



Notes:  
C4 is not required except in unusual circumstances.  
Headers H1–H8 and all optional components are not required for basic operation. See [micro.technology/ubmp4](http://micro.technology/ubmp4) for details. PICkit ICSP header H9 is required for programming if the bootloader is not used.

MH1 MountingHole MH2 MountingHole MH3 MountingHole MH4 MountingHole



USB-Based Beginner  
Multifunction Project  
UBMP4 is Open Hardware  
Schematic: CC-BY 4.0



mirobo.tech UBMP4

File: UBMP430.kicad_sch	Rev: 3
Size: B	Date: 2023-04-26
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