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- CROATIA@MICRODIS.NET
- CZECH@MICRODIS.NET
- ESTONIA@MICRODIS.NET
- FRANCE@MICRODIS.NET
- GERMANY@MICRODIS.NET
- HUNGARY@MICRODIS.NET
- LATVIA@MICRODIS.NET
- LITHUANIA@MICRODIS.NET
- POLAND@MICRODIS.NET
- ROMANIA@MICRODIS.NET
- RUSSIA@MICRODIS.NET
- SERBIA@MICRODIS.NET
- SLOVAKIA@MICRODIS.NET
- SLOVENIA@MICRODIS.NET
- UKRAINE@MICRODIS.NET
- EUROPE@MICRODIS.NET



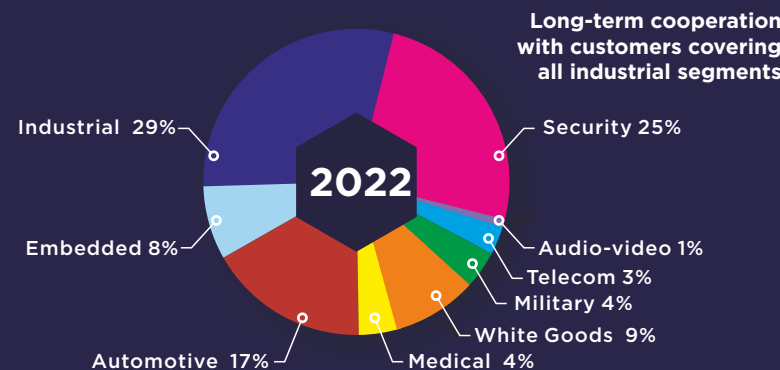
**SERVICES FOR OEMS AND CEMS IN EASTERN EUROPE**

- I Design-in support - well trained, competent engineers
- I Trainings - common actions with our franchise partners
- I Programming of oscillators, ICs, etc.
- I Harness making according to specification
- I Supply of more than 500 000 components
- I EDI and e-commerce on www.microdis.net
- I Online Order Tracking
- I Consignment stock - central as well as local possibilities

Supply of small quantities by catalogue distribution

\*Electromechanical Competence Center for Turkiye

Turkiye\*  
Turkiye@microdis.net



Currently the Microdis Group employs over 100 people, with a large number of electronic engineers, mostly involved in sales and support.

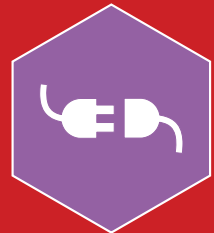
The quality of our management system is confirmed by ISO 9001:2015.

Long-term cooperation with customers covering all industrial segments



**WIRELESS**

GNSS, GSM, UMTS, LTE, BLUETOOTH, WIFI, ISM, MODULES, ANTENNAS & ACCESSORIES



**E-MECH**

ENCLOSURES, HEATSINKS, CONNECTORS, HARNESSES, SWITCHES



**EMBEDDED**

INDUSTRIAL FANLESS PCs, ALL-IN-ONE PANELS, EMBEDDED BOARDS, DISPLAYS WITH TOUCH-SCREEN



**CRYSTAL DEVICES**

TIMING DEVICES, RTC MODULES SENSING DEVICES



**OPTO & PASSIVE**

LEDS, COBS, LED MODULES, LENSES, DRIVERS, DISPLAYS AND OPTOCOUPERS, CAPACITORS & INDUCTORS



**HARNESS MAKING & TOOLS**



**ONE STOP SHOP**

COMPREHENSIVE PORTFOLIO WITH MILLIONS OF COMPONENTS RELIABLE SOURCE FOR MASS PRODUCTION, AS WELL AS FOR FEW PIECES PROTOTYPING

The leading technical distributor of electronic components acting in Eastern Europe.

With years of experience and built up trust on the market.

Reliably providing local logistic and technical support to the most demanding applications.



Microdis Group celebrates 35 years of providing constant high quality sales & technical support to our valuable customers in the Eastern European market. Cheers!

