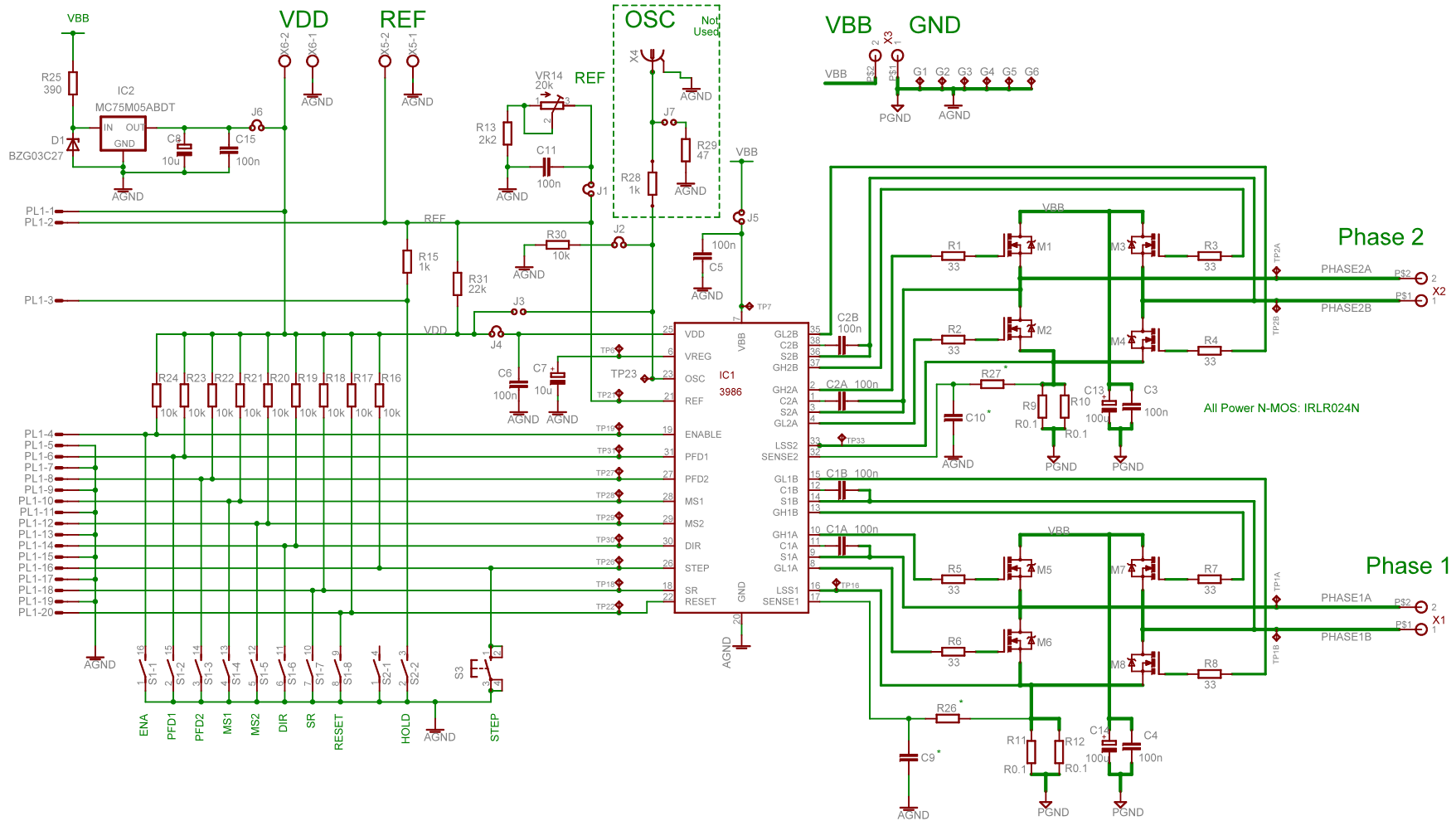


A3986

Stepper Motor FET Driver

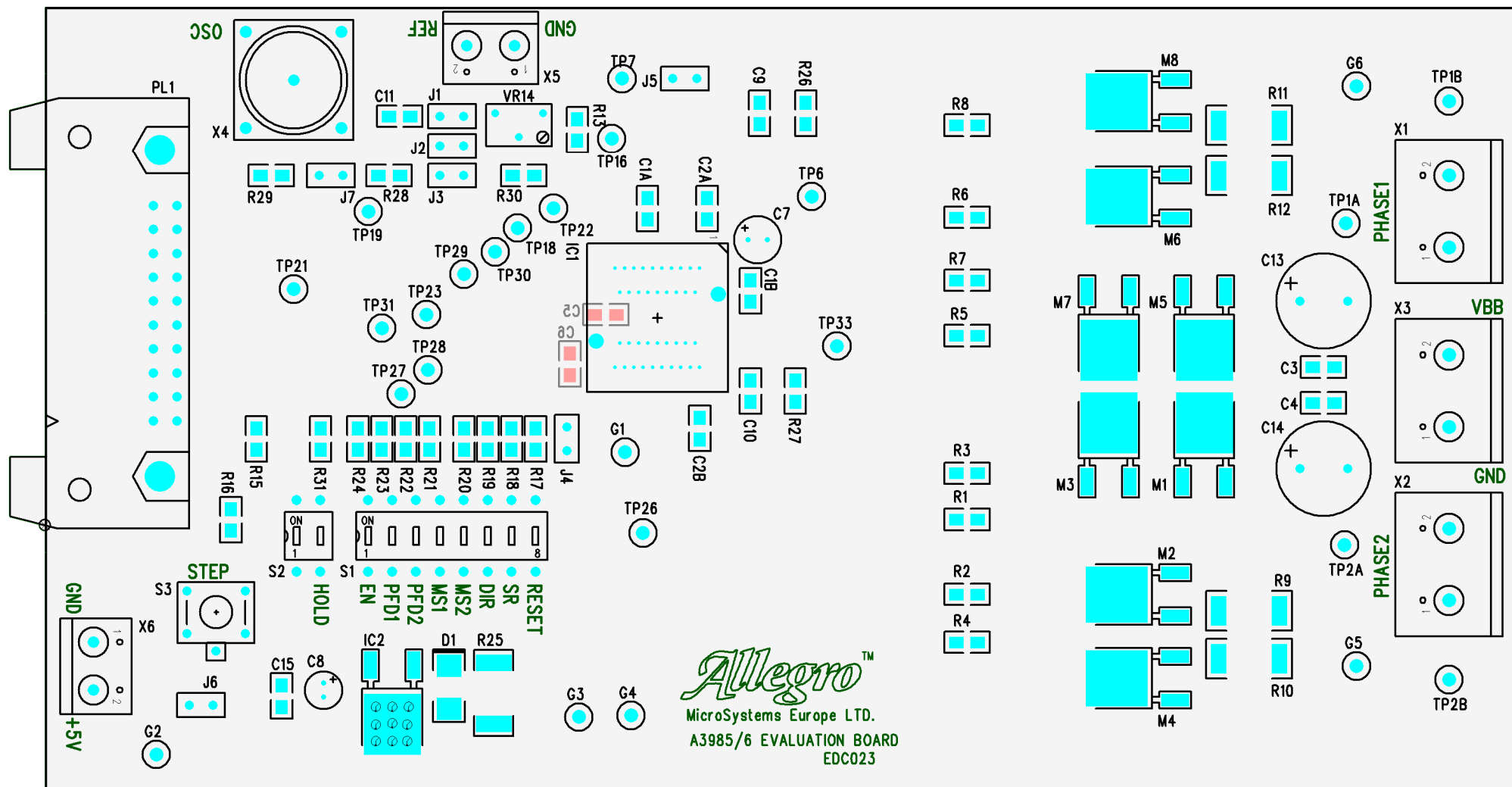
Customer Demo Board

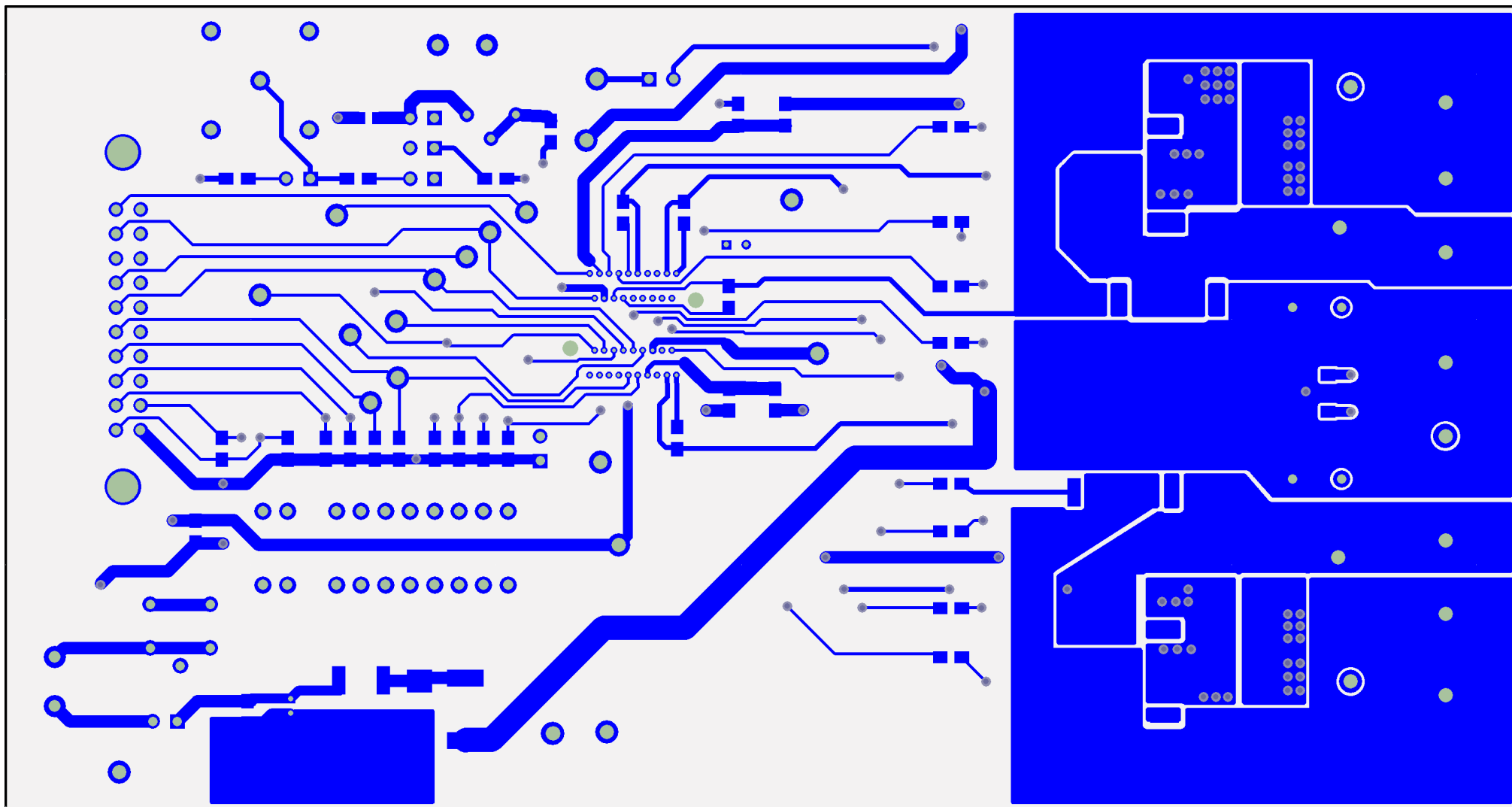


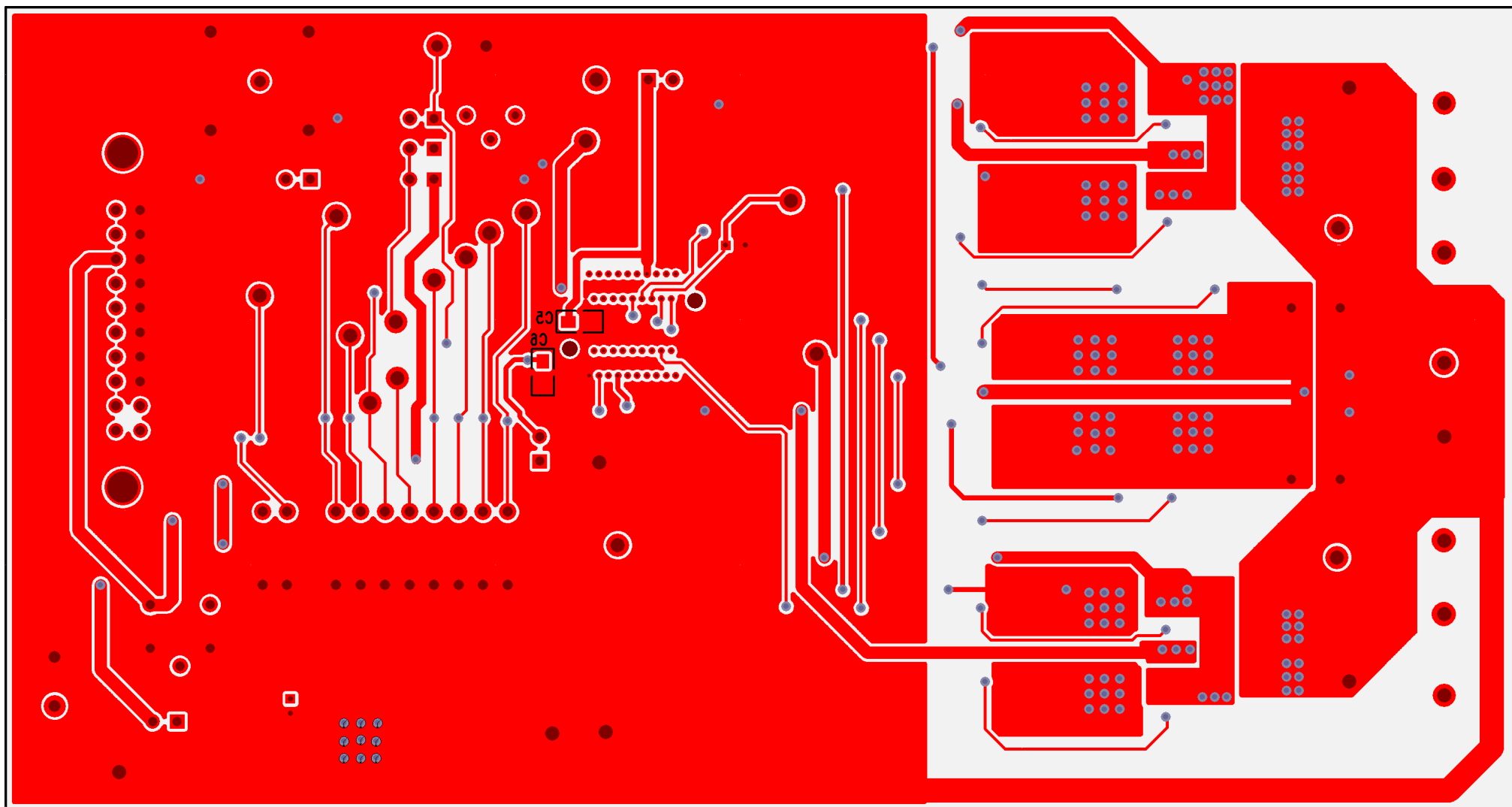
* C9,C10 not fitted.
R27,R27 Wire link

Allegro
MICROSYSTEMS EUROPE LTD

bchristie@allegromicro.com	
3986 Demo	
28/07/2006 18:24:17	
>SHEET:	A2







A3985/86 Demo Board Component List

Part	Value	Description	Package	RS Part
C1A	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C1B	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C2A	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C2B	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C3	