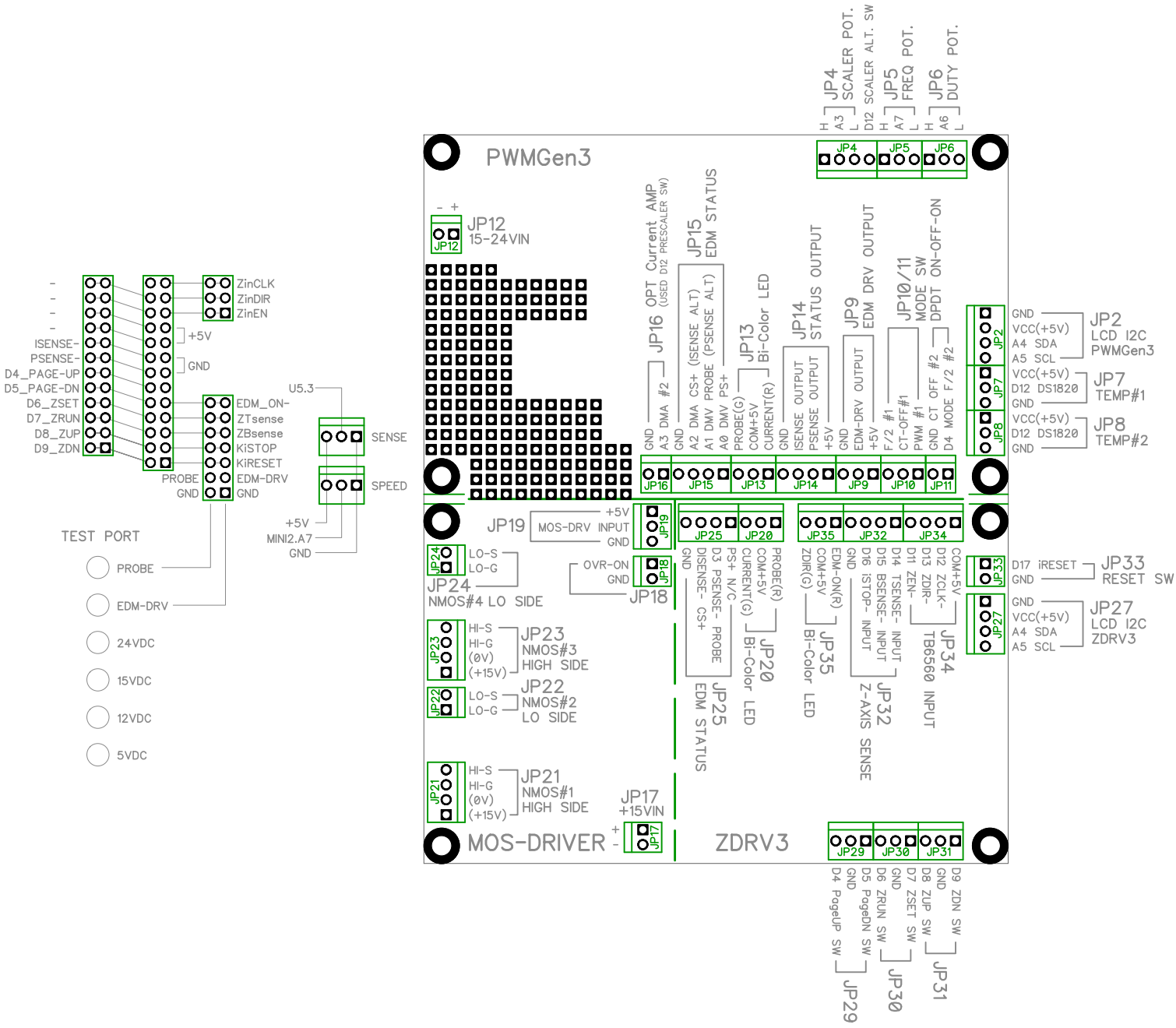
PWMGen3
MOS-DRIVER
ZDRV3
JP12 15-24VIN
JP16 OPT Current AMP (USED D12 PRESCALER SW)
GND
A3 DMA #2
GND
JP15 EDM STATUS
A2 DMA CS+ (ISENSE ALT)
A1 DMV PROBE (PSENSE ALT)
A0 DMV PS+
JP13 Bi-Color LED
PROBE(G)
COM+5V
CURRENT(R)
JP14 STATUS OUTPUT
GND
ISENSE OUTPUT
PSENSE OUTPUT
+5V
JP9 EDM DRV OUTPUT
GND
EDM-DRV OUTPUT
+5V
JP10/11 MODE SW DPDT ON-OFF-ON
F/2 #1
CT-OFF #1
PWM #1
GND CT OFF #2
D4 MODE F/2 #2
JP4 SCALER POT.
H A3 L
D12 SCALER ALT. SW
JP5 FREQ POT.
H A7 L
JP6 DUTY POT.
H A9 L
JP2 LCD I2C PWMGen3
GND
VCC(+5V)
A4 SDA
A5 SCL
JP7 TEMP#1
VCC(+5V)
D12 DS1820
GND
JP8 TEMP#2
VCC(+5V)
D12 DS1820
GND
JP19 MOS-DRV INPUT
+5V
GND
JP18
OVR-ON
GND
JP24 NMOS#4 LO SIDE
LO-S
LO-G
JP23 NMOS#3 HIGH SIDE
HI-S
HI-G
(0V)
(+15V)
JP22 NMOS#2 LO SIDE
LO-S
LO-G
JP21 NMOS#1 HIGH SIDE
HI-S
HI-G
(0V)
(+15V)
JP17 +15VIN
JP25 EDM STATUS
GND
DISENSE- CS+
D3 PSENSE- PROBE
PS+ N/C
JP20 Bi-Color LED
PROBE(R)
COM+5V
CURRENT(G)
JP35 Bi-Color LED
COM+5V
ZDIR(G)
JP32 Z-AXIS SENSE
EDM-ON(R)
GND
D16 iSTOP- INPUT
D15 BSENSE- INPUT
D14 TSENSE- INPUT
JP34 TB6560 INPUT
COM+5V
D12 ZCLK-
D13 ZDIR-
D11 ZEN-
JP33 RESET SW
D17 iRESET
GND
JP27 LCD I2C ZDRV3
GND
VCC(+5V)
A4 SDA
A5 SCL
JP29
D4 PageUP SW
GND
D5 PageDN SW
JP30
D6 ZRUN SW
GND
D7 ZSET SW
JP31
D8 ZUP SW
GND
D9 ZDN SW
ZinCLK
ZinDIR
ZinEN
+5V
GND
ISENSE-
PSENSE-
D4_PAGE-UP
D5_PAGE-DN
D6_ZSET
D7_ZRUN
D8_ZUP
D9_ZDN
EDM_ON-
ZTsense
ZBsense
KiSTOP
KiRESET
EDM-DRV
PROBE
GND
U5.3
SENSE
SPEED
+5V
MINI2.A7
GND
TEST PORT
PROBE
EDM-DRV
24VDC
15VDC
12VDC
5VDC