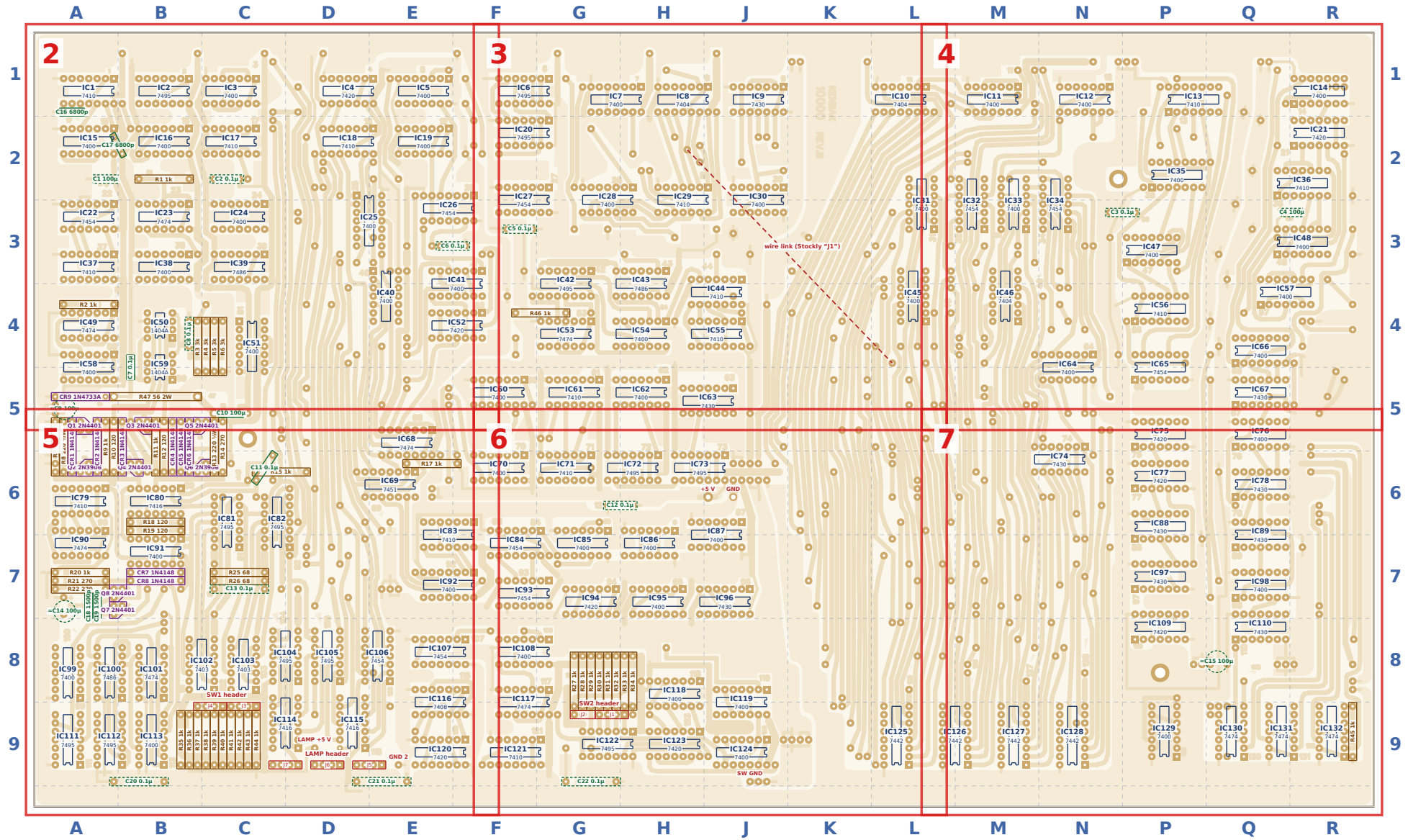
KENBAK-1 reproduction board — assembly drawing (component side)

Every part labelled upright: designator, chip type or value. Zoom in on screen (vector), or print sheets 2–7 (one per numbered rectangle). Parts index on the last sheets.



Colours: chips blue · resistors brown · capacitors green · diodes (CR) and transistors (Q) purple · connectors red.

Chip numbers = the numbers etched in the board copper = IC numbers in the BOM and Stockly's guide (the silkscreen calls them U).

Pin 1: the notch in each chip outline and the square pad. IC50 and IC59 are the 1404A memories on DIP-8 pads (Volume 12: can pin n to pad n).

