B1

ON/OFF SWITCH

+12V

BATTERY

LiPo 3 cell

SW3

ROTARY SWITCH

cutting wires

+12V

R6 R7

R4 R5

R2 R3

CONNECTOR CUT

+12V

R9

R8

STRAIGHT CUT

SW1

extrude button

+12V

R10 10K

R11 3.2K

U1

ARDUINO NANO

Q1 BUZ11

Q2 BUZ11

SW2

cut button

+12V

U6

Adj. Voltage Reg.

+12V

U2

74HC241

+5V

U5

ALPHANUMERIC DISPLAY

+5V

R1 10k

U3

DYNAMIXEL XL320

cutting servo

U4

DYNAMIXEL XL320

extrusion servo

Company name	Hasso Plattner Institu...
Project name	protopiper_schematic
Revision	A
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