

Sentronic International Corporation

Company Profile

2024/03

SENTRONIC

昱捷股份有限公司

Pursuing sensitivity electronic since 1987

Tracking Number: 3232

Tel.: 02-8797-5025 | Fax.: 02-2659-2979

<http://www.sentronic.com.tw/index.html>

About Sentronic

Established December 14, 1987

Chairman Mr. Tonko Tsai

Sales Revenue NTD 1,509M (Y2023, Groups)
NTD 1,594M (Y2024, FCST)

Capital NTD 466M (TWN)

No. of Employee 100 Employees

Our Services



35 - year experience
expert in Semiconductor
Distributor Industry.

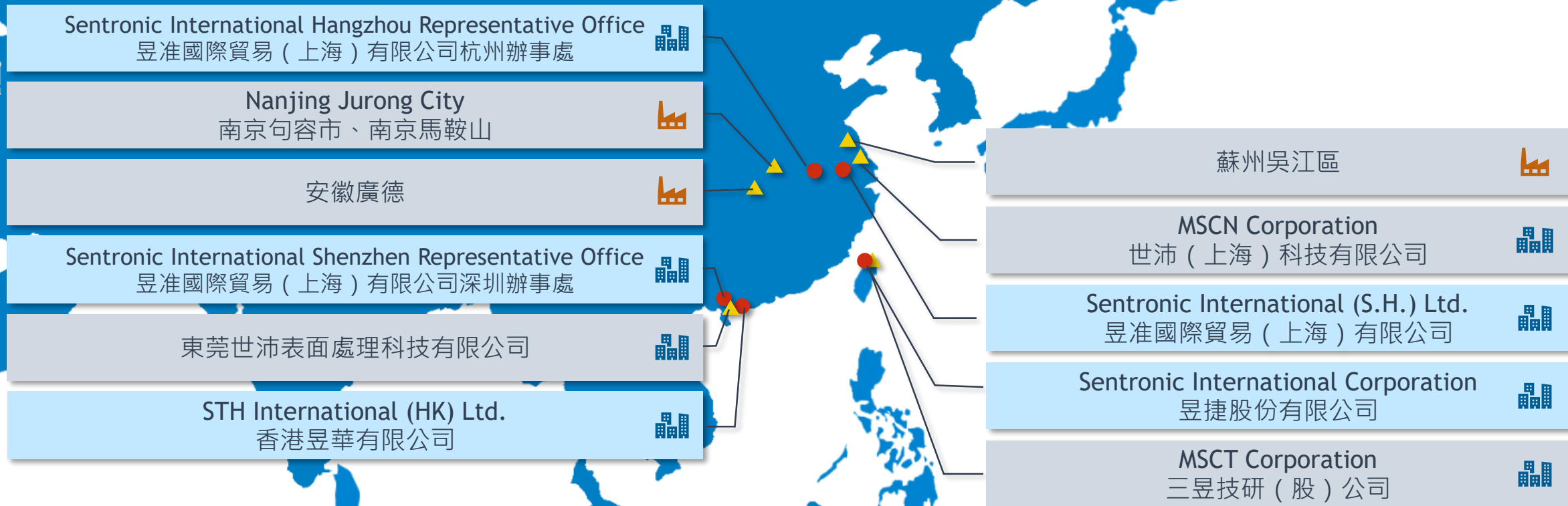


19 worldwide brands right
of agency, provide you with
a variety of electric
component choices.



Prompt and high-quality
support service with
professional FAE team.

The Association Group



Office



NMT Line

SENTRONIC

Milestone

- 1987
 - ✓ SIC established in Taipei, Taiwan
 - ✓ Agency of selling Hitachi SICD related products
- 1988
 - ✓ Awarded as the “Best Cooperative Partner of the Year” by ACER
- 1989
 - ✓ Agency of selling Hitachi LCM and AV products
 - ✓ Awarded as the “Best Cooperative Partner of the Year” by ACER for the 2nd time
- 1992
 - ✓ Monthly sales reached one million USD for the first time
- 1993
 - ✓ Awarded as the “Best Cooperative Partner” by Arima
 - ✓ SIC Group-STH (HK) established in Hong Kong
 - ✓ Annual sales reached 20 million USD
 - ✓ Awarded as “The Best Cooperative Partner” by ACM

Milestone

- 1998
 - ✓ Awarded as “Outstanding Procurator” by Hitachi
- 1999
 - ✓ SIC Group-STH established in Suzhou, China
- 2000
 - ✓ SIC (TWN) took over business of SIC Group-JTS (Singapore) and renamed as **Sentronic**
 - ✓ SIC Group-STH established in Shenzhen, China
 - ✓ Sentronic changed Chinese name from 有限公司 to 股份有限公司
- 2001
 - ✓ SIC (TWN) increased capital from NTD 103M to NTD 122M
 - ✓ SIC (TWN) reached local sales amount up to **NTD 700M**
- 2002
 - ✓ SIC (TWN) increased capital from NTD 122M to NTD 193M
- 2003
 - ✓ SIC (TWN) increased capital from NTD 193M to NTD 230M
 - ✓ SIC (TWN) gained **ISO 9001:2000** certification
 - ✓ Increased product lines of **Stanley, Phison**

