CODICO®

Linecard
2023

ACTIVE COMPONENTS | PASSIVE COMPONENTS | CONNECTORS

Active Components

Devices	a(c)oneer	AKM	AMPAK Technology Inc. Advanced Module Packaging Solution	AMPIRE
ASIX Electronics Corporation	Cologne Chip	COMPEX	COSEL	devolo
ECOS a bet group	FN-LINK Innovation For Surfing	INSYS Icom	IOT747	KEMET a YAGEO company
knowles	MPS	Multi-Inno Technology Co.,Ltd	NISSHINBO	nuvoTon
PANJIT SEMI CONDUCTOR	PARA light	PHIHONG	PXI	Qualcomm
QUECTEL	RECOM	Senseair	SEVENSTAX	Silvertel
Synaptics	THALES Building a future we can all trust	Thundercomm	ThunderSoft	TOREX SEMICONDUCTOR LTD.
			WSI	YB Yeebo International Holdings Ltd.

Passive Components

AiSHi THINK AHEAD.	celduc relais	KDS DAISHINKU CORP.	DIPTRONICS	EAT·N Powering Business Worldwide
elytone	GOODSKY	LTC	ISABELLENHÜTTE	KEMET a YAGEO company
NEXEM	Nidec All for dreams	NISSEI	Panasonic INDUSTRY	Rubycon
SAGAMI	SANYOU	ONG CHUAN	sumida	SunCon SUN Electronic Industries Corp.
TKS THINKING	TXC	VITROHM		

Interconnect Systems

Amphenol COMMUNICATIONS SOLUTIONS	Amphenol Industrial	CABLE ASSEMBLIES KABELKONFEKTIONEN	C.C.P. Contact Probes	CviLux Corporation
DINKLE	EAT·N Powering Business Worldwide	HRS HIROSE ELECTRIC EUROPE B.V.	inarca	Nidec All for dreams
PEI TEL	PIEZOMOTION	SINBON	STOCKO	STK Strikefan Electronic Co.,Ltd
sumida	UDE	YAMAICHI ELECTRONICS		

We develop solutions to enable your future products!

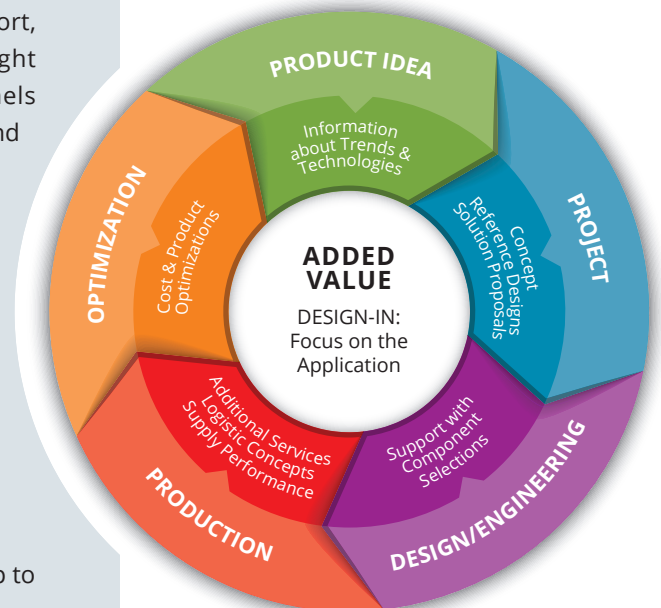| COMMUNICATION (WIRELESS)		
8DEVICES		
Embedded Wi-Fi Modules, SOMs (System on Module), Wi-Fi Radio Modules		
AMPAK		
Wi-Fi & Bluetooth Radio Modules		
COMPEX		
Wi-Fi PCIe Radio Modules for Access Points & Routers		
FN-LINK		
Wi-Fi and Bluetooth Radio Modules with USB, PCIe & SDIO Interface		
IOT747		
Bluetooth/Bluetooth Low Energy based Modules		
QUALCOMM		
Wi-Fi SoCs, Wi-Fi Radio ICs, Combo Radio ICs		
Bluetooth, aptX, cVc		
Snapdragon SOC		
QUECTEL WIRELESS SOLUTIONS		
GSM/GPRS, UMTS/HSPA, LTE & LTE-A, CAT-M & NB-IoT, 5G, Wi-Fi/BLE Modules		
Embedded SOM based on Qualcomm Snapdragon		
SYNAPTICS		
Wi-Fi Radio ICs, Wi-Fi/Bluetooth Combo ICs		
DECT ULE ICs & Modules		
THALES		
IoT Modules, Gateways & Modem Cards		
5G, LTE, LTE Cat M, Cat NB-IoT		

