Sheet: Sheet_Core

HEIGHT_FL_RX_3V
HEIGHT_FL_TX
HEIGHT_FR_RX_3V
HEIGHT_FR_TX
HEIGHT_RL_RX_3V
HEIGHT_RL_TX
ACCEL1_I2C_SCL
ACCEL1_I2C_SDA
ACCEL1_NINT
ACCEL2_NINT
ACCEL3_I2C_SCL
ACCEL3_I2C_SDA
ACCEL3_NINT
REFLECT_R
REFLECT_M
REFLECT_F
LASER_NCS
LASER_SPI_SCK
LASER_SPI_MISO
LASER_SPI_MOSI
LASER_NIRQ

File: ControlNode__Core.sch

Sheet: Sheet_Accels

ACCEL1_I2C_SCL
ACCEL1_I2C_SDA
ACCEL1_NINT
ACCEL2_NINT
ACCEL3_I2C_SCL
ACCEL3_I2C_SDA
ACCEL3_NINT

File: ControlNode_Accels.sch

Sheet: Sheet_HeightSensors

HEIGHT_FL_RX_3V
HEIGHT_FL_TX
HEIGHT_FR_RX_3V
HEIGHT_FR_TX
HEIGHT_RL_RX_3V
HEIGHT_RL_TX

File: ControlNode_HeightSensors.sch

Sheet: Sheet_Laser

LASER_NCS
LASER_SPI_SCK
LASER_SPI_MISO
LASER_SPI_MOSI
LASER_NIRQ

File: ControlNode_Laser.sch

Sheet: Sheet_ReflectSensors

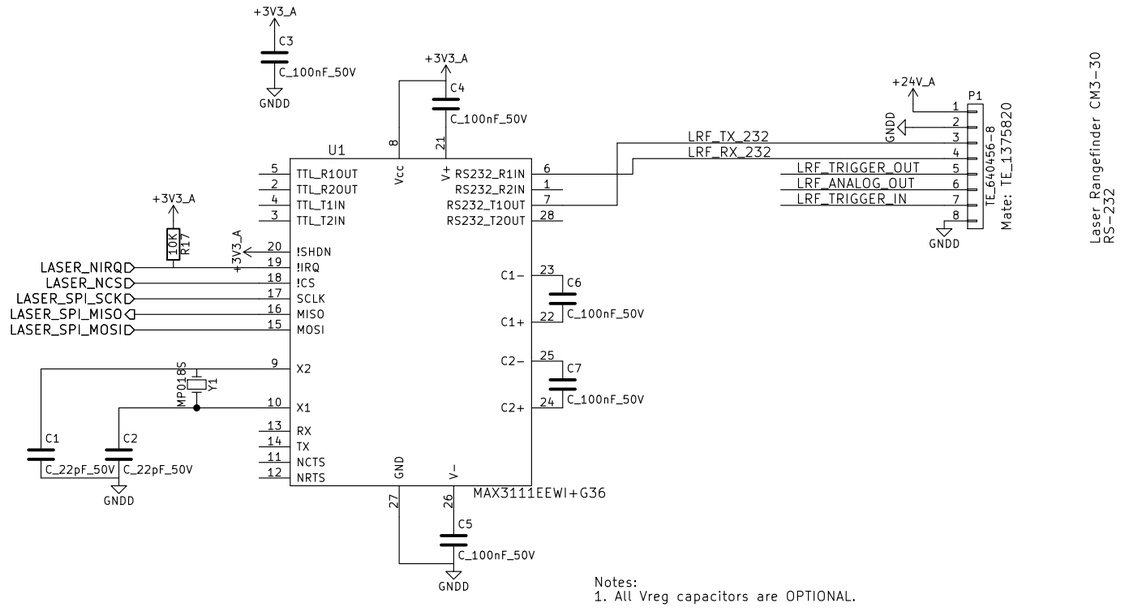
REFLECT_R
REFLECT_M
REFLECT_F

File: ControlNode_Reflectance.sch

rLoop – Control Node

Original Author: SafetyLok

Sheet: /		
File: Control Board.sch		
Title: Control Node – Overview		
Size: A3	Date:	**Rev: 1**
KiCad E.D.A. kicad 4.0.2-stable		Id: 1/6



Notes:
1. All Vreg capacitors are OPTIONAL.

