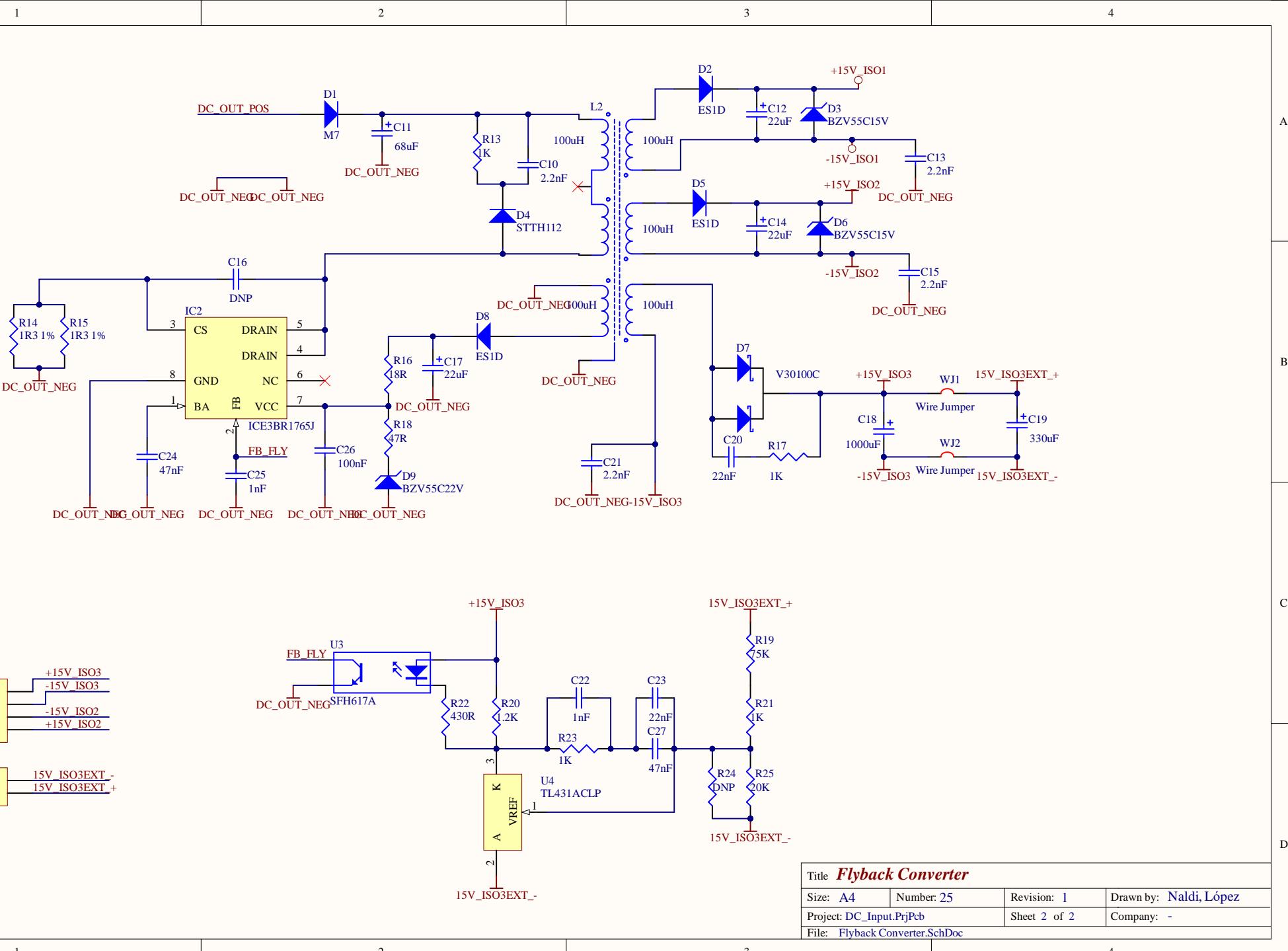
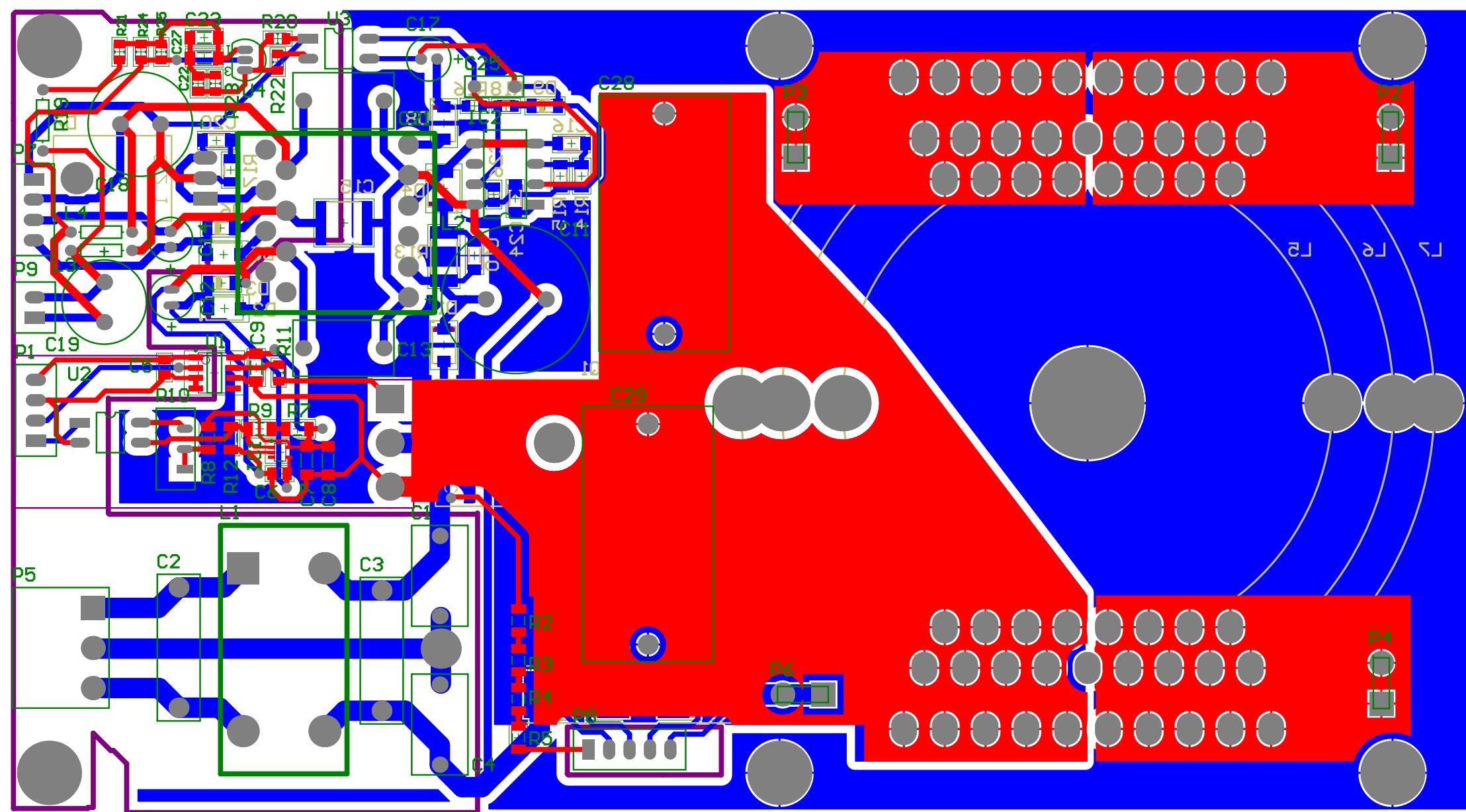


Title Main			
Size: A4	Number: 25	Revision: 1	Drawn by: Naldi, López
Project: DC_Input.PrtPcb		Sheet 1 of 2	
File: Main.SchDoc		Company: -	





Comment	Description	Value	Quantity	Designator
Faston 5mm PCB	Faston 5mm PCB		4	P2, P3, P4, P6
Resistor SMD 1206	Resistor SMD 1206	0R	4	R2, R3, R4, R5
TDK CD12-E2GA222MYNS	Safety Standard Certified Ceramic Y1 2.2nF 250Vac	2.2nF	4	C1, C4, C13, C21
Coupled Inductors	Coupled Inductors with Ferrite core and Air gap	10mH	3	L5, L6, L7
EPCOS B41827A6226M000	ALUMINUM ELECTROLYTIC 22UFX50V	22uF	3	C12, C14, C17
ES1D	Ultrafast rectifier 1A 200V		3	D2, D5, D8
BZV55C15V	Zener Diode 15V 0.5W		2	D3, D6
EPCOS B32794D2106	MKP AC Filtering 10uF 630Vdc	10uF	2	C28, C29
EPCOS B32922C3104	MKP EMI suppression X2 100nF 305Vac	100nF	2	C2, C3
EPCOS B37872K5223K60	Ceramic Multilayer 22nF 50Vdc X7R	22nF	2	C20, C23
EPCOS CL31B473KBCNNNC	Ceramic Multilayer 47nF 50Vdc X7R	47nF	2	C24, C27
