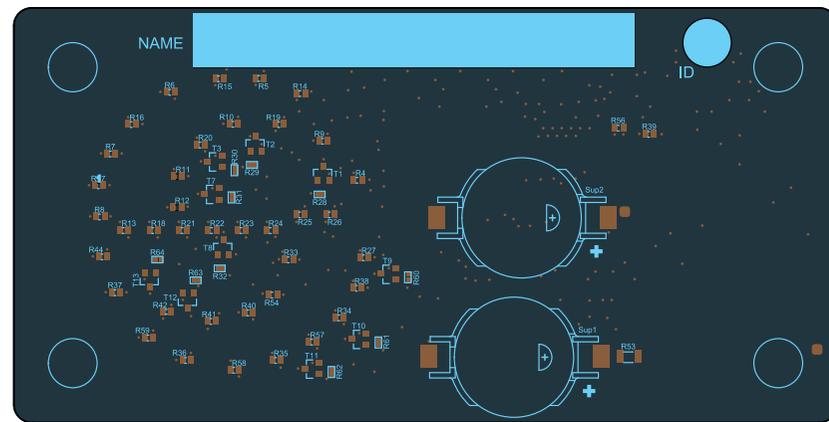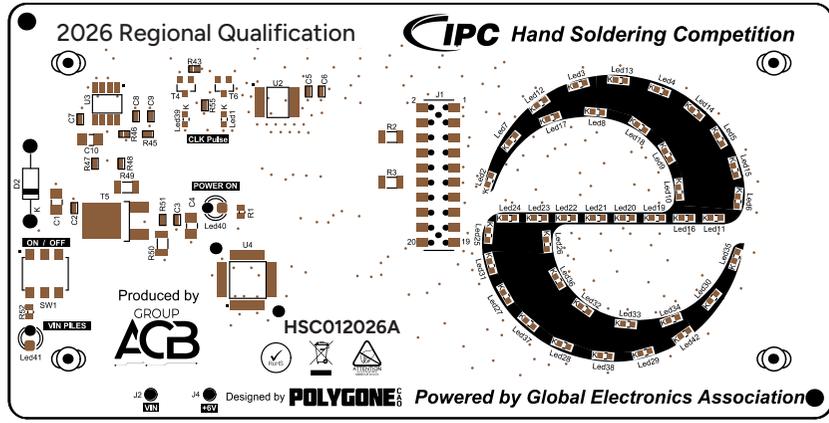# IPC HAND SOLDERING COMPETITION

2026 | Regional Qualification – Europe | PROFESSIONAL

Box	Side	Component	Package	Reference Designator	Technology	Qty
1	Top	Chip Capacitor 10µF - 25V - X7R - 1206	1206	C1, C4, C10	SMT	3
2	Top	Chip Capacitor 100nF - 25V - X7R - 0402	0402	C2, C3, C5, C8	SMT	4
3	Top	Chip Capacitor 1µF - 25V - X5R - 0402	0402	C6, C9	SMT	2
4	Top	Chip Capacitor 10nF - 25V - X7R - 0402	0402	C7	SMT	1
5	Top	Diode Rectifiers 400V@1A - TH 59-10	Diode	D2	THT	1
6	Top	Chip LED RED	0603	Led1, Led39	SMT	2
7	Top	Chip LED BLUE	0603	Led2, Led3, Led4, Led5, Led6, Led7, Led8, Led9, Led10, Led11, Led12, Led13, Led14, Led15, Led16, Led17, Led18, Led19, Led20, Led21, Led22, Led23, Led24, Led25, Led26, Led27, Led28, Led29, Led30, Led31, Led32, Led33, Led34, Led35, Led36, Led37, Led38, Led42	SMT	38
8	Top	Chip LED GREEN	LED 3 mm	Led40, Led41	THT	2
9	Top/Bottom	Chip Resistor 249R - 1% - 100mW	0603	R1, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R44, R52, R54, R56, R57, R58, R59	SMT	42
10	Top/Bottom	Chip Resistor 0R - 1% - 500mW	1206	R2, R3, R49, R53	SMT	4
11	Bottom	Chip Resistor 10K - 1% - 63mW	0402	R28, R29, R30, R31, R32, R43, R45, R48, R55, R60, R61, R62, R63, R64	SMT	14
12	Top	Chip Resistor 0R - 1% - 63mW	0402	R46, R47	SMT	2
13	Top	Chip Resistor 1K - 1% - 750mW	1206	R50	SMT	1
14	Top/Bottom	SIPMOS N-Channel 60V@0.2A	SOT23	T1, T2, T3, T4, T6, T7, T8, T9, T10, T11, T12, T13	SMT	12
15	Top	MOSFET P-Channel -45V@-4.5A	DPAK	T5	SMT	1
16	Top	Arm 32-bit MCU - 1.7-3.6V - LQFP48	LQFP48	U4	SMT	1
16	Top	Counter Divider	TSSOP16	U2	SMT	1
16	Top	Precision Timer	SOIC-08	U3	SMT	1
17	Top	Receptacle Female 2x10 Pts - 2.54mm	Header	J1	SMT	1
17	Top	Slide Switches - Right Angle	Switch	SW1	SMT	1
17	Bottom	Snap-in Spacer Reverse Mount	Spacer	FIX1, FIX2, FIX3, FIX4	SMT	4
18	Bottom	Battery Holder For CR2032	Battery Holder	Sup1, Sup2	SMT	2
18	Top	Jumper	Jumper	Jumper1, Jumper2, Jumper3, Jumper4	THT	4

Component Box Placement

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18

Weller®

JBC The Soldering Co.

IPC HAND SOLDERING COMPETITION

GROUP ACB

almit

DAVUM TMC

Optilia

POLYGONE CAD

SFM devient/becomes Theia instruments

powered by Global Electronics Association™