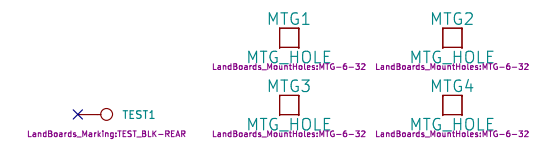


CARD I2C A2 Address Select

I2C Connectors (Daisy-chain)

- CONFIGURATION AND PROGRAMMING NOTES:
- 1 - SWITCHES NEED TO BE PULLED UP BY THE INTERNAL PULL UP RESISTORS IN THE MCP23017 PARTS.
 - 2 - INTA AND INTB NEED TO BE CONFIGURED AS OPEN-DRAIN OUTPUTS. THEY ARE PULLED UP ON THIS BOARD.
 - 3 - THE HOST SOFTWARE CAN RUN IN INTERRUPT DRIVEN MODE BUT WILL NEED TO POLL THE CHIPS TO DETERMINE THE INTERRUPT SOURCE.
 - 4 - SWITCHES ARE ON A-PORTS. PULL-UP RESISTORS MAKE DEFAULT = HIGH.
 - 5 - LEDs ARE ON B-PORTS. LEDs GO TO GROUND SO THEY TURN ON WHEN HIGH.
 - 6 - BOARD BASE ADDRESS IS SET WITH A2 JUMPER. MCP23017 PARTS USE A0, A1 FOR CHIP SELECTION.
 - 7 - I2C TERMINATORS GET INSTALLED AT THE LAST CARD IN THE SYSTEM.



32-bits of switches and LEDs
land-boards.com
 Sheet: /
 File: FrontPanel.sch
Title: Front Panel

Size: B	Date: 2019-09-25	Rev: 1
KiCad E.D.A.	kiCad (5.0.2)-1	Id: 1/1