Resistor SMD 0805	Resistor SMD 0805	1K	2	R21, R23
Resistor SMD 1206	Resistor SMD 1206	1R3 1%	2	R14, R15
Shunt Resistor Kelvin	Shunt Resistor Kelvin	20m	2	R1, R6
2 Primary, 3 Secondary, Shield	Coupled Inductors with Ferrite Core		1	L2
BZV55C22V	Zener Diode 22V 0.5W		1	D9
Coupled Inductors	Bourns Common mode inductor 10A 1mH 8108-RC	1mH	1	L1
EPCOS B32529C0102K000	MKT General purpose 1nF 63Vdc	1nF	1	C25
EPCOS B37871K5221J60	Ceramic Multilayer 50Vdc COG	DNP	1	C16
EPCOS B37940K51102J60	Ceramic Multilayer 1nF 50Vdc COG	1nF	1	C22
EPCOS B41856A5108M000	Aluminum Electrolytic Low Impedance 105 °C 1000uF x 25V	1000uF	1	C18
EPCOS B41856A5337M008	Aluminum Electrolytic Low Impedance 105 °C 330uF x 25V	330uF	1	C19
EPCOS C2012X7R1H104K	Ceramic Multilayer 100nF 50Vdc X7R	100nF	1	C26
ICE3BR1765J	Off-Line SMPS Current Mode Controller with integrated 650V CoolMOS® and Startup cell (frequency jitter Mode)		1	IC2
IPx65R110CFD	Infineon Power MOSFET N-Channel 650V 31.2A		1	Q1
M7	1A 1000V SMA		1	D1
MURATA GA355QR7GF222KW01L	Safety Standard Certified Ceramic Y2 2.2nF 250Vac	2.2nF	1	C15
