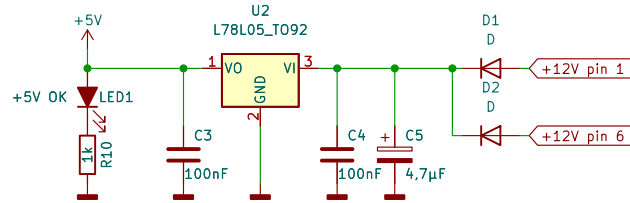
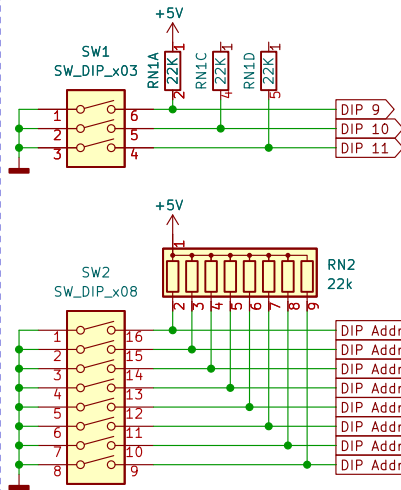


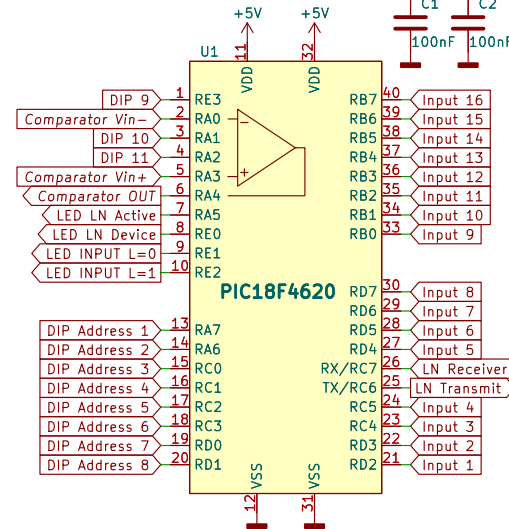
+5V Power



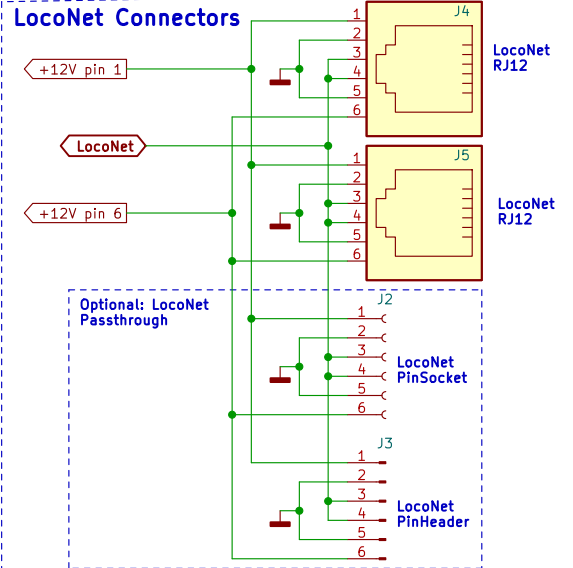
Settings



MicroController (µC)



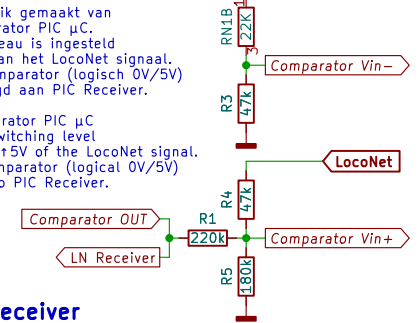
LocoNet Connectors



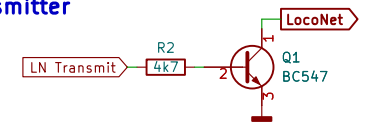
Er wordt gebruik gemaakt van interne comparator PIC µC. Het schakelniveau is ingesteld op +4V +5V van het LocoNet signaal. De uitgang comparator (logisch 0V/5V) wordt aangelegd aan PIC Receiver.

Internal comparator PIC µC is used. The switching level is set to +4V +5V of the LocoNet signal. The output comparator (logical 0V/5V) is connected to PIC Receiver.

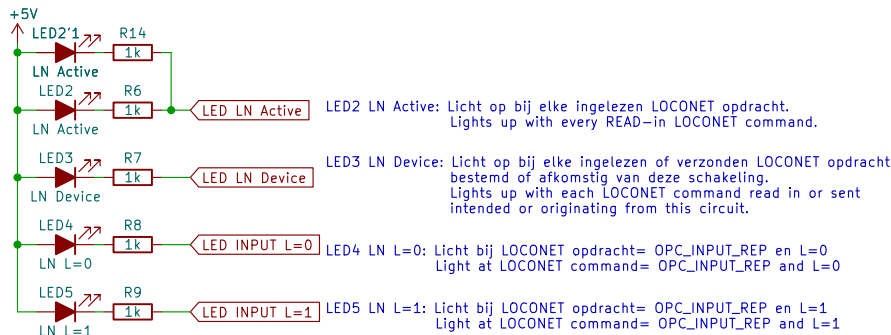
LocoNet Receiver



LocoNet Transmitter



Indication LED



Design by: Geert Gibbens

LocoNet Input PCB for 16 inputs (Current)

