Phoenix Technologies

One stop logistic and technical source for your components needs

INDUSTRIAL COMMUNICATIONS GREEN ENERGY MEDICAL DEFENCE SECURITY SPACE

Advanced components for a broad range of applications

General

A leading franchised stocking distributors and representative. Portfolio includes: IPs, modules, electronic components, ASIC and development tools.

Product portfolio: Active, Electromechanical, Passive & RF components & modules
Market coverage: Commercial, Industrial, Medical, Military, Security and Space
Stock: Extensive stock in Israel
Market coverage: Israel, Greece, Turkey

Facts & Figures

› Private company	
› Established in	1991
› Employees in group	65
› Application Engineers	7
› Electronic Engineers	25
› Facility (sq. meters)	1,300
› Warehouse (sq. meters)	300

Competitive Edge

› Leading company in its field
› Strong technical and logistic support
› Wide and complementary product offering
› Programs with large customers
› Wide presence in the Israeli market
› Multiyear experience in schedule sharing and VMI
› Proven record in the industry

Mission statement

› **Shorter "time to market" for customer and manufacturer**

› **Focus on technical support**

Phoenix Technologies LTD.
3 Hagavish Street, Kfar-Saba, 4442209, Israel   **Tel** 972-9-764 4800   **Fax** 972-9-764 4801   **Email** info@phnx.co.il   **Web** www.phnx.co.il

DSTREAM   DS5 Pro/Ultimate   Evaluation Board
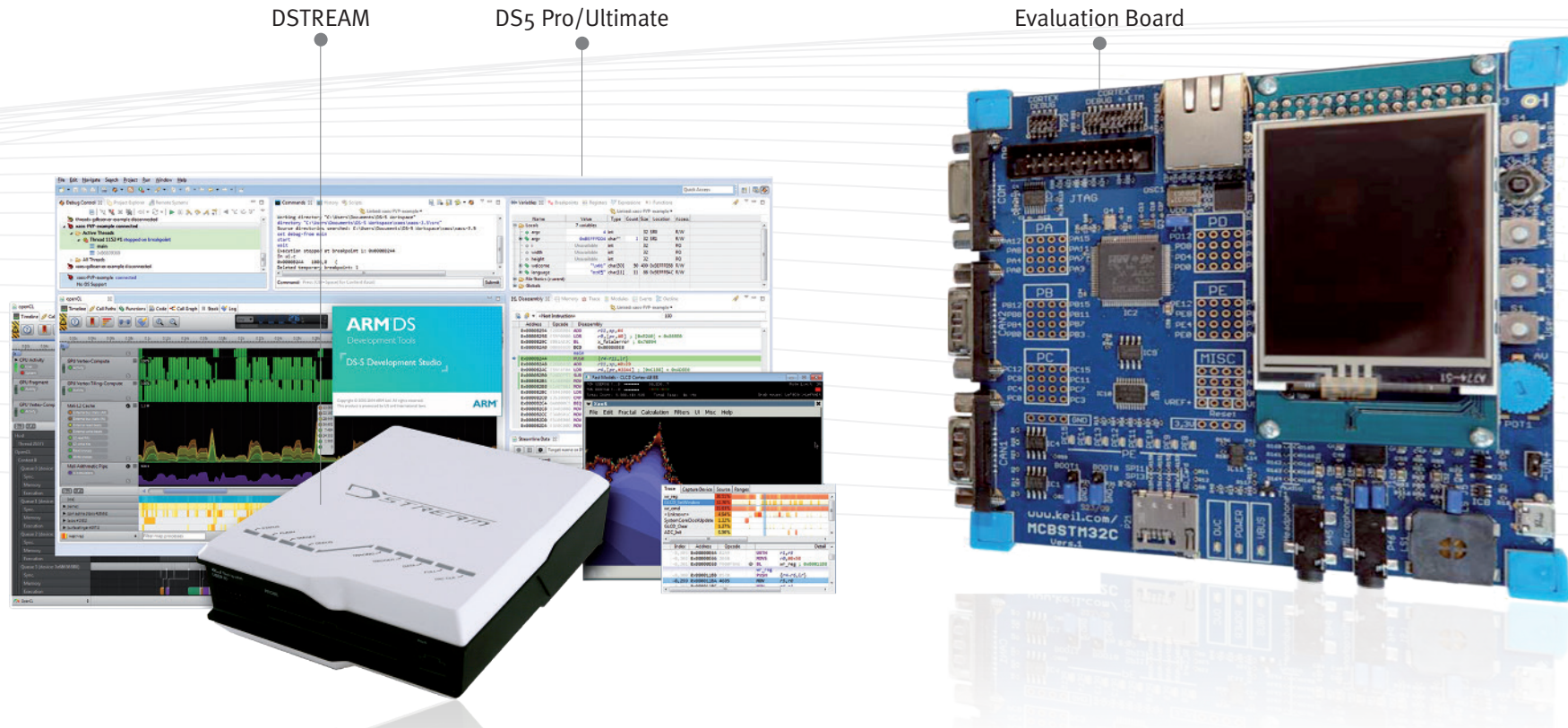
Type

ARM compiler 5
ARM compiler 6
DS-5 Eclipse IDE

ARM DSTREAM
High performance ICE&Trace
Streamline Linaro GCC

Applications

Supports all ARM Cores – including Cortex –M, Cortex-R, Cortex-A

Market Segments

All segments

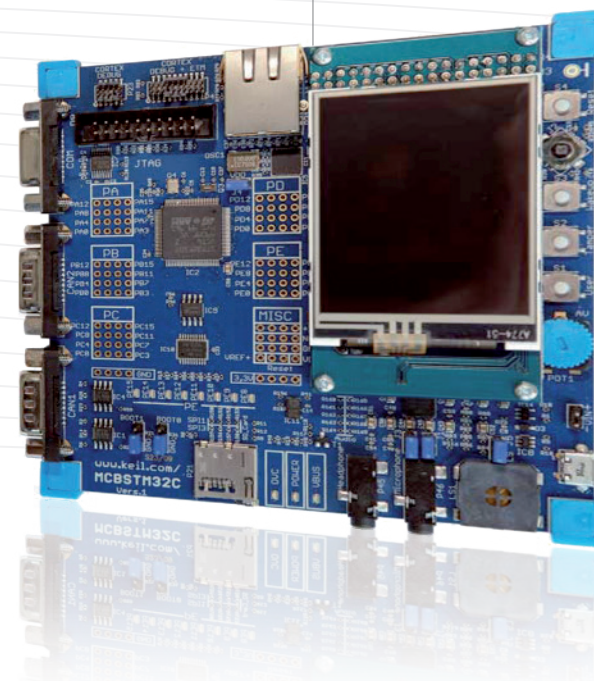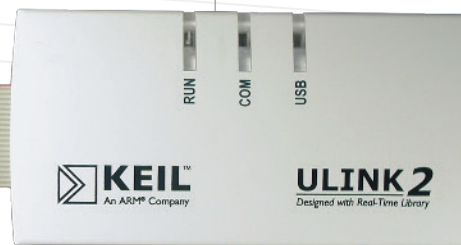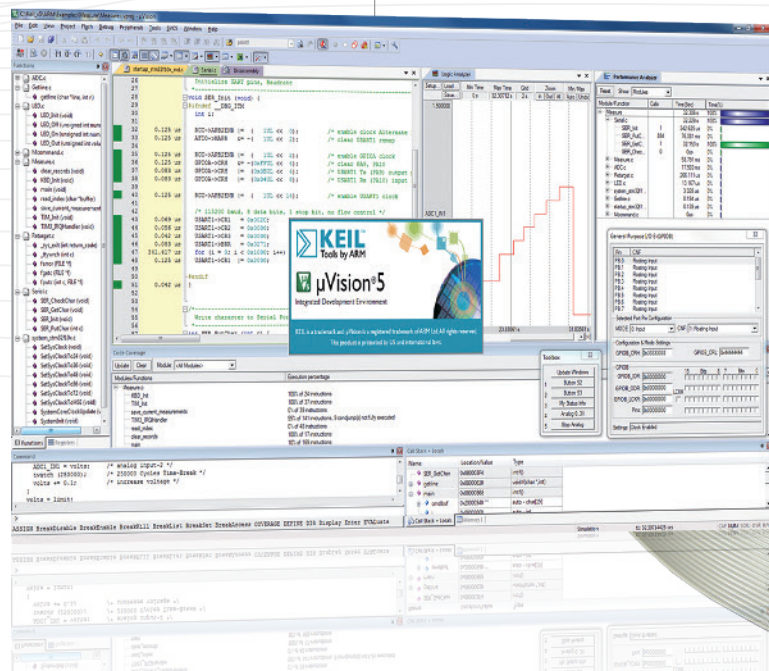Available from Phoenix Technologies
by these manufacturers:

ARM
www.arm.com

KEIL
Tools by ARM
www. keil.com/arm/mdk.asp

µ Vision

ULINK2, ULINK PRO
ULINK PLUS

Evaluation Board

Type

ARM Compiler	RTX Real Time Operating	ARM Compiler 6
ARM Debugger	System	CMSIS RTOS RTX
Device Simulation	ULINK2 JTAG Interface	
Keil µVision IDE	ARM Compiler 5	

Applications

Cortex M	V8-M architecture
Cortex R-4	Cortex A/M
ARM 7, ARM 9	
SecurCore	

Market Segments

All segments

Available from Phoenix Technologies
by these manufacturers:

KEIL Tools by ARM

www.keil.com/c51

Synapse
ASIC & FPGA Services
System Engineering
S/W Engineering

MegaChips
Leading mixed signal ASIC vendor
High end SerDeses and AFEs
Production Services

SanKalp
Mixed Signal SoC Design
Digital Design Analog & Digital IPs
Board / System Design

ARM
IP Integration Tools
I/O Fabric Integration
IP Packaging Register Management
IP Assembly & Connectivity

IP Cores
Compression & Encryption
DSP
Wireless Communication

Available from Phoenix Technologies
by these manufacturers:

ARM
www.arm.com

IP CORES
www.ipcores.com

MegaChips
www.megachips.com

SANKALP
semiconductor
www.sankalpsemi.com

SYNAPSE
design
www.synapse-da.com

Data Converters

Amplifiers

AD9625-2.6
12-BIT 2.6 GSPS
A/D CONVERTER

▶ Superior Performance
▶ SnPb Package

AD9625-2.6

12mm

D/A CONVERTER OFFERS
MORE ACCURACY IN A
SMALLER FOOTPRINT FOR
DIVERSE APPLICATIONS
RANGING FROM RADAR
TO SMARTPHONE TESTING

AD9164

LOWEST NOISE,
EASIEST TO USE
ZERO-DRIFT OP AMP

▶ Low offset (5 µV) and drift (22 nV/°C)
▶ Operates from 5 V to 55 V
▶ Integrated EMI filters

ADA4522-2

ANALOG DEVICES
EXPANDS GaN POWER
AMPLIFIER PORTFOLIO
WITH TWO BROADBAND
6 GHz MODULES

Type

Analog to Digital converters
Digital to Analog converters
Amplifiers

Applications

Radar
Electronic Warfare
Motor Control

Data acquisition
Power monitoring & QOS
Medical Imaging

Market Segments

All Segments

Available from Phoenix Technologies
by these manufacturers:

ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

Formerly

Hittite
MICROWAVE PRODUCTS
FROM ANALOG DEVICES

www.analog.com

RF

Power Management

TECHNOLOGY AND
DESIGN ECOSYSTEM

ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

- Integrated transceiver technologies
- Radio design environment
- Technical and market insights

AD9371
Wideband RF
Transceiver

RadioVerse™

CONCEPT TO CREATION AT LIGHT SPEED

Integrated RF Performance

ANALOG DEVICES
ADRF6720
I/Q Modulator

ANALOG DEVICES
ADRF6820
I/Q Demodulator

ANALOG DEVICES
ADRF6612
Dual Mixer

ADM1272
HIGH VOLTAGE POSITIVE
HOT SWAP CONTROLLER

ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

- Superior Board Protection
- Minimizes Downtime

ADM1272

HIGHLY EFFICIENT
ENERGY HARVESTING
FOR IoT APPLICATIONS

ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

ADP5091

Type

RF Transceivers, Mixers, PLLs
Modulators/Demodulators
Switches, Power Detectors
Upconverters/Downconverters

Regulators, Supervisors, Sequencers,
Battery chargers, Monitors, Hot Swap
Digital Power CTRL, Display & Lighting

Applications

Radar   Networking
Electronic Warfare
Medical Imaging
IoT

Market Segments

All Segments

Available from Phoenix Technologies
by these manufacturers:

ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

www.analog.com

MEMS & Sensors

Interface & Isolation

Processors & DSP

LOW NOISE, HIGH FREQUENCY MEMS ACCELEROMETERS FOR CONDITION MONITORING
ADXL1001/ADXL1002

LOW NOISE, LOW DRIFT, LOW POWER MEMS ACCELEROMETERS
ADXL354/ADXL355

ADP107x ISOLATED POWER CONTROLLER
▸ Reduces Design Complexity
▸ Improves Reliability
iCoupler

CLOCK JITTER ATTENUATOR OPTIMIZES JESD204B SERIAL INTERFACE FUNCTIONALITY IN BASE STATION DESIGNS
HMC7044

REAL-TIME DSP SOC 24 GFLOPS UNDER 2 WATTS
▸ High Bandwidth Connectivity
▸ FFT/iFFT Accelerator
ADSP-SC58x
DUAL CORE SHARC
ARM Cortex-A5

ULTRALOW POWER MICROCONTROLLER FOR POWER SENSITIVE IoT APPLICATIONS
ADuCM302x

Type

		Applications		Market Segments
IMUs, Inclinometers	RS-232/RS-485/RS-422	Navigation,	Building Automation &	All Segments
Gyroscopes, Accelerometers	Analog Micro-Controllers	Vital Signs Monitoring	Security Systems	
Level Translators, Digital Isolation	Mixed-Signal Control Processors	Video Processing		
Automotive Interfaces, LVDS/MLVDS	Digital signal Processors	Audio Systems		

Available from Phoenix Technologies
by these manufacturers:

ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™
www.analog.com

ARINC 429
Protocol ICs and bridges
Line Drivers
Line Receivers
Integrated Lighting Protection

MIL-STD-1553
Integrated IC Solutions
Transceivers
Transformers

ARINC 825 (CAN)
Protocol ICs
Transceivers
Up to 175C operation

Discrete-to-Digital Sensors
Open/GND or 28V/Open
Programmable Thresholds
Up to 32 Channels
SPI Interface
Integrated Lightning Protection

HOLT

HI – 2130LBTF
13 – 10 – 8020
1632

MAMBA™
HI-6138

RS485 / 422
Transceivers
Up to 200C operation

Analog Switches
Up to 200C Operation
Outside-the-rail switches
Open-circuit when powered off

