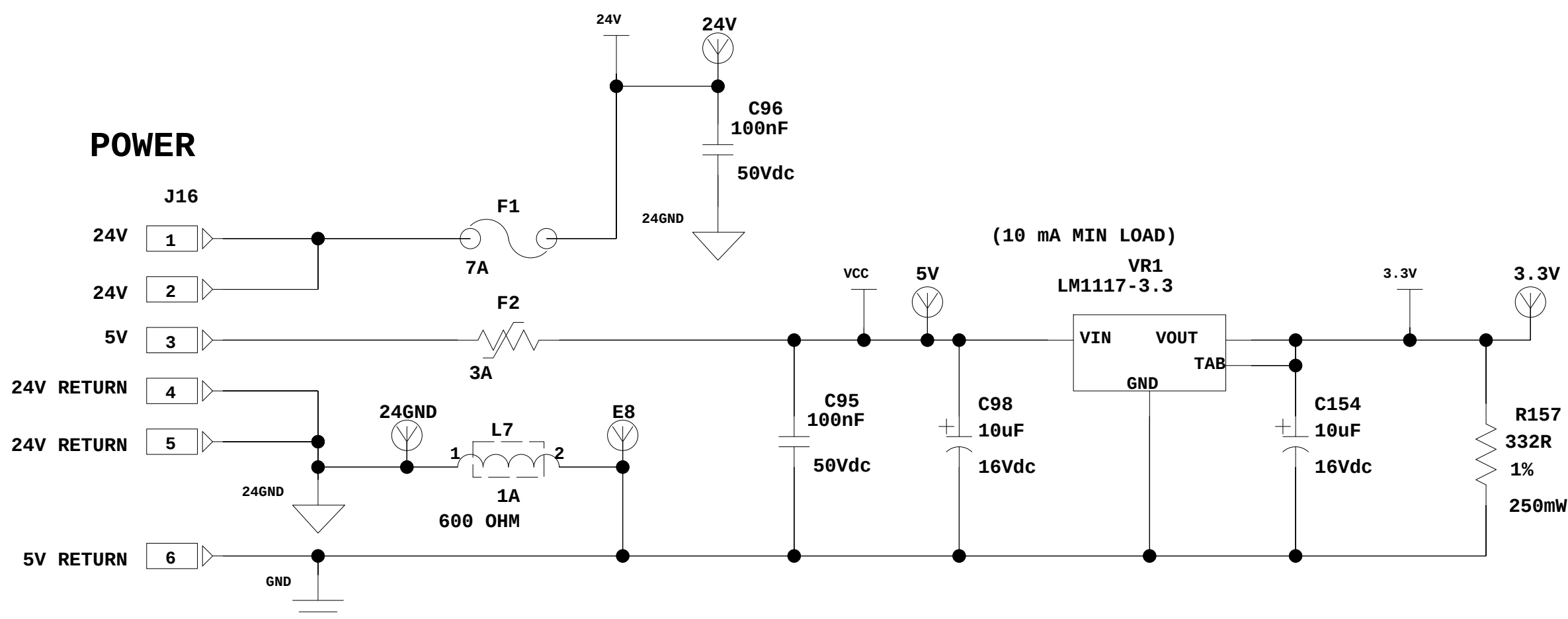
MEMORY MAPPED I/O SIGNALS

- NOTES:
- 1. WR_DATA1 NOT USED
