

CEL - Robox V2 - Extruder

- ISSUE C2

Revision History

Rev. Code	Date	Description
A1	16/01/2019	1st release, with stepper drivers updated to TMC2130s, pinout swapped to work with RBX-PCB-MB02 Mainboard but not cause damage either board if plugged into an old Mainboard
B1	26/03/2019	Increase to 4 layer board to aid thermal spread Swap TMC2130 from LA package to TA package, for higher current capability SPI Temperature sensor added (DCIN or DCO for extra nCS pin) Motor connector pinout swapped as per Impact head Rev C Unnecessary OR links and DNF resistor footprints removed/hard linked
C0.1	10/05/2019	Revert to 2 layer board, TMC stepper drivers moved to mainboard (due to thermals - this board in hotter environment, with a smaller board to dissipate) Flex pinout pins doubled up for motor connections.
C0.2	10/05/2019	Main board connector pinout altered
C1	04/06/2019	Stepper motor pinout changed for routing on mainboard - compatible with current standard
C1	29/06/2020	Changed from Im gold finish to HASL lead free
C2	09/11/2021	SN74LVC1G17DBVR added in line from optical sensor output 10K resistor fitted between 3V3 and GND_SWITCH

GENERAL DESIGN NOTES

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System
02 EXTRUDER.SchDoc



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