

## SCS – USERMANUAL

VERSION: 0.01

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### *How can I sneak around your license terms?*

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### *Repositories*

All our freely available information is found at two locations:

Various repositories on GitHub under the username "novski"

The Manuals on [vlrlab.com/support](http://vlrlab.com/support)

Read more at <http://vlrlab.com/about/licenses/>

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## 1. Standard Control Surface

The Standard Control Surface (SCS) enables you a bunch of modality without to have a PC for Config with you. So you can set a Midi Routing or choose a storage bank.

### 1.1. Connections

Its connected to the J15A for the Display side and to J10 for haptic I/O's. Which are 4 Buttons and a Encoder.

### 1.2. Electrical Specification

Supply Voltage: depends on your Display.

Power-consumption: depends on your Display.

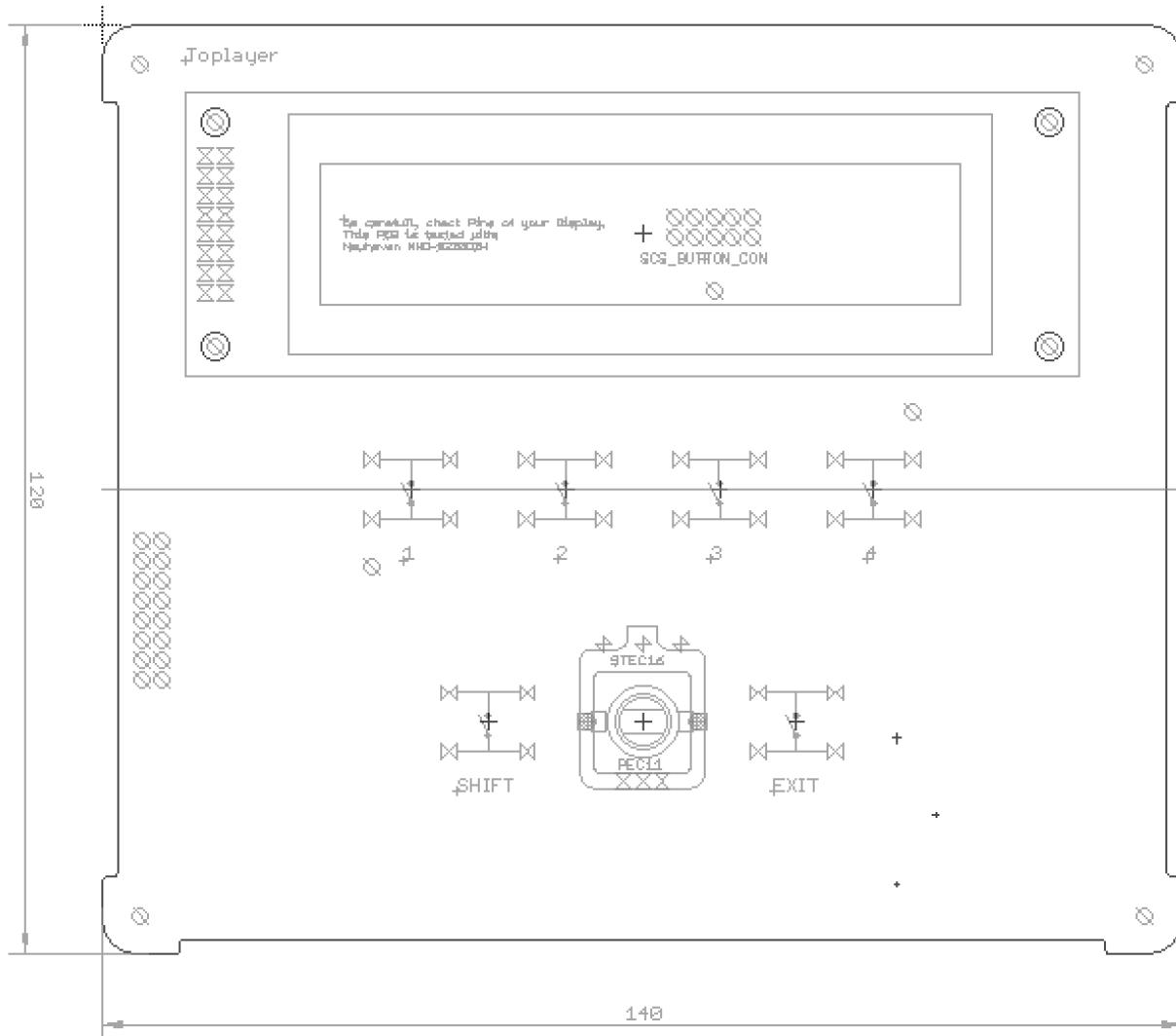
## 2. BOM

There is a Combo connection for two types of Encoders.

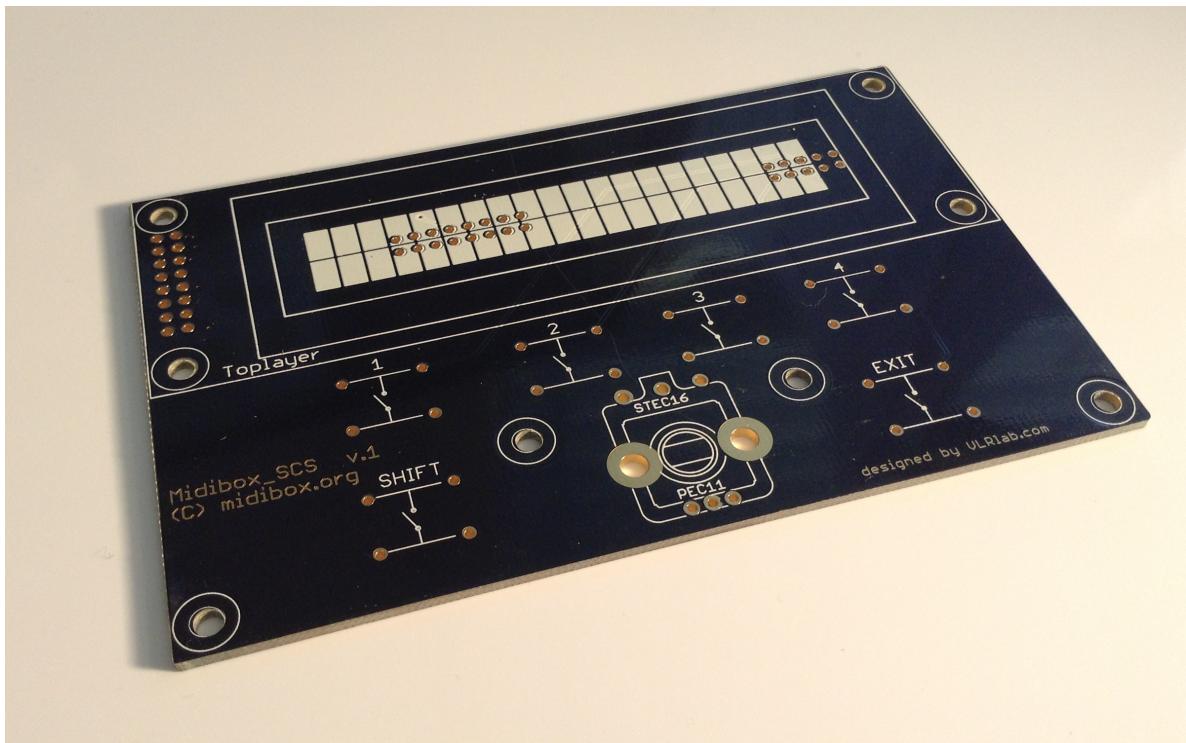
It is possible to choose from a Bourns PEL11 or a ALPS STEC16