 - 2. WR_DATA2 NOT USED

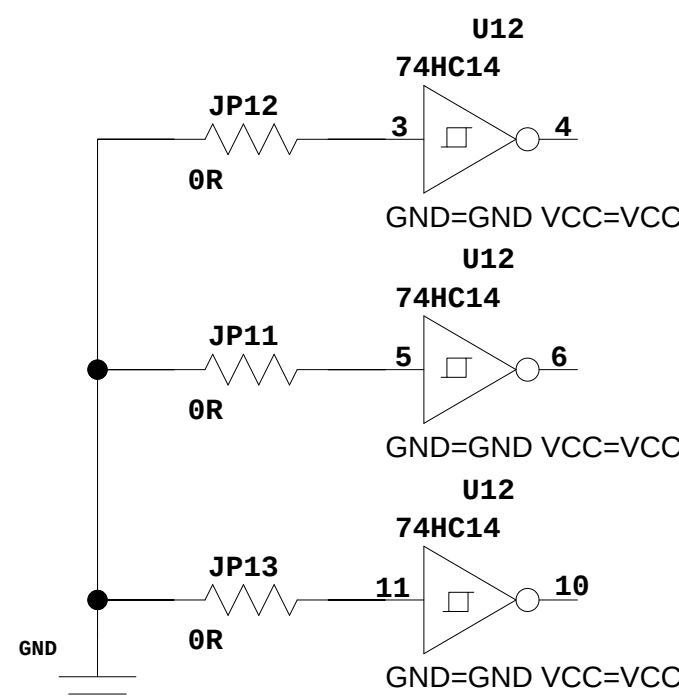
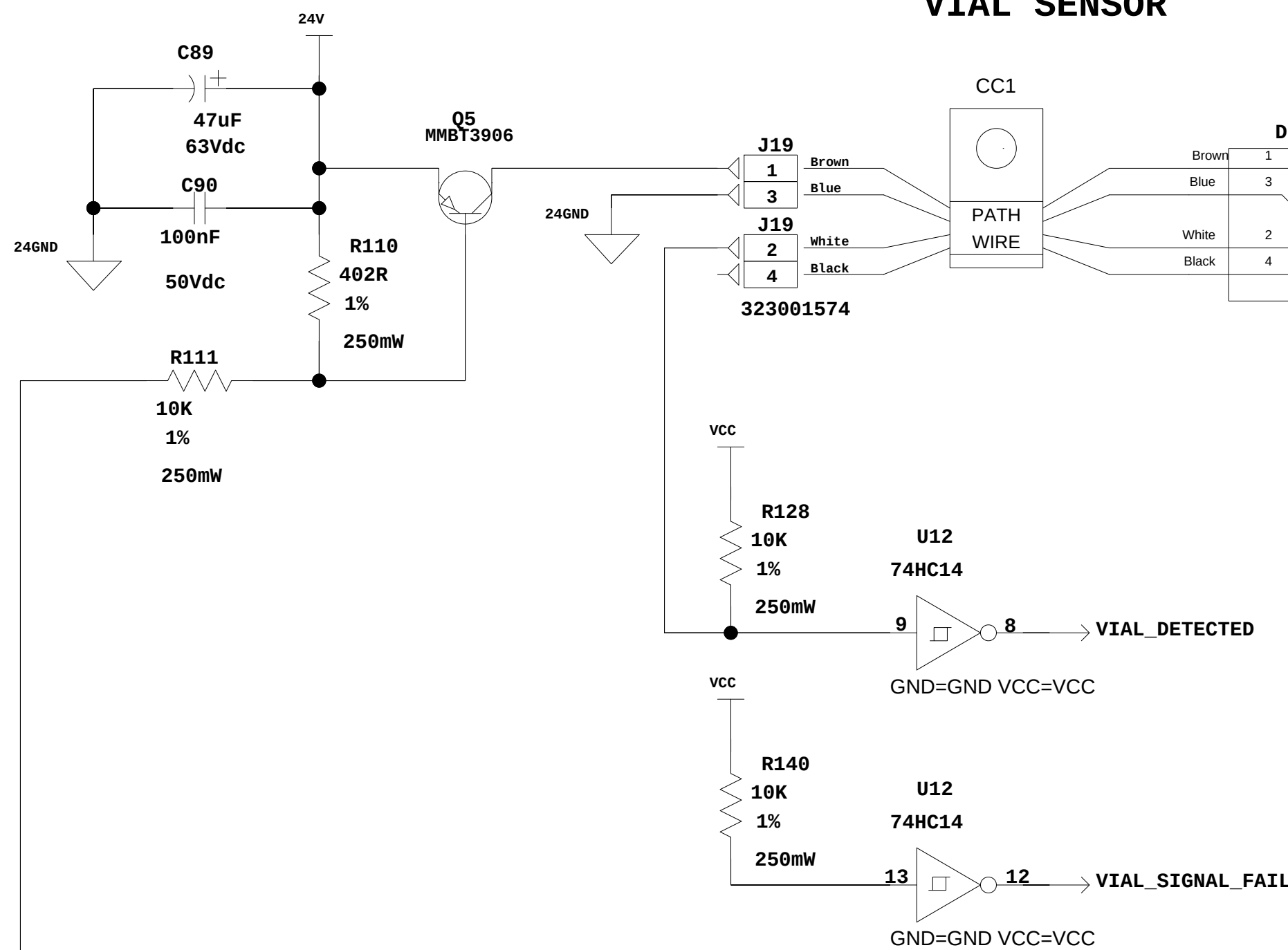


