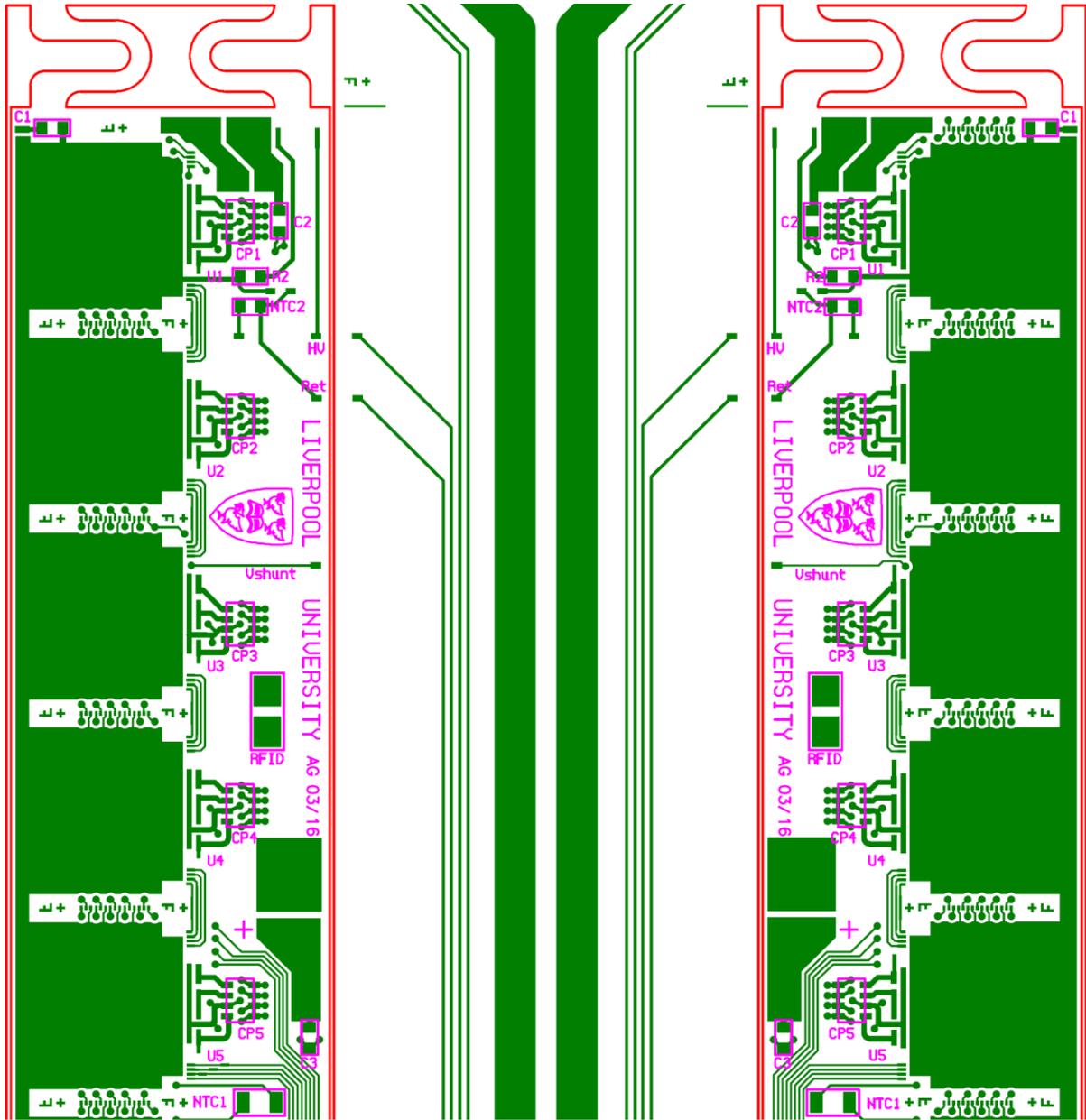
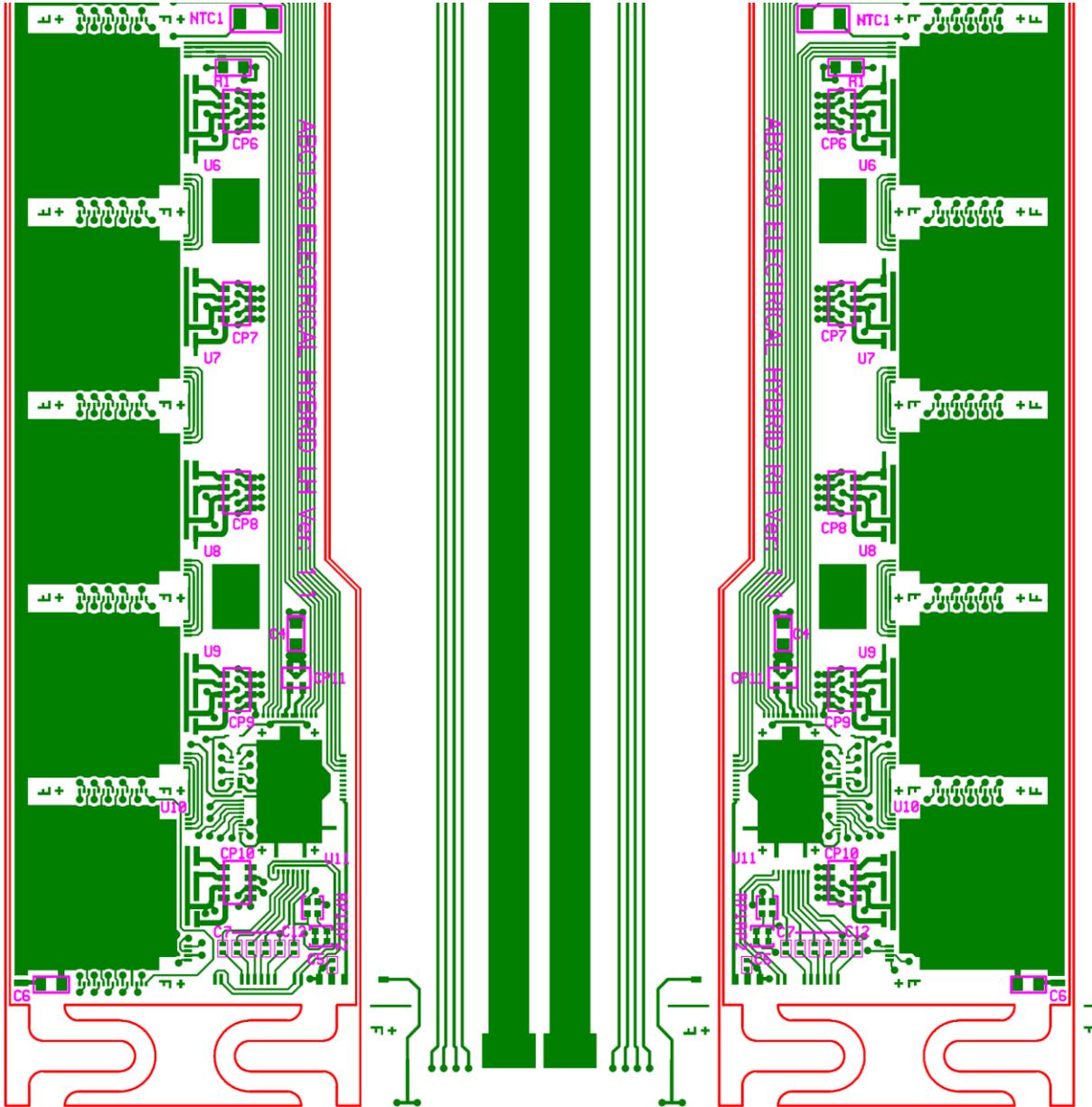


## ABC130 / HCC V1.1 population with passive components





Component	Value	Description
CP1 – CP10	0.1uF X7R 0508; Capacitor array	ASIC decoupling
CP11	0.1uF JB 0504; Capacitor array	HCC decoupling
C1		Serial Powering (SP) reference point
C2, C3, C4	10uF X5R 0402	Power entry decoupling
C5		AC coupling reference (for SP)
C6		Like C1
C7 – C12	220pF 0201	AC coupling of HCC
R1	1kOhm 0402	Voltage for NTC (voltage divider)
R2		Isolation resistor for HV return (default 0)
RP1	33kOhm 0302; Resistor array	Define common mode for BCO of HCC
RP2	10kOhm 0302; Resistor array	
RPN1		R3L1 differential impedance
RPN2		LOCom differential impedance
RPN3		BCO differential impedance
NTC1		Temperature measurement, centre of hybrid
NTC2		Temperature measurement, close to HV connection of hybrid
RFID		RFID of hybrid
RFIDTC		RFID of test coupon
RFIDPN		RFID of panel
LKPN1 – LKPN7		Possible isolation for different hybrids (common ground if set to 0)
PN1		Connector on panel
PN2		Connector on panel