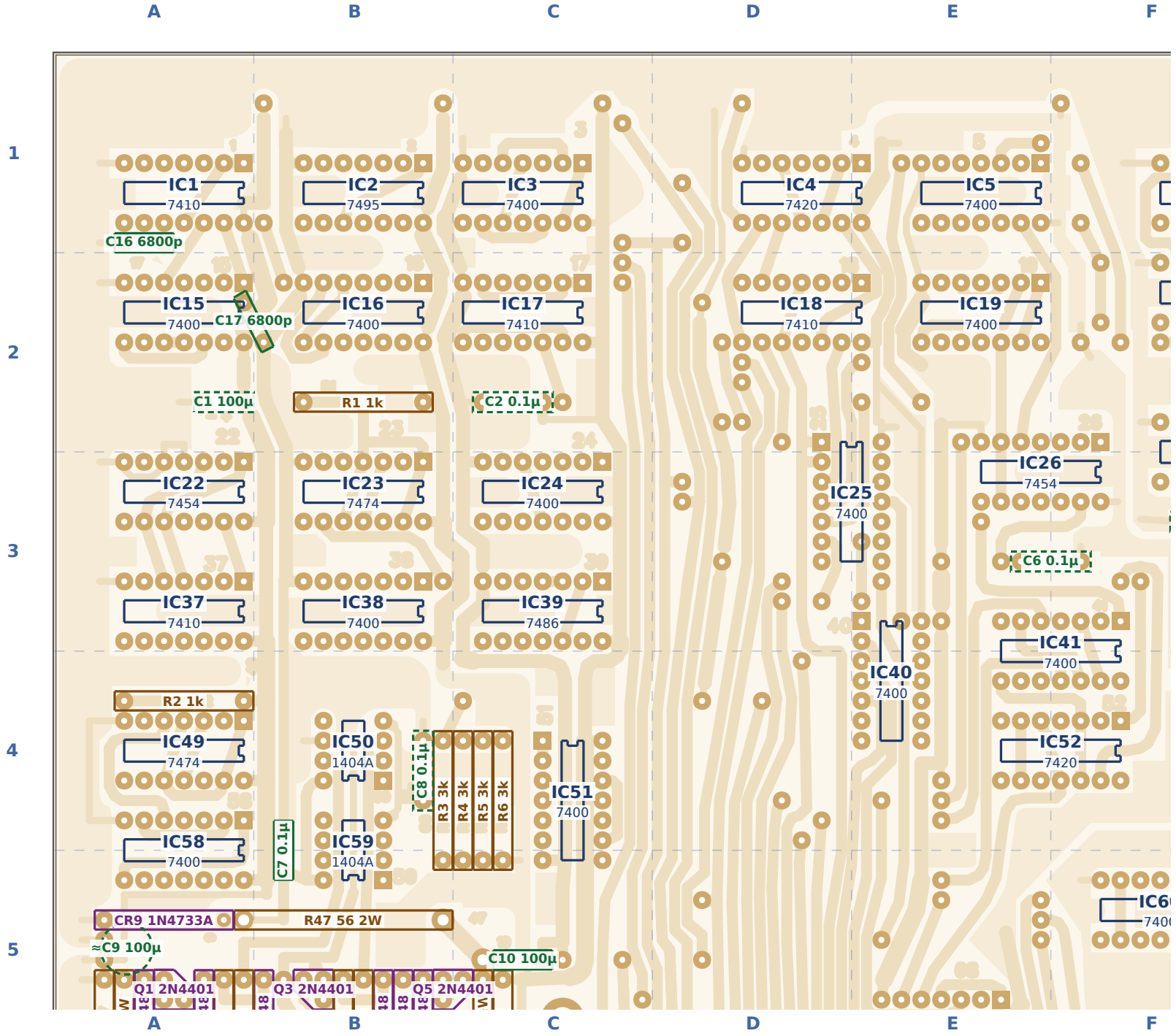
Italic, dashed outline: not on the kenbak.com silkscreen — C1–C6, C8, C9, C12–C15, C20–C22, connector names and the wire link are placed from Stockly's 2007 drawing of the same board.

≈ C9, C14, C15 (dashed circles): radial electrolytics whose exact holes the 2007 drawing does not resolve — find them by the copper (+ to the supply side) before soldering.

C16 and C17 go on the underside (BOM). The silkscreen's J1–J7 are header segments; the BOM's "J1" is Stockly's wire link, drawn dashed.