NEEDLE WASH VALVE, PUMP DRIVE AND COLUMN MANAGER HEATER

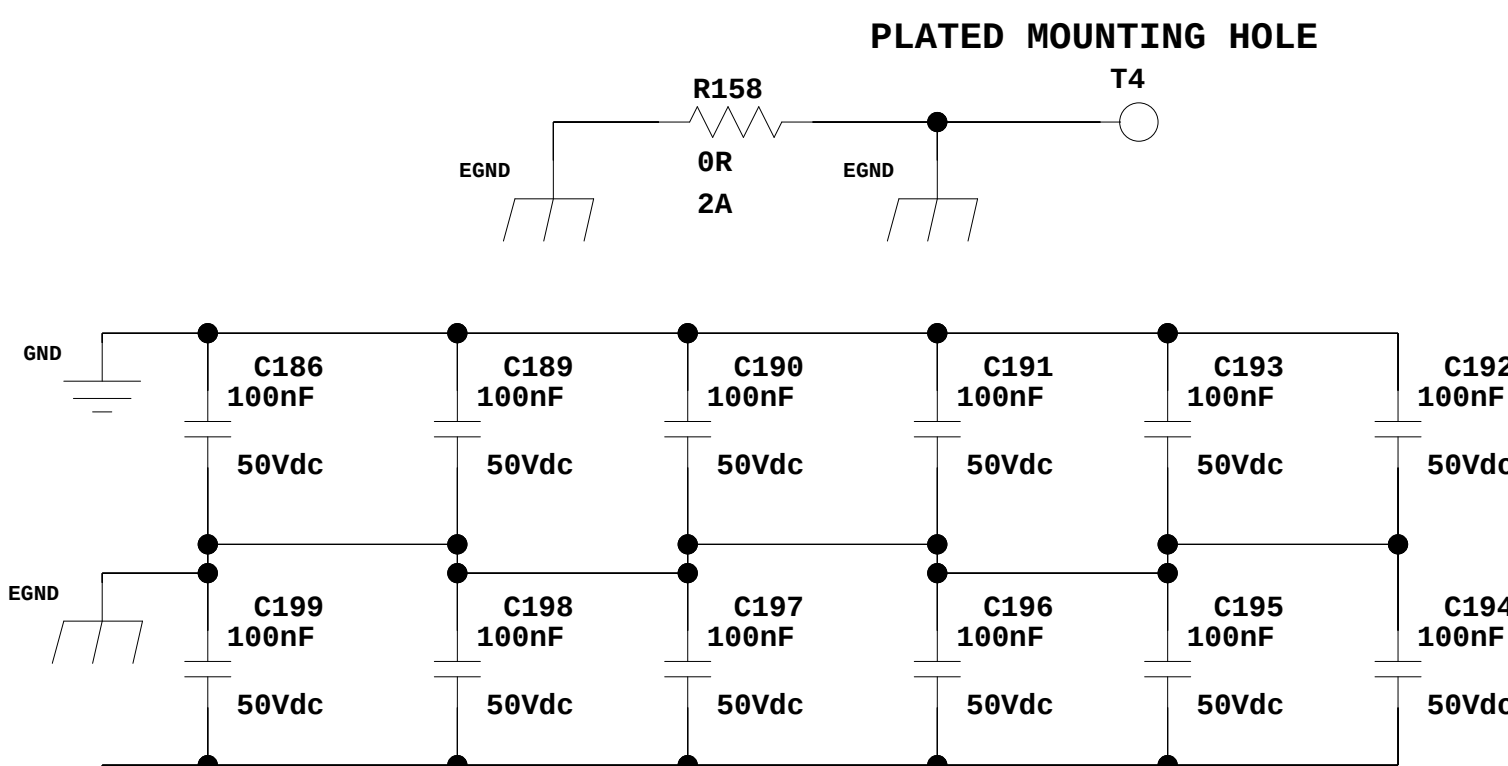
POWER



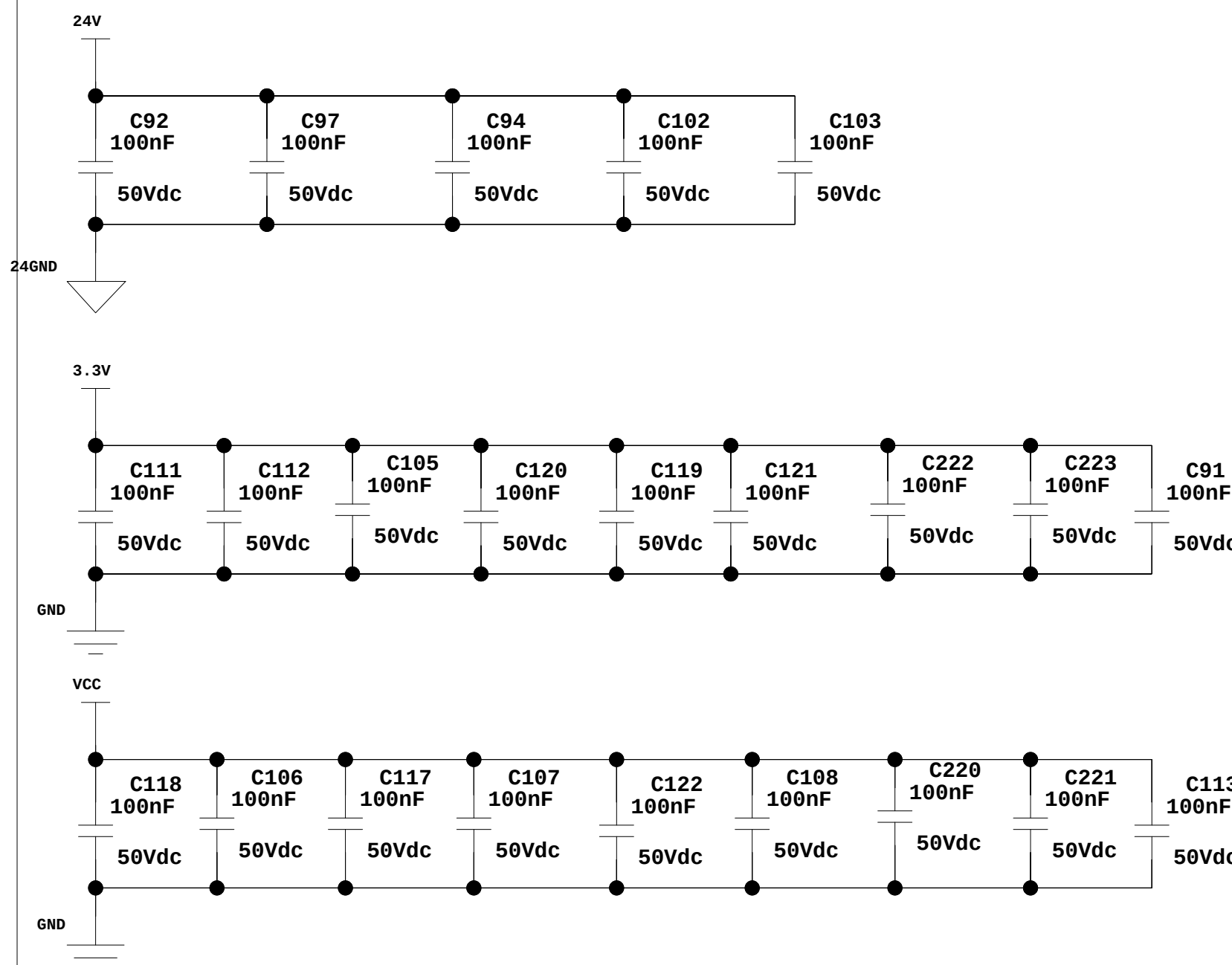
VIAL SENSOR



GROUND RING



DECOUPLING CAPACITORS



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