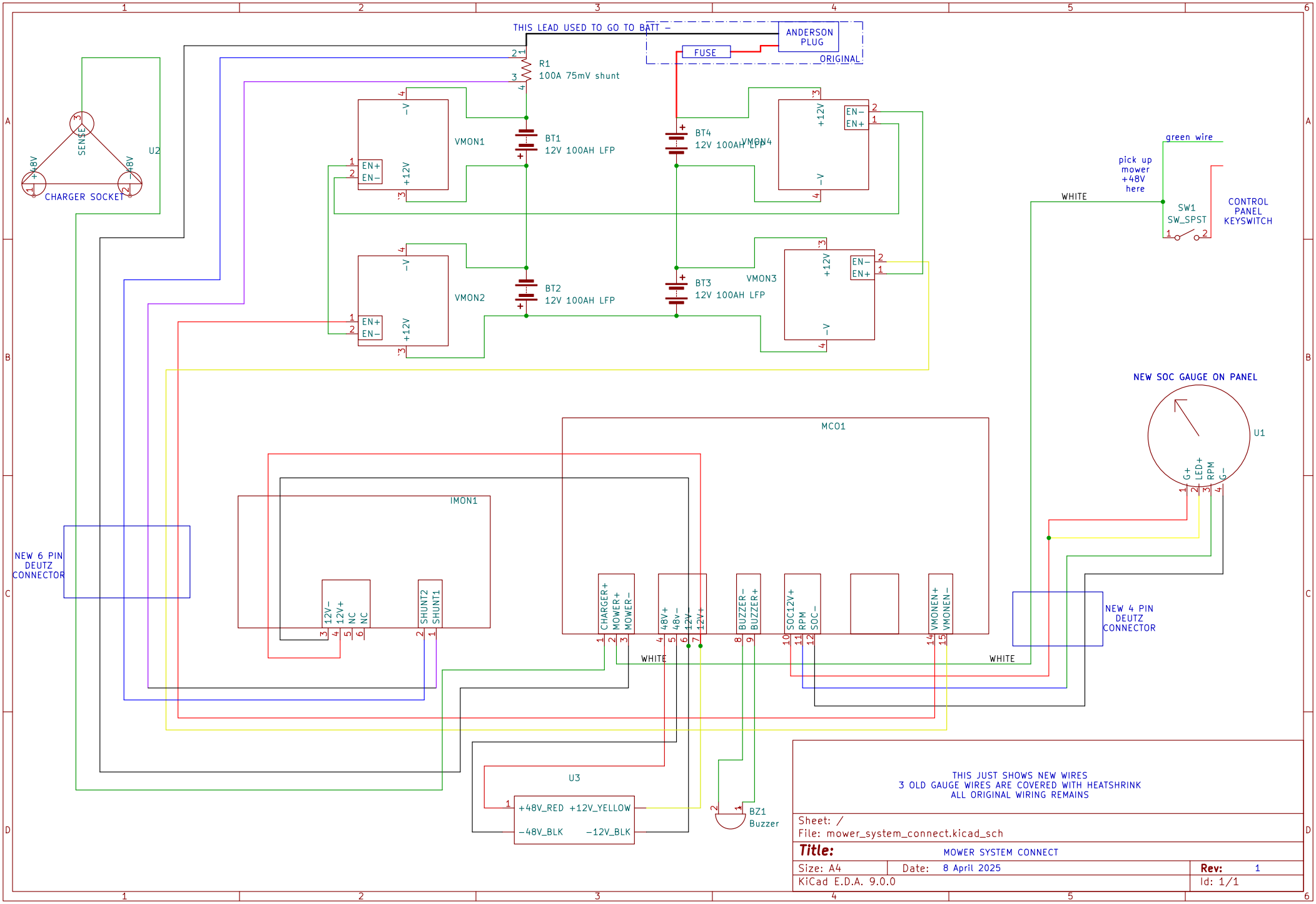
THIS LEAD USED TO GO TO BATT –
ANDERSON PLUG
FUSE
ORIGINAL
R1
100A 75mV shunt
U2
SENSE
+48V
–48V
CHARGER SOCKET
VMON1
EN+
EN–
+12V
–V
BT1
12V 100AH LFP
BT2
12V 100AH LFP
VMON2
BT4
12V 100AH LFP
VMON4
BT3
12V 100AH LFP
VMON3
EN–
EN+
green wire
pick up mower +48V here
WHITE
SW1
SW_SPST
CONTROL PANEL KEYSWITCH
NEW SOC GAUGE ON PANEL
U1
G+
LED+
RPM
G–
MCO1
IMON1
NEW 6 PIN DEUTZ CONNECTOR
12V–
12V+
NC
NC
SHUNT2
SHUNT1
CHARGER+
MOWER+
MOWER–
48V+
48v–
12V–
12V+
BUZZER–
BUZZER+
SOC12V+
RPM
SOC–
VMONEN+
VMONEN–
NEW 4 PIN DEUTZ CONNECTOR
WHITE
WHITE
U3
+48V_RED
+12V_YELLOW
–48V_BLK
–12V_BLK
BZ1
Buzzer
THIS JUST SHOWS NEW WIRES
3 OLD GAUGE WIRES ARE COVERED WITH HEATSHRINK
ALL ORIGINAL WIRING REMAINS
Sheet: /
File: mower_system_connect.kicad_sch
Title: MOWER SYSTEM CONNECT
Size: A4
Date: 8 April 2025
Rev: 1
KiCad E.D.A. 9.0.0
Id: 1/1