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C4	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C5	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C6	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C7	10u	Alu, El'ytic, 35V 105C	5 / 2mm	414-9064
C8	10u	Alu, El'ytic, 16V 105C	4 / 1.5mm	414-9008
C9	Not Fitted	Capacitor, ceramic, 50V	SMT 0805	
C10	Not Fitted	Capacitor, ceramic, 50V	SMT 0805	
C11	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
C13	100u	Alu, Low R, El'ytic, 63V, 105C	10 / 5mm	315-0962
C14	100u	Alu, Low R, El'ytic, 63V, 105C	10 / 5mm	315-0962
C15	100n	Chip capacitor, ceramic, 50V	SMT 0805	464-6688
D1	BZG03C27	Zener Diode, 27V	SMA	447-2774
DUT	A3985	Dual H/Stepper FET Driver	38TSSOP Socket	
IC2	MC78M05ABDT	Linear 5V regulator	D-PAK	444-9386
M1	IRLR024N	Power MOSFET	D-PAK	244-9429
M2	IRLR024N	Power MOSFET	D-PAK	244-9429
M3	IRLR024N	Power MOSFET	D-PAK	244-9429
M4	IRLR024N	Power MOSFET	D-PAK	244-9429
M5	IRLR024N	Power MOSFET	D-PAK	244-9429
M6	IRLR024N	Power MOSFET	D-PAK	244-9429
M7	IRLR024N	Power MOSFET	D-PAK	244-9429
M8	IRLR024N	Power MOSFET	D-PAK	244-9429
PL1		IDC Connector, 20way, 3M	90deg	121-0731
X1		Phoenix 2way Srew terminal	7.62mm	189-5966
X2		Phoenix 2way Srew terminal	7.62mm	189-5966
X3		Phoenix 2way Srew terminal	7.62mm	189-5966
X4		BNC Socket, PCB, Square	Square 10mm	360-4734
X5		Phoenix 2way Srew terminal	5.08mm	425-8720
X6		Phoenix 2way Srew terminal	5.08mm	425-8720