ARINC 717
Data Recorder Protocol ICs
Transceivers

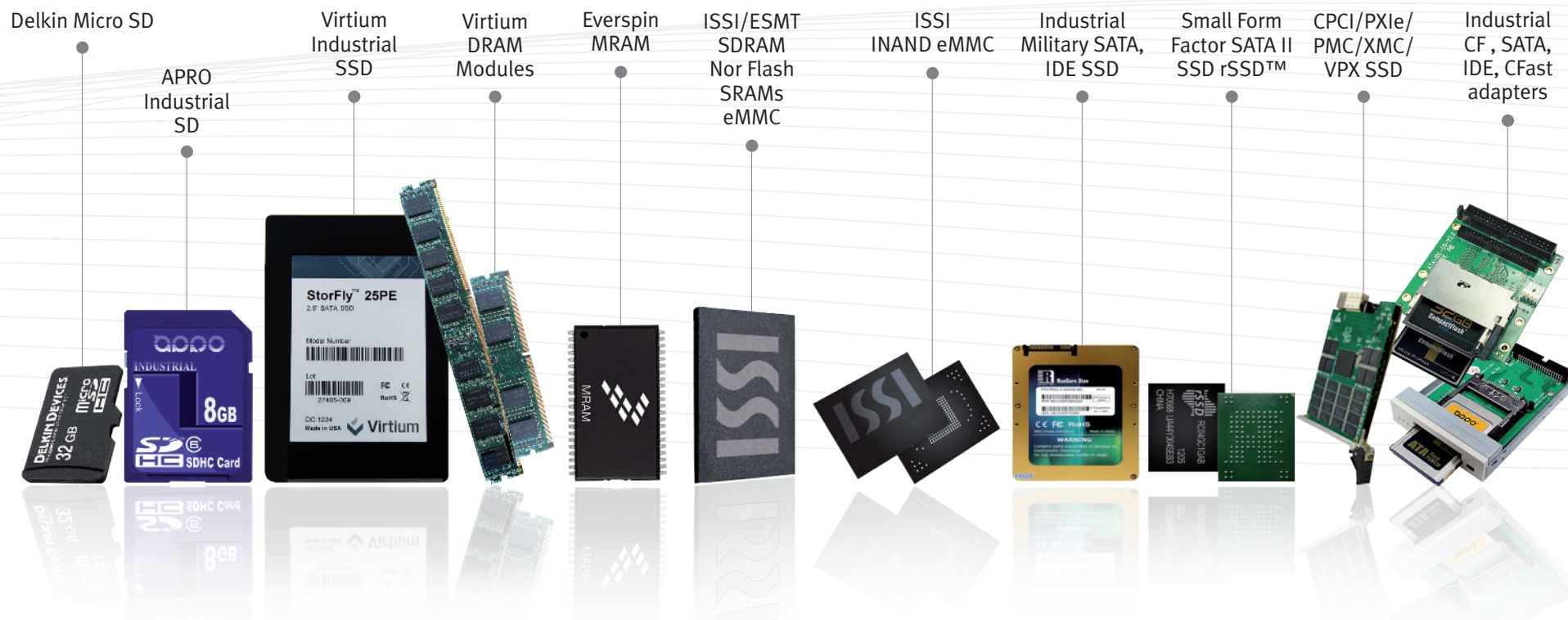| **Type**	**Applications**		**Market Segments**
Analog and mixed signal IC data bus solutions to the avionics military & commercial industry	Flight control Navigation Engine management	Communications, Safety systems Flight entertainment systems	Avionic Mil & commercial UAV's Automotive

Available from Phoenix Technologies
by these manufacturers:

HOLT INC
INTEGRATED CIRCUITS
www.holtic.com

Delkin Micro SD

APRO
Industrial
SD

Virtium
Industrial
SSD

Virtium
DRAM
Modules

Everspin
MRAM

ISSI/ESMT
SDRAM
Nor Flash
SRAMs
eMMC

ISSI
INAND eMMC

Industrial
Military SATA,
IDE SSD

Small Form
Factor SATA II
SSD rSSD™

CPCI/PXIe/
PMC/XMC/
VPX SSD

Industrial
CF , SATA,
IDE, CFast
adapters

Type

SSDs, microSD, SD, eMMC, mSATA
SPI/Parallel Nor Flash, Nand Flash
Asyn/Syn Low Power/Fast SRAMs
SDRAMs, DDRs

Rugged Storage Solutions:
Industrial Cards, CF Cards, SD, microSD,
SSD Drives
Serial/Parallel MRAM

Applications

All products

Market Segments

Airborne	Medical
Datacom	Military
Communications	Security
Computing	Telecom
Industrial	

Available from Phoenix Technologies
by these manufacturers:

apro-tw.com   chiplus.com   delkinoem.com   esmt.com.tw   everspin.com   issi.com   runcore.co/en   virtium.com

**Low Cost Low Power
Ethernet Solutions**
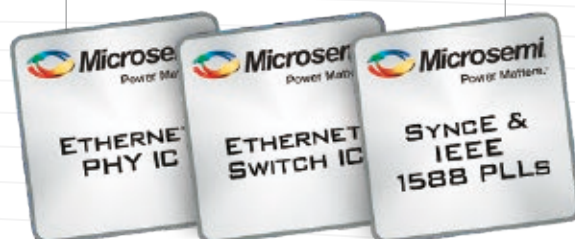
**15Watt-95Watt
Power Over Ethernet (PoE)**

Audio and Voice

ETHERNET PHY IC

ETHERNET SWITCH IC

SYNCE & IEEE 1588 PLLs

PoE PD IC

PoE PSE IC

TIMBERWOLF AUDIO PROCESSORS

TELEPHONY IC SOLUTIONS

VOICE LINE CIRCUITS (SLICs)

VOICE ECHO CANCELLATION ICs

Type

		Applications	Market Segments		
Carrier / Ethernet Switches	SERDES (Multi rate up to 11.4 Gbps)	All products	Commercial	IoT	Security
Ethernet Switches	Signal Integrity & Cable Drivers	Fiberoptic Communication IC's	Datacom	Medical	Telecom
High Speed			Data Processing	Military	
PHY			Industrial	Military Video	

Available from Phoenix Technologies
by these manufacturers:

Microsemi
Power Matters

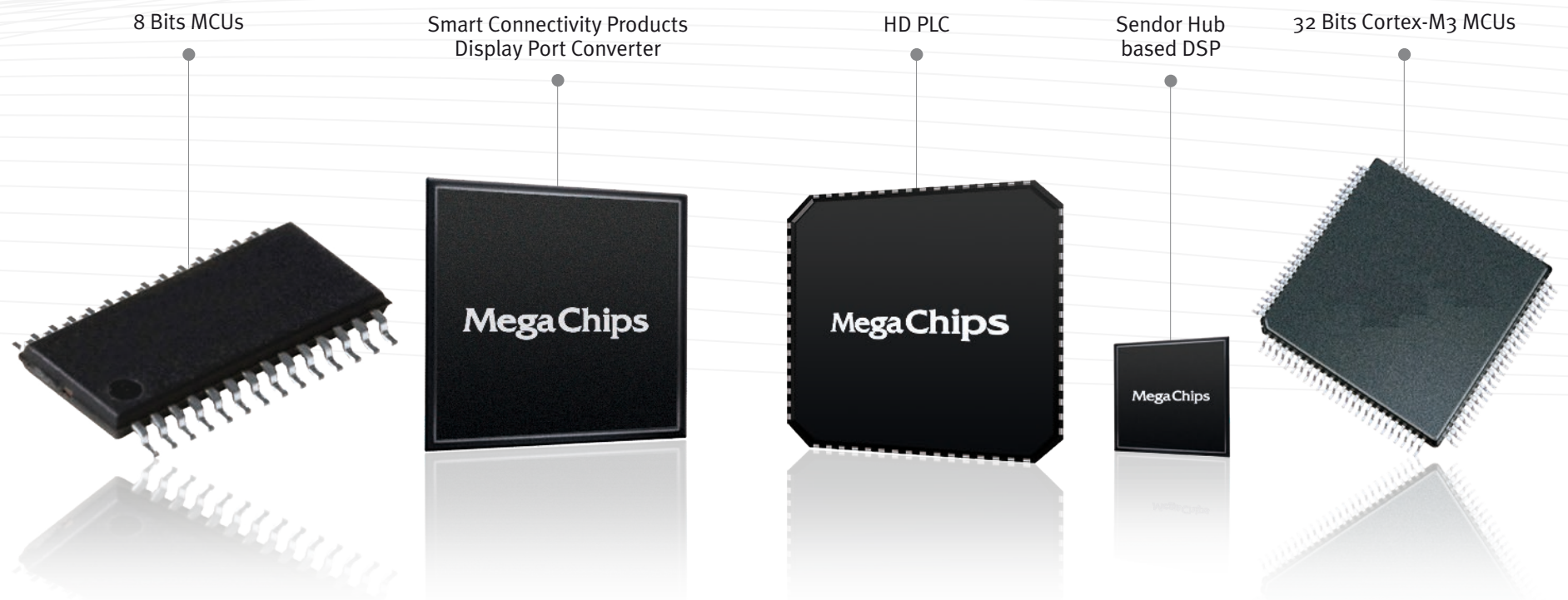www.microsemi.com   Vitesse and PMC are now Microsemi

Timing Solutions

FPGA & SoC

Clock Management ICs

Microsemi Power Matters. FLASHTEC NVME CONTROLLER	Microsemi Power Matters. PCIe FANOUT SWITCH (PSX PCIE)	Microsemi Power Matters. PCIe STORAGE SWITCH (PFX PCIE)

Microsemi Power Matters. POLARFIRE™ FPGA Cost Optimized Lowest Power Mid-Range Densities	Microsemi Power Matters. SMARTFUSION²2 SoC FPGA	Microsemi Power Matters. IGLOO®2 FPGA

Microsemi Power Matters. CLOCK SYNTHESLS	Microsemi Power Matters. CLOCK FAN-OUT BUFFERS	Microsemi Power Matters. FREQUENCY CONVERSION & JIFFER ATTENUATION	Microsemi Power Matters. NUMERICALLY CONTROLLES OSCILLATORS

Type

Glue Logic
Clock Distribution
SoC Solutions
CPLD & FPGA Solutions
Programmable Solutions

Applications

Secured Systems and products
Clock Trees
IEEE1588v2
FPGA&CPLD

Market Segments

Military
Medical
Telecom
IoT
All Segments

Available from Phoenix Technologies
by these manufacturers:

Microsemi
Power Matters.

www.microsemi.com

8 Bits MCUs

Smart Connectivity Products
Display Port Converter

HD PLC

Sendor Hub
based DSP

32 Bits Cortex-M3 MCUs

Type

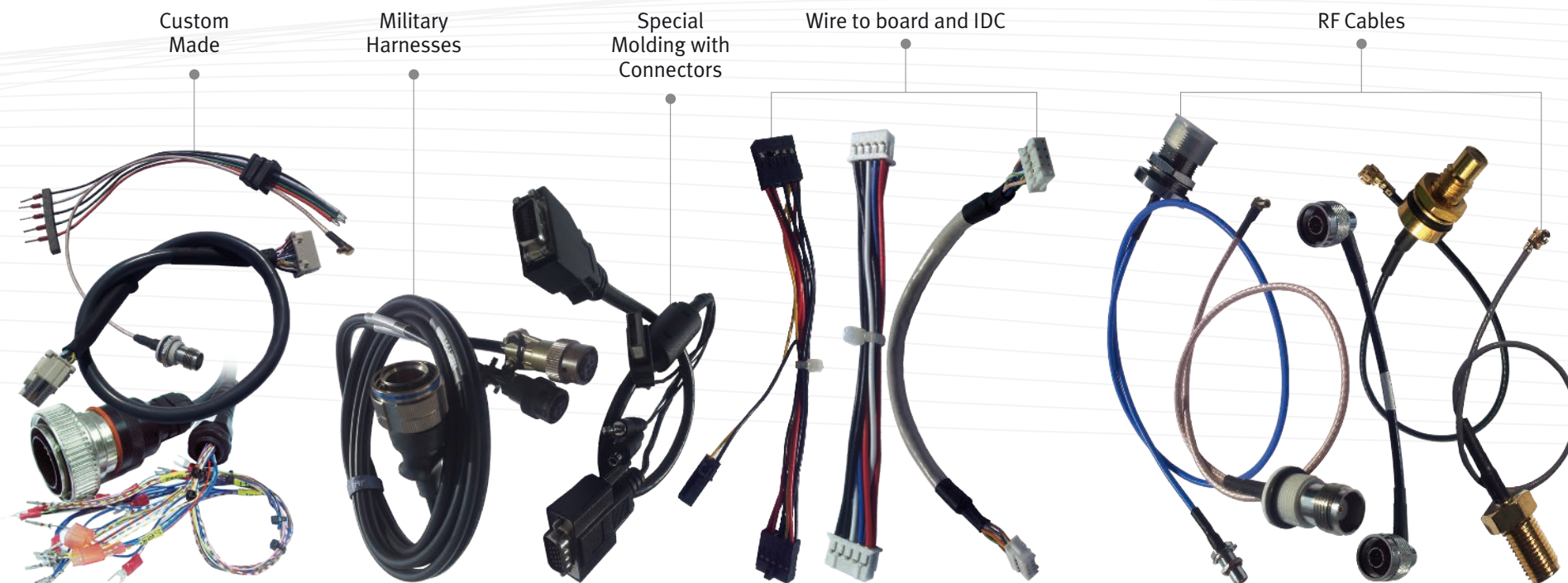|		Applications	Market Segments
Encoders/Decoders Memory Micro-Controllers 8 Bits OTP & Flash	Micro-Controllers 32 Bits Cortex M3 Power Management (Regulators, Detectors)	All products	All Segment

Available from Phoenix Technologies
by these manufacturers:

HOLTEK
www.holtek.com.tw

MegaChips
www.megachips.com

Custom
Made

Military
Harnesses

Special
Molding with
Connectors

Wire to board and IDC

RF Cables

Type

Communication	Telecom
Medical	Custom and Standard
Military	
RF	

Style

Crimped
IDC
Molded
FPC

Applications

All products

Market Segments

Commercial	RF and Wireless
Industrial	Security
Medical	Space
Military	Communications

Available from Phoenix Technologies
by these manufacturers:

ALiner
www.aliner.com.tw

CLEC
www.clecgroup.com

FORSTAR
www.forstar.com.cn

FOXCONN
www.foxconn.com

TTAF
www.ttaf.com.tr

Strip   Micro D   D-Sub   Sealed   Circular Connectors   Audio Connectors

Type

Customized connectors	Mil-C-5015	Mil-D-38999 series 1-4
Mil-C-24308	MIL-C-55116	VG95234
Mil-C-22992	MIL-C-55181	
Mil-C-26482	MIL-C- 83513 (Micro D)	