Milestone

- 2004
 - ✓ Relocated the operating office to “Metropolitan ERA Headquarters”
 - ✓ Awarded as the “Best Cooperative Partner of 2003” by ASUS
 - ✓ SIC (TWN) increased capital from NTD 230M to NTD 290M
 - ✓ SIC (TWN) approved by SFB for IPO
 - ✓ Increased product lines of **Semtech**
- 2005
 - ✓ SIC (TWN) increased capital from NTD 290M to NTD 306M
- 2006
 - ✓ SIC (TWN) ranked 237th in Commonwealth: “Top 500 Service Enterprises”
 - ✓ SIC (TWN) ranked 242nd in Business Weekly: “Top 1000 Companies Ranking”
 - ✓ Gained the “Budget Achievement Award” from RENESAS
 - ✓ Agency of selling Windbond, NOVATEK, Raydium, and IAT products

Milestone

- 2007
 - ✓ SIC (TWN) ranked **210th** in Commonwealth: “Top 500 Service Enterprises”
 - ✓ Agency of selling **Isahaya**, **Ascend**, and **Taisei** products
 - ✓ SIC (TWN) increased capital from NTD 306M to NTD 312M
- 2008
 - ✓ SIC (TWN) ranked **259th** in Commonwealth: “Top 500 Service Enterprises”
- 2009
 - ✓ SIC (TWN) ranked **285th** in Commonwealth: “Top 500 Service Enterprises”
 - ✓ Agency of selling **RSPTW** products in Taiwan and China
- 2010
 - ✓ SIC (TWN) ranked **344th** in Commonwealth: “Top 500 Service Enterprises”
 - ✓ Agency of selling **DTT** products

Milestone

- 2011
 - ✓ SIC (TWN) ranked **470th** in Commonwealth: “Top 500 Service Enterprises”
 - ✓ Agency of selling **UTC** and **HONG-YOU** products
- 2012
 - ✓ SIC (TWN) ranked **483rd** in Commonwealth: “Top 500 Service Enterprises”
- 2013
 - ✓ SIC (TWN) ranked **445th** in Commonwealth: “Top 500 Service Enterprises”
 - ✓ Agency of selling **MCC** products
- 2014
 - ✓ SIC (TWN) ranked **619th** in Commonwealth: “Service Enterprises Ranking”
 - ✓ Agency of selling **Synaptics** products

Milestone

- 2015

- ✓ SIC (TWN) established and reinvested the subsidiary companies including **MSCT Corporation**, **MSCN Corporation**, and 東莞世沛金屬表面處理有限公司
- ✓ SIC Group-MSCT Corporation established in Taipei, Taiwan
- ✓ SIC Group-MSCN Corporation established in Shanghai, China
- ✓ SIC Group-東莞世沛金屬表面處理有限公司 established in Dongguan, China
- ✓ Cooperate with Mitsui Chemicals in **POLYMTAC™** development
- ✓ SIC (TWN) ranked **1160th** in China Credit Information Service Ltd.: “Top 5000 Largest Corporations in Taiwan”

- 2016

- ✓ SIC (TWN) ranked **1374th** in China Credit Information Service Ltd.: “Top 5000 Largest Corporations in Taiwan”

Milestone

- 2017

- ✓ SIC (TWN) ranked **637th** in Commonwealth: “Service Enterprises Ranking”
 - ✓ SIC (TWN) ranked **2323rd** in China Credit Information Service Ltd.: “Top 5000 Largest Corporations in Taiwan”
 - ✓ General agent of selling **Synaptics’** product “**Mobile Telecommunications**” in Taiwan
-

- 2018

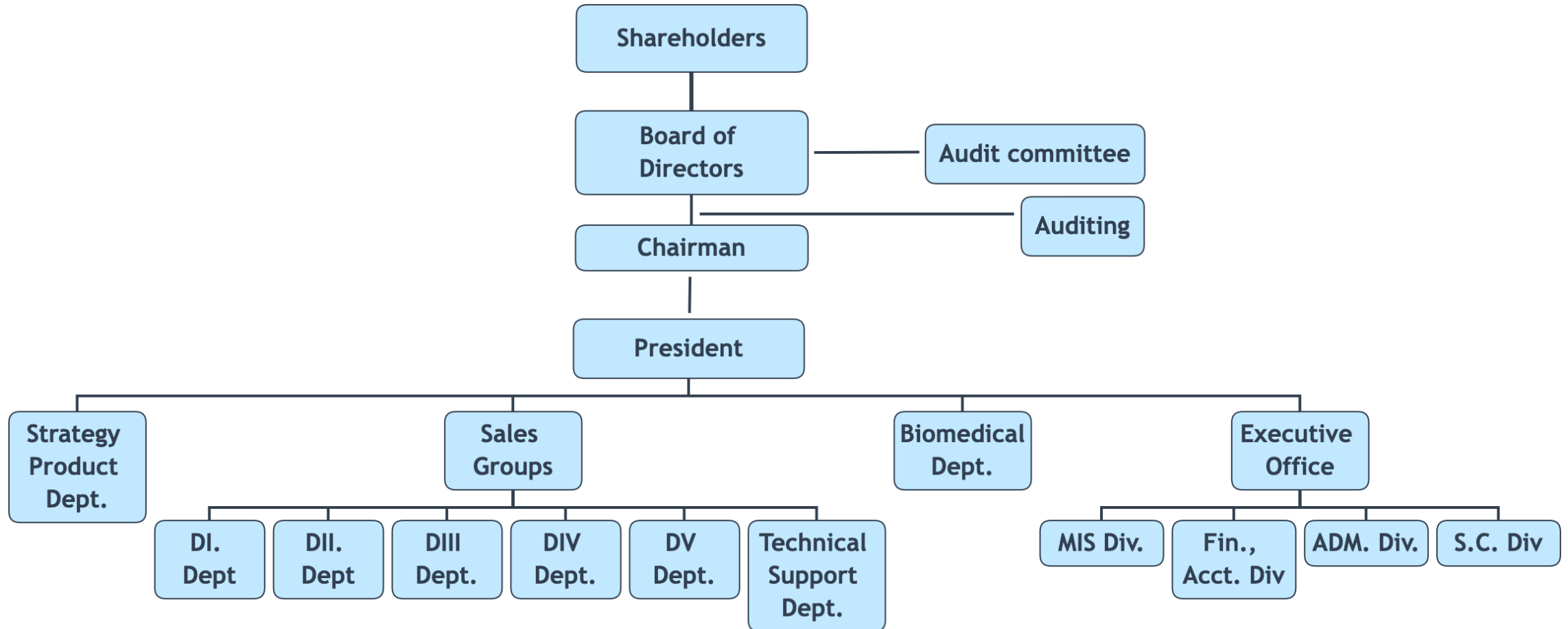
- ✓ SIC (TWN) ranked **1811th** in China Credit Information Service Ltd.: “Top 5000 Largest Corporations in Taiwan”
- ✓ General agent of selling **Nirec’s** medical equipment in Taiwan and China
- ✓ SIC (TWN) began applying the license of medical product selling in Taiwan

