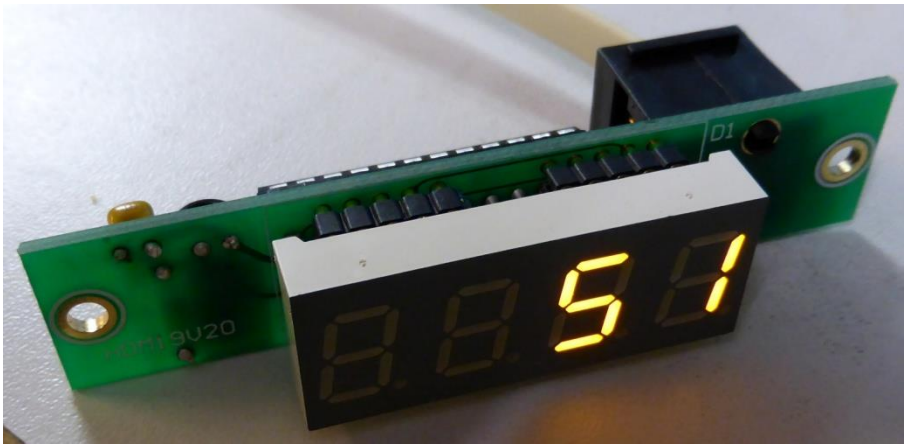
LocoView Manual

HDM19



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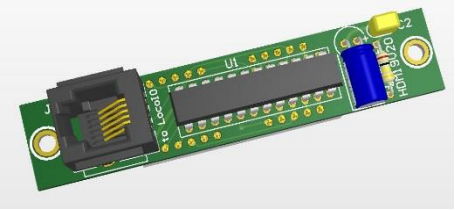
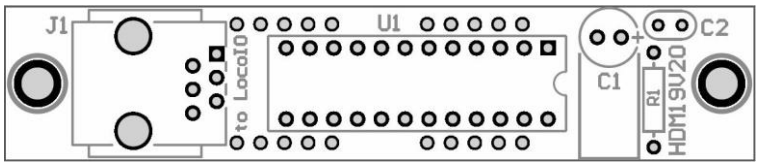
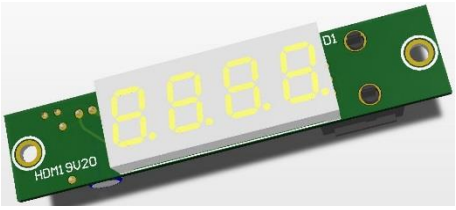
Version 18/10/2021

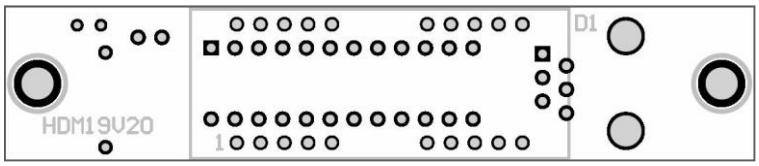
HDM19 LocoView

LocoView is a module that can display a locomotive address of locomotives with Railcom. You can connect 1 to 4 modules on a LocoIO Version 1.53 or higher. The LocoIO receives his information from a LocoRCD.









Bill of materials: HDM19 Version 2.0

PCB	HDM19	1	
Resistor	100kΩ (Brown,Black,Yellow,Gold)	1	R1
ELCO	10µF/25V	1	C1
Capacitor	100nF (104)	1	C2
Connector	RJ12V	1	J1
IC	MAX7219CNG	1	U1
Display	CC04-41SYKWA	1	D1

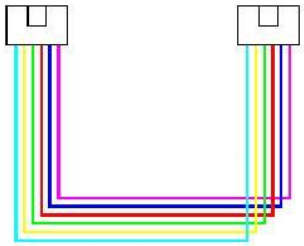
! Remark: Solder the display as last component on the PCB

Display information:

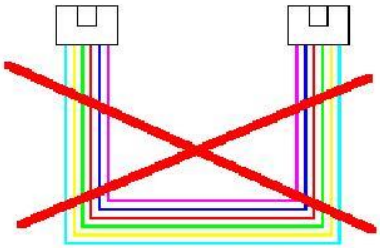
- If the display is Blank, then there is no power supply or the Loco View is not properly started.
- Bottom right a point, then there is nothing in the block of the LocoRCD.
- “ 0” on the Display then there is something in the block, but send no Railcom information.
- A number on the display is the address of a Loco in the block connected on the LocoRCD.