Applications

Communication Systems
Defense Equipment
Marine Systems
Test Equipment

Market Segments

Industrial
Military

Available from Phoenix Technologies
by these manufacturers:

ab Connectors
www.abconnectors.com

**POWER
CONNECTOR INC.**
www.pcicorporate.com

Memory Card
Mini SD
Micro SD
Sim Card

Board to Board
Connectors

Edge
Connectors

2mm Hard Metric

DDR3/DDR4
connectors

DIN41612

SFP+ & QSFP

Modular
Jacks

PCI Express
M.2 NGFF

SO-DIMM

Mini USB
USB Type C

Automotive
Sealed
Connectors

Type
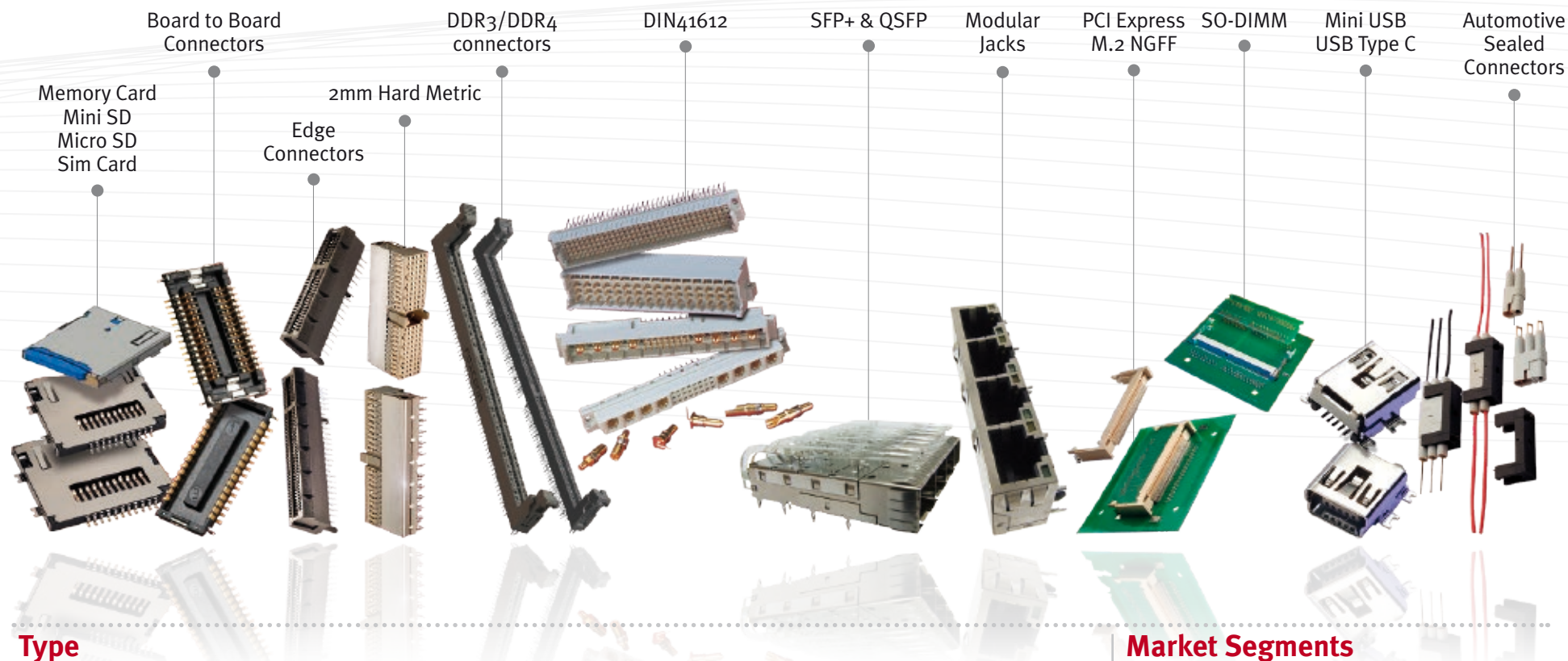
DIN Connectors	High Speed Board to Board	PCI, PCI Expres M.2 s
Fiber Optic Connectors	Input/Output Connectors	Power Connectors
Fine Pitch Board to Board	Memory Card Communications	SO DIMM DDR3/DDR4
Hard Metric connector 2mm	Modular Jacks	

Market Segments

Medical	Networking
Military	Set-up Boxes
Household	Gaming
PC's and Portables	Vehicles

Available from Phoenix Technologies
by these manufacturers:

KYOCERA
www.global.kyocera.com

MAJOR LEAGUE Electronics
A KEY Company
www.mlelectronics.com

FOXCONN
www.foxconn.com

AVX
A KYOCERA GROUP COMPANY
www.avxcorp.com

PINREX
www.pinrex.com.tw

Custom made
Battery Connectors

FFC/FPC
Connectors

Terminal Blocks

Wire to Board
IDC Connector

MOBO
Special
Connector

Box Headers

Sealed Connectors
with Pogo-Pins
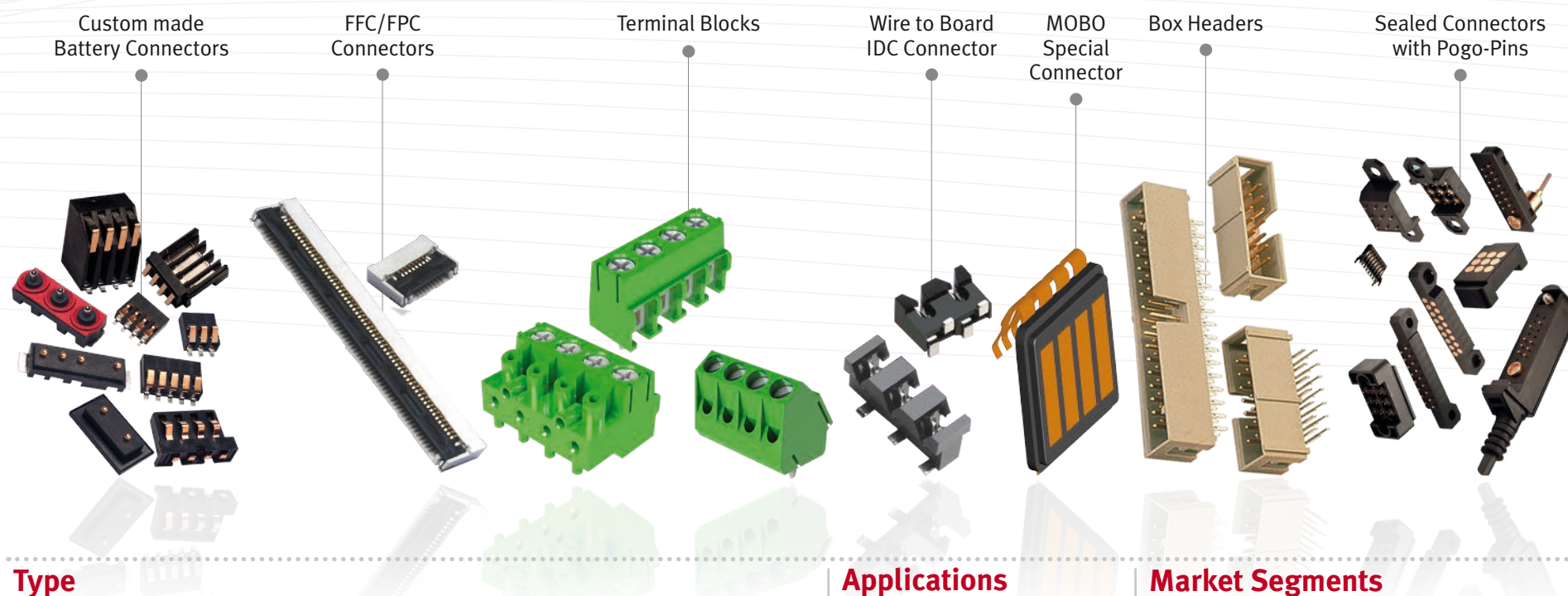
Type

Battery Connectors
Headers
IDC Cable to Board
POGO PIN

Special Moulding
Special Custom POGO Pin Projects
FFC/FPC Connectors
Terminal Blocks

Applications

All products

Market Segments

Commercial
Industrial
Medical
Military

RF And Wireless
Security
Space
Communications

Available from Phoenix Technologies
by these manufacturers:

KYOCERA
www.global.kyocera.com

JILN
锦凌电子
www.szjiln.com

FOXCONN
www.foxconn.com

METZ
CONNECT
www.metz-connect.com/en

AVX
www.avxcorp.com

Power Blade
Connectors

Tiny IDC
Connector

POGO Pins

Power
Compression
Connector

One Piece
Connector

Test Point

Spacer

HWP
Wire Terminal
for SMT

MJ - Jumper

Spacer
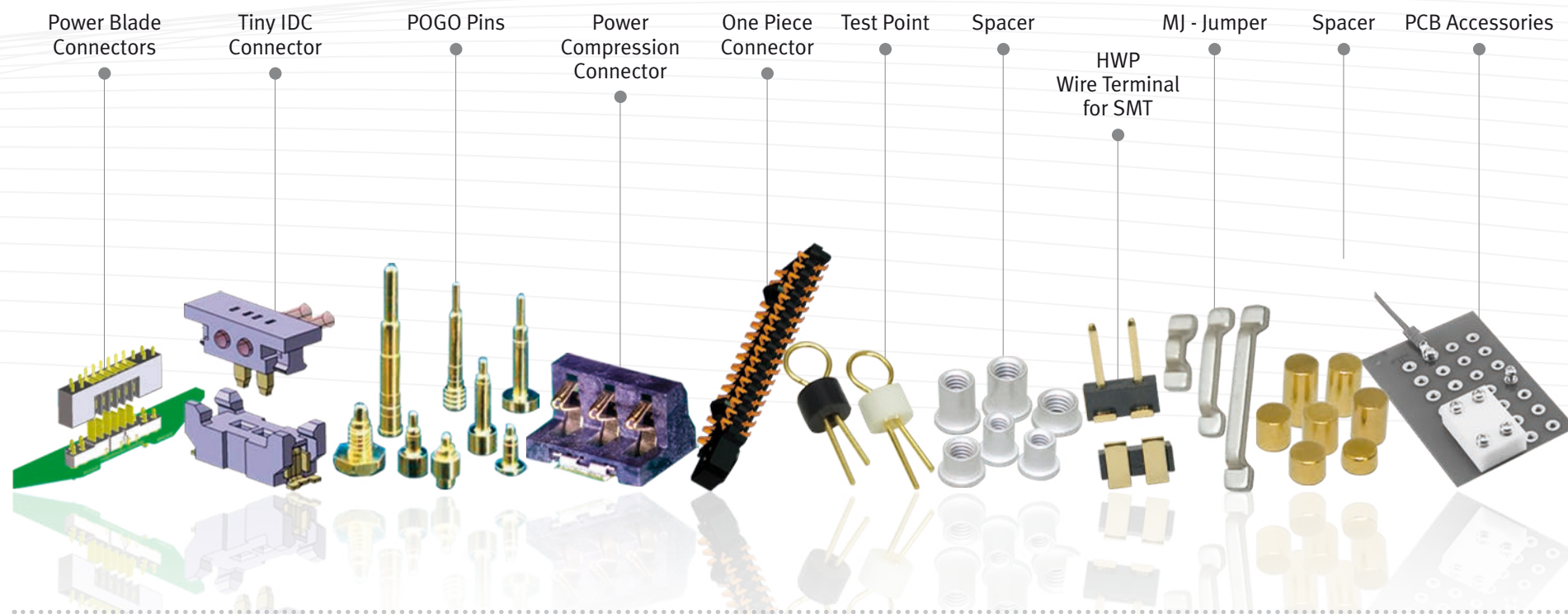
PCB Accessories

Type

Battery Connectors - Blade
Types and Spring Pogo Pin
PCB Accessories
MJ - Jumper

HWP – Wire Terminal for SMT
Test Point
Spacer

Applications

All products

Market Segments

Commercial	RF And Wireless
Industrial	Security
Medical	Space
Military	Communications

Available from Phoenix Technologies
by these manufacturers:

KYOCERA
www.global.kyocera.com

FOXCONN
www.foxconn.com

yokowo
www.yokowo.com

AVX
www.avxcorp.com

MAC8
mac8japan.com

MCX to MCX

SMA Straight

SMA R/A

MMCX for Cable

N-Type

N-TYPE to MMCX

1.0-2.3

BNC

Type

SMA, SMP, BMA, QMA, MMCX, MCX, N
Reverse Polarity
Switch Connector
50 & 75 Ohm

Flex, Semi Flex, Semi Rigid, Rigid Cables

Applications

All RF Systems

Market Segments

LTE/ WiFi/ BT
Base Station
PTP
RF Mil and Defense Systems

Available from Phoenix Technologies
by these manufacturers:

ALiner
www.aliner.com.tw

CLEC
www.clecgroup.com

FORSTAR
www.forstar.com.cn

FOXCONN
www.foxconn.com

S series connectors

Liquid cooling connectors

GYM series connectors

GF3 series connectors

J16 series connectors

Optical rotary connceotr

MPO
Fiber-optic connector and
Fiber optic cable assembly

Type

| Applications | Market Segments
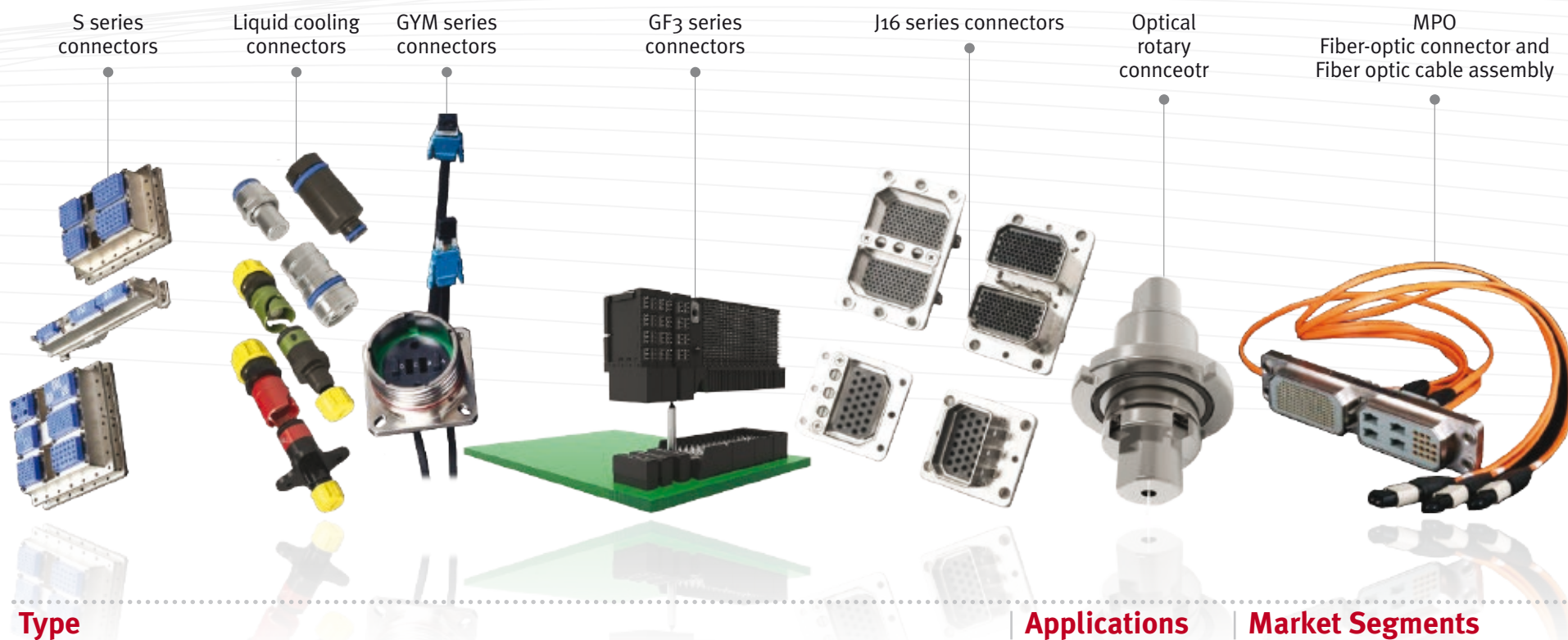
Active optical device, connectors and cable assembly.

