CAN functional group 1



File: circuit-1.kicad_sch

CAN functional group 2



File: circuit-2.kicad_sch

CAN functional group 3



File: circuit-3.kicad_sch

PWR_FLAG



PWR_FLAG



PWR_FLAG



Host connector supply / explicitly isolated ferrite return

Host connector supply / explicitly isolated ferrite return

Host connector supply / explicitly isolated ferrite return

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Sheet: /

File: gadgeteer-to-can.kicad_sch

Title: Isolated CAN / silent-receive candidate – NOT QUALIFIED

Size: A3	Date:	**Rev: WIP**
KiCad E.D.A. 9.0.8		Id: 1/4

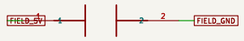
CAN functional group 1 / WIP — same-name global labels connect

C1



100 nF X7R 50 V

C10



10uF 16V X7R

C2



100nF 16V X7R

C3



10nF 16V X7R

C5



10uF 16V X7R

C6



10nF 16V X7R

C8



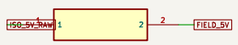
10uF 16V X7R

C9



100nF 16V X7R

FB1



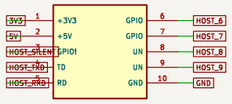
BLM15EX331SN1

FB2



BLM15EX331SN1

J1



C HOST

J2



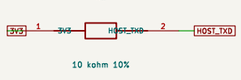
C CHAIN

J3



CAN FIELD

R1



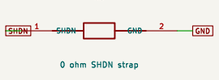
10 kohm 10%

R2



10 kohm 10%

R3



0 ohm SHDN strap

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Sheet: /CAN functional group 1/

File: circuit-1.kicad_sch

Title: CAN functional group 1

Size: A3	Date:	**Rev: WIP**
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CAN functional group 2 / WIP — same-name global labels connect

R4



120 ohm 1% 0.25 W

R5



10kohm 1%

SJ10



TERM OPEN

SJ3



C pin 3 OPEN

SJ4



C pin 4 OPEN

SJ5



C pin 5 OPEN

SJ6



C pin 6 BRIDGED

SJ7



C pin 7 BRIDGED

SJ8



C pin 8 BRIDGED

SJ9



C pin 9 BRIDGED

TP1



3V3

TP2



GND

TP3



HOST_TXD

TP4



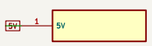
HOST_RXD

TP5



HOST_SILENT

TP6



5V observe

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Sheet: /CAN functional group 2/

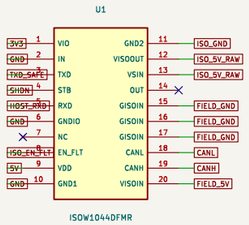
File: circuit-2.kicad_sch

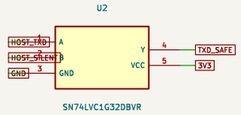
Title: CAN functional group 2

Size: A3	Date:	**Rev: WIP**
KiCad E.D.A. 9.0.8		Id: 3/4

CAN functional group 3 / WIP — same-name global labels connect







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Sheet: /CAN functional group 3/
File: circuit-3.kicad_sch

Title: CAN functional group 3

Size: A3	Date:	**Rev: WIP**
KiCad E.D.A. 9.0.8		Id: 4/4