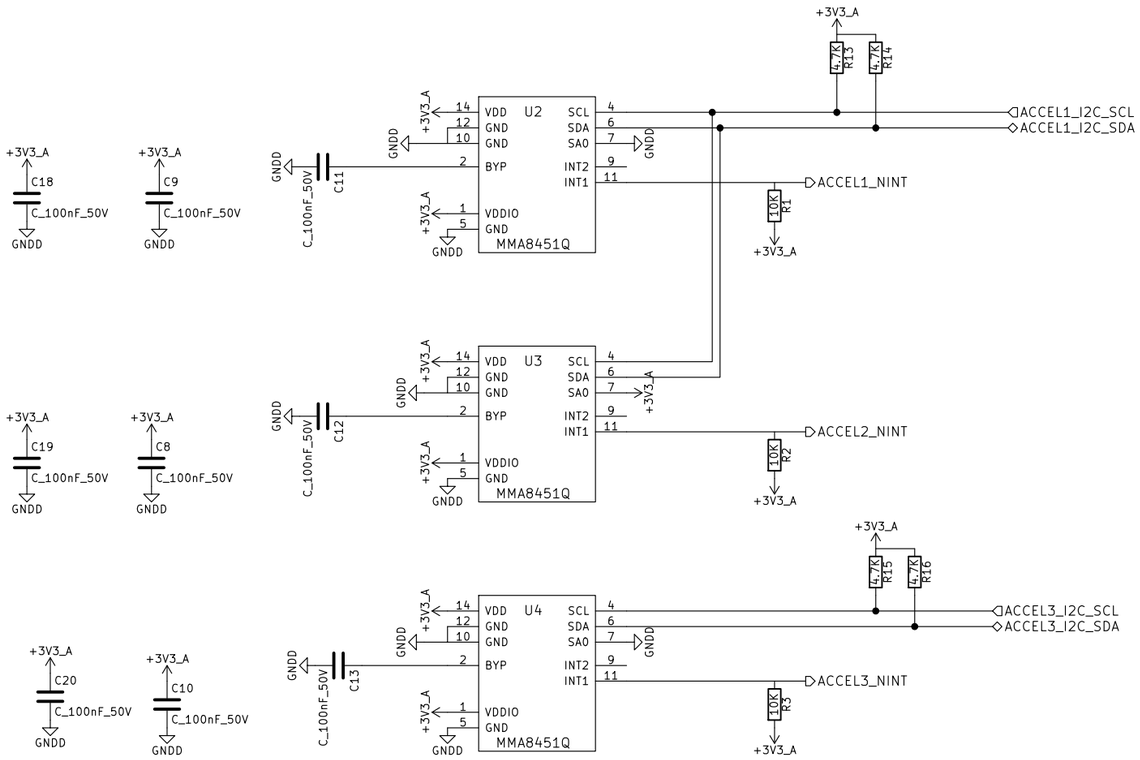
rLoop – Control Node

Original Author: SafetyLok

Sheet: /Sheet_Laser/
File: ControlNode_Laser.sch

Title: Laser Interface

Size: A3	Date:	**Rev: 2**
KiCad E.D.A. kicad 4.0.2-stable		Id: 2/6



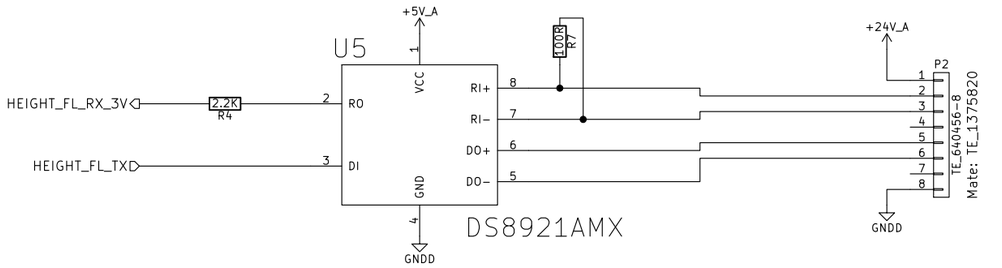
rLoop — Control Node

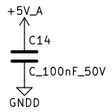
Original Author: SafetyLok

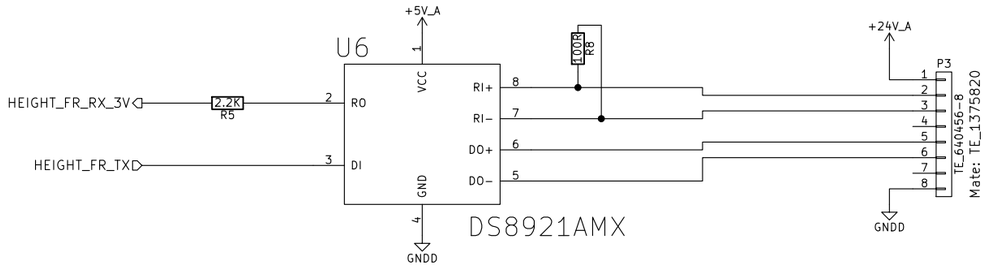
Sheet: /Sheet_Accels/
File: ControlNode_Accels.sch

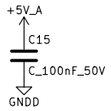
Title: Accelerometers

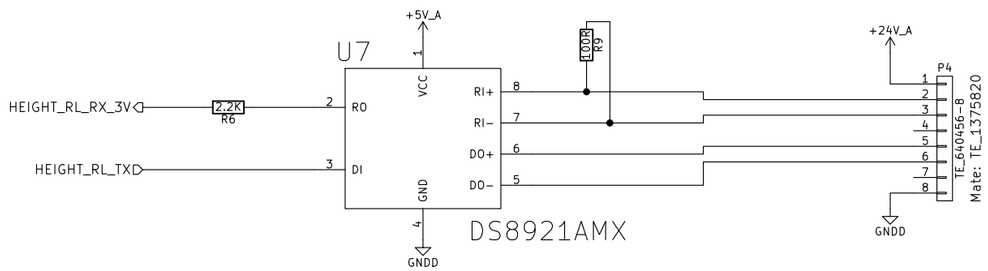
Size: A3	Date:	**Rev: 2**
KiCad E.D.A. kicad 4.0.2-stable		Id: 3/6