				All products	Commercial	Security
Cabinet frame	EV	Micro Rectangular	Petroleum		Industrial	Communications
Circular	Liquid cooling	Network	Telecommunication		Medical	
Power	Heavy Duty	Passive optical			Defence	

Available from Phoenix Technologies
by these manufacturers:

JONHON
www.jonhon.cn/en

No Power   TFT   Segment Displays   OLED   Custom Graphic   Vacuum Fluorescent   Character Display

TFT   TFT Display   Character COB   COB Graphic

COF TAB
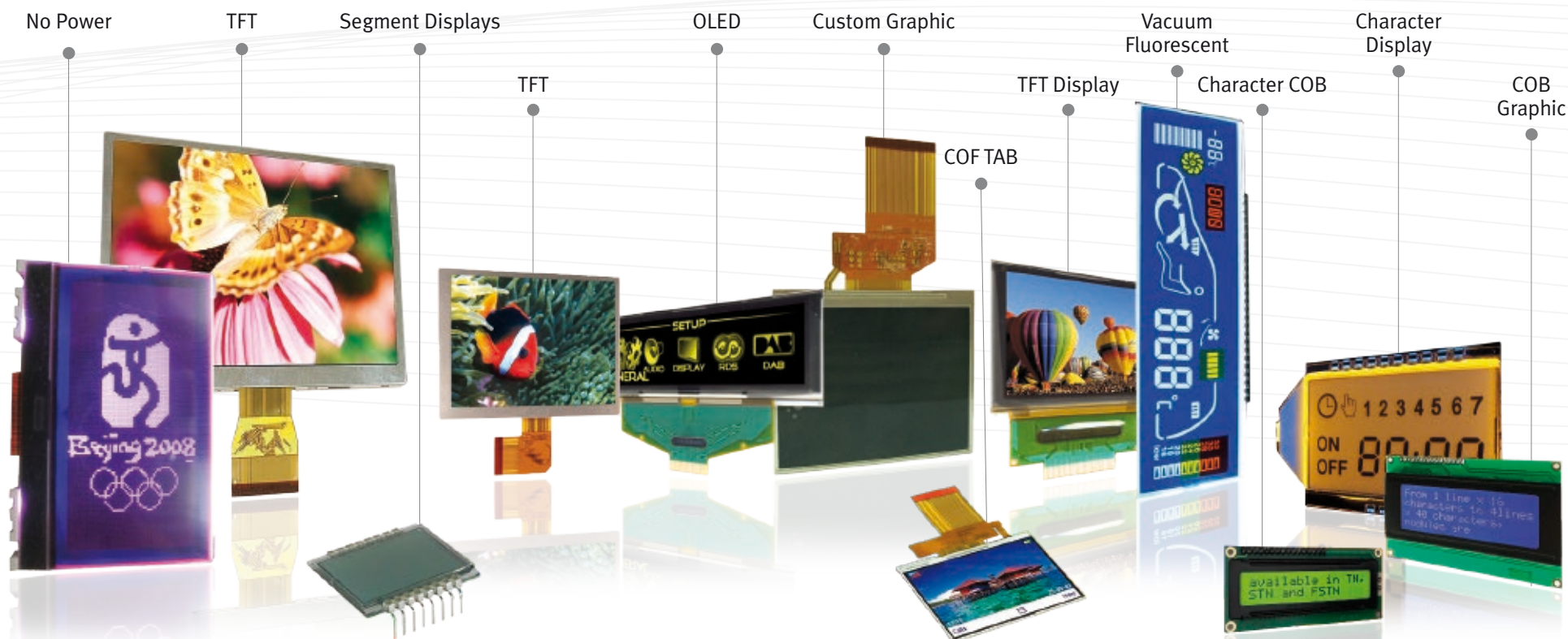
Type

COG, COB,TAB	STN, TN, FSTN
No Power	TFT
Oled	Segment, Graphic

Applications

All products

Market Segments

Commercial	Military
Industrial	Security
Medical	

Available from Phoenix Technologies
by these manufacturers:

ACEMi — www.acemi.com.hk

HNQH — www.hnqhlcd.com.hk

KENT DISPLAYS — www.kentdisplays.com

AMPIRE — www.ampire.com.tw

WiseChip — www.wisechip.com.tw

NELY — www.nelytech.com

Conductive Silicone

Fabric over Foam

Conductive Fluorosilicone

Conductive O rings

Wiremesh over silicone

Beryllium copper
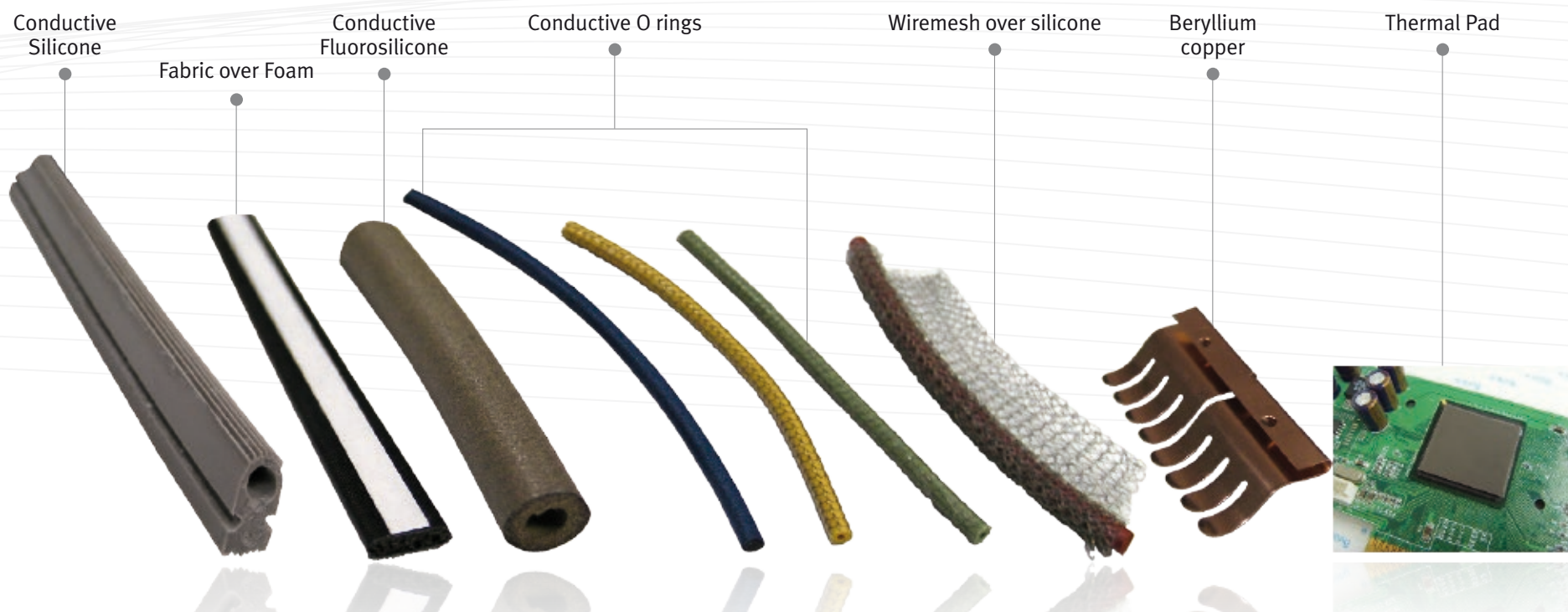
Thermal Pad

Type

Conductive Adhesives
Conductive Fabric over Foam
Conductive Gaskets over Rings
Conductive Silicone Elastomers

Shielding Vents
Thermal Pads
Shielded Tents

Applications

Communication Systems
Defense Equipment
RF Systems
Test Equipment

Market Segments

Communication
Military

Available from Phoenix Technologies by these manufacturers:

JĀ-BAR
www.jabar.com

E-Song emc co. ltd.
www.esongemc.com

Grips

Micro Switch

Rotary

Toggles

Trim

Push Buttons

OTTO
21649
10 9   8   7
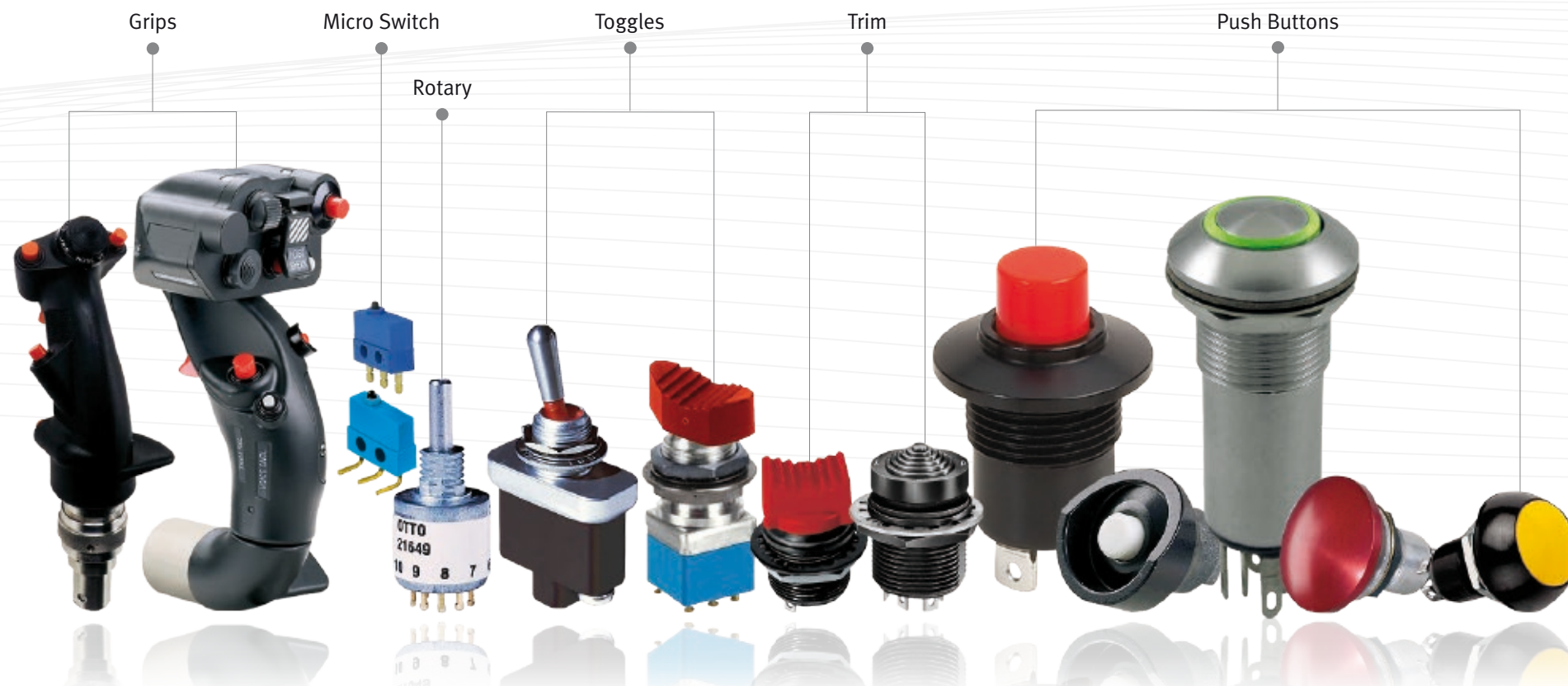
Type

Commercial   Sealed
Illuminated
Military

Applications

Airborne Systems   Medical Equipment
Defense Equipment   Remote Control Units
Marine Systems

Market Segments

Aerospace   Medical
Industrial
Military

Available from Phoenix Technologies
by these manufacturers:

OTTO
Expect Excellence.
www.ottoexcellence.com

Telecom Magnetics,
T1/E1, VOIP, POE
10/100/1000 Base-T, 10G

RJ45 Connectors with Integrated
Magnetic - Multiple Ports
10/100/1000 Base-T, PoE,
Voip, 10G

Switching Power Transformers,
FLYback

Common Mode Chokes
Inductors, PFC Choke
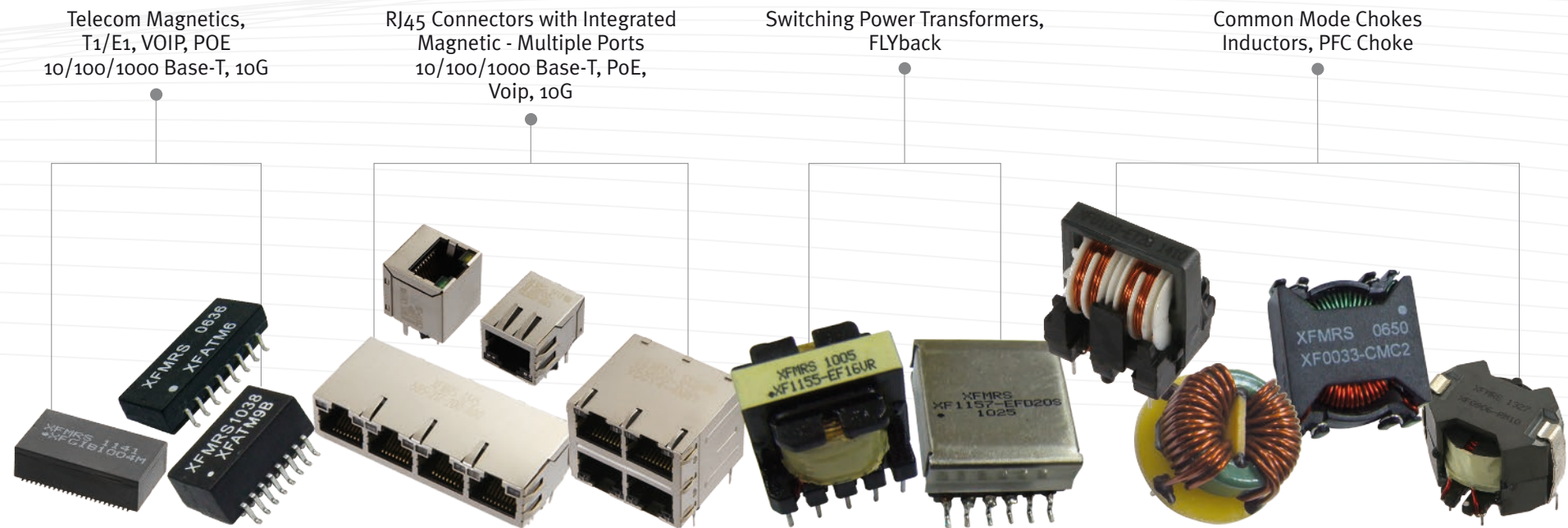
Type

Combos RJ45 Integrated Magnetic+LED
Telecom Products
Chip Inductors
Power Magnetic Products

SMD Power Inductors
Space Transformer
Thru Hole Inductors
RJ45 Connectors with Integrated Magnetic

Applications

Industrial
Power Suppliers
Military
Telecom / Wireless

Market Segments

Medical   Commercial
Military
Security
Industrial

Available from Phoenix Technologies
by these manufacturers:

XFMRS

www.xfmrs.com

EROCORE

www.erocore.com

Standex MEDER

www.standexmeder.com

Phoenix Technologies Ltd.

