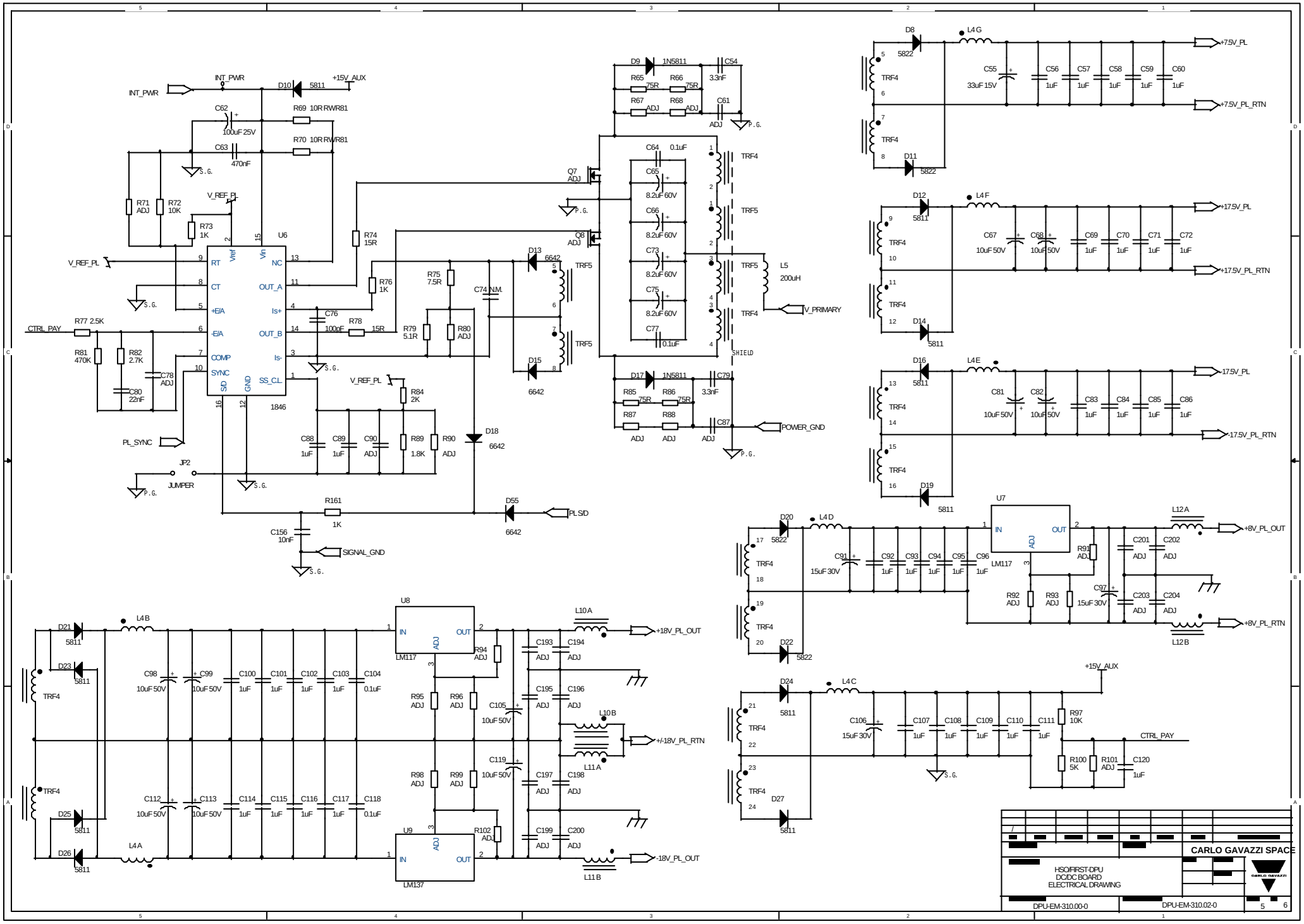
INT_PWR
+15V_AUX
D10 5811
C62 100uF 25V
C63 470nF
R69 10R RWR81
R70 10R RWR81
R71 ADJ
R72 10K
R73 1K
V_REF_PL
U6
1846
RT
CT
+E/A
-E/A
COMP
SYNC
S/D
GND
Vref
Vin
NC
OUT_A
Is+
OUT_B
Is-
SS_CL
R74 15R
R76 1K
R75 7.5R
R79 5.1R
R80 ADJ
C74 N.M.