**ADVANCED EDI SYSTEM**

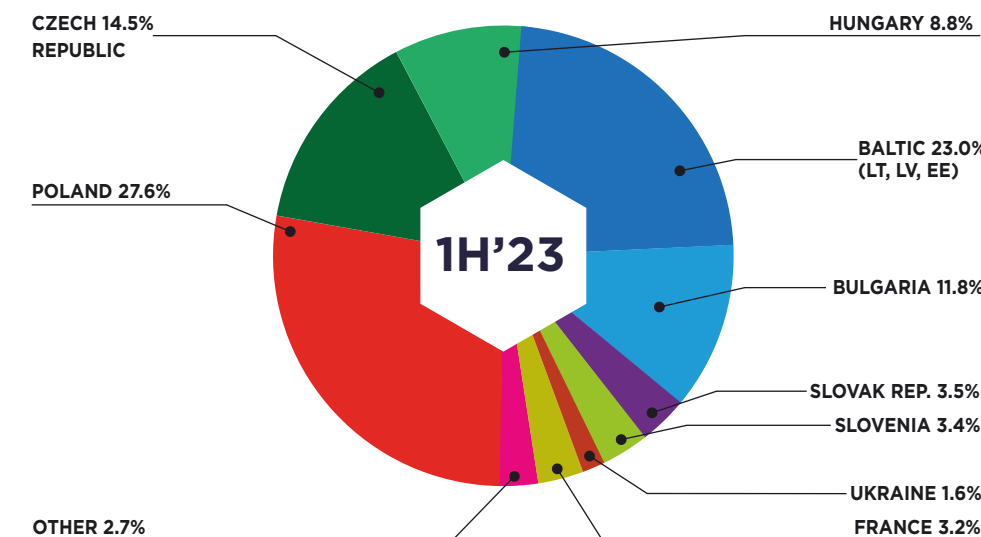
- I Access to components base with individual, quantity dependent, pricing
- I Stock information
- I Downloadable file with components base
- I Online ordering
- I Order status and order/invoice
- I History information
- I Individual account for each employee



**MICRODIS BUSINESS MODEL**

- I Franchise Distribution for a selected number of manufacturers
- I Special Mass Market Distribution by Internet and Catalogue
- I Network Partnership with suppliers and customers

Sales network covering all East European markets



FANLESS INDUSTRIAL COMPUTERS

Rugged Box PCs for automation industry

Many options of I/O interfaces to find the optimal solution for the application, highest reliability because of fanless design & high quality components

- Long life and availability
- Strong metal housing
- Wide operating temperature
- Anti-vibration & shock
- Dust resistant
- Embedded OS
- Wide input voltage range
- Low power consumption
- Compact size



Smart City Solutions

- Media players, edge computers & panels designed for 24/7 operation with various video outputs
- IoT Factory Automation
- Cost-effective industrial gateways & controllers designed for reliability in demanding applications



Powerful Box PCs with optional external GPU

- Machine vision controllers
- Train & in-vehicle rugged computers
- Surveillance platforms
- 25 to 70°C operating temp.
- Patented expansion Casette and MeziO



Embedded boards

- Cost-effective & reliable industrial boards
- Latest Intel Atom/Celeron/Pentium/i3/i5/i7 and AMD Embedded & Ryzen processors
- Only Japan-made high-quality Conductive Polymer Capacitors used
- Up to 15 years product availability
- Various form factors
- Fanned & fanless box PCs



In-vehicle computers and railway displays for driver's cabin

- Variety wireless communication: GPS, GSM, WLAN
- Ignition control
- Easy adaption to a cars power system
- Railway EN50155 certificate



All-In-One Panel PCs

- Many sizes available
- Resistive or Capacitive Multi-touch
- Variable BOX PCs
- Powerful CPUs
- Wide temperature options



Wide range of high quality monitors

- Desktop
- Large format
- Protective glass
- Open-frame
- Interactive
- Video-walls
- Collaborative Solutions
- Projectors



WIRELESS ACCESSORIES

Cellular antennas

- Embedded:
- PCB, fiberglass & ceramic
- External:
- Screw, sticker or magnetic mount
  - Connector and cable upon request
  - Robust
  - Combo available

GNSS antennas

- Embedded:
- Active patch
  - Passive patch
  - Omnidirectional

- External:
- Connector and cable upon request
  - Robust
  - Omnidirectional
  - Combo
  - L1/L2/L5/E5/L6 and L-corrections GNSS bands