Power Inductors
• Shielded Power Inductors
• Unshielded Power Inductors
• Low Profile SMT Type Power Inductors

Chip Inductors

Planar transformers
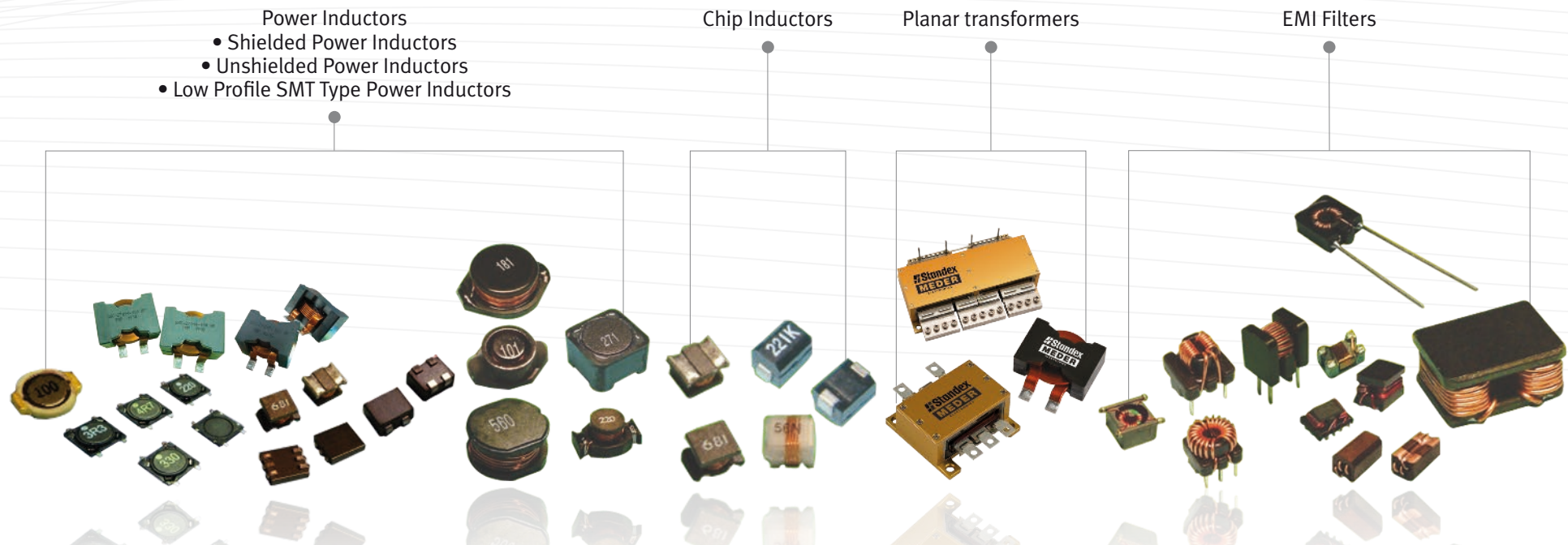
EMI Filters

Type

Power inductors
Chip Bead inductors
EMI Filters
RF inductors

Applications

All Products

Market Segments

Medical   Commercial
Military   RF & Wireless
Security
Industrial

Available from Phoenix Technologies
by these manufacturers:

AVX
A KYOCERA GROUP COMPANY
www.avxcorp.com

EROCORE
www.erocore.com

Standex MEDER
ELECTRONICS
www.standexelectronics.com

XFMRS
www.xfmrs.com

Ceramic

Flexisafe
(Soft Termination)

HV Military

HV Turbocap (ST)

Low Inductance
(LICC)

Ceramic in
Tantalum case (MH)

Thru-Hole and
SMT SMPS
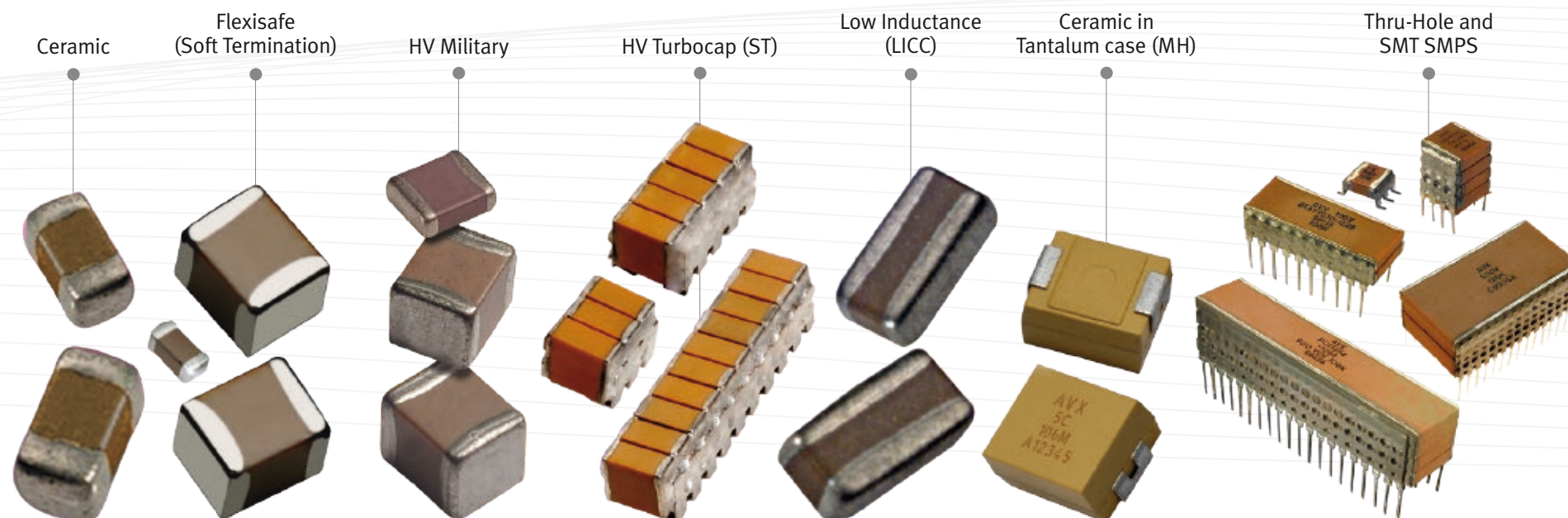
Type

Automotive Ceramic Capacitors
Custom Modules
High C/V Ceramic Capacitors
High Voltage Ceramic Capacitors
Low Inductance Ceramic Capacitors

Molded Ceramic Capacitors
Soft Termination Ceramic Capacitors
Switch Mode Power Supply Capacitors
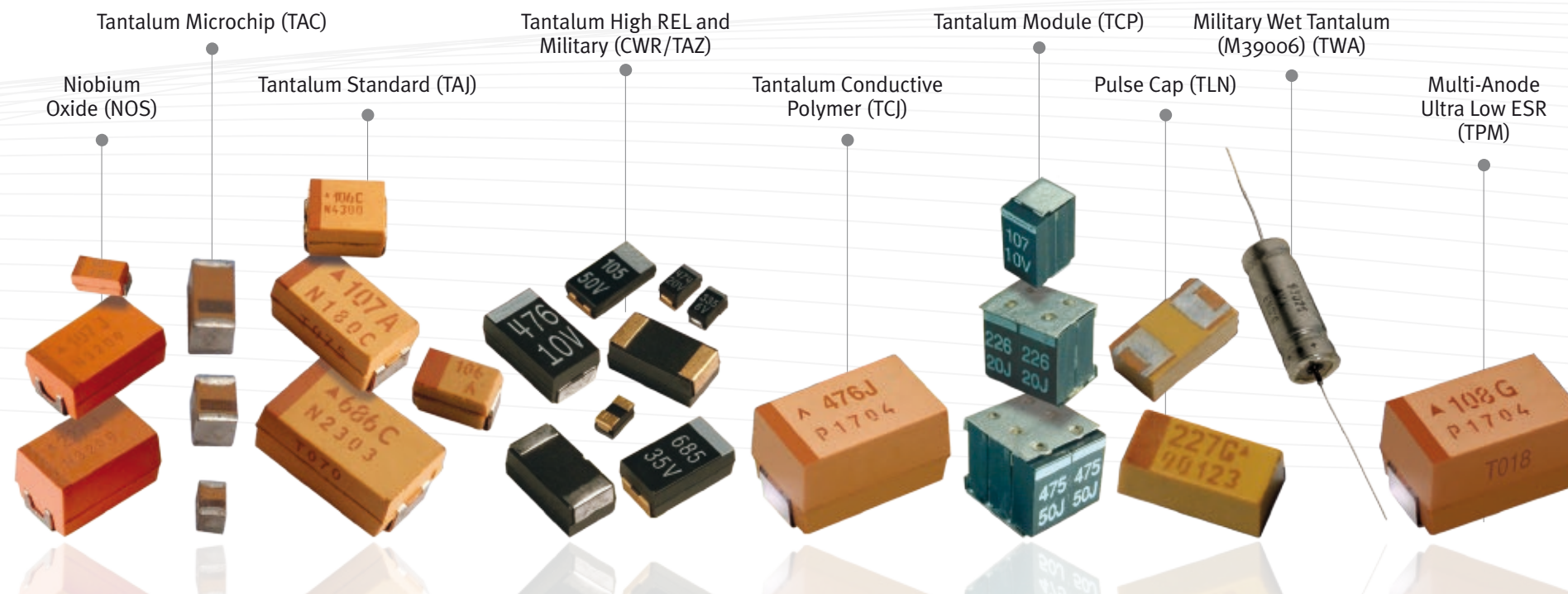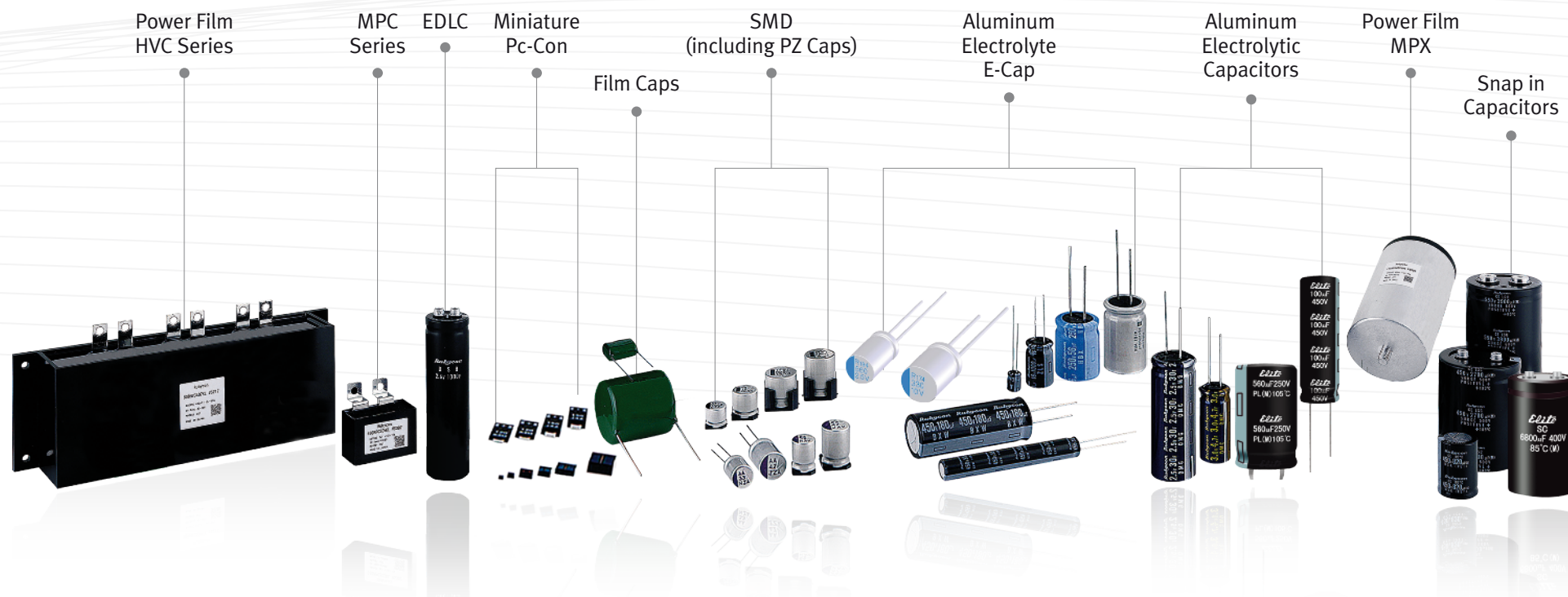Turbocap–high C/VSMPS Capacitors

| Applications

All products

| Market Segments

Automotive   Security
Commercial
Industrial
Medical
Military

Available from Phoenix Technologies
by these manufacturers:

www.avxcorp.com

Tantalum Microchip (TAC)

Tantalum High REL and
Military (CWR/TAZ)

Tantalum Module (TCP)

Military Wet Tantalum
(M39006) (TWA)

Niobium
Oxide (NOS)

Tantalum Standard (TAJ)

Tantalum Conductive
Polymer (TCJ)

Pulse Cap (TLN)

Multi-Anode
Ultra Low ESR
(TPM)

Type

Electrode(TCJ)
Tantalum Fused Capacitors (TAW)
Tantalum High Performance Low ESR (TPS)
Tantalum Low ESR Module (TCP)
Tantalum Microchip Standard/Low ESR (TAC/TPC)
Tantalum Multi Anode Ultra Low ESR (TPM)

Niobium Oxide Standard/Low ESR (NOJ/NOS)
Tantalum Pulse Cap (TLN)
High Reliability and Military (TAZ/CWR)
Tantalum Standard & Low profile (TAJ)
Tantalum Wet Military M39006 (TWA)
Tantalum With Conductive Polymer Tantalum

Applications

All products

Market Segments

Automotive   Space
Commercial
Industrial
Medical
Military
Security

Available from Phoenix Technologies
by these manufacturers:

AVX
A KYOCERA GROUP COMPANY

www.avxcorp.com

Power Film
HVC Series

MPC
Series

EDLC

Miniature
Pc-Con

Film Caps

SMD
(including PZ Caps)

