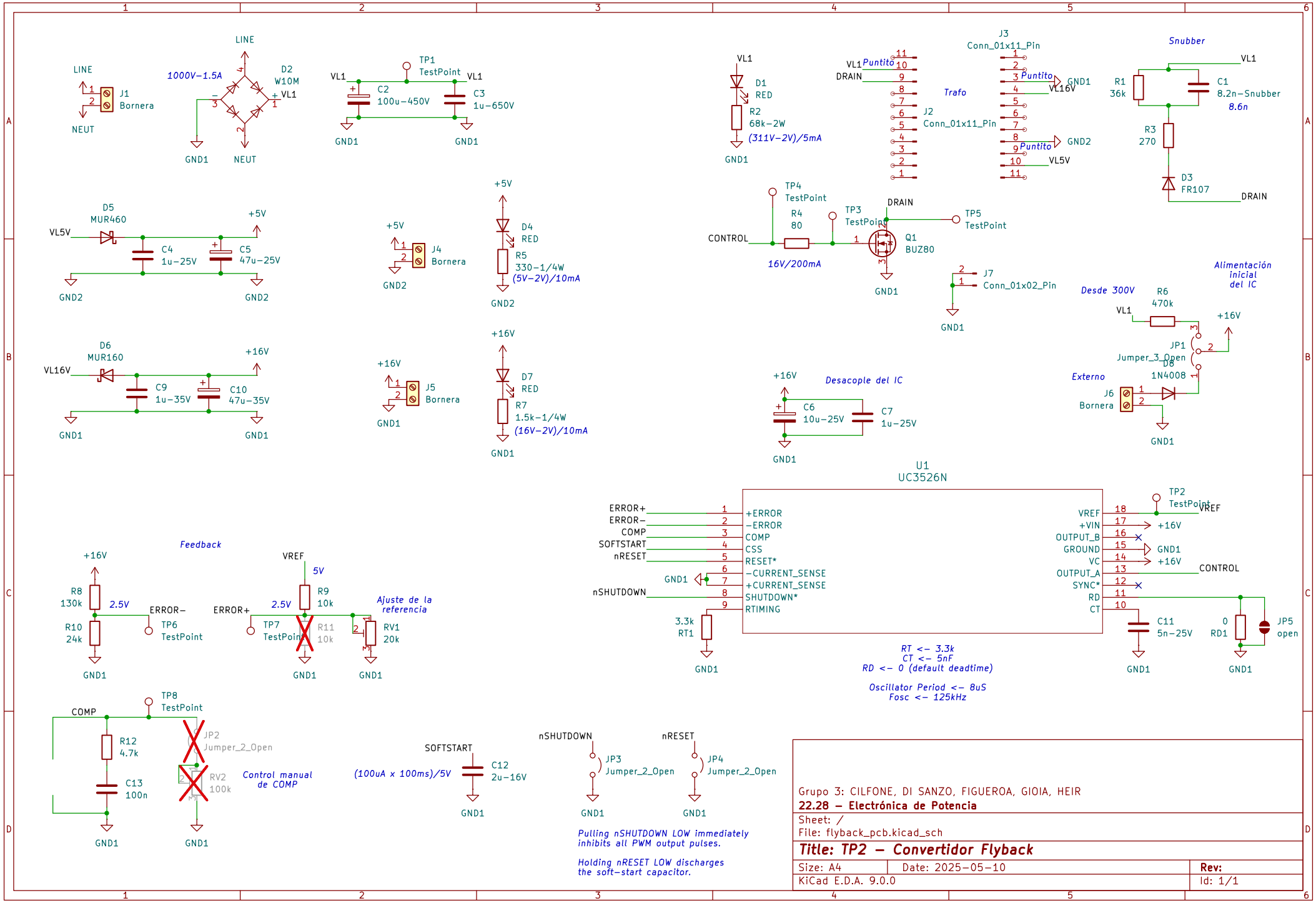
LINE
J1
Bornera
NEUT
1000V-1.5A
D2
W10M
LINE
VL1
GND1
NEUT
TP1
TestPoint
VL1
C2
100u-450V
C3
1u-650V
GND1
GND1
VL1
D1
RED
R2
68k-2W
(311V-2V)/5mA
GND1
VL1
DRAIN
Puntito
J2
Conn_01x11_Pin
Trafo
J3
Conn_01x11_Pin
Puntito
GND1
VL16V
Puntito
GND2
VL5V
Snubber
VL1
R1
36k
C1
8.2n-Snubber
8.6n
R3
270
D3
FR107
DRAIN
D5
MUR460
VL5V
+5V
C4
1u-25V
C5
47u-25V
GND2
GND2
+5V
J4
Bornera
GND2
+5V
D4
RED
R5
330-1/4W
(5V-2V)/10mA
GND2
TP4
TestPoint
R4
80
CONTROL
16V/200mA
TP3
TestPoint
DRAIN
TP5
TestPoint
Q1
BUZ80
GND1
J7
Conn_01x02_Pin
GND1
D6
MUR160
VL16V
+16V
C9
1u-35V
C10
47u-35V
GND1
GND1
+16V
J5
Bornera
GND1
+16V
D7
RED
R7
1.5k-1/4W
(16V-2V)/10mA
GND1
+16V
Desacople del IC
C6
10u-25V
C7
1u-25V
GND1
Desde 300V
R6
470k
VL1
+16V
Alimentación
inicial
del IC
JP1
Jumper_3_Open
D8
1N4008
Externo
J6
Bornera
GND1
U1
UC3526N
ERROR+
ERROR−
COMP
SOFTSTART
nRESET
GND1
nSHUTDOWN
3.3k
RT1
GND1
+ERROR
−ERROR
COMP
CSS
RESET*
−CURRENT_SENSE
+CURRENT_SENSE
SHUTDOWN*
RTIMING
VREF
+VIN
OUTPUT_B
GROUND
VC
OUTPUT_A
SYNC*
RD
CT
TP2
TestPoint
VREF
+16V
GND1
+16V
CONTROL
C11
5n-25V
GND1
0
RD1
GND1
JP5
open
RT <- 3.3k
CT <- 5nF
RD <- 0 (default deadtime)
Oscillator Period <- 8uS
Fosc <- 125kHz
Feedback
+16V
R8
130k
2.5V
ERROR−
R10
24k
TP6
TestPoint
GND1
VREF
5V
R9
10k
2.5V
ERROR+
TP7
TestPoint
R11
10k
Ajuste de la
referencia
RV1
20k
GND1
GND1
TP8
TestPoint
COMP
R12
4.7k
C13
100n
GND1
JP2
Jumper_2_Open
RV2
100k
Control manual
de COMP
GND1
SOFTSTART
(100uA x 100ms)/5V
C12
2u-16V
GND1
nSHUTDOWN
JP3
Jumper_2_Open
GND1
nRESET
JP4
Jumper_2_Open
GND1
Pulling nSHUTDOWN LOW immediately
inhibits all PWM output pulses.
Holding nRESET LOW discharges
the soft-start capacitor.
Grupo 3: CILFONE, DI SANZO, FIGUEROA, GIOIA, HEIR
22.28 – Electrónica de Potencia
Sheet: /
File: flyback_pcb.kicad_sch
Title: TP2 – Convertidor Flyback
Size: A4
Date: 2025-05-10
Rev:
KiCad E.D.A. 9.0.0
Id: 1/1