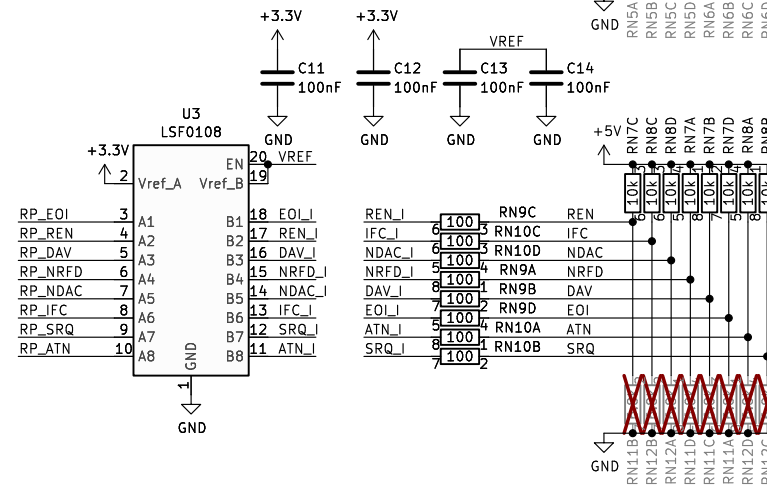
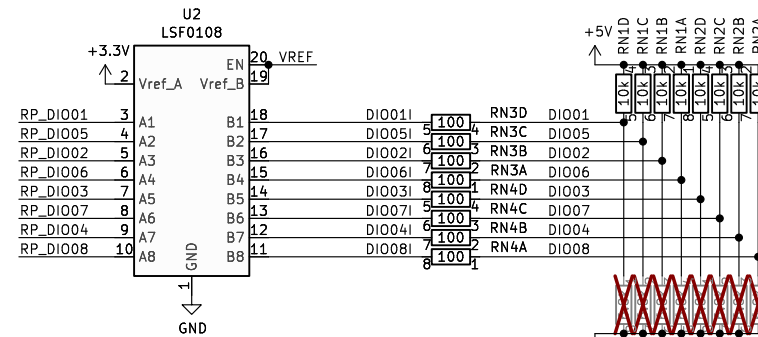
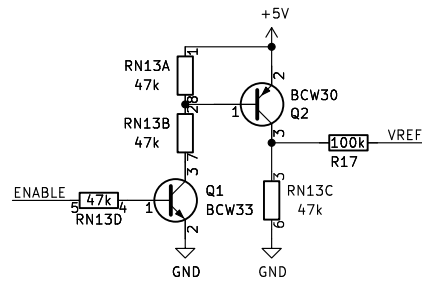
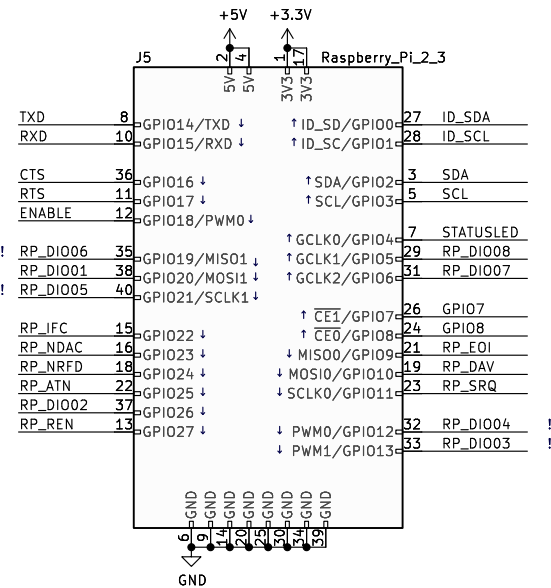
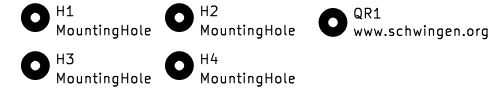
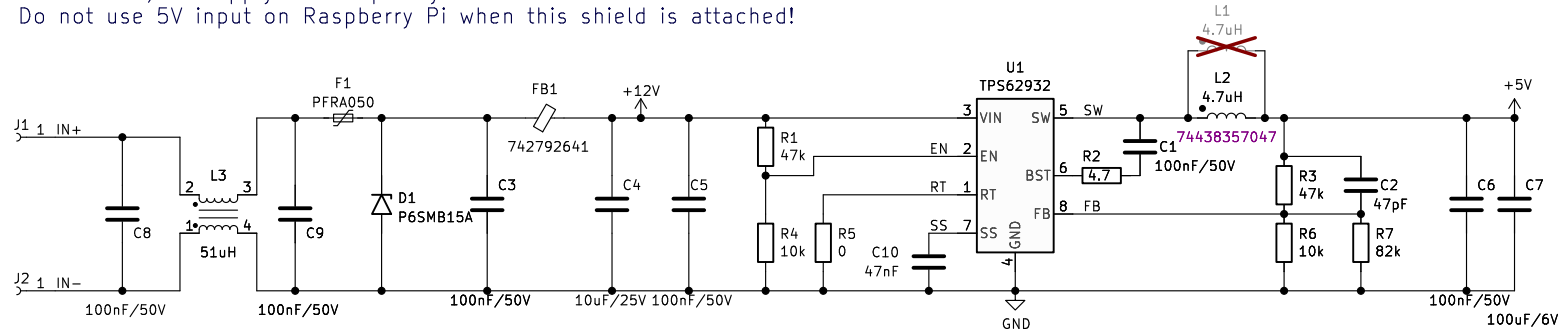
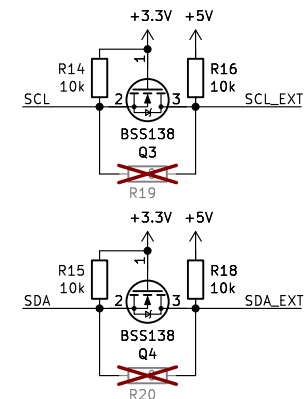