Milestone

- 2019
 - ✓ SIC (TWN) ranked **2397th** in China Credit Information Service Ltd.: “Top 5000 Largest Corporations in Taiwan”
 - ✓ Agency of selling **IDEMIA FRANCE S.A.S., SMART PACKING SOLUTIONS S.A.S.,** and **WILL SEMICONDUCTOR LIMITED** products
 - ✓ SIC (TWN) relocated to U-Town, New Taipei City, Taiwan
- 2020
 - ✓ Agency of selling **MARCROBLOCK, INC.** products
 - ✓ SIC (TWN) ranked **2689th** in China Credit Information Service Ltd.: “Top 5000 Largest Corporations in Taiwan”
- 2021
 - ✓ SIC (TWN) ranked **2619th** in China Credit Information Service Ltd.: “Top 5000 Largest Corporations in Taiwan”

To be continued...

Organization Chart



Mitsui Chemical

- POLYMETAC™
- TAFNEX™



三井化学
グループ

三晃技研

SENTRONIC

POLYMETAC™



Metal and resin integrated molding technology and materials and parts that can be obtained from it



Today, there is a demand to reduce weight and manufacturing processes in the automobile and electronic equipment sectors. Mitsui Chemicals' POLYMETAC™ is a metal and resin integration technology that attains the strong adhesion and bonding of metals and resins that was not possible with conventional methods.

The points are:

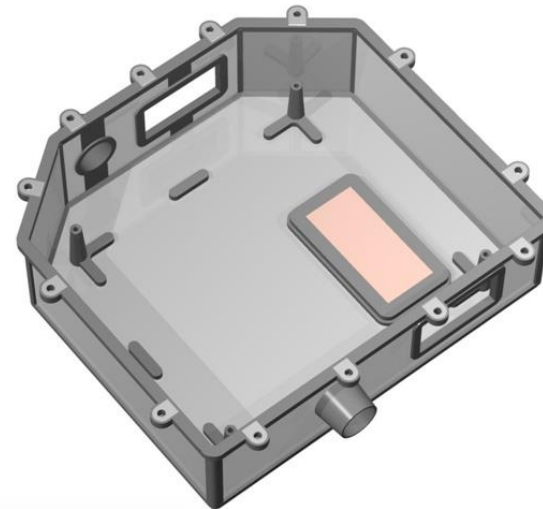
- Insulation
- Strength design
- Air tightness
- Lightweight and compact
- Fewer production processes and lower assembly costs
- Improved design

POLYMETAC™



三井化学
グループ 三晃技研

Application Reference



SENTRONIC

POLYMETAC™



三井化学 三晃技研
グループ

Application Reference: Notebook



SENTRONIC

TAFNEX™



Carbon Fiber Composites (CF+PP)

TAFNEX™ CF/PP is a unidirectional tape (UD tape) composed of carbon fiber and polypropylene (PP) achieved by unique technology of Mitsui Chemicals. It can be applied for local reinforcement of injected or pressed molded parts and for parts in the form of tubes or laminated sheet.



