Main board

File: MainBoard.kicad_sch

Radio

File: Radio.kicad_sch

Buttons

File: Buttons.kicad_sch

Motorcycle Harness

File: MotorcycleHarness.kicad_sch

Cable Harness

File: CableHarness.kicad_sch

Accessories

File: Accessories.kicad_sch

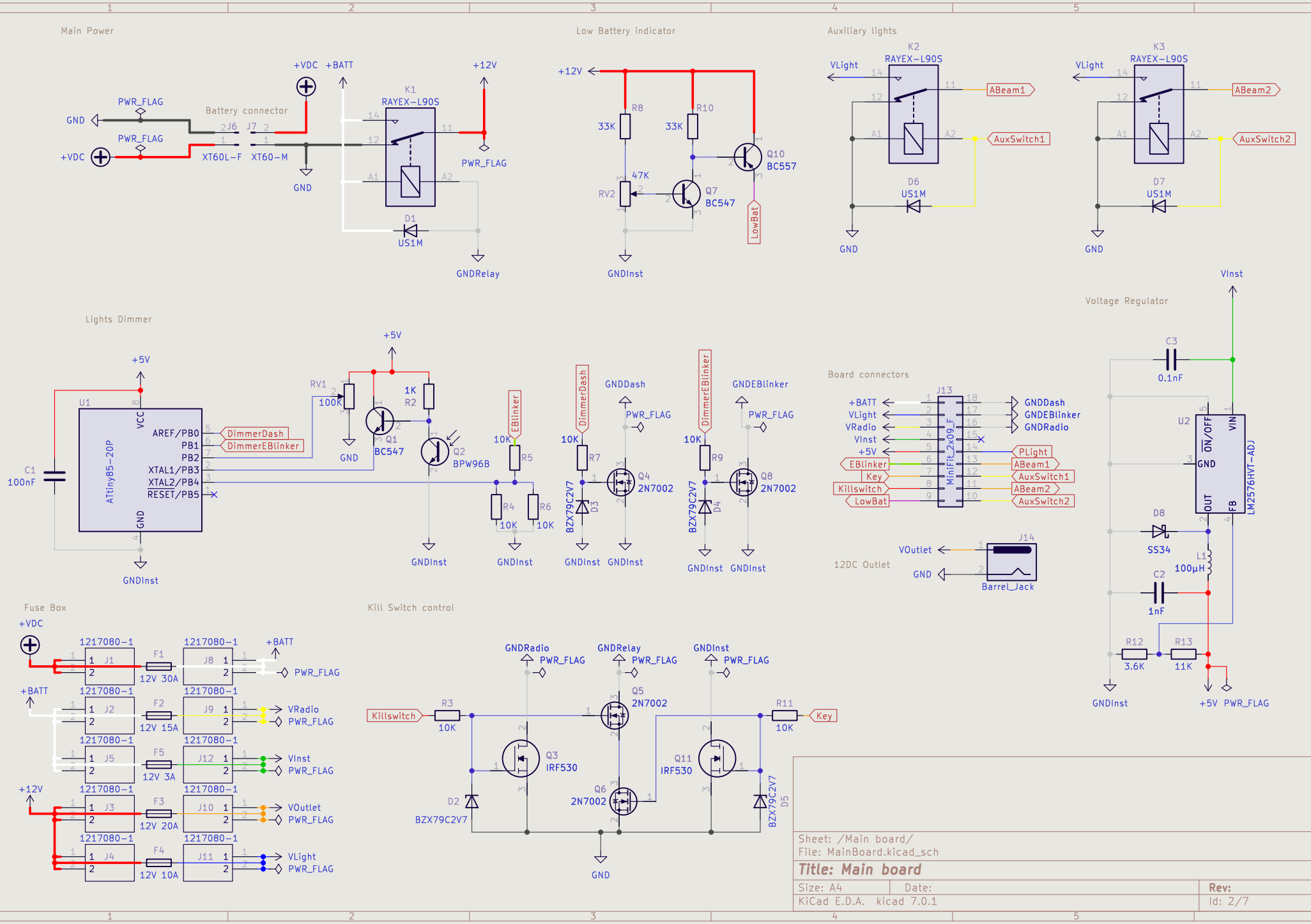
Labels are in reference to the local I/O scope boxes
Labels at the cable harness are in reference to the Bus I/O

Wire gauge: 1mm² / 18AWG

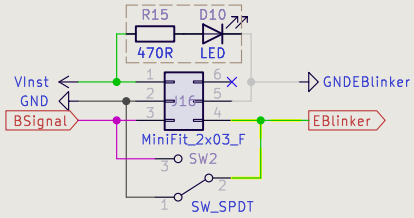
Sheet: /
File: dragstar-infotainment.kicad_sch