Part	Value	Description	Package	RS Part
R1	33	Chip Resistor	SMT 0805	223-0225
R2	33	Chip Resistor	SMT 0805	223-0225
R3	33	Chip Resistor	SMT 0805	223-0225
R4	33	Chip Resistor	SMT 0805	223-0225
R5	33	Chip Resistor	SMT 0805	223-0225
R6	33	Chip Resistor	SMT 0805	223-0225
R7	33	Chip Resistor	SMT 0805	223-0225
R8	33	Chip Resistor	SMT 0805	223-0225
R9	0.1	1W Chip Resistor	SMT 2512	223-0972
R10	0.1	1W Chip Resistor	SMT 2512	223-0972
R11	0.1	1W Chip Resistor	SMT 2512	223-0972
R12	0.1	1W Chip Resistor	SMT 2512	223-0972
R13	2k2	Chip Resistor	SMT 0805	223-0477
VR14	20k	Multiturn Cermet Trim Resistor	6mm	187-236
R15	1k	Chip Resistor	SMT 0805	223-0427
R16	10k	Chip Resistor	SMT 0805	223-0562
R17	10k	Chip Resistor	SMT 0805	223-0562
R18	10k	Chip Resistor	SMT 0805	223-0562
R19	10k	Chip Resistor	SMT 0805	223-0562
R20	10k	Chip Resistor	SMT 0805	223-0562
R21	10k	Chip Resistor	SMT 0805	223-0562
R22	10k	Chip Resistor	SMT 0805	223-0562
R23	10k	Chip Resistor	SMT 0805	223-0562
R24	10k	Chip Resistor	SMT 0805	223-0562
R25	390	Resistor, 1 watt	SMT 2512	224-0351
R26	Wire Link	Chip Resistor	SMT 0805	
R27	Wire Link	Chip Resistor	SMT 0805	
R28	1k	Chip Resistor	SMT 0805	223-0427
R29	47	Chip Resistor	SMT 0805	223-0253
R30	10k	Chip Resistor	SMT 0805	223-0562
R31	22k	Chip Resistor	SMT 0805	223-0607
S1		DIP Switch, 8-pole	DIL-16	342-118
S2		DIP Switch, 2-pole	DIL-4	342-095
S3		Switch, Tactile Push	6mm	378-6410