C76 100pF
R78 15R
CTRL_PAY
R77 2.5K
R81 470K
R82 2.7K
C78 ADJ
C80 22nF
PL_SYNC
JP2
JUMPER
R84 2K
C88 1uF
C89 1uF
C90 ADJ
R89 1.8K
R90 ADJ
D18 6642
D13 6642
D15 6642
R161 1K
C156 10nF
SIGNAL_GND
D55 6642
PLS/D
D9 1N5811
R65 75R
R66 75R
R67 ADJ
R68 ADJ
C54 3.3nF
C61 ADJ
Q7 ADJ
Q8 ADJ
C64 0.1uF
C65 8.2uF 60V
C66 8.2uF 60V
C73 8.2uF 60V
C75 8.2uF 60V
C77 0.1uF
TRF4
TRF5
L5 200uH
V_PRIMARY
SHIELD
D17 1N5811
R85 75R
R86 75R
R87 ADJ
R88 ADJ
C79 3.3nF
C87 ADJ
POWER_GND
D8 5822
L4G
C55 33uF 15V
C56 1uF
C57 1uF
C58 1uF
C59 1uF
C60 1uF
+7.5V_PL
+7.5V_PL_RTN
D11 5822
D12 5811
L4F
C67 10uF 50V
C68 10uF 50V
C69 1uF
C70 1uF
C71 1uF
C72 1uF
+17.5V_PL
+17.5V_PL_RTN
D14 5811
D16 5811
L4E
C81 10uF 50V
C82 10uF 50V
C83 1uF
C84 1uF
C85 1uF
C86 1uF
-17.5V_PL
-17.5V_PL_RTN
D19 5811
D20 5822
L4D
C91 15uF 30V
C92 1uF
C93 1uF
C94 1uF
C95 1uF
C96 1uF
U7
LM117
IN
OUT
ADJ
R91 ADJ
R92 ADJ
R93 ADJ
C97 15uF 30V
C201 ADJ
C202 ADJ
C203 ADJ
C204 ADJ
L12A
L12B
+8V_PL_OUT
+8V_PL_RTN
D22 5822
D21 5811
L4B
D23 5811
C98 10uF 50V
C99 10uF 50V
C100 1uF
C101 1uF
C102 1uF
C103 1uF
C104 0.1uF
U8
LM117
R94 ADJ
R95 ADJ
R96 ADJ
C105 10uF 50V
C193 ADJ
C194 ADJ
C195 ADJ
C196 ADJ
L10A
L10B
L11A
+18V_PL_OUT
+/-18V_PL_RTN
D25 5811
D26 5811
L4A
C112 10uF 50V
C113 10uF 50V
C114 1uF
C115 1uF
C116 1uF
C117 1uF
C118 0.1uF
U9
LM137
R98 ADJ
R99 ADJ
R102 ADJ
C119 10uF 50V
C197 ADJ
C198 ADJ
C199 ADJ
C200 ADJ
L11B
-18V_PL_OUT
D24 5811
L4C
C106 15uF 30V
C107 1uF
C108 1uF
C109 1uF
C110 1uF
C111 1uF
R97 10K
R100 5K
R101 ADJ
C120 1uF
D27 5811
CARLO GAVAZZI SPACE
HSO/FIRST-DPU
DC/DC BOARD
ELECTRICAL DRAWING
DPU-EM-310.00-0
DPU-EM-310.02-0