Electronics contract manufacturing in Kemijärvi, Finland, since 1994

PCB assembly (SMT and THT), inspection, programming, testing and box build in our own debt-free factory. Focus on recurring series production: hundreds to thousands of boards a year.

1994	99.6%	Debt-free	ISO 13485	No MOQ	1 week
founded in Kemijärvi	on-time delivery 2025	equity ratio over 80%	SGS, since 2019	prototype to series	quote from BOM and volume

Capabilities

Assembly and soldering

SMT lines	2 lines: Assembléon Opal-X II, Assembléon Emerald-XII, Panasonic MV2C
Paste printing	PBT GO23, product-specific stencil
Reflow	Koki ARC-250 and Heraeus, product-specific profile
THT	Seho wave soldering, manual assembly and soldering
Components	Smallest 0402 (0201 case by case), BGA and QFN, double-sided assembly
Soldering	Lead-free (SAC305) or leaded (Sn62/Sn63)

Inspection and testing

Solder inspection	Every board under the microscope, IPC-A-610
X-ray	FeinFocus FXS-100 for hidden joints (e.g. BGA and QFN)
Programming	To the customer's instructions and software version
Testing	Functional testing with the customer's tester or a jointly designed fixture
Documents	Declaration of conformity with every delivery

Box build and materials

Box build	Enclosures, cabling, labelling, final test and packing
Materials	Turnkey (we source), consigned (you supply) or a mix
PCBs	Ordered per job, typically 4–6 weeks
Design	Schematic, PCB layout, mechanics and DFM

Volumes and lead times

Batch sizes	No minimum order quantity; focus on batches of hundreds to thousands
Capacity	Factory sized for million-unit series (5.5 million chargers 1995–2001)
First batch	Typically 5–7 weeks (mostly PCB fabrication)
Repeat batches	About one week once materials are in stock

Why customers stay

- **Cost structure:** own building, paid-off machines and a debt-free balance sheet – no rent increases, leases or interest costs. Customers tell us we are often cheaper than Estonia.
- **Direct contact:** you call the person who knows your order. Our longest customer relationship has lasted over 20 years.
- **Defects at our cost:** if a defect is caused by manufacturing, we repair or replace the boards, shipping included, and report the root cause.
- **Transparent pricing:** quotes itemise one-off costs and unit prices for each batch size.

Supplier information

The basics for supplier approval. Send your own questionnaire to sales@polarcomp.fi and we will fill it in for you.

Company	
Name	Polarcomp Oy (Polarcomp Finland Oy until 1 June 2023)
Business ID	0969733-4
VAT number	FI09697334
LEI	743700VZBYHXRH9ZI471
Founded	1994
Address and factory	Halmetie 7, FI-98120 Kemijärvi, Finland
Ownership	Finnish, privately owned (generational transfer 2022)
Financial standing	No interest-bearing debt (end of 2025), equity ratio over 80%
Premises	Own factory building, approx. 1,300 m² (purchased 2023)

Quality	
Certificate	ISO 13485:2016, FI19/5163
Issued by	SGS Fimko Oy, audited annually
Valid	19 July 2025 – 18 July 2028, issued to Polarcomp Finland Oy
Scope	Electronics contract manufacturing and related services
Quality system	Since 1994; also built to meet ISO 9001:2015; the same system for every order
Indicators 2025	On-time delivery 99.6%, customer satisfaction 4.5 / 5
Customer audits	Welcome in Kemijärvi
Confidentiality	Ready-made mutual NDA, signed unchanged

Invoicing	
E-invoice address	003709697334
Operator	Apix Messaging Oy (003723327487)
PDF invoices	003709697334@procountor.apix.fi
Paper invoices	Polarcomp Oy, PL 16112, 00021 LASKUTUS, Finland

Online	
Capabilities	polarcomp.fi/en/capabilities
Supplier information	polarcomp.fi/en/supplier-information
Quality	polarcomp.fi/en/quality
Customer stories	polarcomp.fi/en/customer-stories

Contacts

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