Title: Drag Star 650 infotainment circuit

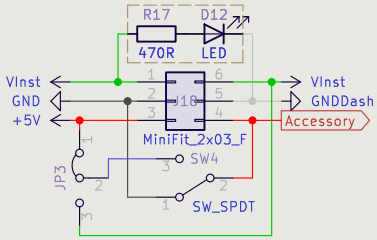
Size: A4	Date: 2023-04-12	**Rev: 2.4**
KiCad E.D.A. kicad 7.0.1		Id: 1/7


Main Power
Low Battery indicator
Auxiliary lights
Lights Dimmer
Voltage Regulator
Board connectors
Fuse Box
Kill Switch control
Battery connector
Barrel_Jack
12DC Outlet
Sheet: /Main board/
File: MainBoard.kicad_sch
Title: Main board
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.1
Id: 2/7

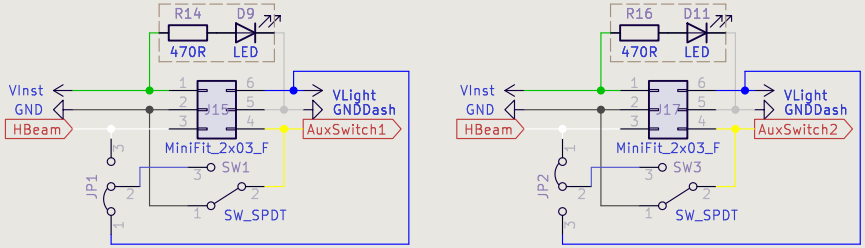
Emergency Stop Button



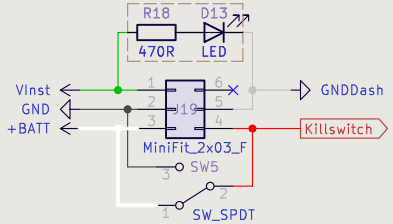
Accessory Button



Auxiliary Beam Buttons



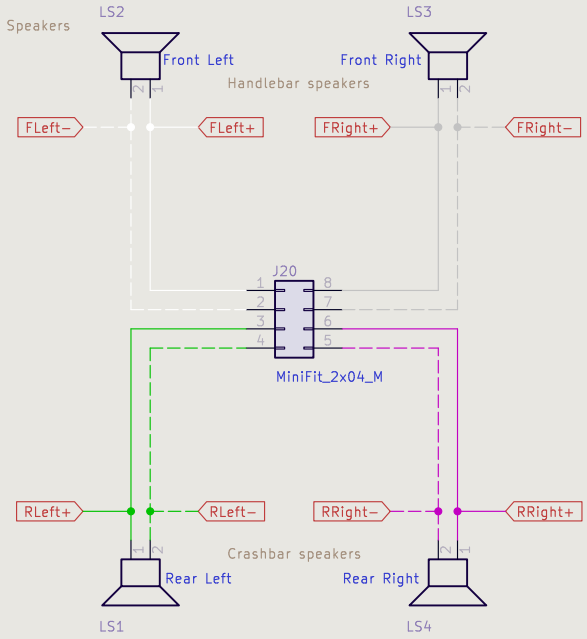
Kill switch button

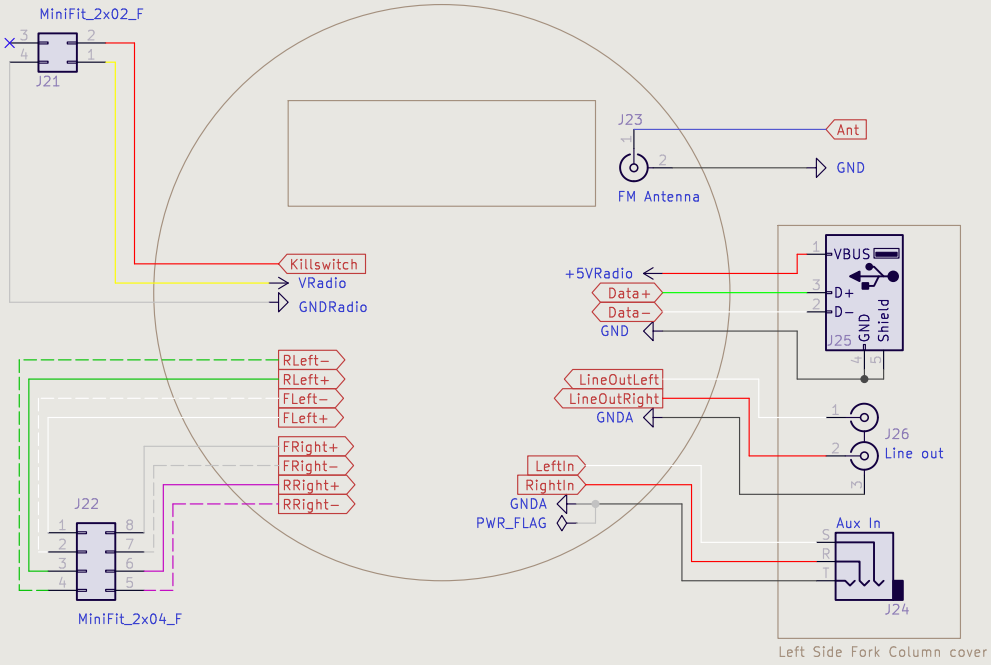


Sheet: /Buttons/
File: Buttons.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 3/7