Aluminum
Electrolyte
E-Cap

Aluminum
Electrolytic
Capacitors

Power Film
MPX

Snap in
Capacitors

Type

Capacitors: Film, Polymer and Electrolytic
SMD, Snap in and Thru Hole
Safety Capacitors
Power Film Capacitors

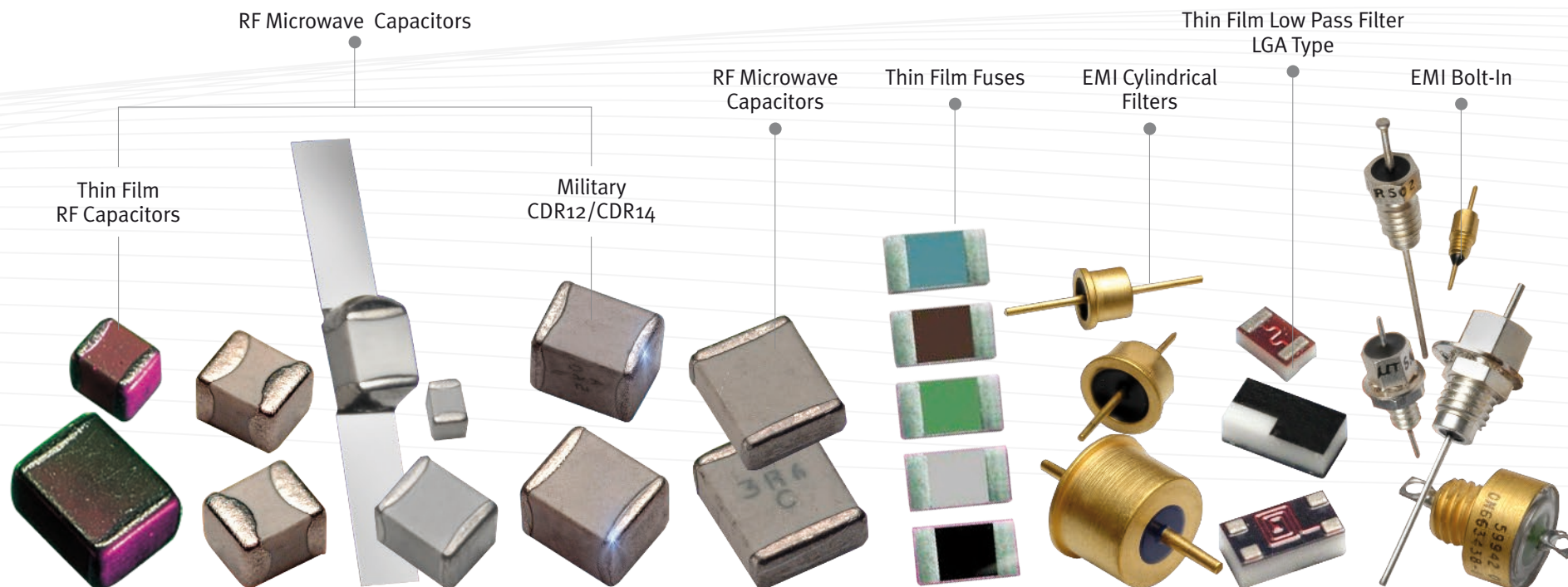## Applications

All products
Power Supply

Market Segments

Commercial   Security
Industrial
Medical
Defense

Available from Phoenix Technologies
by these manufacturers:

www.chinsan.com

www.rubycon.com

RF Microwave Capacitors

Thin Film Low Pass Filter
LGA Type

RF Microwave
Capacitors

Thin Film Fuses

EMI Cylindrical
Filters

EMI Bolt-In

Thin Film
RF Capacitors

Military
CDR12/CDR14

Type

Thin Film ACCU-P RF Capacitors
Microwave Capacitors
SQCA Microwave Capacitors
SQCB Microwave Capacitors
U SERIES – Ultra Low ESR RF/Microwave

Thin Film Fuse
Thin Film Low Pass Filter LGA Type
Thin Film Inductors
Thin Film Directional Coupler
Sealed Feed Through

Applications

All products

Market Segments

Industrial
Medical
Military
RF and Wireless

Security
Space

Available from Phoenix Technologies
by these manufacturers:

AVX
A KYOCERA GROUP COMPANY

www.avxcorp.com
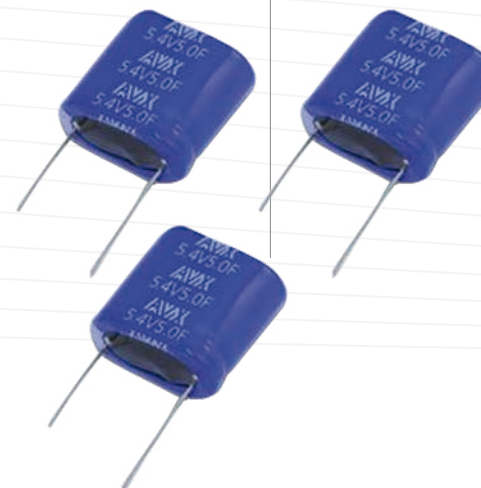
High Capacitance Cylindrical
Supercapacitors
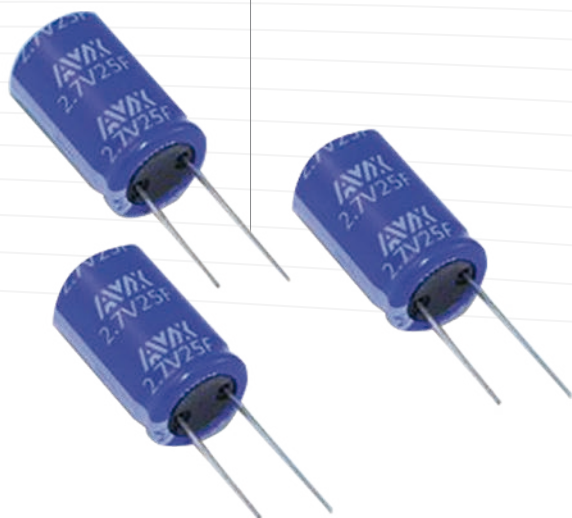
BESTCAPS -Ultra-low ESR High
Power Pulse Supercapacitors
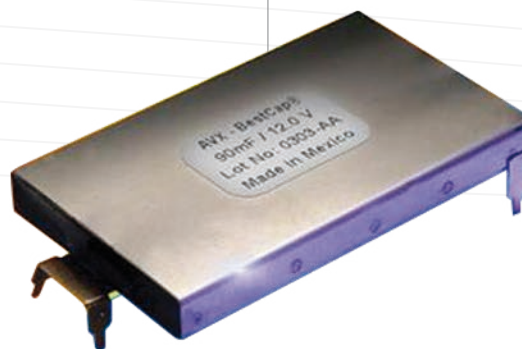
SCM Series Supercapacitor Modules Connected Supercapacitors

Type

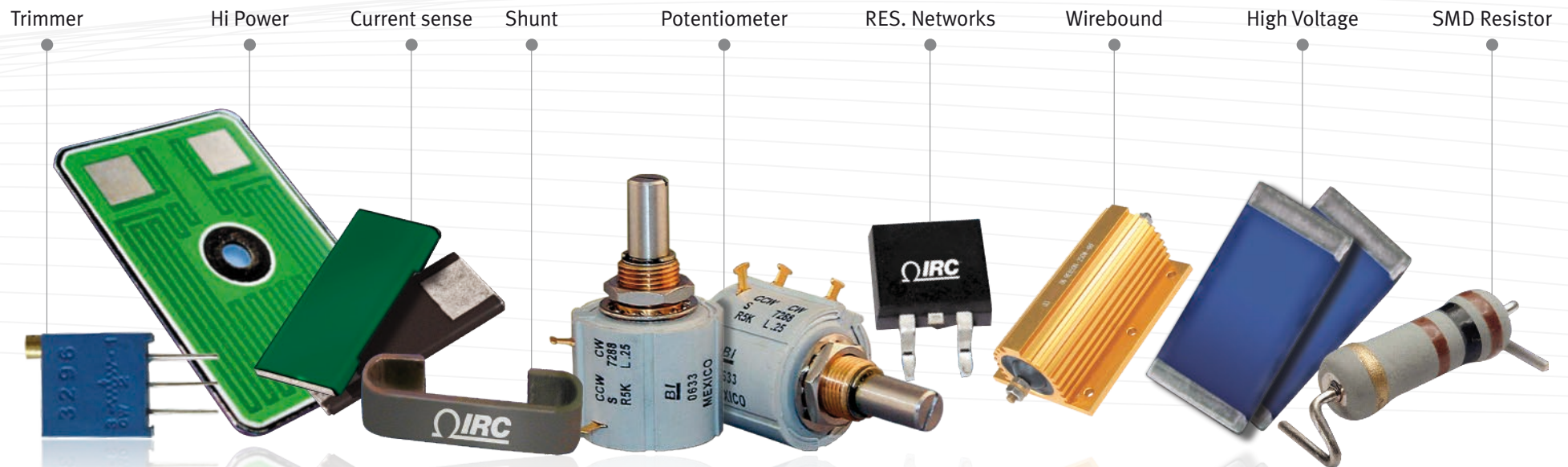100mF – 500F capacitance
2.5V-125V

Applications

High Energy and High
Current Pulse

Market Segments

Medical   Portable
Military   Vehicle

Available from Phoenix Technologies
by these manufacturers:

AVX
A KYOCERA GROUP COMPANY

www.avxcorp.com

Trimmer   Hi Power   Current sense   Shunt   Potentiometer   RES. Networks   Wirebound   High Voltage   SMD Resistor

Type

Commercial Resistors	High Ohmic Value (discrete)	Precision (discrete/networks)
Current Sense	High Ohmic Value (network)	Surge, Temperature Sensors
Dynamic Braking	High Temperature	Trimmers
Fusible, General Purpose	High-Voltage	Wire-Bondable (discrete)
High Frequency Attenuators	Military (discrete/networks)	Wire-Bondable (network)
High Frequency (discrete)	Networks, Power	Wirewound
High Frequency (network)	Potentiumeters	Zero ohm Resistors

Applications

All products

Market Segments

Commercial
Industrial
Medical
Military
RF and Wireless
Security
Space

Available from Phoenix Technologies
by these manufacturers:

BI technologies
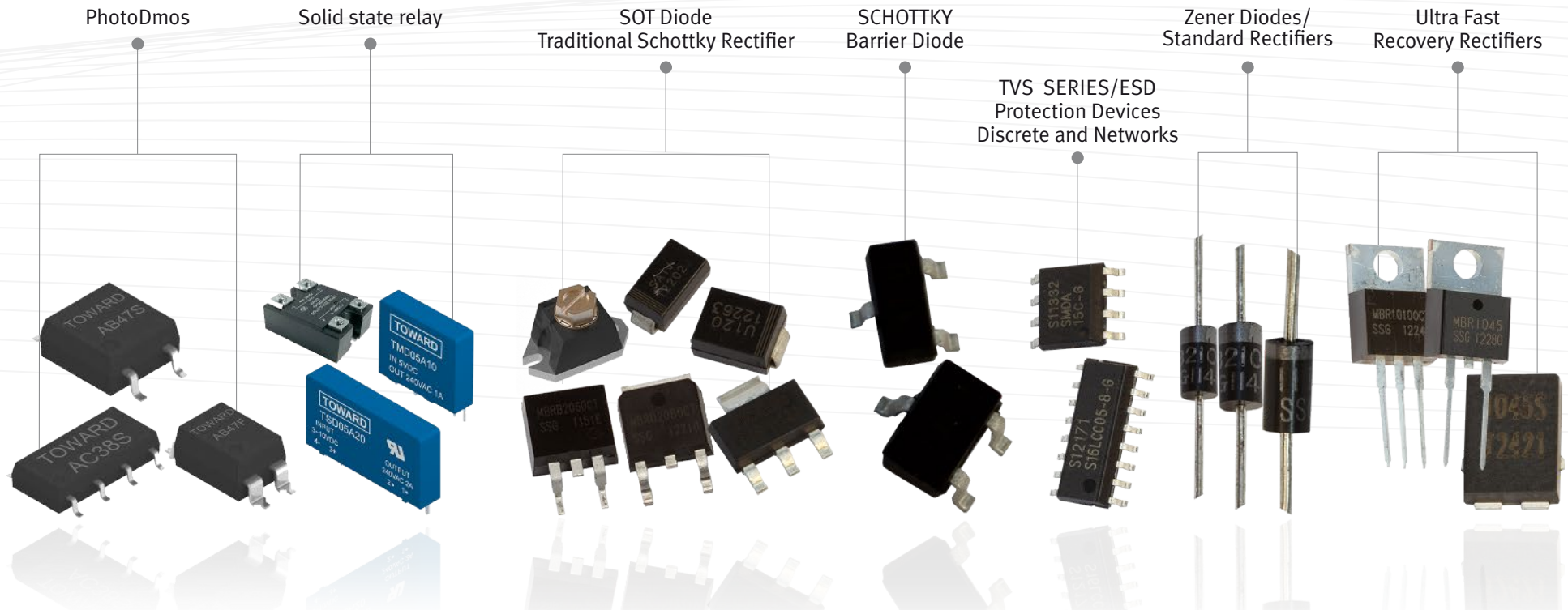www.bitechnologies.com

IRC
www.ttelectronicsresistors.com

RIEDON
www.riedon.com

TT electronics
www.ttelectronics.com

Welwyn
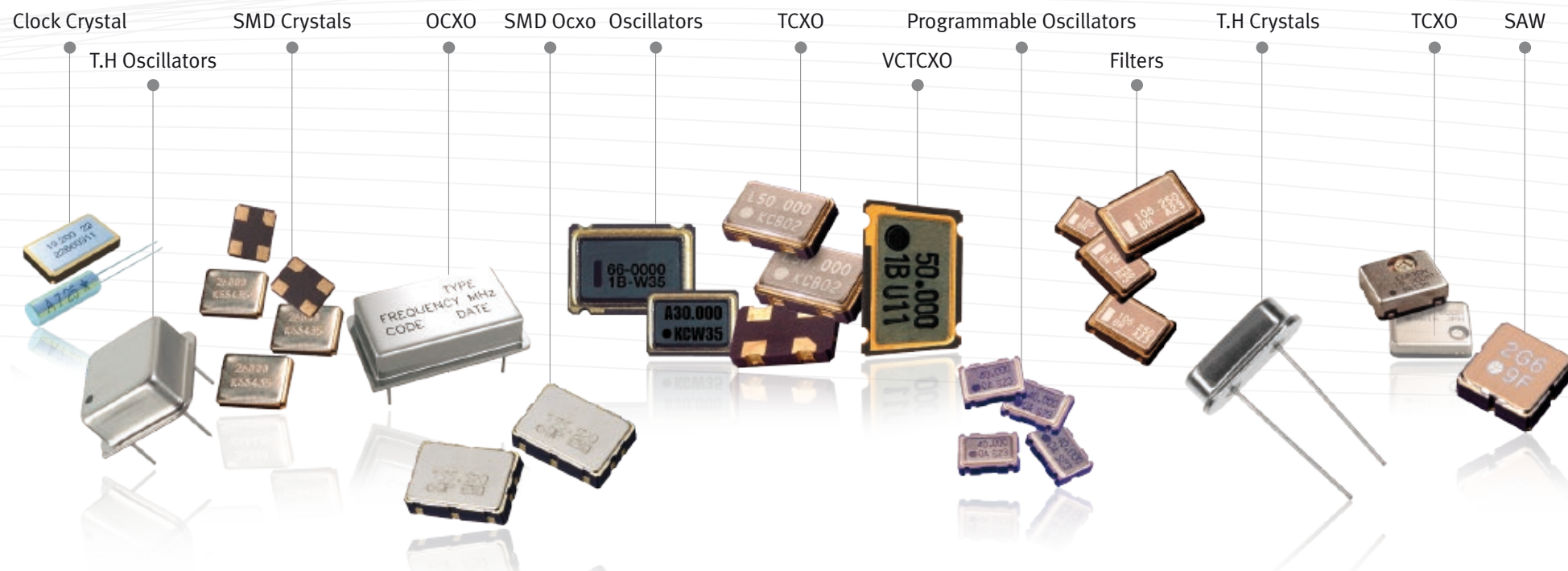www.ttelectronicsresistors.com

PhotoDmos   Solid state relay   SOT Diode   SCHOTTKY   Zener Diodes/   Ultra Fast
                                            Traditional Schottky Rectifier   Barrier Diode   Standard Rectifiers   Recovery Rectifiers

