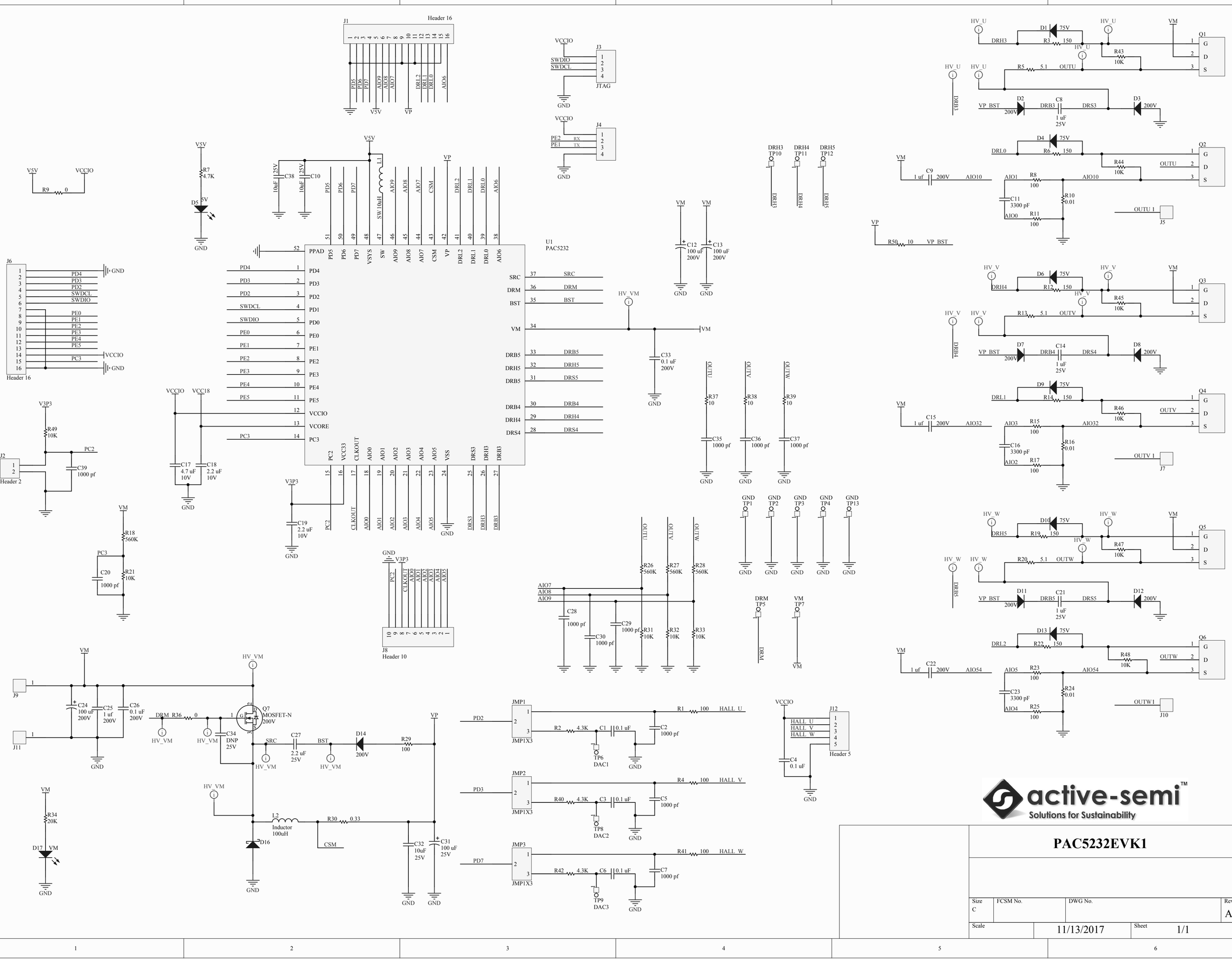
J1
Header 16
PD5
PD6
PD7
AIO9
AIO8
AIO7
DRL2
DRL1
DRL0
AIO6
V5V
VP
VCCIO
SWDIO
SWDCL
JTAG
GND
PE2 RX
PE1 TX
J4
R9 0
R7 4.7K
D5
C38 10uF 25V
C10 10uF 25V
L1 SW 10uH
U1
PAC5232
PPAD
PD1
PD0
PE0
PE1
PE2
PE3
PE4
PE5
VCORE
PC3
PC2
VCC33
CLKOUT
AIO0
AIO1
AIO2
AIO3
AIO4
AIO5
VSS
CSM
VM
SRC
DRM
BST
DRB5
DRH5
DRS5
DRB4
DRH4
DRS4
DRB3
DRH3
DRS3
J6
Header 16
J2
Header 2
R49 10K
C39 1000 pf
R18 560K
R21 10K
C20 1000 pf
C17 4.7 uF 10V
C18 2.2 uF 10V
C19 2.2 uF 10V
VCC18
V3P3
J8
Header 10
C12 100 uF 200V
C13 100 uF 200V
C33 0.1 uF 200V
HV_VM
DRH3 TP10
DRH4 TP11
DRH5 TP12
R37 10
R38 10
R39 10
C35 1000 pf
C36 1000 pf
C37 1000 pf
OUTU
OUTV
OUTW
R26 560K
R27 560K
R28 560K
C28 1000 pf
C29 1000 pf
C30 1000 pf
R31 10K
R32 10K
R33 10K
AIO7
AIO8
AIO9
GND TP1
GND TP2
GND TP3
GND TP4
GND TP13
DRM TP5
VM TP7
HV_U
HV_V
HV_W
D1 75V
D2 200V
D3 200V
D4 75V
D6 75V
D7 200V
D8 200V
D9 75V
D10 75V
D11 200V
D12 200V
D13 75V
D14 200V
DRH3
DRH4
DRH5
DRB3