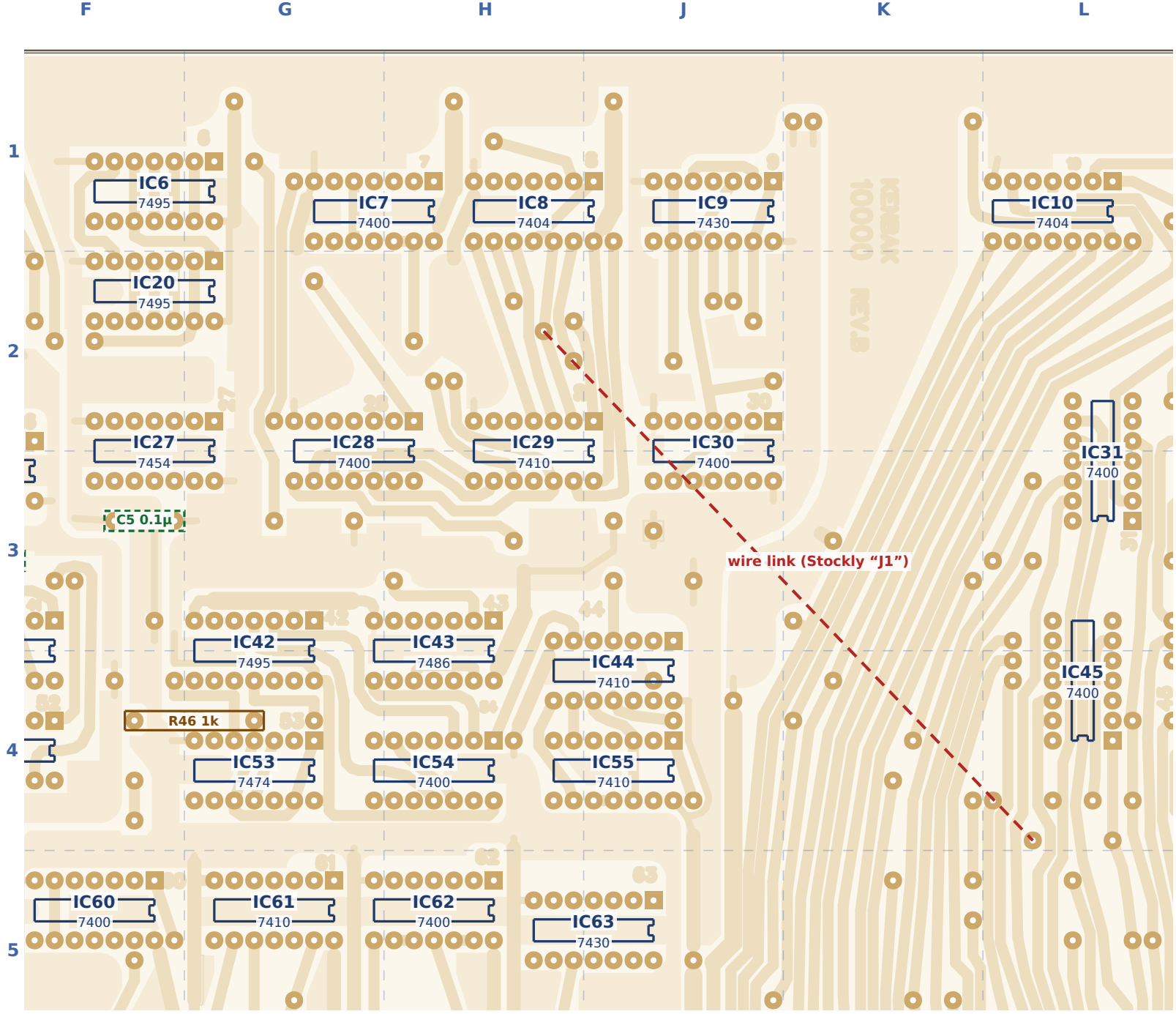
Sheet 2 — top left of the board

Grid columns A–F, rows 1–5. Component side, as you look at the board while fitting parts.