Carbon Fibers

+



Resins, CAE & Molding

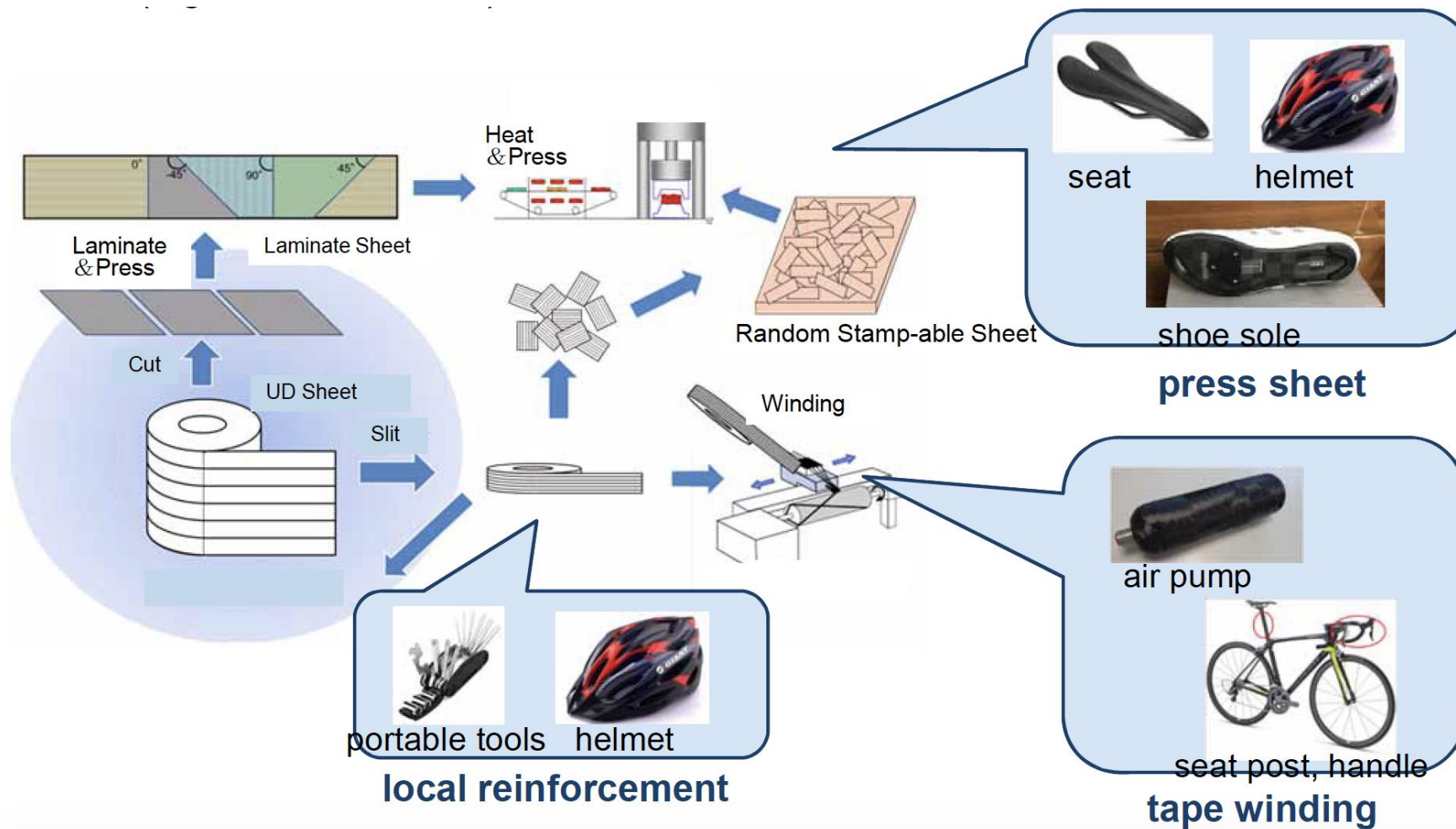


SENTRONIC

TAFNEX™



三井化学



Agent Brands



Advanced Power Electronics Corporation



- Product Information

SENTRONIC

Product Information

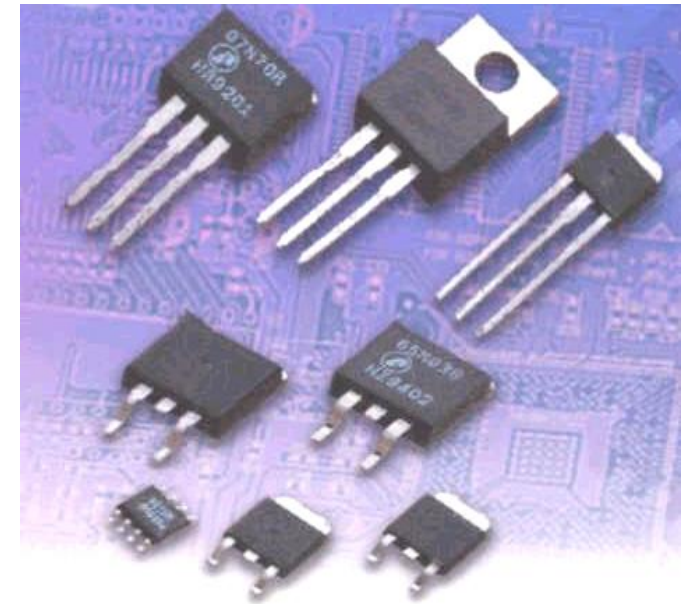


- **Power MOS FET**

- TO-247 / TO-220 / TO-263(261) / TO-252(251) / SOP-8 / TSSOP-8
SOT-23 / SOT323 / AMAPK / DFN.
- 12v ~ 1200v All Series.
- Direct FET

- **IGBT**

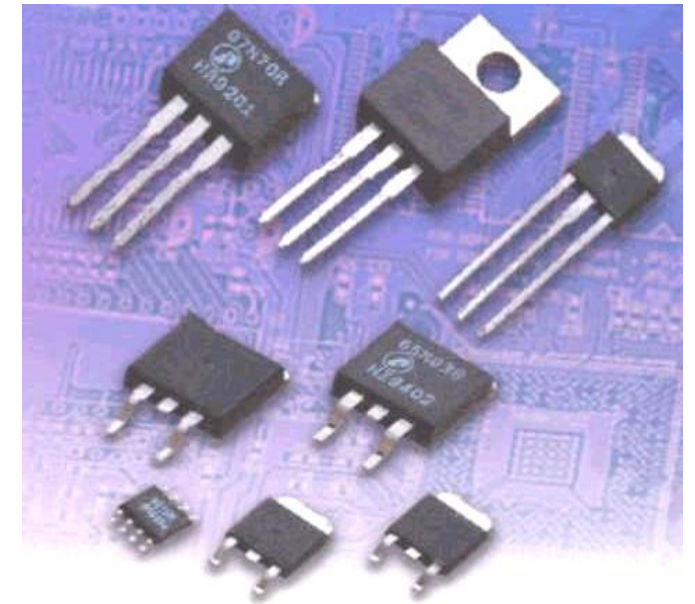
- TO-3P Package / TSOP-8 Package
- 270v ~ 1200v Products.