TVS SERIES/ESD
Protection Devices
Discrete and Networks

Type

SOT Diode Traditional Schottky Rectifier   Ultra Fast Recovery Rectifiers
SCHOTTKY Barrier Diode   Discrete and Networks
TVS SERIES/ESD Protection Devices   PhotoDmos
Zener Diodes/Standard Rectifiers   Solid state relay

Applications

All products
Power control
Power supplies
I/O control

Market Segments

Sucurity   Telecom
IoT
Medical
Military

Available from Phoenix Technologies
by these manufacturers:

SMC
DIODE SOLUTIONS
www.smc-diodes.com

RELAY SINCE 1988
TOWARD
Enriching your design.
www.relays.com.tw

PPTC
FRG

PPTC

Varistor

Transient
Suppressor

Voltage
Suppressor

PPTC
FVT

Feed Thru 0805/1206

Thyristors

TVS Diodes

Level Sensor

Reed Switches
and Relays

Level
Sensor
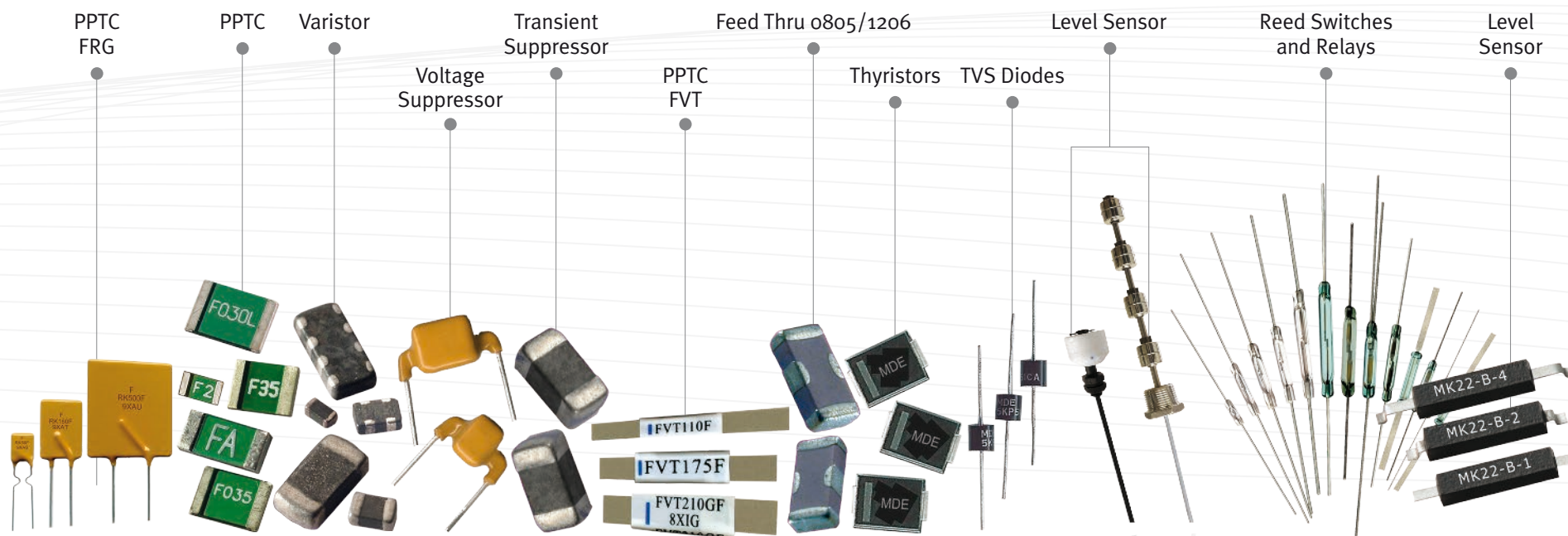
Type

Fuses - Standard and PPTC Resettable Fuses
EMI Filters
High Current Surge Suppressors
Suppressor Diodes (TVS)
Thermal Protected Varistors
Transient Voltage Thyristors

Reed Switch and Relays
VC0402/1210-Transguard (transfeed)
VC04/06AG-Antenna Guard
VC04/12LC-Static Guard
VC-Voltage Suppressor (transguard)
USB Series Varistor

Applications

All products

Market Segments

Commercial	RF And Wireless
Industrial	Security
Medical	Space
Military	

Available from Phoenix Technologies
by these manufacturers:

AVX
A KYOCERA GROUP COMPANY
www.avxcorp.com

FUZETEC
www.fuzetec.com

Standex MEDER
ELECTRONICS
www.meder.com

MDE Semiconductor
www.mdesemiconductor.com

MERITEK
ELECTRONICS CORPORATION
www.meritekusa.com

Clock Crystal   SMD Crystals   OCXO   SMD Ocxo Oscillators   TCXO   Programmable Oscillators   T.H Crystals   TCXO   SAW

T.H Oscillators   VCTCXO   Filters

Type

Crystals	Resonators	VCXO
Filters: Crystals and SAW	SAW	Programmable
OCXO	TCXO	
Oscilators	VCO	

Applications

All products

Market Segments

Commercial	RF And Wireless
Industrial	Security
Medical	Space
Military	

Available from Phoenix Technologies
by these manufacturers:

KYOCERA
www.global.kyocera.com

RALTRON
www.raltron.com

CARDINAL COMPONENTS, INC.
www.cardinalxtal.com

Golledge
www.golledge.co.uk

QuartzCom
www.quartzcom.com

DC/DC Modules   Power IC'S   Step Up/ Step Down IC   AC DC Converter IC   Automotive Power   Q Speed Diode Rectifier   LED driver IC
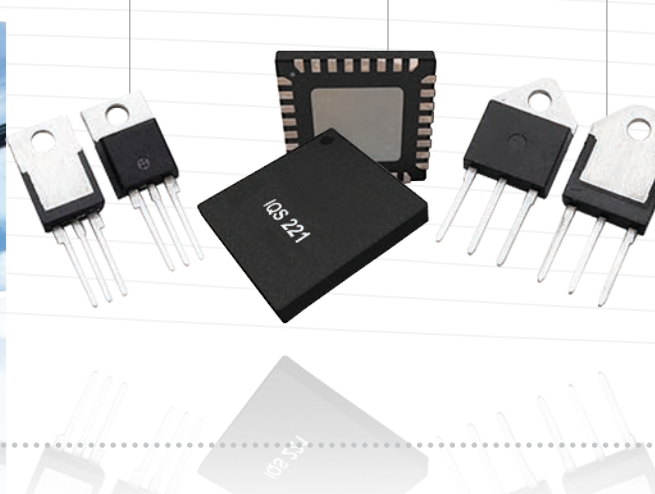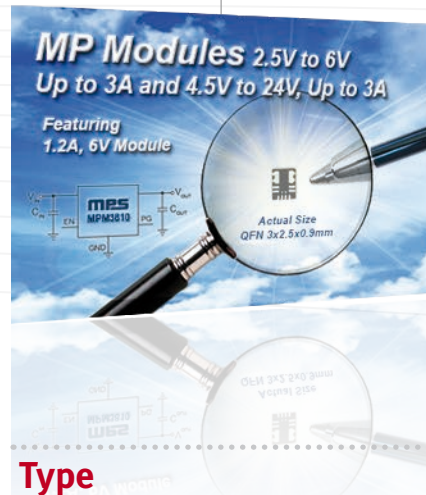
Type

AC/DC converters IC+FET+Controller
Cap Zero–for higher X Capacitors
for better EMI performance
Class D Amplifier
DC/DC   AC/DC
Step up/down switching reg & LDO
Half-Bridge/Full-Bridge Power Drivers
Hiper PLC–Continuous Mode PFC

& LLC Integrated Half Bridge Drivers
IGBT Drivers
Isolated up to 6KV
LED Driver ICs
None Isolated AC/DC IC–FET+Controller
Power Down Solutions
PCB Mount
Power over Ethernet (PoE)

Q speed Diode Rectifier Low QRR
Safety and Medical Standards
SMD T.H
USB and Current-Limit Load Switches
White Led Drivers CCFL Drivers

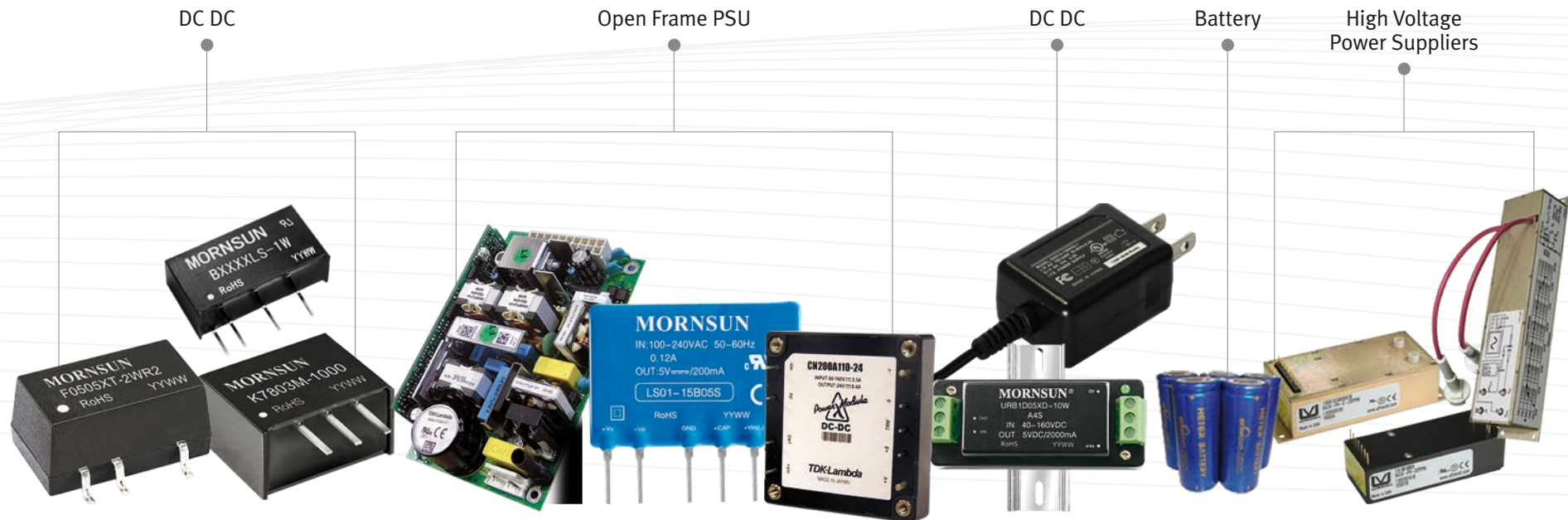## Applications

All products

Market Segments

Commercial
Industrial
Medical
Military

Available from Phoenix Technologies
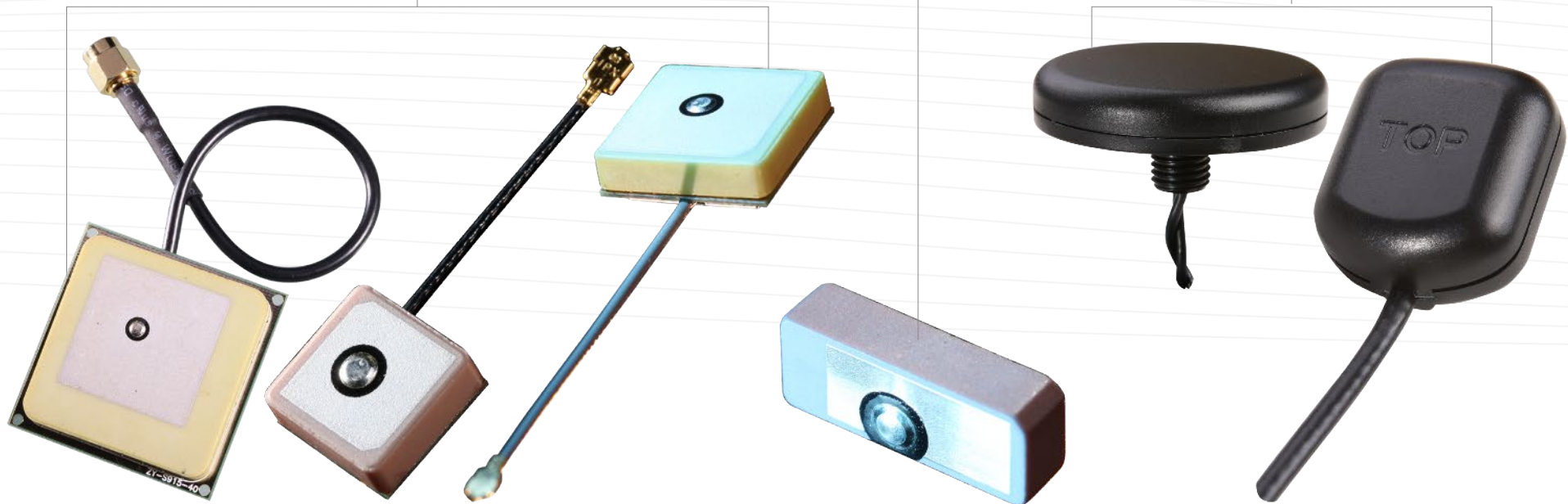by these manufacturers:

www.monolithicpower.com

power integrations

www.powerint.com

DC DC   Open Frame PSU   DC DC   Battery   High Voltage Power Suppliers

Type

Mornsun:
DC-DC Converter 0.5W-70W
AC-DC 3W-100W
Din Rail PSU 24W-120W
EMI/EMC Filter
High Voltage Power Supply 62V-40kV, 100mW-15kW
Lithim Battery

DIT:
AC EMI/RFI Filters
Switching AC Adapter
Inlet Filter with Fuse Holder
IR TYPE F, H
ES1 Type – High Voltage Impulse
TB6 Type – 3 Phase Filters
IQ Type – Double Pole Power ON/OFF Switch

Applications

All products

Market Segments

Commercial
Industrial
Medical
Military

Available from Phoenix Technologies
by these manufacturers:

www.hengfu.com   **MORNSUN®**   www.mornsun-power.com   **Advanced Energy**   www.advanced-energy.com

Phoenix
Technologies Ltd.