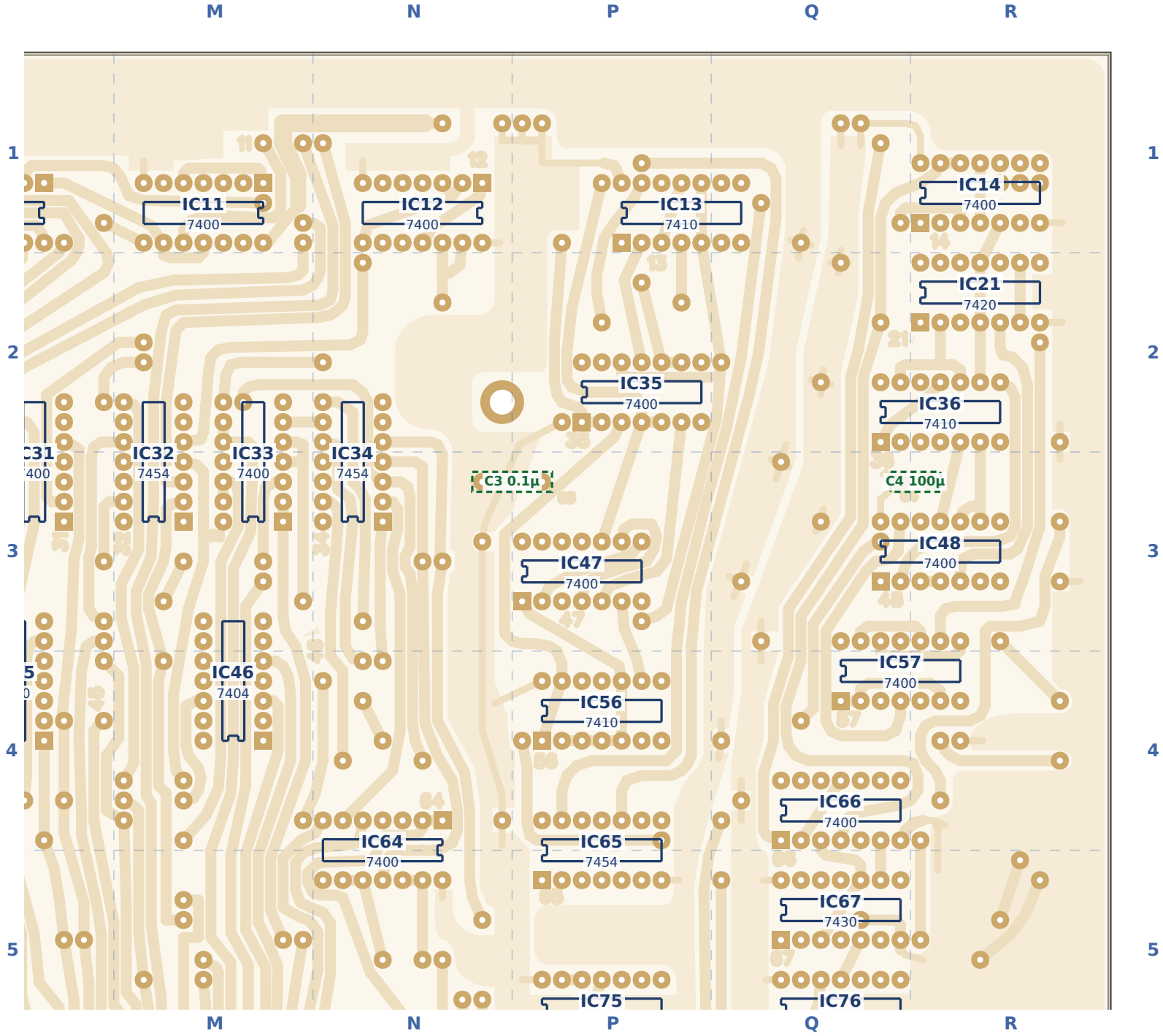
Sheet 3 — top middle of the board

Grid columns F–L, rows 1–5. Component side, as you look at the board while fitting parts.