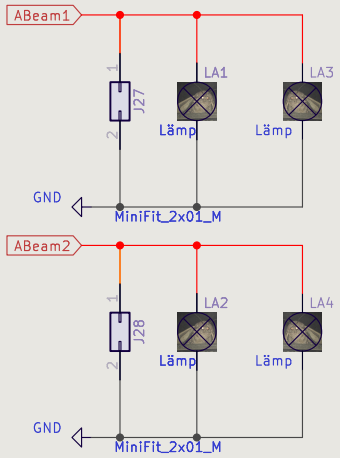


Sheet: /Radio/
File: Radio.kicad_sch

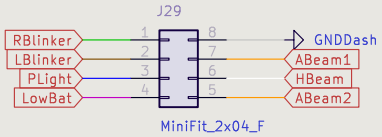
Title: Velex VX163 Radio

Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.1		Id: 4/7

Auxiliary beam

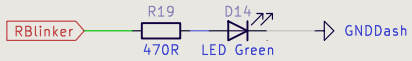


Indicator connector

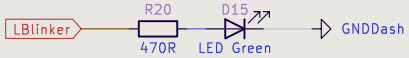


Dashboard lamps

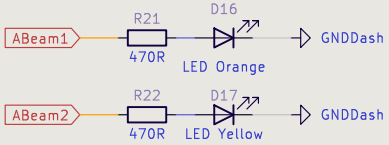
Right blinker indicator



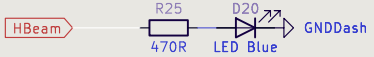
Left blinker indicator



Auxiliary lights indicator

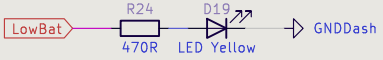


High beam indicator



Low beam indicator

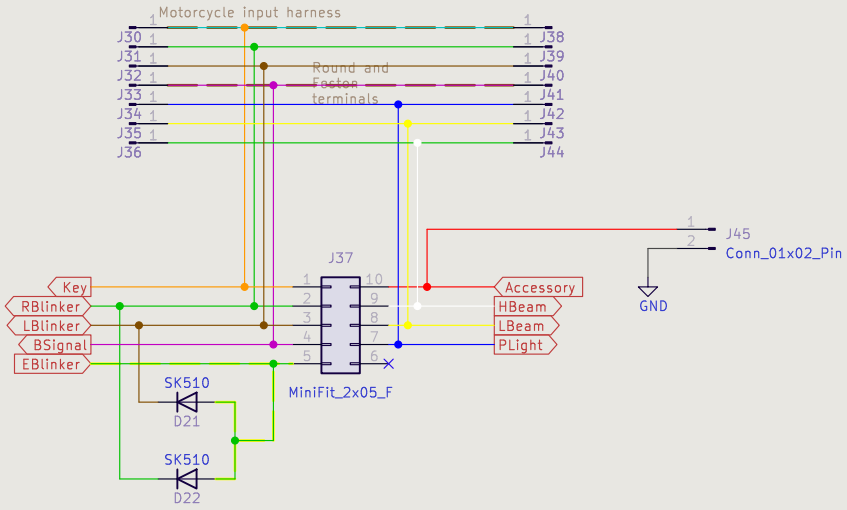
Low battery indicator



Sheet: /Accessories/
File: Accessories.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 5/7

