



Electro Promex s.r.l & CO KG

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About US



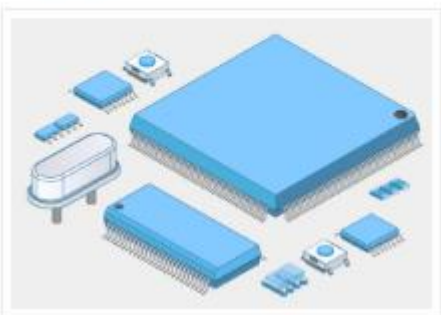
Electro Promex s.r.l & Co KG is an Austrian assembly company and part of a Group of companies with production facility in Romania. We offer complete electronic manufacturing services, product development and turnkey technical solutions for Industrial and home automation, oil and mining industry and applications in the energy industry.

In over 20 years of experience, our activities have extended and evolved, meeting the technical demands of our customers. Today our services include:

- Design and optimization of PCB
- Test adapter for printed circuit boards incl. software
- Prototypes & small series
- microcontroller programming
- Design of hardware and software for Microcontroller Applications
- Technical support
- PCB assembly (SMD & THT)
- Functional test & calibration
- Electromagnetic compatibility (EMC)
- Rework & Assembly
- cable assembly (harnesses)
- Control cabinet construction
- Component procurement



Complete solution
from design to production



We've built solid collaborative relationships with our worldwide supply partners, allowing us to reduce the procurement costs and increase the supply chain competitiveness, while at the same time maintaining high quality and deliverability standards.

Our areas of expertise include both product development and electronic Supply production. The production works in compliance with the quality standard ISO 9001 and the electronics installation guidelines IPC-A-610.

Benefits



Experience and professionalism



Low acquisition costs



High quality services



Quality and environment



Complete electronic design and production services



Our range of solutions for software development includes:

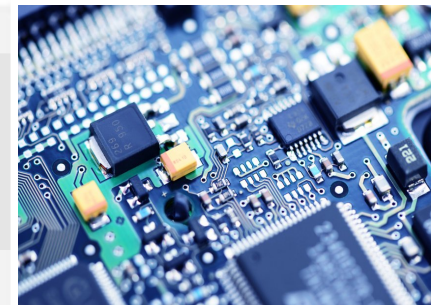
- ➔ Dedicated systems with real time, simple or complex microcontrollers, for data and images acquisition and processing, serial, USB, Ethernet communication, symmetric or asymmetric data encryption.
- ➔ Computer applications for dedicated widely used operating systems such as Linux and Windows.
- ➔ Drivers for integrating equipment for dedicated, open source (Linux) or Windows platform-based (PC, embedded) operating systems.

Software design - development

- | | |
|---|--|
| <div>1</div> <div>Consultancy services
in the software application field</div> | <div>2</div> <div>Specific programs
For the remote management and control of
hardware modules made by ATEC</div> |
| <div>3</div> <div>Compilers design
and integrated development
environment design for microcontrollers</div> | <div>4</div> <div>Turnkey programs
ausing customer's specifications</div> |



PCB Assembly Services



Efficiency and flexibility are our basic principles. Our own board assembly in the production facility in Romania, it allows us high quality equipping work, under Compliance with the quality standard ISO 9001, cost-effective to provide.

We cover the following scope of services in the field of PCB assembly:

- THD - Assembly
- SMT - Assembly
- Multilayer - PCB - Assembly
- SMT & THD Mixed - Assembly
- Automated optical inspection (AOI)
- With or without Functional test

Both solutions for electronic production are offered:

- ➔ Complete electronics production: assembly including material procurement and functional test
- ➔ Electronics production partly: only assembly, customer supplies material





Cable and electrical wiring assembly



We have also invested in cable assembly technology and acquire high-efficiency, flexible devices that are able to carry out a wide range of applications.

This allows us to use any type of cable required by our customers according to the quality standards required by IPC / WHMA-A-620 to assemble.

We do this with the help of a well-trained, dedicated team, with the aim of meeting our customers' expectations regarding quality and to exceed the deadline





Electromagnetic compatibility testing



Testing the immunity to radiated electromagnetic disturbances

Testing equipment - GTEM Cell (Gigahertz TEM) – 750 (septum height)

- Provides immunity and emission tests within a single electromagnetically screened equipment;
- Meets requirements of EN/IEC 61000-4-3 and EN/IEC 61000-4-20;
- Generates easy to calculate homogenous fields;
- Achieves field strengths of at least 10V/m with low power amplifiers (10/15W) in a wide frequency range 0,15MHz-1GHz, respectively up to 18 GHz without having to modify the GTEM cell;
- Simple, time-stable calibration;
- Maximum size for tested object (EUT): 0,6x0,6x0,45 m;
- Access door size: 0,62x0,49 m;
- Disturbance filters for EUT supply at DC or AC voltage;
- Electric and visual monitoring of EUT behaviour during testing;
- Software for automatic control of testing process (acquisition, evaluation, data storage, test report editing).

We offer immunity test according to the following standards:

- EN/IEC 61000-4-2 ESD (electrostatic discharges) 8/15kV
- EN/IEC 61000-4-4 Fast Transient/Burst Testing 4,4kV 1MHz
- EN/IEC 61000-4-5 Lightning/Surge Immunity Testing 4,1kV/2kA
- EN/IEC 61000-4-5/CCITT 10/700ms 4kV(4/300ms 150A)
- EN/IEC 61000-4-8 MF (sinusoidal magnetic field)
- EN/IEC 61000-4-9 MF (pulse magnetic field)
- EN/IEC 61000-4-11 DIPS (AC supply variations/ interruptions) 260V/16A/500A peak
- EN/IEC 61000-4-12 Ring Wave (damped oscillating impulses) 6kV/500A
- EN/IEC 61000-4-29 DIPS (DC supply variations/ interruptions) 110V/16A/220A peak
- Software for automatic control of testing process.





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