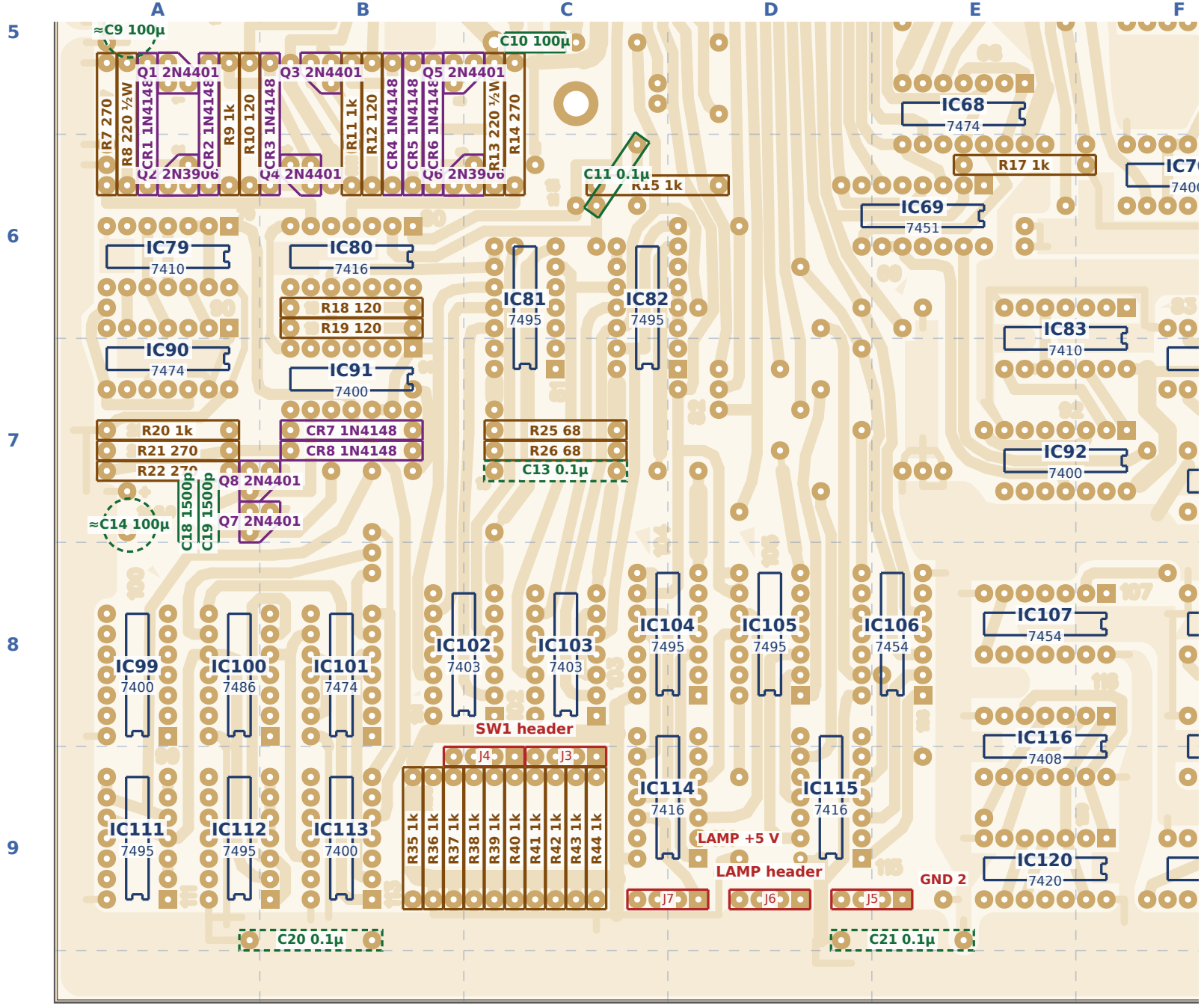
Sheet 4 — top right of the board

Grid columns L–R, rows 1–5. Component side, as you look at the board while fitting parts.



