PWR_FLAG

VCC

U1
PIC12F629-IP

J2
PS/2 KBD

R1
4.7k

R2
4.7k

D1
1N4148

R3
47k

C1
47uF

6
4
2

5
3
1

AT_DATA 6
AT_CLK   5

7
GP0
GP1
GP2

VDD

GP3
GP4
GP5

VSS

4
3
2

XT_DATA
XT_CLK

PWR_FLAG

H1
M2

H2
M2

SW1
E0 PASS

2
1

3

4
1

2

5
3

J1
XT KBD

8

GND

Title: PS/2 to XT Keyboard Converter

| Size: USLetter | Date: 2025-12-01 | **Rev:** |
| KiCad E.D.A. kicad (6.0.2) | | Id: 1/1 |