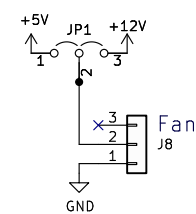
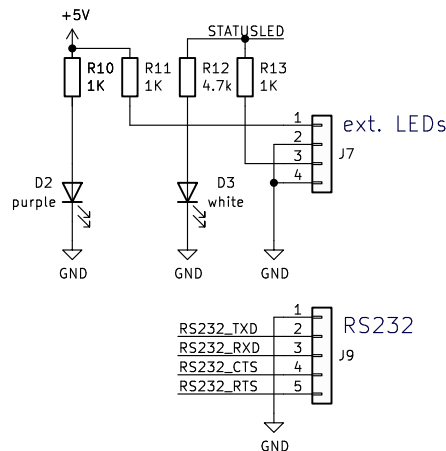
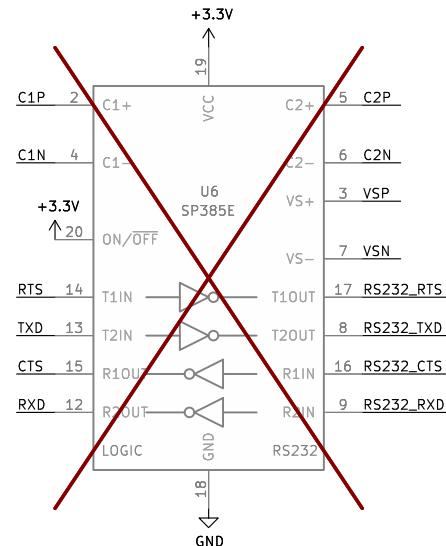
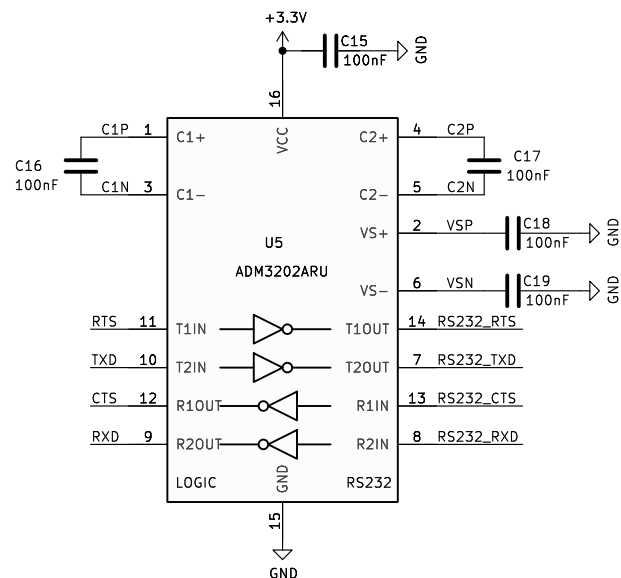
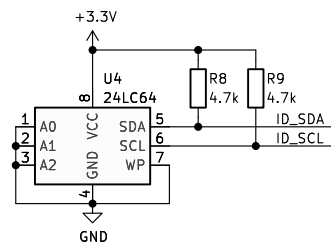
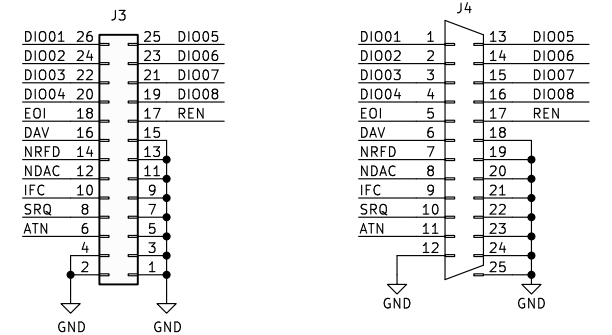


