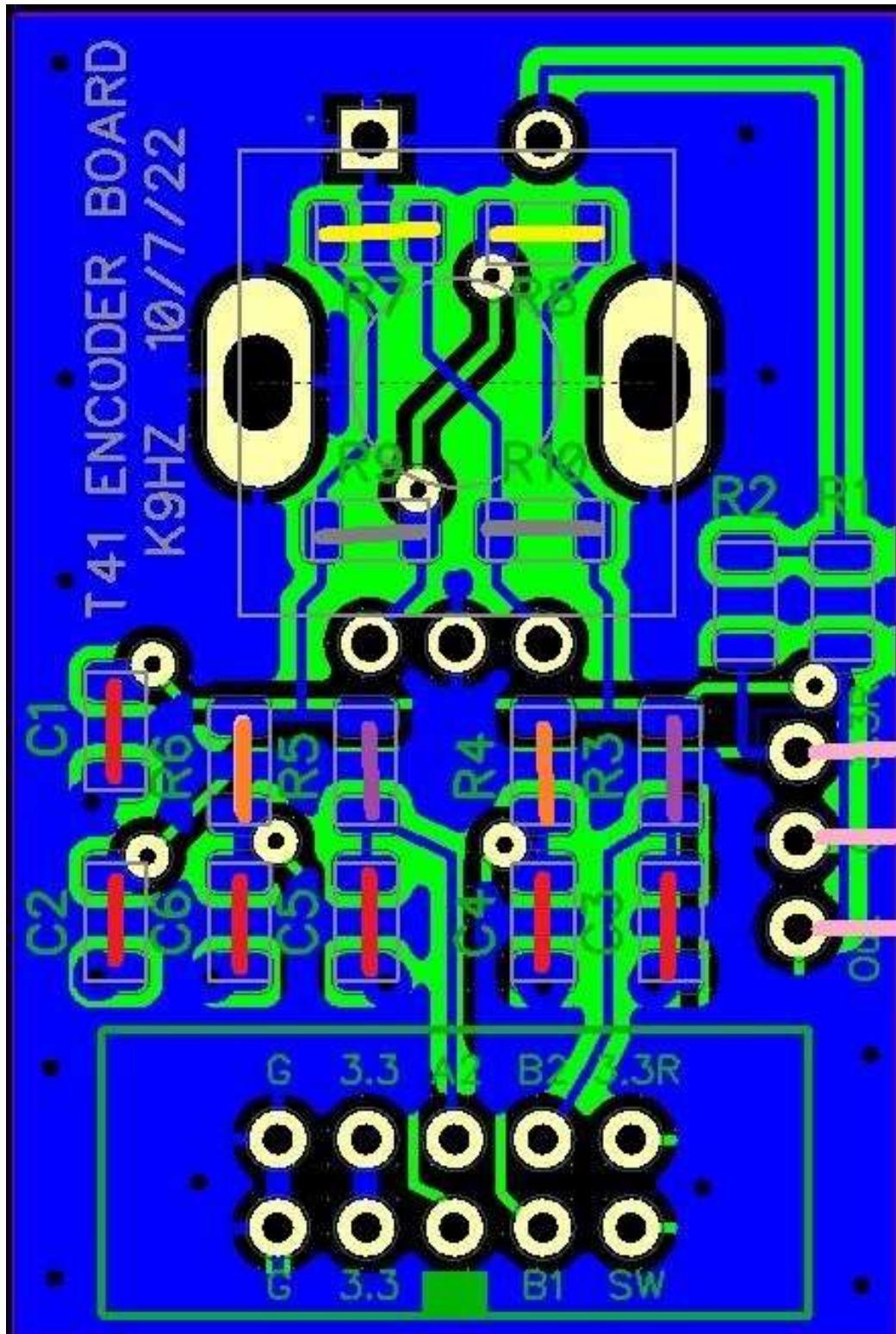


ENCODER BOARD POPULATION LEGEND



T41 VOLUME ENCODER (ENCODER #1)

POPULATE C1-C6 WITH 0.1 UF CAPACITORS (RED LINES)

POPULATE R4, R6 WITH OR/ JUMPERS (ORANGE LINES)

POPULTATE R7, R8 (NOT R9, R10) WITH OR/JUMPERS FOR CW OPERATION (YELLOW LINES)

POPULATE R9, R10 (NOT R7, R8) WITH OR/JUMPERS FOR CCW OPERATION (GRAY LINES)

V11 LEAVE R1, R2 EMPTY (SWITCH NOT ACTIVE)

V12 POPULATE R1 WITH OR/ JUMPERS (SWITCH ACTIVE)

T41 FINE TUNE ENCODER (ENCODER #2)

POPULATE C1-C6 WITH 0.1 UF CAPACITORS (RED LINES)

POPULATE R3, R5 WITH OR/ JUMPERS (PURPLE LINES)

POPULTATE R7, R8 (NOT R9, R10) WITH OR/JUMPERS FOR CW OPERATION (YELLOW LINES)

POPULATE R9, R10 (NOT R7, R8) WITH OR/JUMPERS FOR CCW OPERATION (GRAY LINES)

V11 LEAVE R1, R2 EMPTY (SWITCH NOT ACTIVE)

V12 POPULATE R2 WITH OR/ JUMPERS (SWITCH ACTIVE)

T41 TUNE ENCODER (ENCODER #3)

POPULATE C1-C6 WITH 0.1 UF CAPACITORS (RED LINES)

POPULATE R3, R5 WITH OR/ JUMPERS (PURPLE LINES)

POPULTATE R7, R8 (NOT R9, R10) WITH OR/JUMPERS FOR CW OPERATION (YELLOW LINES)

POPULATE R9, R10 (NOT R7, R8) WITH OR/JUMPERS FOR CCW OPERATION (GRAY LINES)

V11 LEAVE R1, R2 EMPTY (SWITCH NOT ACTIVE, MATRIX CONNECTOR USED)

V11 ADD THREE IDC PINS FOR THE SWITCH MATRIX CONNECTION (PINK LINES)

V12 POPULATE R1 WITH OR/ JUMPERS (SWITCH ACTIVE)

T41 FILTER ENCODER (ENCODER #4)

POPULATE C1-C6 WITH 0.1 UF CAPACITORS (RED LINES)

POPULATE R4, R6 WITH OR/ JUMPERS (ORANGE LINES)

POPULATE R7, R8 (NOT R9, R10) WITH OR/JUMPERS FOR CW OPERATION (YELLOW LINES)

POPULATE R9, R10 (NOT R7, R8) WITH OR/JUMPERS FOR CCW OPERATION (GRAY LINES)

V11 LEAVE R1, R2 EMPTY (SWITCH NOT ACTIVE)

V12 POPULATE R2 WITH OR/ JUMPERS (SWITCH ACTIVE)

NOTE: DAISY CHAIN ENCODERS 1 & 2 ON SAME CABLE, 3 & 4 ON SAME CABLE.