Resistor SMD 0805	Resistor SMD 0805	1.2K	1	R20
Resistor SMD 0805	Resistor SMD 0805	18R	1	R16
Resistor SMD 0805	Resistor SMD 0805	20K	1	R25
Resistor SMD 0805	Resistor SMD 0805	47R	1	R18
Resistor SMD 0805	Resistor SMD 0805	430R	1	R22
Resistor SMD 0805	Resistor SMD 0805	DNP	1	R24
Resistor SMD 1206	Resistor SMD 1206	1K	1	R17
Resistor SMD 2512	Resistor SMD 2512 1W	1K	1	R13
Resistor Through-hole	Resistor 1/4W 5%	75K	1	R19
RUBYCON 400BX68MEFC18X25	MINIATURE ALUMINUM ELECTROLYTIC 68uF 400V 105°C	68uF	1	C11
SFH617A	Phototransistor Output, High Reliability, 5300 VRMS, 110 °C Rated		1	U3
STTH112	High voltage ultrafast rectifier		1	D4
TDK C3216C0G2J222J115AA	Ceramic Multilayer 2.2nF 630Vdc COG	2.2nF	1	C10
TL431ACLP	Adjustable Precision Shunt Regulator		1	U4
V30100C	Trench MOS Barrier Schottky Rectifier 2x 15A 100V		1	D7
WF-2	Header, 2-Pin, 2.54mm pitch		1	P9
WF-4	Header, 4-Pin, 2.54mm pitch		1	P7
WF-5	Header, 5-Pin, 2.54mm pitch		1	P8
XY2500R-A-3P	HEADER 3P 90gra P/Cl P=5MM		1	P5