CODICO is dedicated to design-in, marketing and sales of top quality electronic components. Our product range includes **active components** and **passive components**, as well as **interconnect systems**. Together with cross-disciplinary project management, we provide technical support, consultation, and advice, from the initial development phase right through to production and beyond. Short communication channels within our organisation guarantee rapid and highly competent care and attention.

Working closely with our suppliers, CODICO is able to advise customers on the latest trends in technology as well as sharing product roadmaps. In addition to offering technical solutions CODICO also keeps a close eye on prices and lead-times, ensuring the right parts are delivered to the right place at the right time. Our ability to include flexible customer-specific logistics is also a key strength of CODICO.

SERVICES PROVIDED
- We offer technical support from the very beginning of the project up to the order and beyond.
- Besides the technical solution we focus on availability, price and developments of the market.
- Very close cooperation and relationships with our suppliers gives early notice of trends and technologies.

ADDED VALUE
DESIGN-IN: Focus on the Application

PRODUCT IDEA — Information about Trends & Technologies

PROJECT — Concept Reference Designs Solution Proposals

DESIGN/ENGINEERING — Support with Component Selections

PRODUCTION — Additional Services Logistic Concepts Supply Performance

OPTIMIZATION — Cost & Product Optimizations

Active Components

COMMUNICATION (WIRED)

8DEVICES
HomePlug Green PHY, IEC 15118 Modules

ASIX
Fast Ethernet Controllers (MAC+PHY)

USB to Ethernet Chips

Gigabit Ethernet MAC, WLAN MAC/Controllers

RS-232/485 Transceiver ICs

PCI/PCIe Interface ICs

EtherCAT Slave Controller

DEVOLO
HomePlug Green PHY, IEC 15118-3 Modules

INSYS
HomePlug Green PHY, IEC 15118-3 Modules

QUALCOMM
Broadband Power Line Communication
(also over Coax & Twisted Pair)

HomePlug Green PHY Power Line Communication

Ethernet Switches & PHYs

Snapdragon SOC

SEVENSTAX
IEC/ISO15118 / DIN70121 / SAE J2847/2
Message Decoder, Electric Vehicle &
Charging Station Protocol Stack Simulator

GENERAL PURPOSE

AKM
Digital Audio DACs / ADCs

Hall ICs

COLOGNE CHIP
FPGAs

KNOWLES
Audio Edge Processors

MPS
Motor Control ICs, Bridge-Drivers, Pre-Drivers
& FOC Motor Drivers, Stepper Motor Drivers

Fan-Drivers, Solenoid Drivers, Digital Isolators,
Class D Audio Amplifiers

NISSHINBO MICRO DEVICES INC.
Audio & Video ICs, RF Devices, Optoelectronic
Devices, Motor ICs, Operational Amplifier

NUVOTON
ARM Cortex Microcontrollers

ISD ChipCorder ICs

CODECs

PANJIT SEMICONDUCTOR
Diodes (Schottky, SiC Schottky,
Rectifier, Bridges, Zener)

ESD Protection, TVS

MOSFETs & Transistors

QUALCOMM
Snapdragon Application Processors

SYNAPTICS
Audio CODEC & DSP,
AD Converters & Voice-Speech Processors

Video Interfaces USBc-DPI, Display Driver ICs,
Touch Controller ICs

THUNDERCOMM
Computing, Audio & Cellular SOMs based on
Qualcomm's Snapdragon Processors

