Front light unit.
Contains control for front lights (2x)
and outputs for turn indicators and horn.
BikeBus Address 1.

Handlebar unit.
Provides System input;
turn indicator, light controls
and horn button.
Also System Status Lights;
Turn, pos light, batt /OK and /NG
(4 LED:s in total)
BikeBus address 3

Rear (taillight) unit.
Contains transistors for rear lights, brake lights, turn indicators and side lights.
Houses 2 onboard LED:s, with a common resistor to replace the tail light circuit board.
And a BikeBus.
BikeBus Address: 2
Centerhole is 2.4mm,
Fixing holes are 2.6mm, 8mm apart equally spaced
across horisontal centerline from fixing hole,
at 33.5mm distance.
Max size is +/-40mm horisontal and +/-15mm vertical,
measured from center hole.

Pinout:
1: SideLight Right
2: SideLight Left
3: Horn
4: BrakeLight
5: Turn right
6: Turn Left
7: +5V
8: GRND

trailer controller unit.
Contains transistors for rear lights,
brake lights, turn indicators and side lights
aswell as front headlights.
Front headlights, side lights and rear lights are
also powered by secondary circuit, controlled by a
onboard switch; Lights ON (powered from local battery) or Lights Remote (powered remotely)
Houses 2 onboard LED:s, with a common resistor to replace the tail light circuit board.
And a BikeBus.
BikeBus Address: 4
Centerhole is 2.4mm,
Fixing holes are 2.6mm, 8mm apart equally spaced
across horisontal centerline from fixing hole,
at 33.5mm distance.
Max size is +/-40mm horisontal and +/-15mm vertical,
measured from center hole.

FBC=Front Board subCard.
Contains: Front Position lights,
front Extra Lights (high beam),
side lights and turn indicators.
Pinout as follows:
1=Front Pos Light
2=Front Extra Lights
3=SideLight Right
4=SideLight Left
5=Turn Indicator Right
6=Turn Indicator Left
7=+5V
8=GRND

Turn Indicator/Side Light SubCard
Sub-board output
to turn indicator assy
Pinout:
1=turn ind R
2=turn ind L
3=side light R
4=side light L
5=brakeLight
6=PosLight Rear
7=+5V
8=GRND

Secondary power
Pos1=Off
Pos2=Front Extra lights
Pos3=pos2+rear pos lights and sidelights.

Rear outer lights (flippable for both left/right)

Pinout on output header on other card:
1=turn ind R
2=turn ind L,
3=side light R
4=side light L
5=brakeLight
6=PosLight Rear
7=+5V
8=GRND

Pinout:
1=BrakeLight
2=Turn Indicator (flip)
3=poslight rear
4=Side Light (flip)
5=+5V

Turn indicators
Brake lights
Positional lights rear
Side light

Rear outer lights (mini) (flippable for both left/right)

Pinout on output header on other card:
1=turn ind R
2=turn ind L,
3=side light R
4=side light L
5=brakeLight
6=PosLight Rear
7=+5V
8=GRND

Pinout:
1=Turn Indicator (flip)
2=Side Light (flip)
3=BrakeLight
4=poslight rear
5=+5V
6=GRND

Turn indicators
Brake lights
Positional lights rear
Side light

BikeLight SubCard Turn Indicator (SOLO)
Pin1: 5V
Pin2: GRND

Trailer sub front
pinout:
1=Front Pos Light
2=Front Extra Lights
3=SideLight
4=Turn Indicator
5=+5V
6=GRND

HandleBar Light Module
Pins:
1:PosL-ON
2:BAT-NG
3:BAT-OK
4:Tind-ON
5:5V