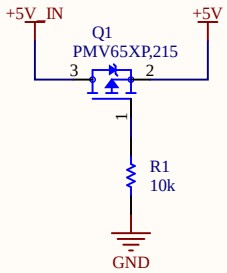
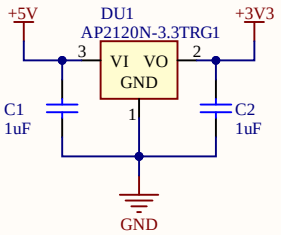
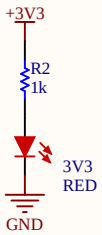
+3.3V POWER SUPPLY

Reverse polarity protection

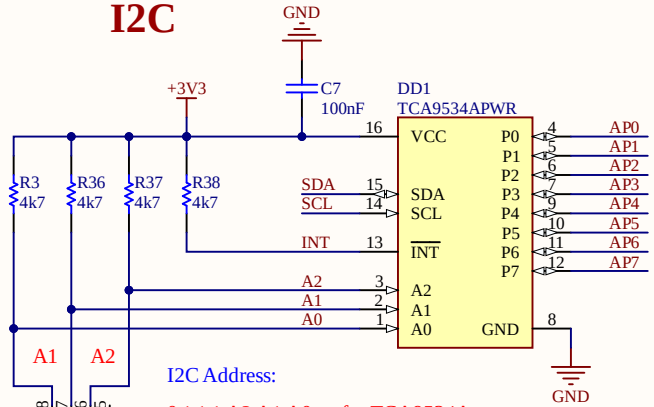


AP2120N-3.3TRG1
XC6206-3.3V
ME6206A33XG
AP7333-3.3SRG
MCP1700T-3302E/TT
LN6206P332MR-G
ME6206A33M3G



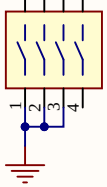


I2C



A0 A1 A2

I2C Address Selector



DSHP04TSGET
DSHP04TSGER
DSHP04TS-S

ON - CLOSED - 0, OFF - OPENED - 1

I2C Address:

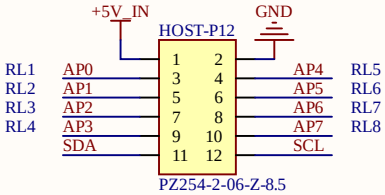
0 1 1 1 A2 A1 A0 x - for TCA9534A

0 1 0 0 A2 A1 A0 x - for TCA9534

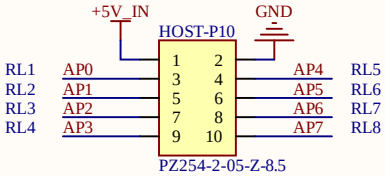
TCA9534APWR
TCA9534PWR
PCA9534APWR
PCA9534PWR
PCA9534PW

PCA9554(A)PW ???
PCA9654EDTR2G ???

CONNECTORS



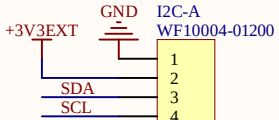
PZ254-2-06-Z-8.5



PZ254-2-05-Z-8.5

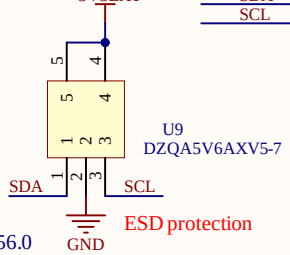
PZ254-2-05-Z-8.5
X6521WV-2x05H-C60D30
PZ254V-12-10P
PZ2.54-2*5

Alternative connectors for HOST-P are the same but 12 pins

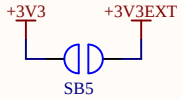


I2C-A

I2C-B



ESD protection



Board dimensions: 47.0 x 56.0

FD1 FD2 FD3

SSR Outputs (SPST, 1 Form A) - 8 channels (DO)

Max. current consumption (+5V_IN) = 8 * ((3.8 - 1) / 1 + (3.8 - 1.3) / 330) + (5 - 1) / 2 = ~ 85 mA

OUTPUTS

Input (RLx): Vi = 0...1.1V (Log.0) - SSR is On.

Vi = 1.1...2.5V - undefined range

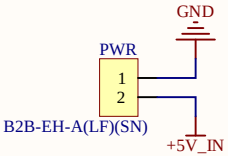
Vi = 2.5...5V (Log.1) - SSR is Off.

SSR output parameters:

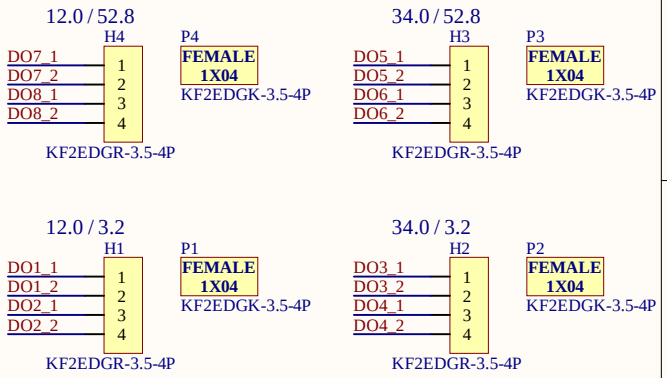
AQY212EHA X	2.5 Ohm (If=5mA, Vf=1.14V), 60V, 550mA, AC/DC, 500mW, 1 Form A(SPST-NO)
TLP241A(TP1,F	0.1 Ohm (If=5mA, Vf=1.4V), 40V, 2A, AC/DC, 500mW, 1 Form A(SPST-NO)
G3VM-31DR	0.05 Ohm (If=5mA, Vf=1.5V), 30V, 4A, AC/DC, 500mW, 1 Form A(SPST-NO)
CPC1330GR	30 Ohm (If=5mA, Vf=1.4V), 350V, 120mA, AC/DC, 500mW, 1 Form A(SPST-NO)

Attention!

