

Arduino ProMicro: 18 pins available
 9 x 9 = 81, 8 x 10 = 80, -> 11 x 7 = 77
 2 of these are shared as I2C sda and scl - for PSU
 2 are shared as int, otg - for PSU
 2 are ps2 touchpad pins: D7/INT6 and D8(->PCINT4) or D6

Microcontroller acts as I2C psu and touchpad controller:
 - keys matrix stopped to listen to I2C bus

Dimensions defined by display 13.3 inch:
 W x H = 290 x 180 mm
 d = 374,44 mm => 13.7inch
 - available for touchpad = 47mm

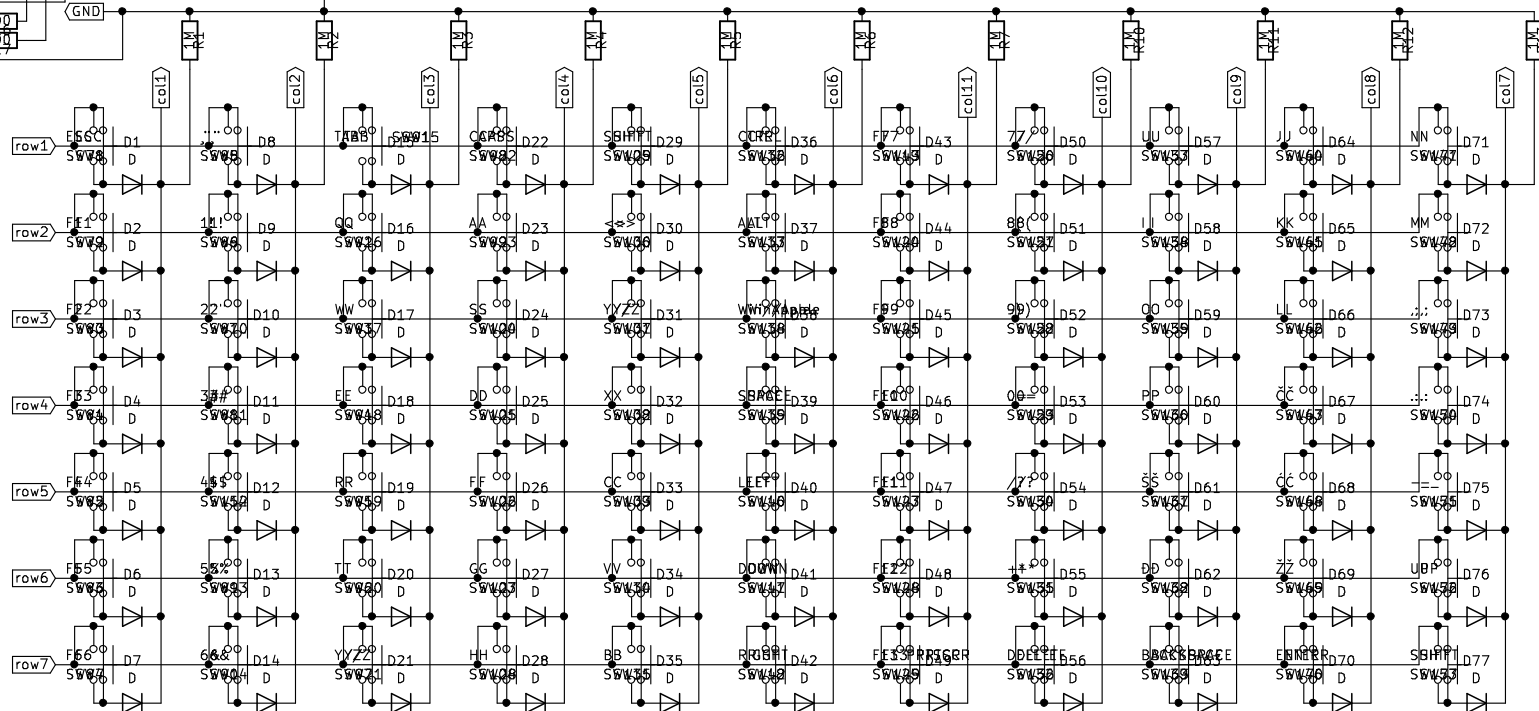
The regular distance between two keys on a mechanical keyboard
 equals 0.75 inch (19.05 mm). This value is defined as 1U.

This keyboard has 5 different keycap sizes:
 1U, 1.25U, 1.5U, 1.75U and 2.25U.

Board type	Definition	Sensor Resolution (DPmm / X x Y)	Sensor Size (mm / X x Y)
134	Standard TouchPad	85 x 94	47.1 x 32.3
156	Mini module	91 x 124	44.0 x 24.5
180	Super module	57 x 58	70.2 x 52.4
220	Ultra-thin module	85 x 94	47.1 x 32.3
221	Ultra-thin module, connector reversed	85 x 94	47.1 x 32.3
230	Wide pad module	73 x 96	54.8 x 31.7
240	Stamp pad module	187 x 170	21.4 x 17.9
140	SubMini module	122 x 167	32.8 x 18.2
301	Advanced Technology Pad	-	-

Synptics touchpad module dimensions:

- Synaptics 920-000686-01 Touchpad Module TM278 for Fsc Esprimo = 39 x 66 mm



Balthazar Computer Keyboard
 ProMicro as driver version
 7 x 11 matrix = 77 keys

Sheet: /		
File: BalthazarKeyboard.sch		
Title: Balthazar Computer Keyboard		
Size: A4	Date: 3/2020	Rev:
KiCad E.D.A. kicad (5.1.5)-3		Id: 1/1