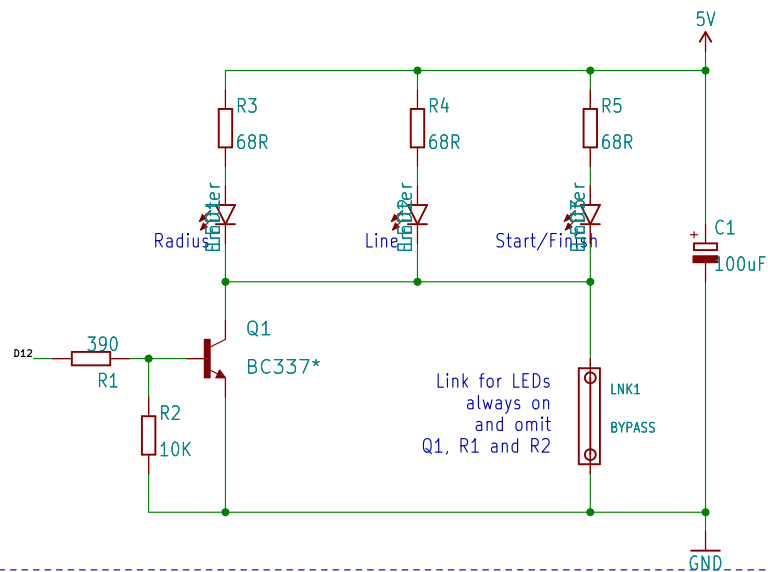
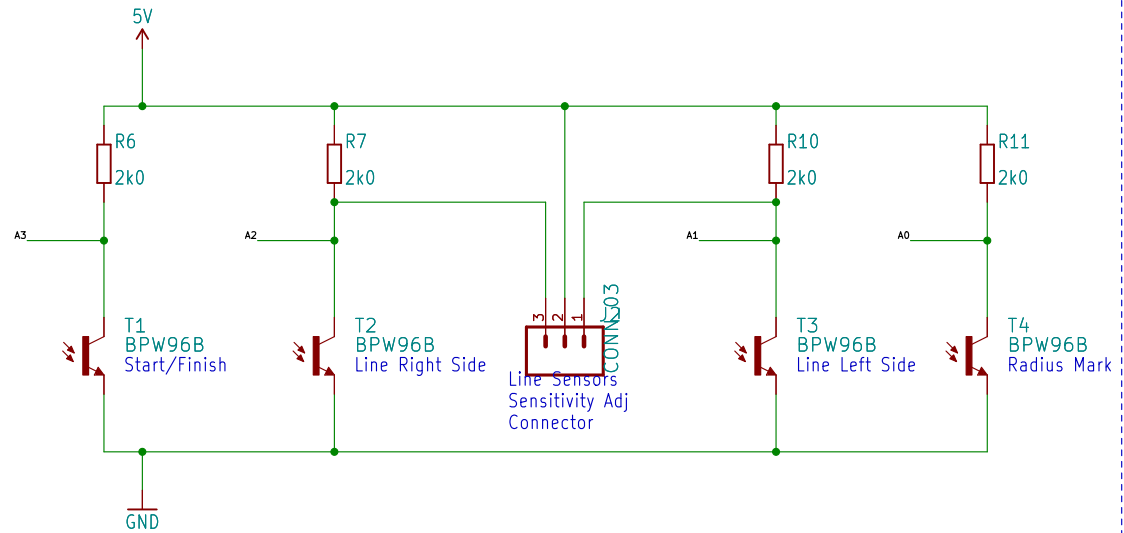


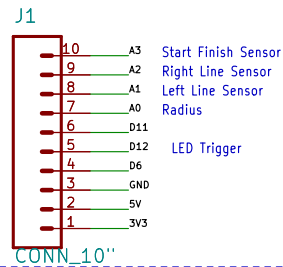
Emitters



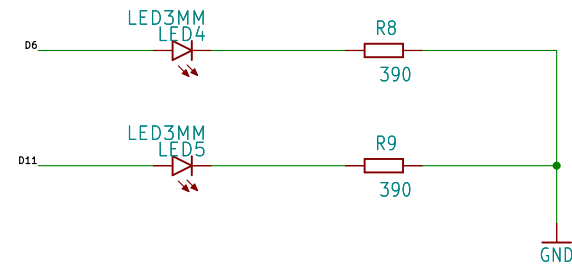
Detectors



Mother Board Connector



Indicators



ukmarsbot-line-sensor-basic-20190815C

Detector load resistors R6, R7, R10 and R11 may be adjusted for sensitivity. Emitter current limit resistors R3, R4 and R5 may be adjusted for sensitivity.

Resistor R1 should be no smaller than is necessary to ensure that the transistor Q1 is fully turned on.

Q1 may be one of many different transistor types.

Possible alternatives include BC337-16, ZTX451, ZTX651, ZTX689B.

REV C - Dec 2020 - enlarge pads/holes & Generic emitters

>CNAME	
>DRAWING_NAME	
>LAST_DATE_TIME	>DESIGNER
Sheet: >SHEET	Rev: >REV