PART	VALUE	DEVICE	PACKAGE	LIBRARY	SHEET
1	G3NOLED	G3NOLED	G3NOLED	Mec Switches	1
2	G3NOLED	G3NOLED	G3NOLED	Mec Switches	1
3	G3NOLED	G3NOLED	G3NOLED	Mec Switches	1
4	G3NOLED	G3NOLED	G3NOLED	Mec Switches	1
EXIT	G3NOLED	G3NOLED	G3NOLED	Mec Switches	1
J1	TO J15	ML16	ML16	con-ml	1
J2	To J10	ML10	ML10	con-ml	1
SCS_DISPLAY_CON	NHD-0220DZW-AY5	NHD-0220DZW-AY5	NHD-0220DZW-AY5	newheaven display	1
SHIFT	G3NOLED	G3NOLED	G3NOLED	Mec Switches	1
Enc	COMB	COMB	COMB_PEL11&STEC16	encoder	1

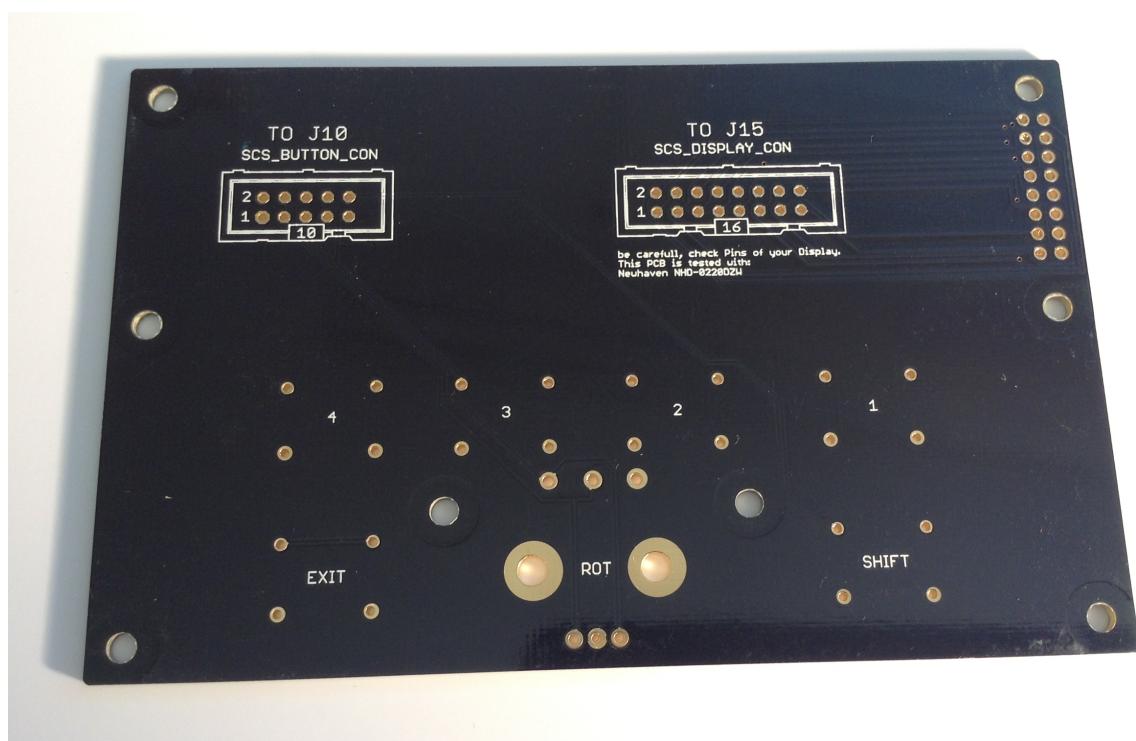
### 3. OUTLINES



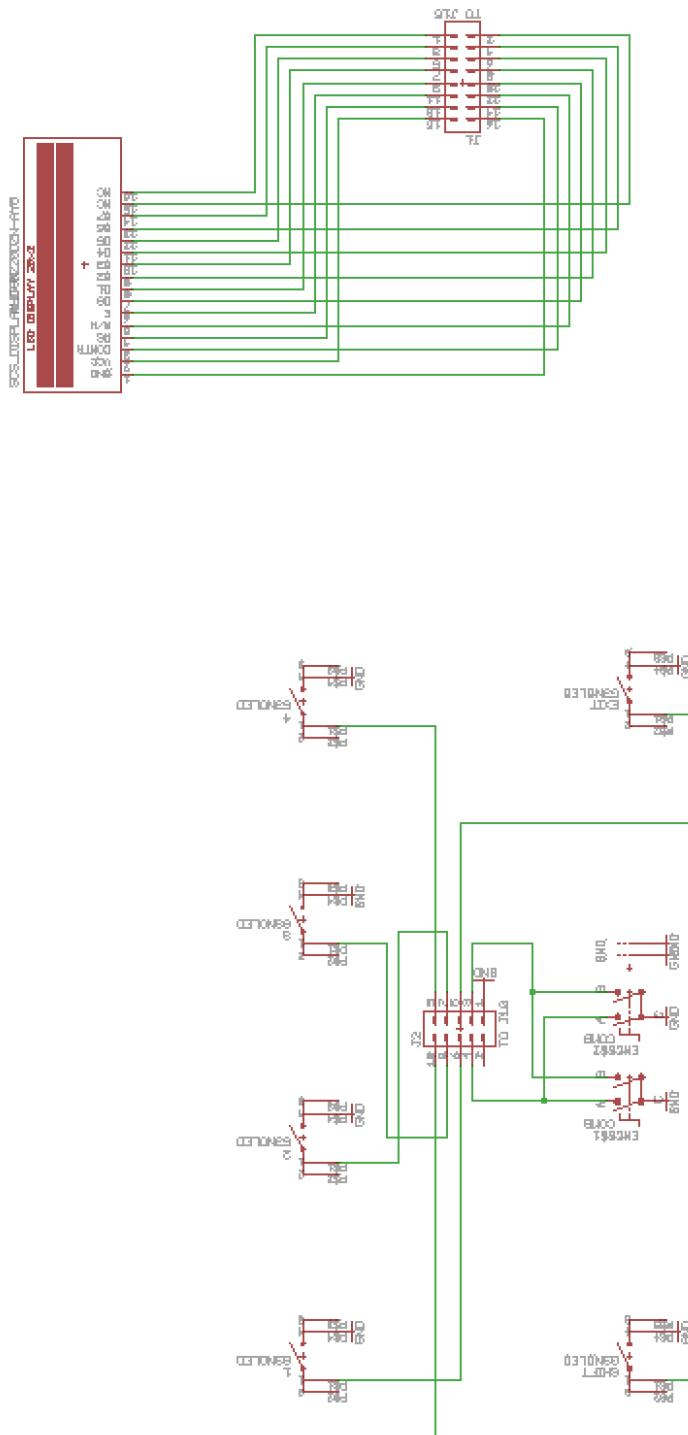
#### 4. FRONTVIEW



#### 5. REARVIEW



## 6. Schematics



## 7. Connection to Core

The connection to the core will be done by the J10A for Buttons and Encoders and the Display Header on J15A.

## 8. Config

### 1. MIOS

```
EVENT_BUTTON id= 1 type=Meta meta=ScsSoft1 range=0:1
EVENT_BUTTON id= 2 type=Meta meta=ScsSoft2 range=0:1
EVENT_BUTTON id= 3 type=Meta meta=ScsSoft3 range=0:1
EVENT_BUTTON id= 4 type=Meta meta=ScsSoft4 range=0:1
EVENT_BUTTON id= 5 type=Meta meta=ScsShift range=0:1
EVENT_BUTTON id= 6 type=Meta meta=ScsMenu range=0:1
```

# if dec/inc buttons should be used:

# DEC:

```
EVENT_BUTTON id= 7 type=Meta meta=ScsEnc range=63:63 button_mode=OnOnly
```

# INC:

```
EVENT_BUTTON id= 8 type=Meta meta=ScsEnc range=65:65 button_mode=OnOnly
```

# if a rotary encoder should be used:

```
ENC n= 1 sr= 15 pins=0:1 type=detented3
```

```
EVENT_ENC id= 1 type=Meta meta=ScsEnc range=0:127 enc_mode=40Speed
```