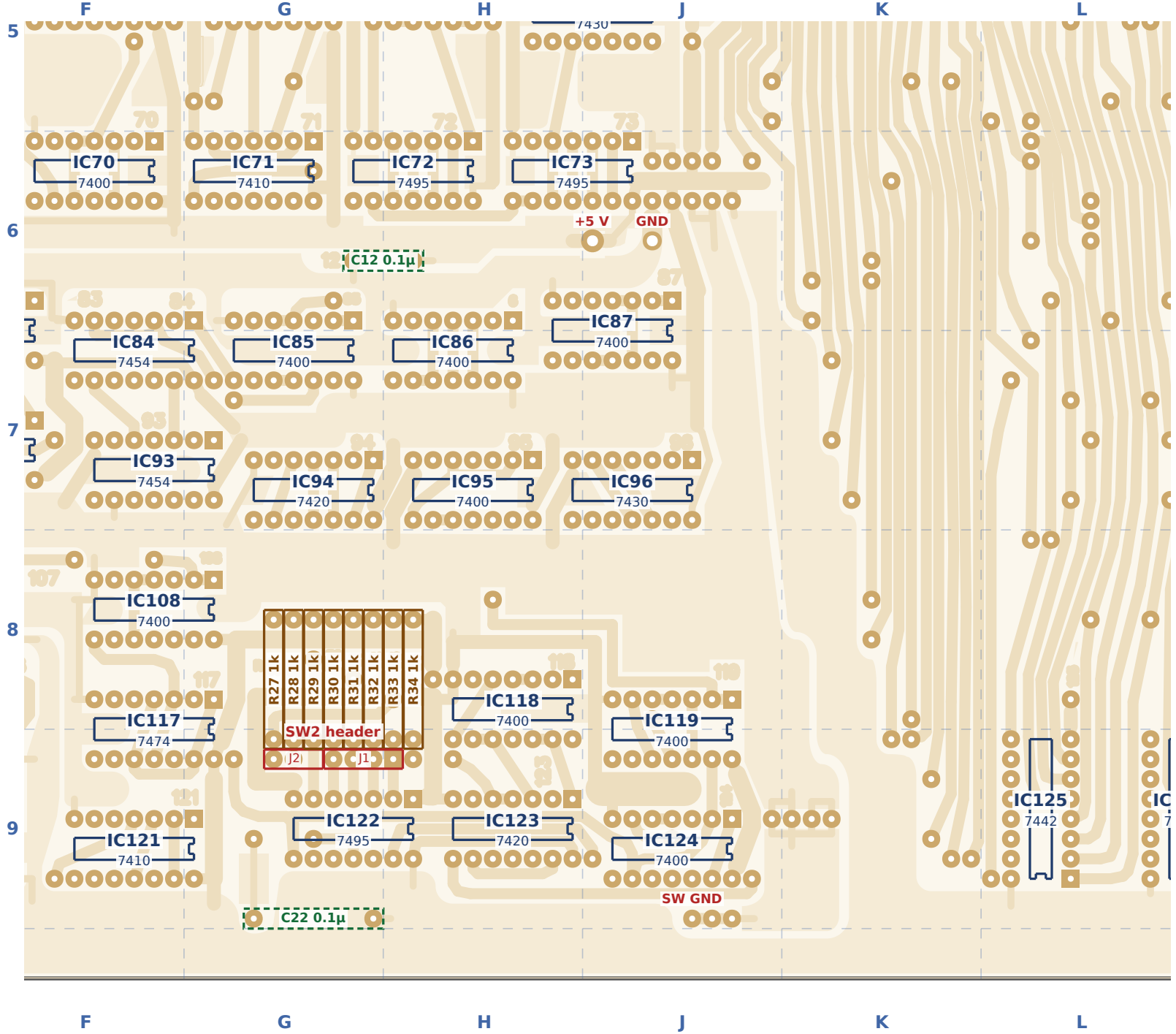
Sheet 5 — bottom left of the board

Grid columns A–F, rows 5–10. Component side, as you look at the board while fitting parts.



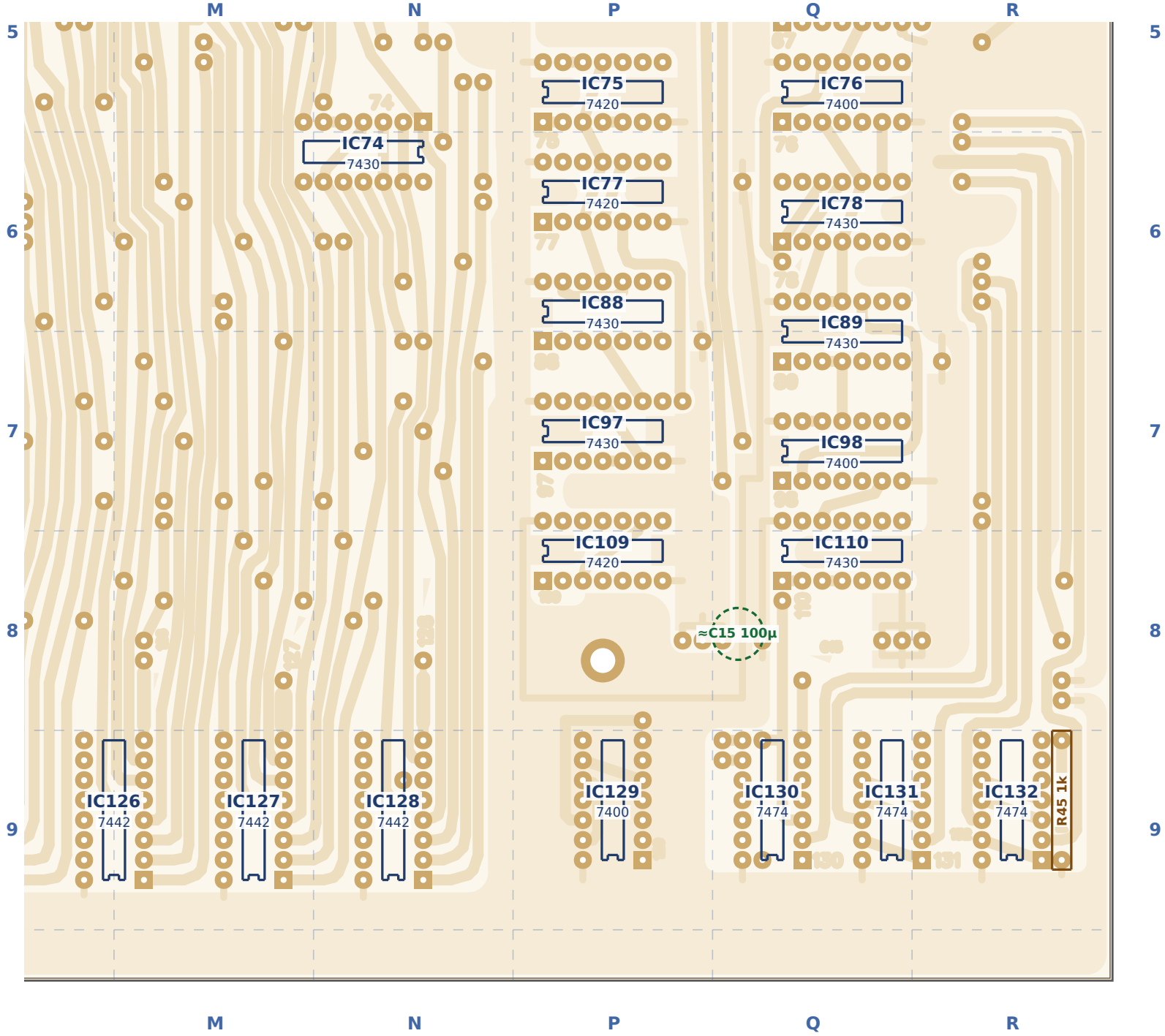
Sheet 6 — bottom middle of the board

Grid columns F–L, rows 5–10. Component side, as you look at the board while fitting parts.