Iridium antennas

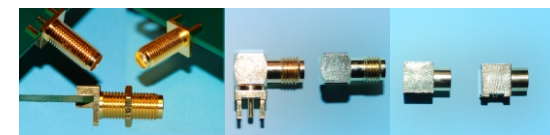
- Internal & external
- High performance
- Robust
- GPS+Iridium combo (M1600-HCT)

WiFi, Bluetooth, ISM antennas

- Internal & external
- Combo versions available (2 or more outputs)

HF connectors and adapters

- SMA, MCX, MMCX, FME
- THT, SMD & edge mounted
- TConnector and adapter customisation possible



ISO Cards, Key Fobs, Wrist Bands, PET laminates RFID system solutions for: access control, animal identification (pet, bird and livestock), Industry and logistic (also KEG and waste ID)

Reliable interconnect products

USB connectors

- A comprehensive selection of Full size, Type C, Micro and Mini interface types.
- Unique USB 2.0 Type-C charging and waterproof Micro USB options are also available in the range.

- SIM card connectors**
- GCT's range of Nano (4ff), Micro (3ff) and Mini (2ff) SIM cards conform to GSM11.1 standards. Available in push-push, push-pull and hinged card insertion types.

- Board to board connectors
- Memory card connectors
- FFC connectors
- DC Power Jacks
- Modular Jacks
- Lighting connectors
- Overmolded cable assemblies

Components

- PCB Terminal Blocks
- DIN Rail Terminal Blocks
- Barrier & Terminal Strips
- DIN Rail mounting modules
- Control products
- Fuses & fuseholders

Enclosures

- Plastic Enclosures
- Metal Enclosures
- DIN rail enclosures
- Wall cabinets & 19" Enclosures

Full customisation service for all enclosures

With custom colours, surface coating & RFI shielding, engraving & silk-screening, labels & membrane Keypads, as well as milling for all types of connectors and control components

Custom enclosures

Designed, prototyped and manufactured to specific and exacting requirements with rapid lead-times using Flat Sheet Plastic Technology process, a solution for unique enclosure requirements without tooling costs.



UJContact - Connection technology

- PCB Terminal Blocks
- M12 Connectors
- Modular Jacks
- Board to board Connectors

PIcabling - Cabling solutions for networks

- Plugs and jacks for network cabling
- Cables and wires
- DIN Rail Housings
- Patch Panels

CIlogline - Intelligent system components

- I/O components
- Energy controlling
- Interface modules
- Measuring and monitoring relays & timers



Heatsinks

- Machined extruded heatsinks
- Heatsinks for LEDs
- Extruded heatsinks with retaining spring for PCB mounting
- Heatsinks and fan coolers for processors, PGA & BGA components
- Cooling aggregates
- Thermal conductive materials

Cases

- Miniature aluminum cases
- Combination cases
- Desk consoles and shell cases
- 19" system cases

Connectors

- High precision board-to-board connectors
- IDC connectors
- D-SUB connectors
- DIL PGA, PLCC sockets

Services

- Precision CNC machining of heatsinks, cases, front panels
- Powder coating
- Screen printing
- YAG laser engraving



Industrial Cables

- VDE/UL/CSA/MIL approvals
- DIN standards
- Single, multiple, fine, ultra-fine wire
- Single, double, triple coloured
- Insulation: PVC/PE/TPE/silicone/PP/PA Tefzel/Teflon/PUR/Glass filament/EVA etc.
- Temperature range: -200°C to 1200°C
- Halogen free/flame-resistant/lead-free
- Customised Hybrid cables on demand

\*excluding Hungary

- Wire to PCB connectors
- PCB to PCB connectors
- Wire to wire connectors
- Jumpers
- Memory cards and PCMCIA connectors
- Serial, parallel, USB
- Wide range of terminals
- Strips and cables
- Customized harness



Lear's Connection Systems portfolio offers high-performance, ultra-compact, light-weight, cost-effective systems engineered for optimal performance anywhere



- High Speed Data, Automotive Ethernet
- PCB Connections
- Channels/Brackets/Covers
- Power Distribution & Fuses
- Eyelets/Ring Terminals



Research and development, stamping and assembly

- Standard connectors, stamped parts
- Stamping parts on customer's specification
- Tabs, receptacles, ring terminals, sockets
- Specific products
- Custom products



3C Electronics THT LEDs in various shapes, colors and sizes, chip LEDs, digit displays, light bars, side view LEDs

Horticulture dedicated mid and high power LEDs for plant growth stimulation with specific wavelengths.