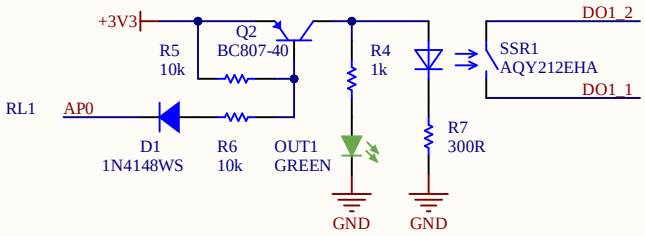
1. I2C (DD1, C7, R3, R36...R38, SW1, U9, I2C-A, I2C-B) - optional
2. Mount HOST-P12 or HOST-P10 or PWR

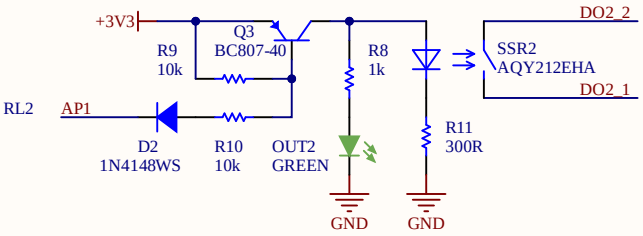


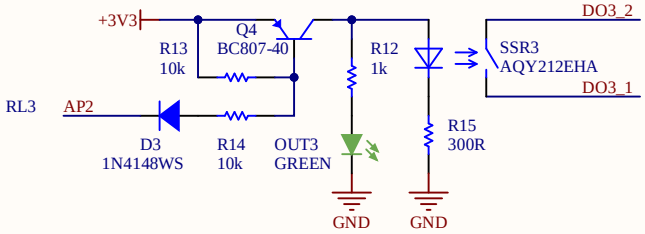
B2B-EH-A(LF)(SN)_2.54
B2B-EH-A(LF)(SN) - pin length - 3.3 mm
B2B-EH(LF)(SN) - pin length- 4 mm

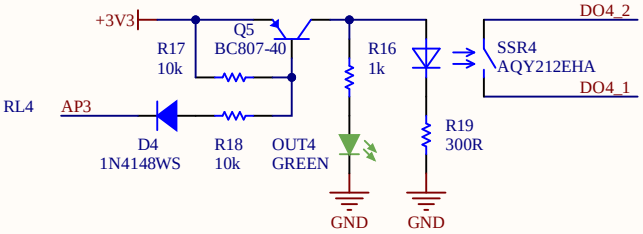


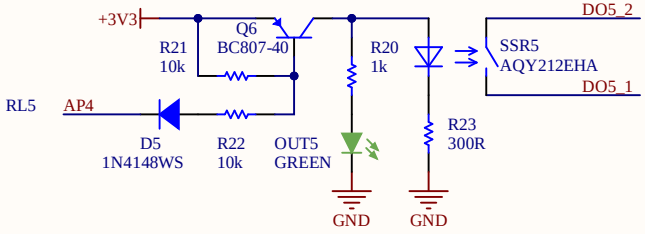
SSR OUTPUTS

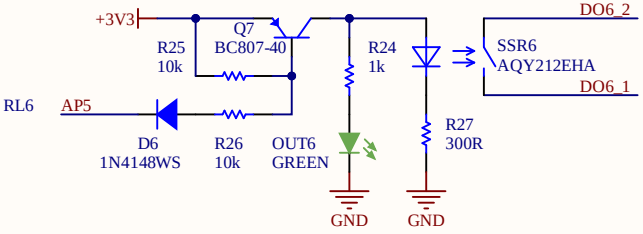


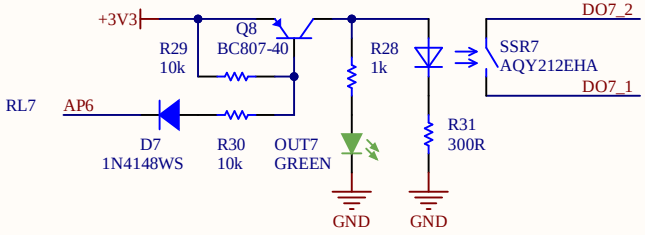


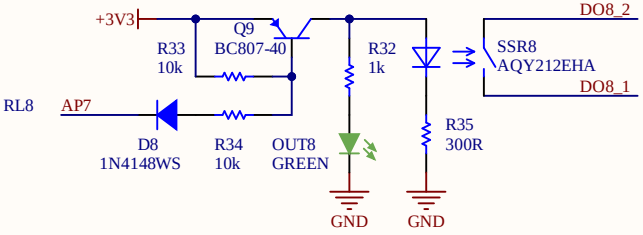












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