Product Information



- **ICs Products (Linear Regulator)**
 - 0.3mA ~ 7A Dropout & Dual / Shunt Regulator (LDO)
- **Switching Controller**
 - Dual Phase / Dual output
- **Switching Converter**
 - Buck DC/DC Converter / VFM Converter
- **Reset IC / Hall Sensor / LED Driver**



CET-MOS Corporation

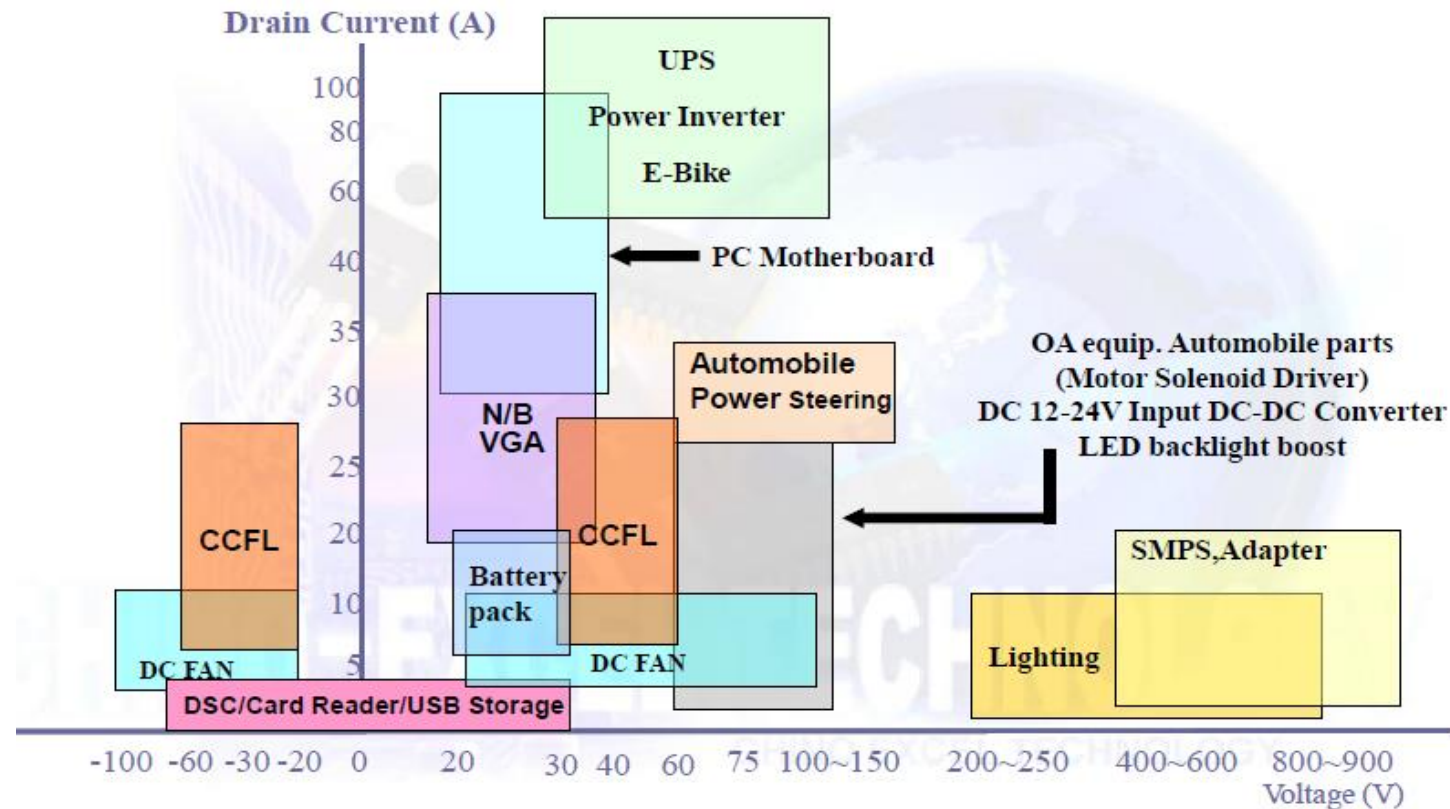


- Product Information
 - Power device application
 - Product roadmap

Product Information



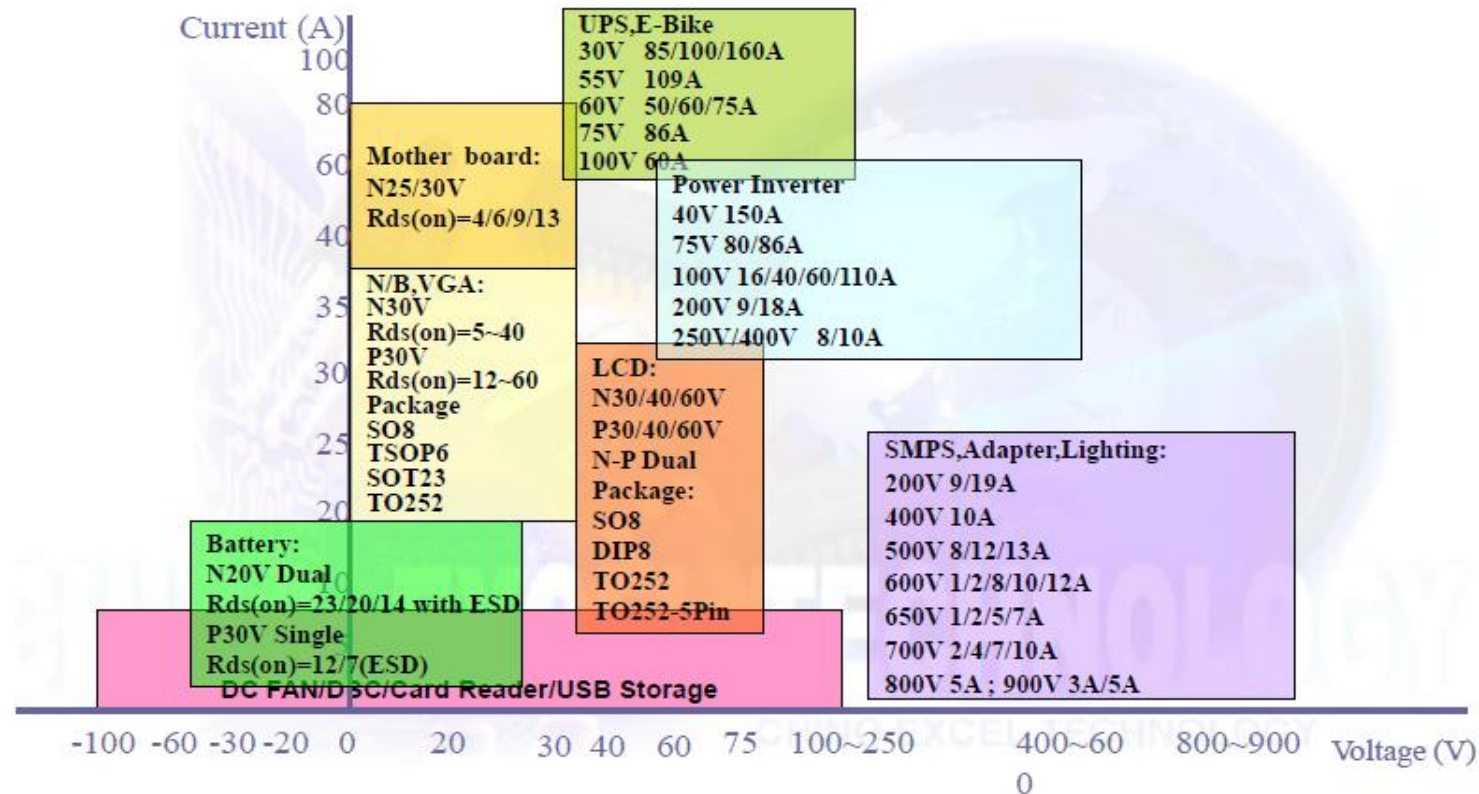
Power device application



Product Information



Product roadmap



Formosa Microsemi

- Product Information



Product Information



AEC-Q101 Qualified

- General Purpose Rectifiers
- Fast Diodes
- TO-220 Low Vf Schottky Diodes
- Transient Voltage Suppressors (TVS)
- Zener Diodes & Rectifiers
- Switching Diodes
- Mini Bridge Rectifiers

GigaDevice

- Product Information
 - NOR SPI Flash roadmap
 - GD32 ARM® Cortex®-M MCU roadmap