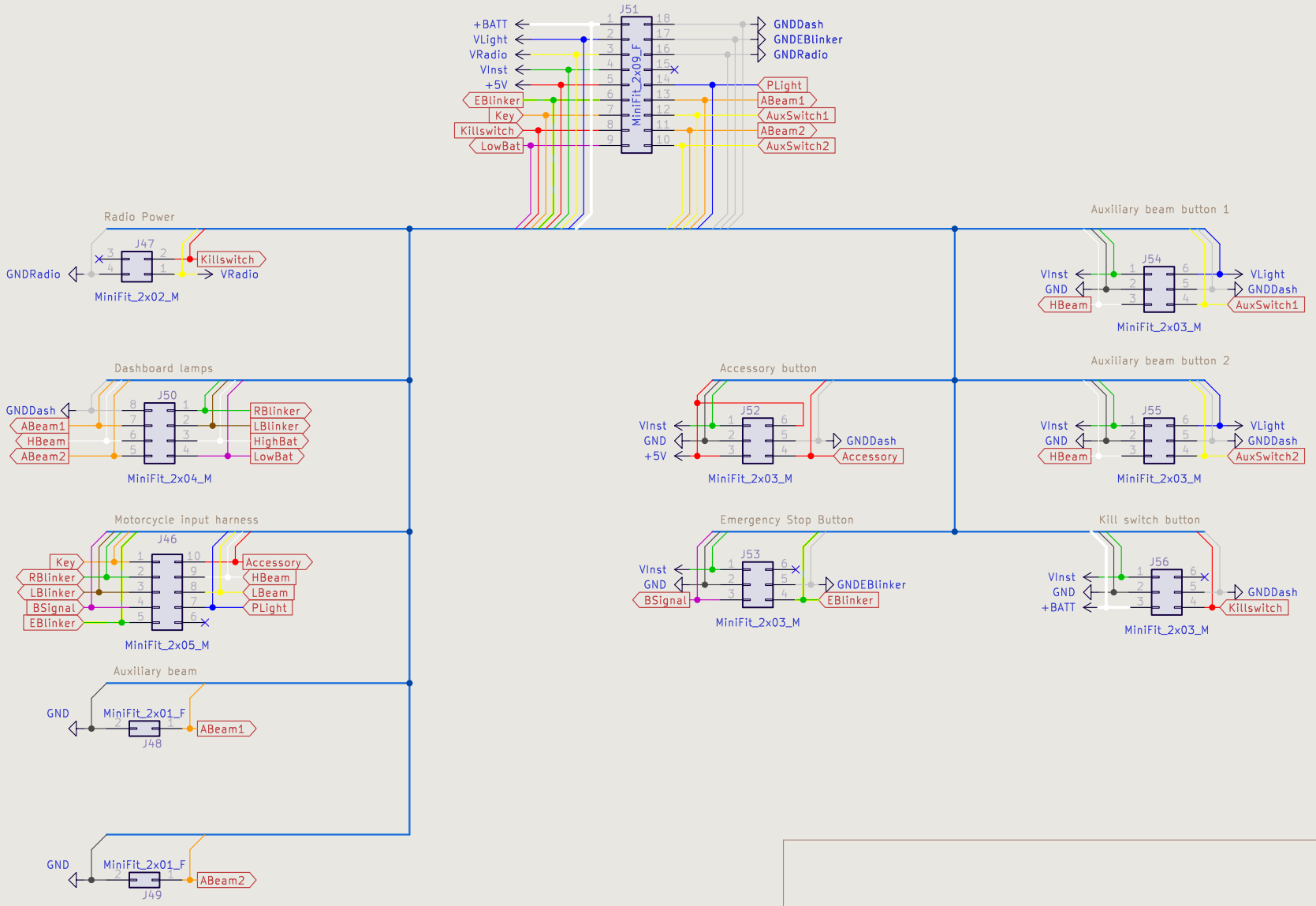


LCD where from the factory's motorcycle harness

Sheet: /Motorcycle Harness/
File: MotorcycleHarness.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 6/7


J51
MiniFit_2x09_F
+BATT
VLight
VRadio
VInst
+5V
EBlinker
Key
Killswitch
LowBat
GNDDash
GNDEBlinker
GNDRadio
PLight
ABeam1
AuxSwitch1
ABeam2
AuxSwitch2
Radio Power
J47
MiniFit_2x02_M
GNDRadio
Killswitch
VRadio
Auxiliary beam button 1
J54
MiniFit_2x03_M
VInst
GND
HBeam
VLight
GNDDash
AuxSwitch1
Dashboard lamps
J50
MiniFit_2x04_M
GNDDash
ABeam1
HBeam
ABeam2
RBlinker
LBlinker
HighBat
LowBat
Accessory button
J52
MiniFit_2x03_M
VInst
GND
+5V
GNDDash
Accessory
Auxiliary beam button 2
J55
MiniFit_2x03_M
VInst
GND
HBeam
VLight
GNDDash
AuxSwitch2
Motorcycle input harness
J46
MiniFit_2x05_M
Key
RBlinker
LBlinker
BSignal
EBlinker
Accessory
HBeam
LBeam
PLight
Emergency Stop Button
J53
MiniFit_2x03_M
VInst
GND
BSignal
GNDEBlinker
EBlinker
Kill switch button
J56
MiniFit_2x03_M
VInst
GND
+BATT
GNDDash
Killswitch
Auxiliary beam
J48
MiniFit_2x01_F
GND
ABeam1
J49
MiniFit_2x01_F
GND
ABeam2
Sheet: /Cable Harness/
File: CableHarness.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.1
Id: 7/7