DRB4
DRB5
DRS3
DRS4
DRS5
DRL0
DRL1
DRL2
VP_BST
R3 150
R4 150
R5 5.1
R6 150
R12 150
R13 5.1
R14 150
R19 150
R20 5.1
R22 150
R43 10K
R44 10K
R45 10K
R46 10K
R47 10K
R48 10K
OUTU
OUTV
OUTW
C9 1 uf 200V
C15 1 uf 200V
C21 1 uf 25V
C22 1 uf 200V
AIO10
AIO32
AIO54
R8 100
R10 0.01
R11 100
C11 3300 pF
R15 100
R16 0.01
R17 100
C16 3300 pF
R23 100
R24 0.01
R25 100
C23 3300 pF
AIO1
AIO0
AIO3
AIO2
AIO5
AIO4
OUTU 1
OUTV 1
OUTW1
J5
J7
J10
R50 10 VP_BST
J9
J11
C24 100 uF 200V
C25 1 uf 200V
C26 0.1 uF 200V
DRM R36 0
Q7 MOSFET-N 200V
C34 DNP 25V
C27 2.2 uF 25V
R29 100
L2 Inductor 100uH
R30 0.33
D16
C32 10uF 25V
C31 100 uF 25V
CSM
R34 20K
D17
JMP1
JMP2
JMP3
JMP1X3
PD2
PD3
PD7
R1 100 HALL_U
R4 100 HALL_V
R41 100 HALL_W
R2 4.3K
R40 4.3K
R42 4.3K
C1 0.1 uF
C3 0.1 uF
C6 0.1 uF
C2 1000 pf
C5 1000 pf
C7 1000 pf
TP6 DAC1
TP8 DAC2
TP9 DAC3
J12
Header 5
HALL_U
HALL_V
HALL_W
C4 0.1 uF
active-semi
Solutions for Sustainability
PAC5232EVK1
Size C
FCSM No.
DWG No.
Rev A
Scale
11/13/2017
Sheet 1/1