Edge AI Boxes

Turnkey Product Development

Engineering Services for
Qualcomm SoC Platforms

THUNDERSOFT
Engineering Services for Automotive
Snapdragon Processors

POWER CONVERSION

COSEL
AC/DC & DC/DC-Medical & Industrial Power Supplies

Formats: PCB, potted, SMT, THD, Din Rails

Configurable/Modular/
Semi-Custom/Special Purpose

EOS POWER
AC/DC & DC/DC-Medical & Industrial Power Supplies

Formats: 2x3" & 2x4" & 3x5"
Low Profile options available: 1" & 0.75"
Optional housings

Configurable/modular/
semi-custom/special purpose

MPS
DC/DC Converter ICs
(Buck, Boost, Buck-Boost, LDOs)

DC/DC Modules with Integrated Inductors,
DC/DC Open Frame Modules,
Programmable Modules

Isolated Gate Drivers,
Isolated Power Modules, PMICs

AC/DC Converter ICs (Buck, Flyback, Forward),
PFC Controllers, Synchronous Rectifiers

LED Drivers & CCFL Drivers

USB Load Switches, Battery Chargers,
Battery Management ICs, Fuel Gauges

Automotive AECQ Qualified Products

NISSHINBO MICRO DEVICES INC.
Power Management ICs

PHIHONG
ITE/Industrial/Medical External Wallplug &
Desktop Adapters, Highly reliable & efficiency,
ErP Lev V, ErP Lot 7, DOE Lev VI compliant

PoE/PoE+/BT Midspans, Injectors, Splitters

Configurable/Custom versions available

RECOM
AC/DC & DC/DC-Medical (EN60601),
Industrial (EN62368), Household (EN60335)

DC/DC Converters
for Railway Applications (EN50155)

Miniature OVC III AC/DC- & DC/DC-
PCB Mount Modules for EVSE Applications

SILVER TELECOM
Miniature PoE-Splitter &
Injector Modules (PoE/PoE+/BT)

TOREX SEMICONDUCTOR LTD.
Micro DC/DCs with Built-in Inductors

DC/DC Converter ICs, Step-Up,
Step-Down, Step-Up/Down

LDOs, Voltage Detectors, Reset ICs

Power Switches, Battery Charger ICs

Schottky Barrier Diodes, TVS Diodes

OPTO ELECTRONICS

AMPIRE
Character & Graphic LCD Modules

Customized Display Solutions

TFT Displays

Resistive & Capacitive Touchpanels

MULTI-INNO TECHNOLOGY
Character & Graphic LCD Modules

Customized Display Solutions

TFT Displays

Resistive & Capacitive Touchpanels

OLED Displays

PARALIGHT
LEDs & LED Displays

WISECHIP
Character & Graphic OLED Displays

Full Color- & Area Color OLED Displays

Capacitive Touchpanels

Customized OLED Solutions

YEEBO
Segment, Character & Graphic LCD Modules

Customized Display Solutions

TFT Displays

Resistive & Capacitive Touchpanels

SENSORS

ACCONEER
Radar Sensor & Modules

AKM
Hall ICs Sensors, Current Sensors,
Rotary Position Sensors, Infrared Detection ICs

KEMET
Residual Current Sensors

KNOWLES
Smart Microphones

MEMS & MEMS with Voice Activation

Balanced Armatures

MPS
Spinaxis Rotary Position- & Angle-Sensors

Current Sensors

NISSHINBO MICRO DEVICES INC.
Dust-, Infrared- & Pressure Sensors

PIXART
Optical Tracking (DOF 1mm, up to infinity)

Object Motion Sensing (Gesture Recognition,
Ambient Light Sensor, Prox. Sensor,
Multi Object Tracking)

FIR (Far Infrared Sensor)

Optical Sensor for: Distance,
Fire Smoke Detection, Optical Encoder

Intelligent Object Detection

Heart Rate Monitor (SpO2, HRV,...)