GPS Antenna

Chip Antenna

Patch Antenna

Type

			Applications	Market Segments
GPS Antenna	Stub antenna	PCB antenna	All products	All Segments
Patch antenna	Dipole antenna	Helix antenna		
Chip antenna	Dome antenna			

Available from Phoenix Technologies
by these manufacturers:

ACX
www.acxc.com.tw

FOXCONN
www.foxconn.com

RALTRON
www.raltron.com

TTAF
www.ttaf.com.tr
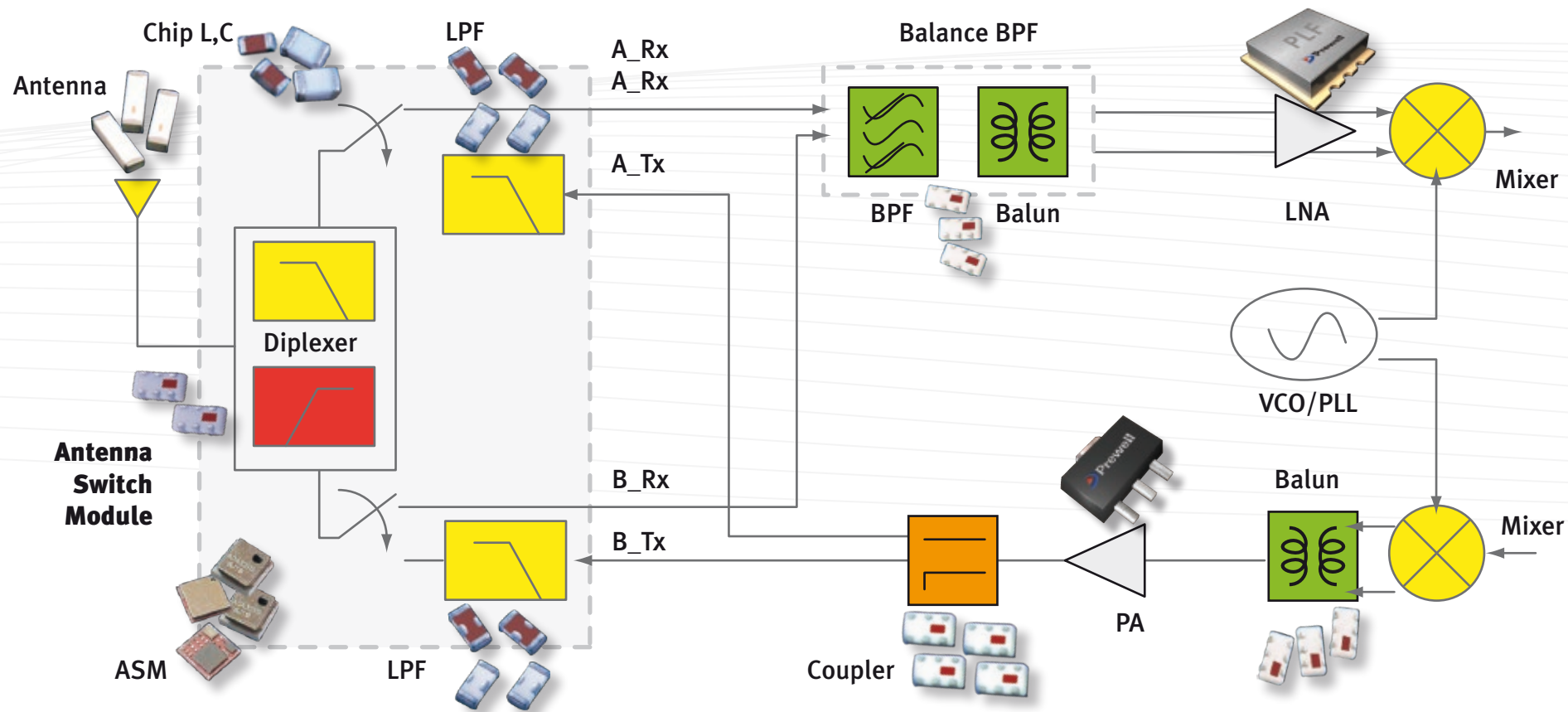
Type

Antennas	Baluns (up to 8GHz)	Dual LPF
Antenna Switch	Couplers	Filters (LP, BP, HP)
Balance Filters	Diplexers	Inductors

Applications
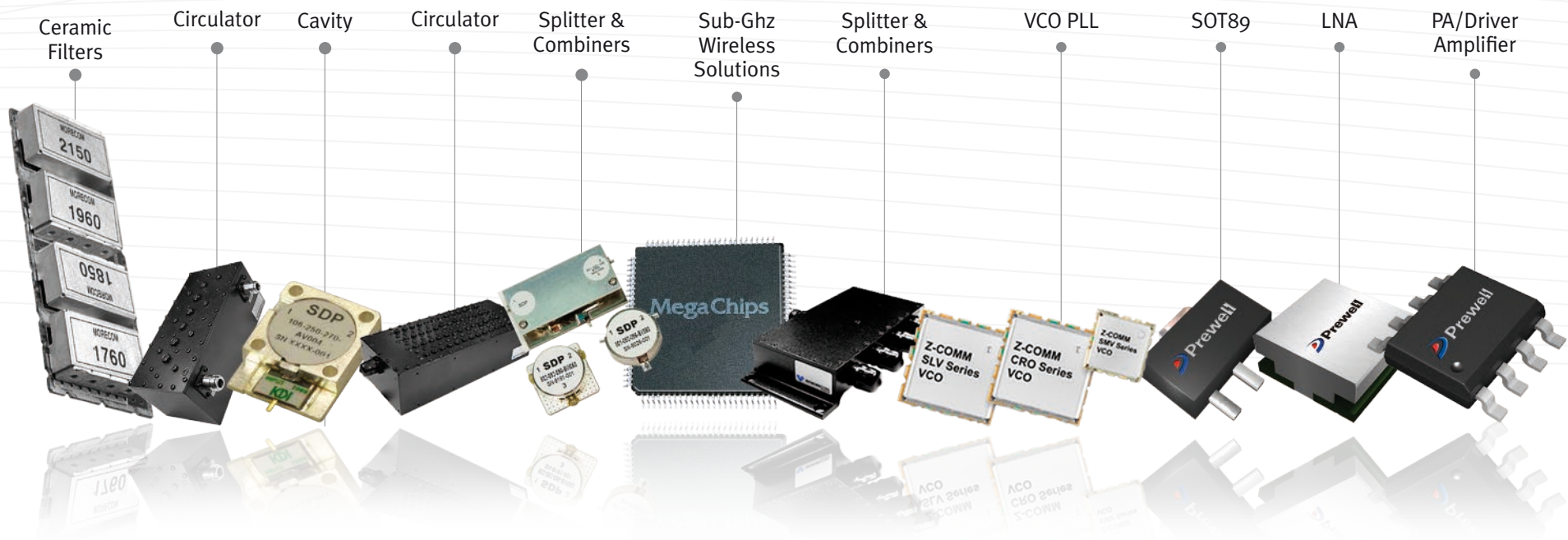
All products

Market Segments

CATV
Communication
RF & Wireless

Available from Phoenix Technologies
by these manufacturers:

www.acxc.com.tw

www.avxcorp.com

www.rfintc.com

Type

		Applications	Market Segments
Cavity Duplexers & Filters	PA	VCO/PLL/Synthesizers	All products	RF and Wireless
Circulators & Isolators	RF Switch			
Combiners & Splitters	SAW Filters			
LNA	Transcievers			

Available from Phoenix Technologies
by these manufacturers:

anatechelectronics.com   itf.co.kr   hw.com.tw   princeton.comtw   sdp.ca   rfintc.com   rfmorecom.com   zcomm.com   megachips.com

Active – Digital Products & Development Tools

AKM — Mixed signal IC's for high preformance audio & video

ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE™ — Data converters, Amplifiers & Linears, RF ICS, Power management, Mems & Sensors, DSP & MCU, Interface & Isolation

ARM — High End Development tools provide a fully integrated solution for creating efficient software to run on any ARM processor.

CHiPLUS Chiplus Semiconductor Corp. — SRAM, (Low Power & Fast versions)

DELKIN DEVICES Rugged Controlled Storage — Rugged Storage Solutions: CF Card, microSD, SSD drives

ESMT — SRAM, DRAM, PSRAM

HOLT INTEGRATED CIRCUITS — Avionics devices for MIL-STD-1553, ARINC 429, 717 & 825

HOLTEK — Low cost, low power MCUs, & LCD controllers, Flash, OTP and MASK

KEIL Tools by ARM — Integrated development tools, HW & SW for ARM & 8051 based MCUs

ISSI — SPI/Parallel Nor flash, Nand flash, Asyn/Syn SRAM's, SDRAM's, DDR's

MegaChips — Mixed Signal ASIC Services and ASSPs

SYNAPSE design — Backend, verification and embedded SW design services

Vitesse Is Now **Microsemi** Power Matters — Giga Ethernet (Switch, MAC, PHY),WAN (Sonet/SDH), Cross Bar Switch, FEC, Framer, Mapper, Mux/Demux

SANKALP semiconductor — Mixed Signal SoC Design, Digital Design Analog & Digital IPs, Board / System Design

Virtium Solid State Storage and Memory — SSD for the Industrial/Embedded market, Form factors (SLC, MLC, PSLC), 100% testing, fixed BOM, Integrated techniques for mitigating power, S/W to improve reliability and longevity

Magnetic Products

EROCORE — Coils Beads & Chip Inductor

XFMRS — Magnetic Components: LAN, Modules and Combos 10/100 base-T, Giga, VOIP. Power RJ45 Conectors With Magnetic

Power Products

ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE™ — Digital Power Management, Power Supervisors Monitors & Sequencers, Hot Swap, Multi-Output switching regulators

MORNSUN® — DC/DC conventers, AC/DC Power modules

MPS The Future of Analog IC Technology — Step up/down switching reg, class d amp, white led drivers CCFL drivers

power integrations — Power Management: Top Switches

TOWARD RELAY SINCE 1988 Enriching your design. — Manufacturer of OptoDmos and Solid state relays

Rubycon Elite — Aluminum Electrolytic and Polymer Capacitors

Advanced Energy — High voltage power supplies and Modules - 0-40KV, 0-9KW

Passive Components

ACX — Inductors, Filters, Diplexers, Couplers, Baluns, Antennas

AVX — Passive and RF Components

Bi technologies — Current sense, Power resistors, Networks, Potentiometers, Switches modules

FUZETEC — Resettable Fuses

IRC — Film, Power, Flame Proof, High Voltage - Resistors. RNC, RWR, RLR- Military Resistors

KYOCERA — Passive and RF Components

MDE Semiconductor — Protection Devices

MERITEK ELECTRONICS CORPORATION — Global company manufacturing Electronic Components including Capacitor, Resistor, Film Cap, Tantalum Cap, Diodes, Protection Devices, PCB, PCBA

NESSCAP ULTRACAPACITORS — Supper Capacitors

Rubycon — Electrolytic Capacitors

SMC DIODE SOLUTIONS — Manufacturer of high quality semiconductors recovery rectifiers , regular rectifiers, schottky module, schottky rectifiers and all types of TVS competitive with well known brands in the market

Welwyn — Film, Power, Flame Proof, High Voltage - Resistors. RNC, RWR, RLR- Military Resistors

Electro Mechanical Components

AVX — Connectors

KYOCERA — Connectors

FORSTAR — RF Conn. & Cables Assy.

FOXCONN — World wide leader in interconnecting sollutions - IEEE 1394/RJ45/USB/SCSI/PCI/Ribbon/Fiber Optics/Mobile Conn.

JÄBAR — Shielding emi/RFI, Gaskets & materials

JILN — Board to Board connectors

MAJOR LEAGUE Electronics — Major League Electronics - Board to Board connectors

METZ CONNECT — Terminal blocks & headers, Cables & wires, Patch panels

MAC8 — PCB Accessories inserts, stand off

Pwrox — Board to Board connectors and cable assemblies

OTTO — Switches & Control Grips For Military/Commercial applications

POWER CONNECTOR INC. — Audio and power connectors for Military/Radio communications

Standex MEDER — Reed Relay, Reed Switches, RF Relays

TTAF — Cable Assemblies

yokowo — Pogo Pins and Connectors

Phoenix Technologies Ltd. — Manufacturers

AB Connectors · ACEMI · ACX · Advanced Energy · AKM · Aliner · AMPIRE · ANALOG DEVICES (AHEAD OF WHAT'S POSSIBLE)

APRO Co., Ltd. · ARM · AVX (A KYOCERA GROUP COMPANY) · Bi technologies · CARDINAL COMPONENTS, INC. · CHIPLUS (Chiplus Semiconductor Corp.) · CLEC · DELKIN DEVICES (Rugged Controlled Storage)

DIT DONG IL TECHNOLOGY · Elite · EROCORE · E-Song emc co. ltd. · ESMT · EVERSPIN · FORSTAR · FOXCONN

FUZETEC · Golledge · HASCALL-DENKE (THE WORLD'S ANTENNA SOURCE) · Hengfu · HEXAWAVE · HOLT INTEGRATED CIRCUITS · HOLTEK · HNQH

IPCORES · IRC · ISSI · ITF · JA-BAR · JILN 锦凌电子 · KEIL Tools by ARM · KENT DISPLAYS

KYOCERA · MAC8 · MDE Semiconductor · MegaChips · MERITEK ELECTRONICS CORPORATION · METZ CONNECT · Microsemi (Power Matters.) · MAJOR LEAGUE Electronics (A KEY Company)

MORNSUN · MPS (The Future of Analog IC Technology) · NELY · NESSCAP ULTRACAPACITORS · OTTO (Expect Excellence.) · PINREX · POWER CONNECTOR INC. · power integration

PTC · QuartzCom (the communications company) · RALTRON · RELAY SINCE 1988 TOWARD (Enriching your design.) · RIEDON · RFIC · RF MORECOM COREA · Rubycon

SANKALP semiconductor · SMC DIODE SOLUTIONS · SDP · Standex MEDER ELECTRONICS · SYNAPSE design · TTAF · TT electronics · ULTRAVOLT

Virtium (Solid State Storage and Memory) · Welwyn · XFMRS · yokowo · Z~Communications

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Tel 972-9-7644800 **Fax** 972-9-7644801 **Email** info@phnx.co.il **Web** www.phnx.co.il

Celebrating 25 years of success

Phoenix Technologies Ltd.