Sheet 7 — bottom right of the board

Grid columns L–R, rows 5–10. Component side, as you look at the board while fitting parts.



Parts index

Designator · chip type or value · grid square · sheet · tick box when fitted. Italic = position from Stockly's 2007 drawing.

IC1	7410	A1	2	☐	**IC47**	7400	P3	4	☐	**IC93**	7454	F7	6	☐	**R7**	270	A5	5	☐
IC2	7495	B1	2	☐	**IC48**	7400	R3	4	☐	**IC94**	7420	G7	6	☐	**R8**	220 ½W	A5	5	☐
IC3	7400	C1	2	☐	**IC49**	7474	A4	2	☐	**IC95**	7400	H7	6	☐	**R9**	1k	A5	5	☐
IC4	7420	D1	2	☐	**IC50**	1404A	B4	2	☐	**IC96**	7430	J7	6	☐	**R10**	120	A5	5	☐
IC5	7400	E1	2	☐	**IC51**	7400	C4	2	☐	**IC97**	7430	P7	7	☐	**R11**	1k	B5	5	☐
IC6	7495	F1	3	☐	**IC52**	7420	F4	2	☐	**IC98**	7400	Q7	7	☐	**R12**	120	B5	5	☐
IC7	7400	G1	3	☐	**IC53**	7474	G4	3	☐	**IC99**	7400	A8	5	☐	**R13**	220 ½W	C5	5	☐
IC8	7404	H1	3	☐	**IC54**	7400	H4	3	☐	**IC100**	7486	A8	5	☐	**R14**	270	C5	5	☐
IC9	7430	J1	3	☐	**IC55**	7410	J4	3	☐	**IC101**	7474	B8	5	☐	**R15**	1k	C6	5	☐
IC10	7404	L1	3	☐	**IC56**	7410	P4	4	☐	**IC102**	7403	C8	5	☐	**R17**	1k	E6	5	☐
IC11	7400	M1	4	☐	**IC57**	7400	Q4	4	☐	**IC103**	7403	C8	5	☐	**R18**	120	B6	5	☐
IC12	7400	N1	4	☐	**IC58**	7400	A5	2	☐	**IC104**	7495	D8	5	☐	**R19**	120	B6	5	☐
IC13	7410	P1	4	☐	**IC59**	1404A	B5	2	☐	**IC105**	7495	D8	5	☐	**R20**	1k	A7	5	☐
IC14	7400	R1	4	☐	**IC60**	7400	F5	3	☐	**IC106**	7454	E8	5	☐	**R21**	270	A7	5	☐
IC15	7400	A2	2	☐	**IC61**	7410	G5	3	☐	**IC107**	7454	E8	5	☐	**R22**	270	A7	5	☐
IC16	7400	B2	2	☐	**IC62**	7400	H5	3	☐	**IC108**	7400	F8	6	☐	**R25**	68	C7	5	☐
IC17	7410	C2	2	☐	**IC63**	7430	J5	3	☐	**IC109**	7420	P8	7	☐	**R26**	68	C7	5	☐
IC18	7410	D2	2	☐	**IC64**	7400	N5	4	☐	**IC110**	7430	Q8	7	☐	**R27**	1k	G8	6	☐
IC19	7400	E2	2	☐	**IC65**	7454	P5	4	☐	**IC111**	7495	A9	5	☐	**R28**	1k	G8	6	☐
IC20	7495	F2	3	☐	**IC66**	7400	Q4	4	☐	**IC112**	7495	A9	5	☐	**R29**	1k	G8	6	☐
IC21	7420	R2	4	☐	**IC67**	7430	Q5	4	☐	**IC113**	7400	B9	5	☐	**R30**	1k	G8	6	☐
IC22	7454	A3	2	☐	**IC68**	7474	E5	5	☐	**IC114**	7416	D9	5	☐	**R31**	1k	G8	6	☐
IC23	7474	B3	2	☐	**IC69**	7451	E6	5	☐	**IC115**	7416	D9	5	☐	**R32**	1k	G8	6	☐
IC24	7400	C3	2	☐	**IC70**	7400	F6	6	☐	**IC116**	7408	E9	5	☐	**R33**	1k	H8	6	☐
IC25	7400	E3	2	☐	**IC71**	7410	G6	6	☐	**IC117**	7474	F9	6	☐	**R34**	1k	H8	6	☐
IC26	7454	E3	2	☐	**IC72**	7495	H6	6	☐	**IC118**	7400	H8	6	☐	**R35**	1k	B9	5	☐
IC27	7454	F3	3	☐	**IC73**	7495	H6	6	☐	**IC119**	7400	J9	6	☐	**R36**	1k	B9	5	☐
IC28	7400	G3	3	☐	**IC74**	7430	N6	7	☐	**IC120**	7420	E9	5	☐	**R37**	1k	B9	5	☐
IC29	7410	H3	3	☐	**IC75**	7420	P5	7	☐	**IC121**	7410	F9	6	☐	**R38**	1k	C9	5	☐
IC30	7400	J3	3	☐	**IC76**	7400	Q5	7	☐	**IC122**	7495	G9	6	☐	**R39**	1k	C9	5	☐
IC31	7400	L3	3	☐	**IC77**	7420	P6	7	☐	**IC123**	7420	H9	6	☐	**R40**	1k	C9	5	☐
IC32	7454	M3	4	☐	**IC78**	7430	Q6	7	☐	**IC124**	7400	J9	6	☐	**R41**	1k	C9	5	☐
IC33	7400	M3	4	☐	**IC79**	7410	A6	5	☐	**IC125**	7442	L9	6	☐	**R42**	1k	C9	5	☐
IC34	7454	N3	4	☐	**IC80**	7416	B6	5	☐	**IC126**	7442	M9	7	☐	**R43**	1k	C9	5	☐
IC35	7400	P2	4	☐	**IC81**	7495	C6	5	☐	**IC127**	7442	M9	7	☐	**R44**	1k	C9	5	☐
IC36	7410	R2	4	☐	**IC82**	7495	C6	5	☐	**IC128**	7442	N9	7	☐	**R45**	1k	R9	7	☐
IC37	7410	A3	2	☐	**IC83**	7410	E7	5	☐	**IC129**	7400	P9	7	☐	**R46**	1k	G4	3	☐
IC38	7400	B3	2	☐	**IC84**	7454	F7	6	☐	**IC130**	7474	Q9	7	☐	**R47**	56 2W	B5	2	☐
IC39	7486	C3	2	☐	**IC85**	7400	G7	6	☐	**IC131**	7474	Q9	7	☐	**C1**	100µ	A2	2	☐
IC40	7400	E4	2	☐	**IC86**	7400	H7	6	☐	**IC132**	7474	R9	7	☐	**C2**	0.1µ	C2	2	☐
IC41	7400	F4	2	☐	**IC87**	7400	J7	6	☐	**R1**	1k	B2	2	☐	**C3**	0.1µ	P3	4	☐
IC42	7495	G4	3	☐	**IC88**	7430	P6	7	☐	**R2**	1k	A4	2	☐	**C4**	100µ	R3	4	☐
IC43	7486	H4	3	☐	**IC89**	7430	Q7	7	☐	**R3**	3k	B4	2	☐	**C5**	0.1µ	F3	3	☐
IC44	7410	J4	3	☐	**IC90**	7474	A7	5	☐	**R4**	3k	C4	2	☐	**C6**	0.1µ	F3	2	☐
IC45	7400	L4	3	☐	**IC91**	7400	B7	5	☐	**R5**	3k	C4	2	☐	**C7**	0.1µ	B5	2	☐
IC46	7404	M4	4	☐	**IC92**	7400	E7	5	☐	**R6**	3k	C4	2	☐	**C8**	0.1µ	B4	2	☐