Address range in steps of 16 adjustable with DIP switches

Function input adjustable with DIP switch 9-10-11

Sheet: /

File: LocoNet Input Current V1p0.kicad_sch

Title: LocoNet Input PCB for Current

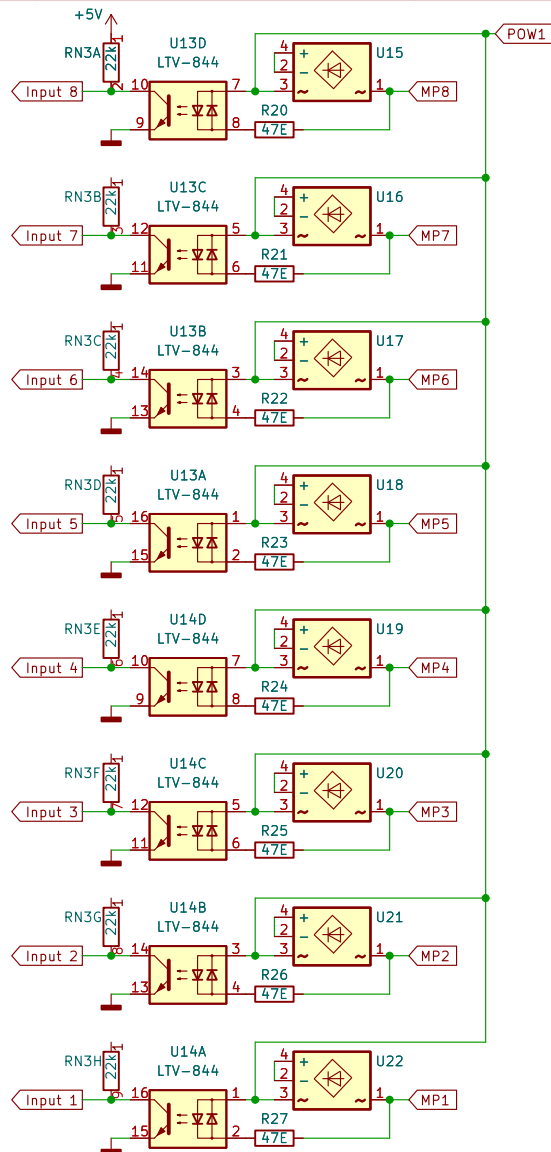
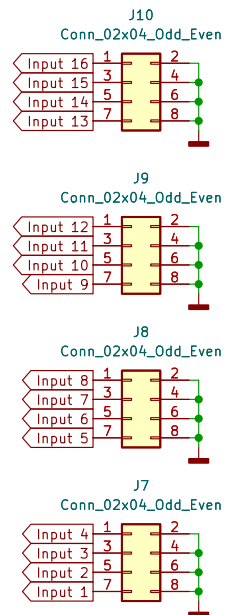
Size: A4 Date: 2023-04-01

KiCad E.D.A. kicad (6.0.10)

Rev: V1.2

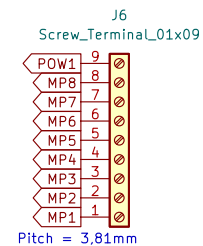
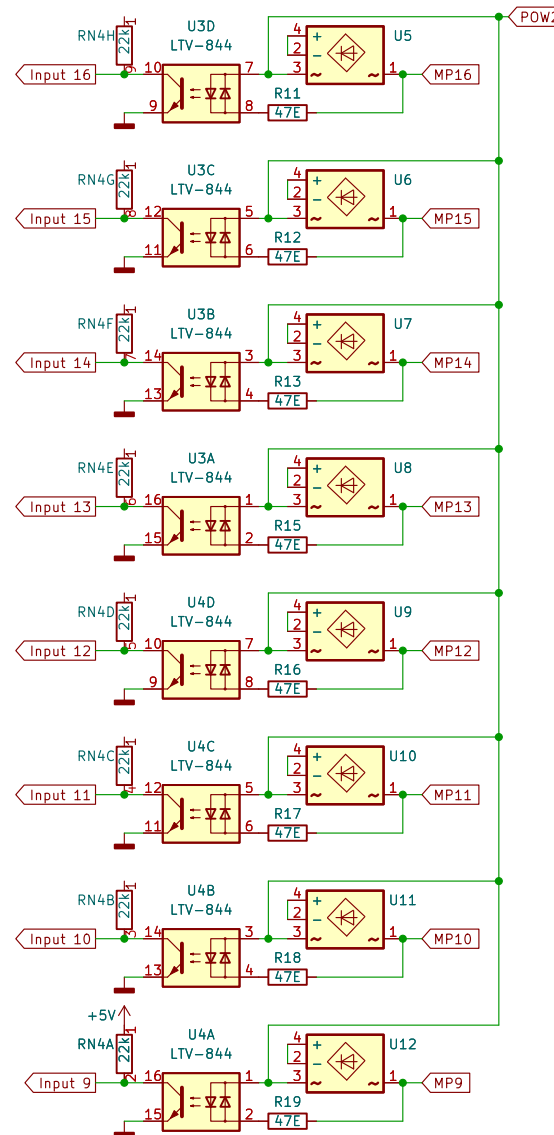
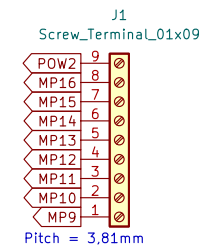
Id: 1/2

16 Mass Inputs



16 Current Inputs

Optocoupler U3 U4 U13 U14= ILQ620 or PC844
Diode Bridge U5-U12 U15-U22 = 2W10



Design by: Geert Giebels
LocoNet Input PCB for 16 inputs (Current)
Address range in steps of 16 adjustable with DIP switches
Function input adjustable with DIP switch 9-10-11

Sheet: /Input Connectors/
File: Input connectors.kicad_sch

Title: LocoNet Input PCB for Current

Size: A4 Date: 2023-04-01
KiCad E.D.A. kicad (6.0.10)

Rev: V1.2
Id: 2/2