Capacitive Touch

CMOS Image Sensor

QUECTEL
GPS, GNSS Modules

SENSEAIR
CO_2 Sensors

Passive Components

AISHI
SMD Aluminum-Electrolytic Capacitors
Aluminum-Electrolytic Capacitors Radial Type
Aluminum-Electrolytic Capacitors Snap-In Type
Aluminum E-Caps with Screw Terminals
Aluminum-Polymer Capacitors
Film Capacitors

CELDUC RELAIS
Solid State Relays
Reed Switches & Reed Relays
Magnetic Sensors

DAISHINKU KDS
Quartz Crystals
Simple Package Crystal Oscillator (SPXO)
Temp. Compensated Crystal Oscillator (TCXO)
Differential Output Crystal Oscillator
Monolithic Crystal Filter (MCF)
MEMS Oscillators

DIPTRONICS
DIP Switches
Tact Switches
Rotary Coded Switches
Push & Slide Switches
Detector Switches
Micro Switches

EATON
Power Inductors
Metal Alloy Inductors
Electric Double Layer Capacitors
Hybrid-Supercaps
Chip Inductors
Ferrite Beads
Fuses
Noise Suppression Chokes

ELYTONE
Transformers for Power-Supplies
High Power Inductors
Noise Suppression Chokes
Planar-Transformer

GOODSKY
Reed Relays
PhotoMos Relays
Signal Relays
Power PCB Relays
Panel-/Plug-In Relays & Sockets
Automotive Relays

HJC - HUA JUNG COMPONENTS
Film Capacitors

ISABELLENHÜTTE
Current Sense (Shunt) Resistors
Precision Resistors

KEMET
Aluminum-Electrolytic Capacitors Snap-In Type
Aluminum E-Caps with Screw Terminals
Film Capacitors
X-/Y-Capacitors
Power Film Capacitors
Motor Run Capacitors
Aluminum-Polymer Capacitors
Aluminum-Polymer Hybrid Capacitors
Tantalum-Polymer Capacitors
Electric Double Layer Capacitors
Ceramic Capacitors
EMI Power Line Filters

NEXEM
Signal Relays
Automotive Relays

NIDEC
Trimmer Potentiometers (SMD/THT)
Rotary & Rotary Code Switches
DIP Switches
Rocker, Toggle, Slide & Pushbutton Switches
Encoders

NISSEI
Customized Power Film Capacitors

PANASONIC
Aluminum-Polymer Capacitors *OS-CON, SP-Cap*
Tantalum-Polymer Capacitors *POSCAP*
Aluminum-Polymer Hybrid Capacitors
Film Capacitors
Encoders
Resistors
Light Touch & Detector Switches
Metal Composite Inductors
Pyrolytic Graphite Sheet »PGS«

RUBYCON
SMD Aluminum-Electrolytic Capacitors
Aluminum-Electrolytic Capacitors Radial Type
Aluminum-Electrolytic Capacitors Snap-In Type
Aluminum-Polymer Hybrid Capacitors
Polymer Multi-Layer Capacitors
Film Capacitors

SAGAMI
Power Inductors
Chip Inductors
Class-D Inductors

SANYOU
Signal Relays
Power PCB Relays
Automotive Relays
Latching Relays
DC High Voltage Relays

SONG CHUAN
Relay for EV Charging AC-System
Relay for EV Charging DC-System
Power Relay for Solar Inverters

SUMIDA
Ferrites
Transformers for LF-, HF & Telecom Applications
Power Inductors
Noise Suppression Chokes
Chip Inductors

SUN ELECTRONIC INDUSTRIES
SMD Aluminum-Electrolytic Capacitors
Radial Aluminum-Electrolytic Capacitors
Aluminum Polymer Hybrid Capacitors *EP-Caps*