Parts index

Designator · chip type or value · grid square · sheet · tick box when fitted. Italic = position from Stockly’s 2007 drawing.

≈C9	100µ	A5	2	☐
C10	100µ	C5	2	☐
C11	0.1µ	C6	5	☐
C12	0.1µ	H6	6	☐
C13	0.1µ	C7	5	☐
≈C14	100µ	A7	5	☐
≈C15	100µ	Q8	7	☐
C16	6800p	A1	2	☐
C17	6800p	B2	2	☐
C18	1500p	A7	5	☐
C19	1500p	A7	5	☐
C20	0.1µ	B9	5	☐
C21	0.1µ	E9	5	☐
C22	0.1µ	G9	6	☐
CR1	1N4148	A5	5	☐
CR2	1N4148	A5	5	☐
CR3	1N4148	B5	5	☐
CR4	1N4148	B5	5	☐
CR5	1N4148	B5	5	☐
CR6	1N4148	B5	5	☐
CR7	1N4148	B7	5	☐
CR8	1N4148	B7	5	☐
CR9	1N4733A	A5	2	☐
Q1	2N4401	A5	5	☐
Q2	2N3906	A6	5	☐
Q3	2N4401	B5	5	☐
Q4	2N4401	B6	5	☐
Q5	2N4401	C5	5	☐
Q6	2N3906	C6	5	☐
Q7	2N4401	B7	5	☐
Q8	2N4401	B7	5	☐
J1	—	G9	6	☐
J2	—	G9	6	☐
J3	—	C9	5	☐
J4	—	C9	5	☐
J5	—	E9	5	☐
J6	—	D9	5	☐
J7	—	D9	5	☐