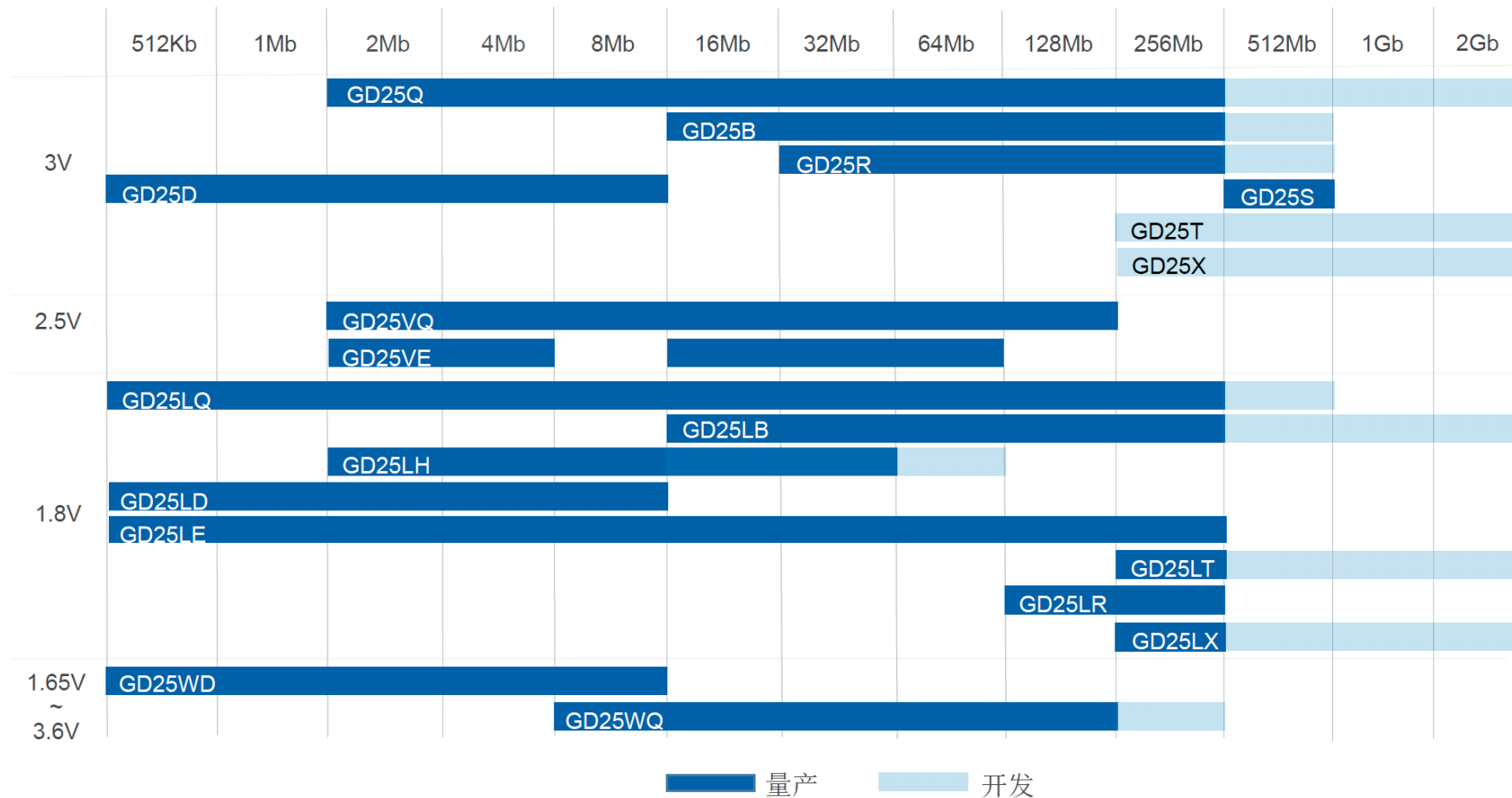


Product Information



GigaDevice

NOR SPI Flash roadmap



SENTRONIC

Product Information



GD32 ARM® Cortex®-M MCU roadmap

	性能	Arm® Cortex®-M 32-bit MCUs			
		Cortex®-M23	Cortex®-M3		Cortex®-M4
GD32 Arm® MCU 产品家族	高性能		GD32F205 120MHz, 3M Flash, 256K RAM	GD32F207 120MHz, 3M Flash, 256K RAM	GD32F450 200MHz, 3M Flash, 512K RAM GD32F407 168MHz, 3M Flash, 192K RAM GD32F405 168MHz, 3M Flash, 192K RAM GD32F403 168MHz, 3M Flash, 128K RAM
	主流型		GD32F105 108MHz, 1M Flash, 96K RAM GD32F103 108MHz, 3M Flash, 96K RAM	GD32F107 108MHz, 1M Flash, 96K RAM GD32F101 56MHz, 3M Flash, 80K RAM	GD32F305 120MHz, 1M Flash, 96K RAM GD32F307 120MHz, 1M Flash, 96K RAM GD32F303 120MHz, 3M Flash, 96K RAM GD32E103 120MHz, 128K Flash, 32K RAM
	入门型	GD32E231 72MHz, 64K Flash, 8K RAM GD32E230 72MHz, 64K Flash, 8K RAM	GD32F170 48MHz, 64K Flash, 8K RAM GD32F130 48MHz, 64K Flash, 8K RAM	GD32F190 72MHz, 64K Flash, 8K RAM GD32F150 72MHz, 64K Flash, 8K RAM	GD32F330 84MHz, 128K Flash, 16K RAM GD32F350 108MHz, 128K Flash, 16K RAM
	专用型				GD32FFPR 168MHz, 1M Flash, 128K RAM

HestiaPower



- About HestiaPower
- Product Feature
- Product Information

About HestiaPower



聚焦寬能隙功率半導體元件與模組開發供應，主要產品有：

1. 碳化矽 SiC (Silicon Carbide) 二極體與MOSFET元件

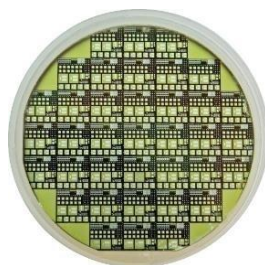
2. 氮化鎵 GaN-on-Si 功能半導體元件

以及基於寬能隙功率半導體技術的功率模組

碳化矽元件



氮化鎵技術



功率模組



Product Feature



SiC Schottkey Diode

- 極快速的反向恢復
- 優異的浪湧電流能力
- 高溫反向漏電流低
- 175°C的結溫能力
- 高耐壓的蕭特基高速元件結構
- 元件特性與溫度相依性低

SiC MOSFET

- 低導通電阻
- 高速（高頻）切換
- 高耐壓

Product Information



產品	規格		包裝
SiCSBD	650V	2A/4A/6A/8A/10A/15A/20A/30A/40A/50A	TO-220/TO-220F TO-252/TO-263/TO-247
	1200V	2A/5A/8A/10A/16A/20A/30A/40A	TO-220/TO-220F TO-252/TO-263/TO-247
SiCMOS	650V	20mΩ/110A	TO-247
		20mΩ/107A	TO-247-4L
		50mΩ/50A	TO-247
		100mΩ/25A	TO-247
		200mΩ/12A	TO-247
		50mΩ/52A	TO-220-3L
		100mΩ/25A	TO-220-3L
SiCMOS	1200V	200mΩ/12A	TO-220-3L
		30mΩ/80A	TO-247
		60mΩ/41A	
		80mΩ/40A	
		120mΩ/20A	
		240mΩ/10A	
		45mΩ/58A (under planning)	TO-247
		40mΩ, 1Ω	
SiCMOS	3300V	80mΩ	BareChip
Full SiC Moudule	650V	5mΩ/450A 2.5mΩ/900A	Module
	1200V	7.5mΩ/300A 5.63mΩ/450A 3.75mΩ/600A	Module