THINKING ELECTRONICS
Varistors (MOV)
Gas Discharge Tubes (GDTs)
NTC Thermistors
PTC Thermistors
Polymer PTC Resettable Fuse
Temperature Sensors

TXC
Tuning Fork Quartz Crystals (32.768kHz)
Differential Output Crystal Oscillator
Oven Controlled Crystal Oscillator (OCXO)

VITROHM
Fusible Resistors
Precision Resistors
Pulse Resistors
Power Resistors
Shunt Resistors
High Voltage Resistors

Interconnect Systems

AMPHENOL CS
Backpanel Connectors
Hybrid & Power Solutions
Wire/Cable/Flex/Board-to-Board Connectors
I/O Storage Interface Connectors
Industrial Ethernet
(Single Pair Ethernet, ix Industrial™)

AMPHENOL INDUSTRIAL
Power Connectors with Radsok® Technology
Chip Card Connectors
Circular Connectors Industrial & Aeromil
Flexible Printed Circuit Boards (FPC)
Waterproof Connector Solutions
M8/M12 Connectors and Cables
Heavy Duty Connectors Rectangular
Customer Specific Cable Harnesses
HV/EV Connections
Bus Bars

CABLE ASSEMBLIES
Cable Assemblies for Industrial Applications
Flat Cable Assemblies & Jumpers
RF Miniatur Coaxial Jumper Cables
Shielded Data Cables & I/O Assemblies
Wire/Cable/Flex-to-Board Assemblies

CCP CONTACT PROBES
PCB Test Probes
Pogo Pins (Single Pins & Assemblies)
IC Test Probes
High Current Contacts (Ground Spring)

CVILUX
Flexible Flat Cables (FFC) & Connectors
Wire-to-Board Connectors
Board-to-Board Connectors
I/O Connectors

DINKLE
Screw Type Terminal Blocks
Spring Type Terminal Blocks with Push-In Design
Pluggable Terminal Blocks
DIN Rail Housings & Terminal Blocks
M8/M12 Connectors & Cables

EATON
Souriau Circular & Rectangular Connectors

HIROSE
Miniature Connectors
(Wire/Cable/Flex/Board-to-Board)
Circular Connectors (Audio, Industrial)
RJ45 & Interface Connectors
RF/Coax Connectors & Assemblies
FFC/FPC Connectors
High Power Connectors
Battery Storage Connectors
Industrial Ethernet
(Single Pair Ethernet, ix Industrial™)

INARCA SPA
Chain Terminals
PCB Crimp Contacts
Rast Connectors
Connector Systems with IDC &
Crimp Termination
Semi-Automatic Machines/Toolings

NIDEC
DC Fans & Blowers
DC & BLDC Motors
Stepping Motors & Drivers
EC Motors

PEI TEL
Microphones & Loudspeakers
USB Handsets & Others
USB Desktop Microphones (Desktop Systems)

PIEZO MOTION
Piezo Motors

SINBON
Overmolded Cable Assemblies
Mechanical Parts & Housing Parts
Specific Connector Solutions
HV/EV Connections
Battery Charging Solutions
Antenna Solutions

STOCKO CONTACT
Solderless Contacts & Chain Terminals
Connector Systems with IDC &
Crimp Termination
Leadframes/Bus Bars

STRIKEFAN
AC/DC Fans & Blowers
EC Fans & Blowers
Heat Sinks
Thermal Pads

SUMIDA FLEX
Flexible Board Connections
PANTA© Jumper (SMD, FIX, FLL, IDC)
Flexible Flat Cables

UDE
RJ Modular & Magnetic Jacks
USB Combo Connectors

YAMAICHI ELECTRONICS
PU, Test- & Burn-In Sockets
Card Connectors
High Speed Connector Systems
I/O Industrial Connectors (Y-Con)
Circular Connectors Push-Pull & M12 (Y-Circ)
Flexible Flat Cables (FFC) & Connectors

YAN SHIN
SMD/EMI Contacts
Battery Contacts
Spring Contacts
Metal Clips
EMC Shielding

Check out our website
www.codico.com