UV & IR LEDs for special applications. Low, mid and high powers, in various form factors. Wide selection of UV wavelengths (270nm-420nm)

Lighting Products Mid and high power white LEDs in most popular packages (2016, 2835, 3030, 5630, 3535), available also in R, G, B colors. COBs in standard sizes.

LCD, OLED and TFT displays Wide selection of sizes and number of characters. Monocolor and full color OLED and TFT displays. LCD with touch available.

Optocouplers, photodiodes/transistors/interrupters Over-under and coplanar types (for better CMR performance), DIP and SOP packages.

HARNESS MAKING, ASSEMBLING, MACHINES AND TOOLS

Harness making

- Crimping all typical connectors, half or full automatic process
- Cutting and stripping (up to AWG32(0,05 mm<sup>2</sup>) up to AWG8 (8,00 mm<sup>2</sup>))
- Lead free tin plating

Machines for:

- Benchtop crimping & stripping
- Cutting to length & stripping
- Full Process Crimping
- Marking
- Prefeeding
- Coiling/Collection
- Spare parts

Hand tools for cutting and crimping

Tools for various connectors

With replaceable dies

Various versions of pneumatic and manual tools



Timing and Sensing quartz based devices

RTC modules

Real-Time Clock modules with built-in crystal oscillators support Low Power consumption and multifunctional systems with a variety of features such as Wake-up Timers, Power Switch and Time Stamps, as well as Low Power consumption and highly accurate date and time management.

Main features

The Low Power consumption configuration allows the RTC module to record timekeeping and system abnormalities on its own even when the main MCU is in sleep mode. Some products have a built-in temperature-compensated oscillator to guarantee and manage high-precision date and time information using only RTC module. AEC-Q100/200 compatible products are also available.

Oscillators

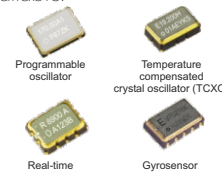
- SPXO
- TCXO
- VCXO

Crystal units

- kHz crystals
- MHz crystals

Quartz based sensors

- Gyro Sensors
- Inertial Measurement Units
- Accelerometers
- Vibration Sensors



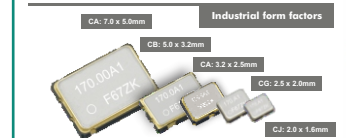
Programmable oscillators (P-SPXO)

Crystal oscillators that include a PLL circuit and can be programmed to output a desired frequency. Being able to program for any output frequency facilitates short-lead-time, small-lot production.

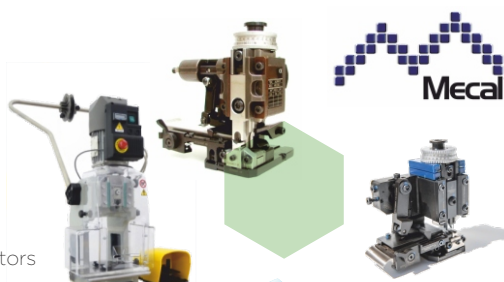
Available within 24h via [epson.microdis.net](http://epson.microdis.net) service

SG-8xxx SERIES

- Programmable frequency out of 0.67 to 170MHz range
- Power supply 1.6 - 3.6V
- OE function
- Standardized footprints from 7.0 x 5.0mm up to 2.0 x 1.6mm
- Multiple stability variants 15 / 20 / 50ppm
- Multiple temperature range variants -40 to 85 / -40 to 105 / -40 to 125°C
- Slow rate



Applicators Presses for all types of connectors



Other tools & applicators for RAST connectors

Applicators for: JST, LEAR, TYCO, JAE, FCI Testing tools



Pneumatic and hydraulic presses with dedicated dies compatible with WEZAG hand tool dies