12V -> 5V/2A supply for Raspberry Pi.  
Do not use 5V input on Raspberry Pi when this shield is attached!

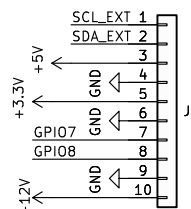
In: 6V-18V  
Out: 5V / 2A  
 $f = 1200\text{kHz} \rightarrow L = 3.9\mu\text{H} - 4.7\mu\text{H}$   
WE-MAPI 4020: 74438356047 4.7uH/76mR  
WE-MAPI 4020HT: 74438356047HT 4.7uH/75mR  
WE-MAPI 4030: 74438357047 4.7uH/44mR  
Coilcraft XGL4020-472ME: 4.7uH/47mR  
Bourns SRP4030FA-4R7M: 4.7uH/44mR

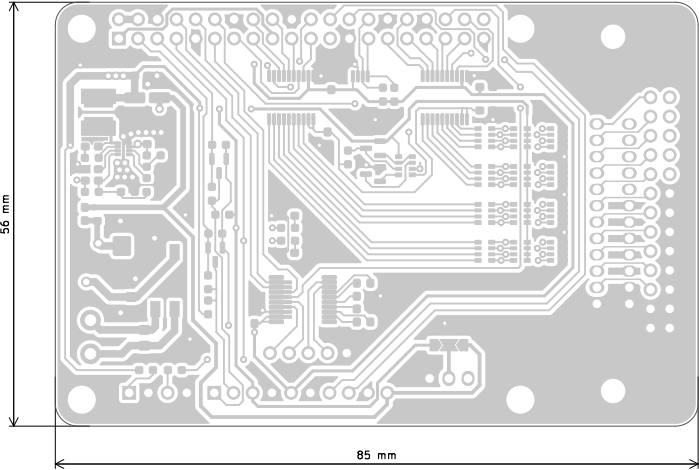


J3 pinout matches existing HP Cable.  
Connect IDC 24-pin centronics connector to 26-pin 2.54mm IDC connector:  
red stripe (pin 1) on cable to centronics pin 1.  
red stripe (pin 1) on cable to IDC pin socket pin 26, pin 1+2 are not connected (or attached to shield if available)



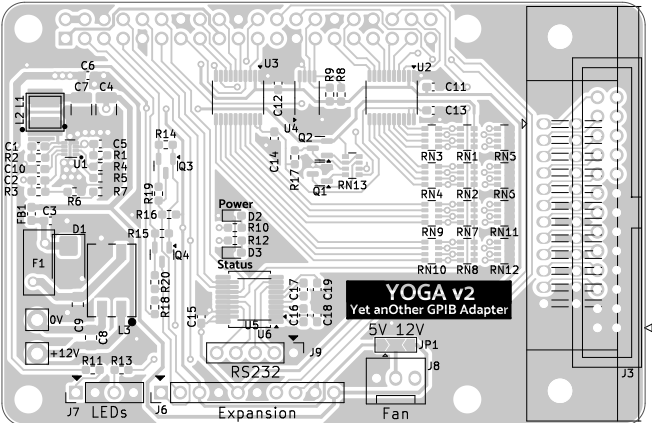
Expansion (Display etc.)





56 mm

85 mm



[www.schwingen.org](http://www.schwingen.org)