LocoView Connection:

Connection between LocoView and LocoIO with a 6 wire cable with RJ12 connectors. Important is that on the connector on both ends of the cable the pin1 to pin1 is connected.
The length of the cables can be maximum 200 cm.



Correct



Wrong

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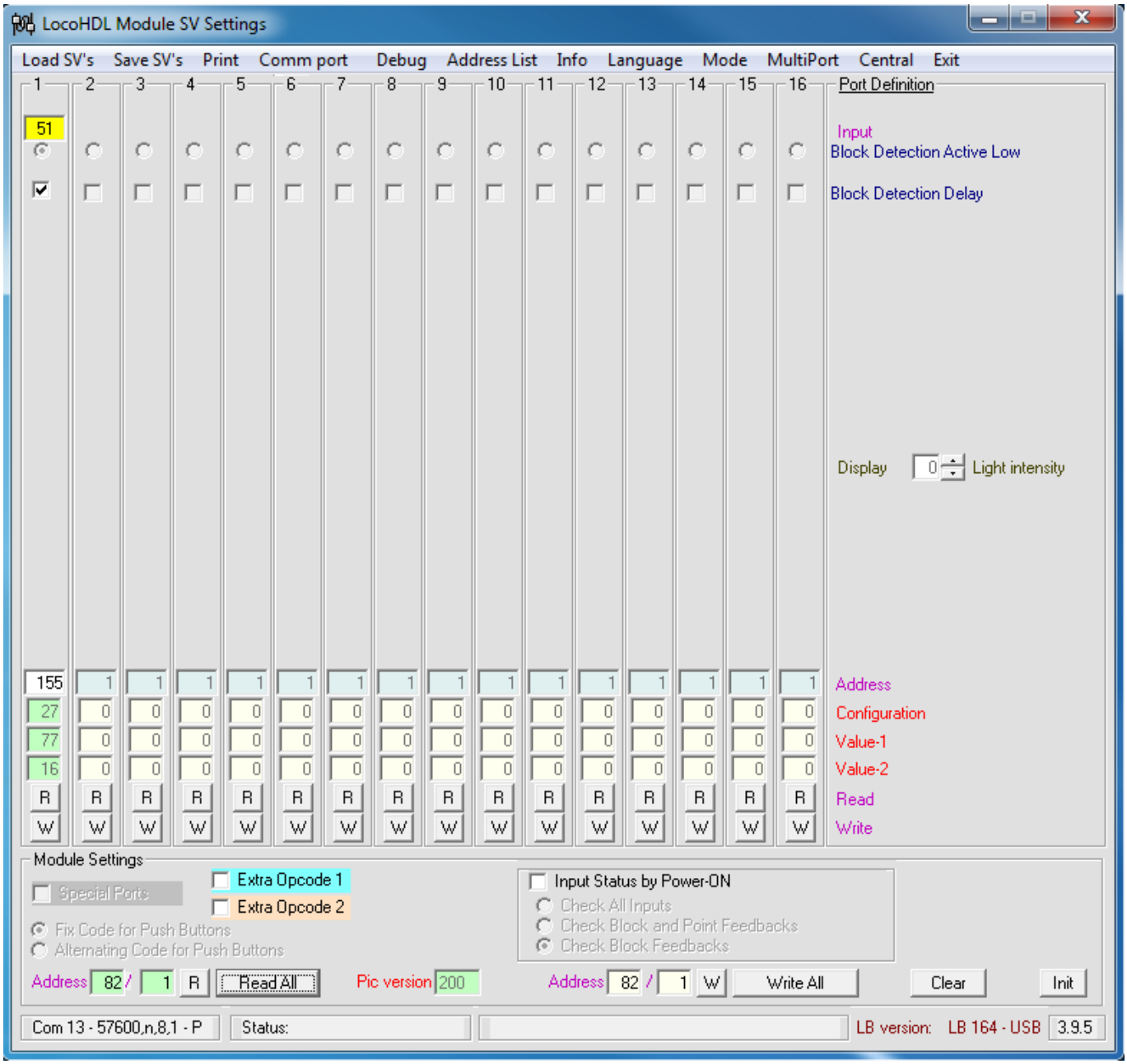
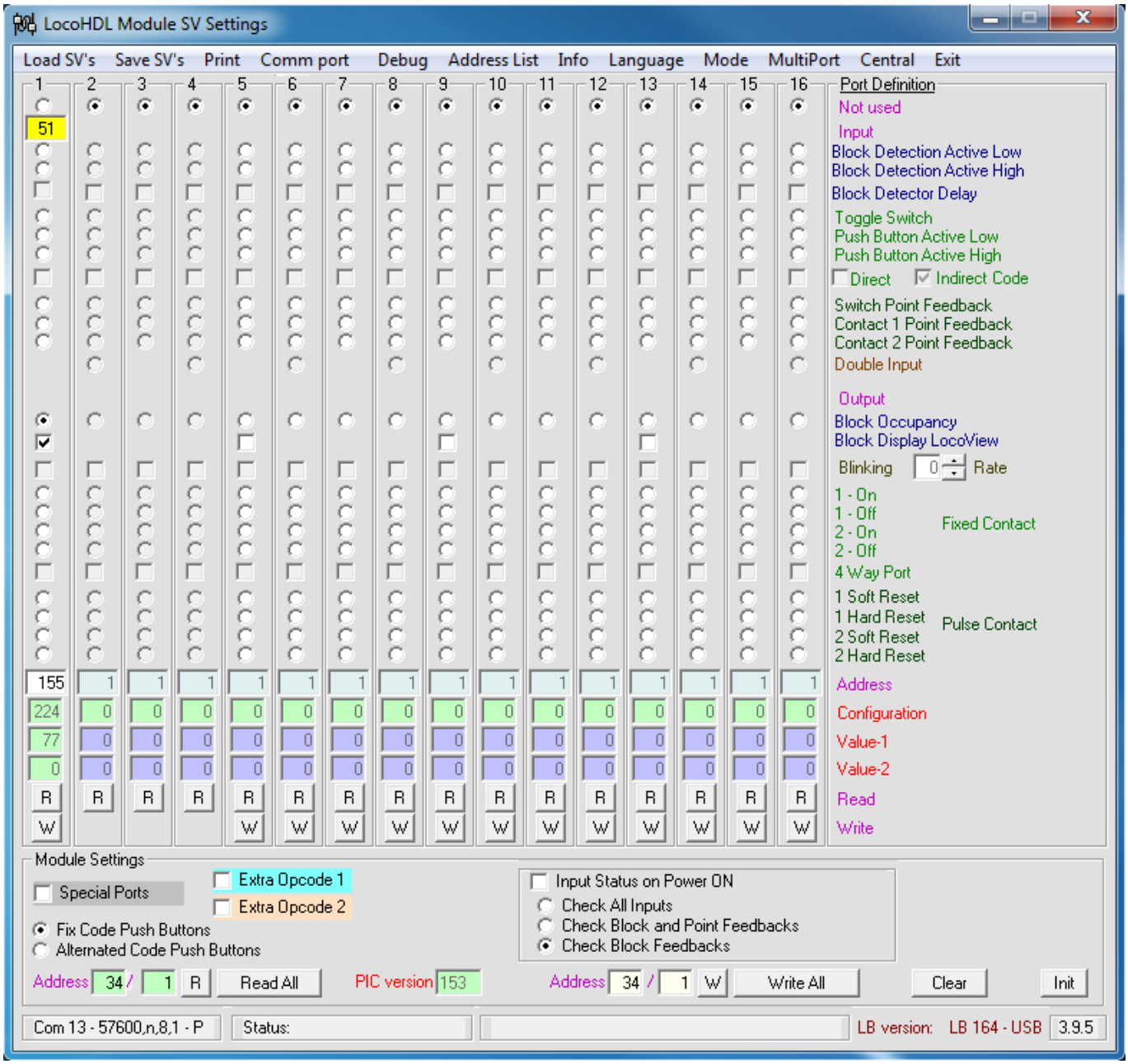
How on a Loco View a locomotive number appear?



Install a LocoRCD as close as possible to a block to avoid interference on Railcom.
Set the block in the LocoRCD be to a unique block address.

As an example block address 155. Locomotive number 51 is in block present.



A LocoView committing to a LocoIO connector J4 (port 1 to 4).
Set the port as a block Occupancy output and Block Display LocoView checkbox.
Fill in the address of the LocoRCD block of which you want to receive the locomotive address and on the Loco View wants to view.
As an example we had block address 155 and also here you see then that locomotive number 51.

The locomotive number is then indicated on the LocoView.