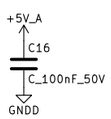












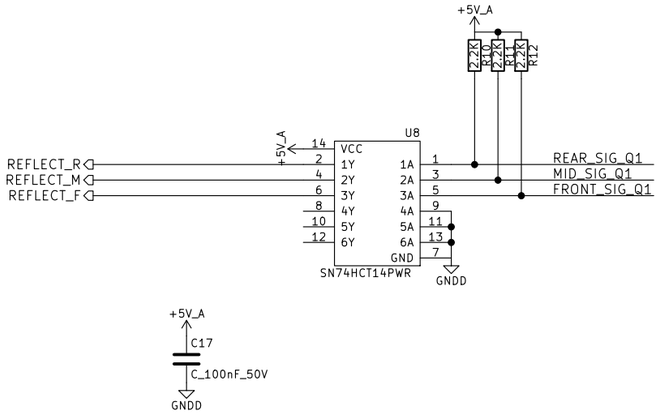
rLoop – Control Node

Original Author: SafetyLok

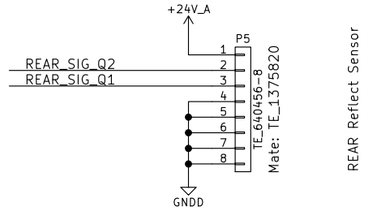
Sheet: /Sheet_HeightSensors/
File: ControlNode_HeightSensors.sch

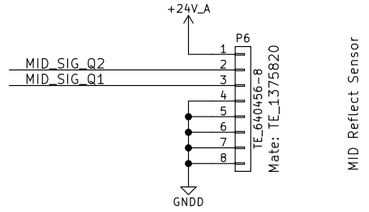
Title: Height Sensors

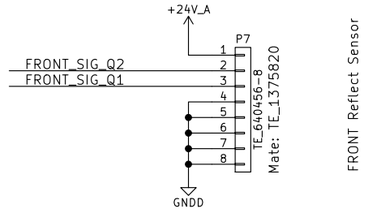
Size: A3	Date:	**Rev: 1**
KiCad E.D.A. kicad 4.0.2-stable		Id: 4/6



Assume Q2 switches to +UB
Assume Q1 switches to 0V







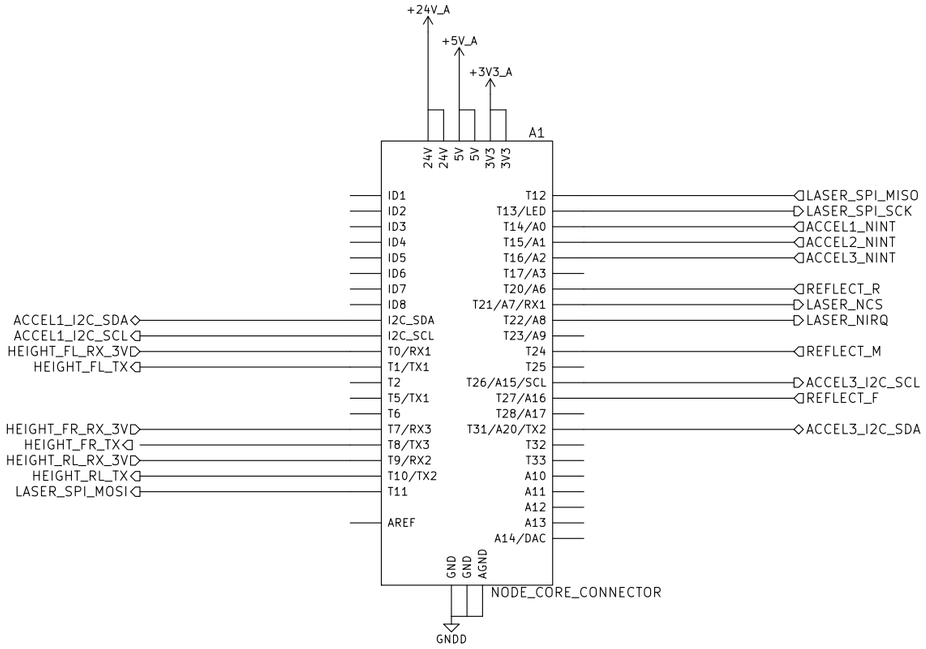
rLoop – Control Node

Original Author: SafetyLok

Sheet: /Sheet_ReflectSensors/
File: ControlNode_Reflectance.sch

Title: Reflectance Sensors

Size: A3	Date:	**Rev: 1**
KiCad E.D.A. kicad 4.0.2-stable		Id: 5/6



rLoop – Control Node

Original Author: SafetyLok

Sheet: /Sheet_Core/
File: ControlNode__Core.sch

Title: Core

Size: A3	Date:	**Rev: 1**
KiCad E.D.A. kicad 4.0.2-stable		Id: 6/6