Isahaya Electronics

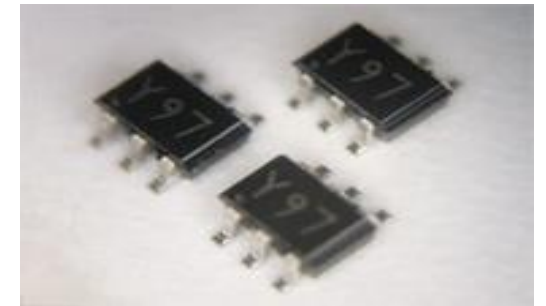
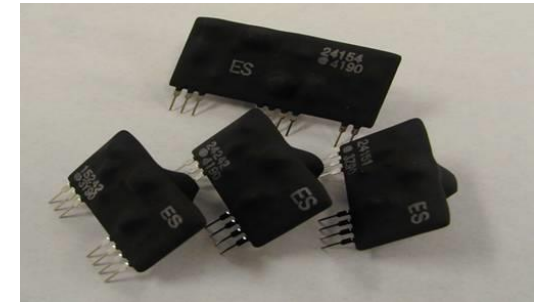
 イサハヤ電子株式会社

- Product Information

SENTRONIC

Product Information

- **HYBRID IC**
 - Isolated DC-DC converter
- **Small signal Transistor & Diode**
 - 2ch Muting transistor with distortion prevention buffer transistor
 - Ultra super mini muting transistor with built-in resistor



Product Information

◆ Isahaya Automotive design wins

Actual design wins after 2003

Application	T	N	H	Mi	Ma	S	Other	Motor bikes
Around Engine	Di, MOSFET, Common, high breakdown	MOSFET (2A) ZD	Common, Di	Common, Di	Common, Di	Common, Di	Common, Di, High Voltage	High breakdown, Di, Mute, MOSFET
EV Power supply	DC-DC, MOSFET, high breakdown, Di	0.5A-Bip MOSFET	-	-	-	Common	ZD Built-in, High voltage, MOSFET	-
Power Steering	Common	-	1A Common, ZD built in	1A Common, ZD built in	1A Common, ZD built in	1A Common, ZD built in	-	-
Air Bag	Common	-	1A Common, ZD built in	1A Common, ZD built in	1A Common, ZD built in	1A Common, ZD built in	-	-
Head Light	MOSFET, MFT	1A Common, MFT, Common	Di, MOSFET, Common, MFT	Di, Common	Di, Common	High breakdown, Common	Common	Common, Di, high voltage, MOSFET
Meter, Instrument panel	Common 1A Common	Common 1A Common	Common 1A Common	Common 1A Common	Common 1A Common	Common 1A Common	Common 1A Common	Common, 1A Common, High voltage
BCU/BCM	Common, high current, 0.5A resist built in	Built-in, ZD	Common, Built-in ZD	Common, Built-in ZD, Jfet	Common, Built-in ZD	MFT MOSFET (2A)	Common	-
Navigation system	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	-
Audio	0.5A, Bio MOSFET (0.1A)	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	0.5A-2A Common, Di	MFT, 0.5A Common, Di, Mute	-
Other accessory	MFT High breakdown, high frequency, Common, Common (2A)	High frequency, ZD, Common, 1A Common	High frequency, Common, 0.5A Common	-	-	-	Common, Mute, High frequency	Common, Mute, High Voltage

Common, built-in resistor, MFT:
 0.5A Common: 2SC3052, 2SC4155A, RT2 series, RT3 series
 2A Common: 2SA1365, 1SA2188AM1, 2SC6046, RT5 series
 High breakdown: INA500/INC500 series, 2SC3444
 Built-in zener diode: INA800/INC800 series, 2SC5633
 Mute transistor: RTGN
 MOS-FET: INC2002, RTA series, RT3 series
 INJ/INK series, RT3J/RT3K series

J-FET: 2SJ125, 2SK433
 Switching diode: MC2846, MC2848, MC2850
 ESD protection diode: INT series
 High frequency transistor: 2SC5620 (4.5GHz), 2SC5636 (8GHz)
 MFT: RT8H series
 Shunt regulator: RT9H301/RT9H321 series

KEC Corporation

- Product Information

KEC

SENTRONIC

Product Information

KEC

Discrete & ICs

- MOSFETs (All Voltage, SJ MOS, AEC-Q)
- Bipolar Transistor
- IGBT
- Diodes & Rectifiers
- Amplifiers & Comparators
- Power Management

SENTRONIC

Lyontek

- Product Information



SENTRONIC

Product Information



產品	類別	規格	包裝
Asynchronous SRAM	Low Power SRAM	64K~64M bit	PDIP/SOP/TSSOP/TSOPI/TSOPII/BGA
	High/Fast Speed PSRAM	64K~16M bit	PDIP/SOP/TSSOP/TSOPI/TSOPII/BGA
	High Speed Low Power SRAM	64K~1M bit	TSSOP/TSOPI
Audio Amplifier	Low Power Class AB	Mono-2W/4Ω 2.7W/4Ω 3.2W/4Ω	8 MSOP/8 EMSOP
	Low Power Class D	Mono-3.3W/4Ω 5.5W/2Ω 3.6W/4Ω	8 MSOP/8 EMSOP/8 DFN
		Stereo- 3.3W*2/4Ω	10 MSOP/16 SOP
	High Power Clasee D	Stereo/Multi Channel	28 TSSOP/48 LQFP

Macroblock



Macroblock

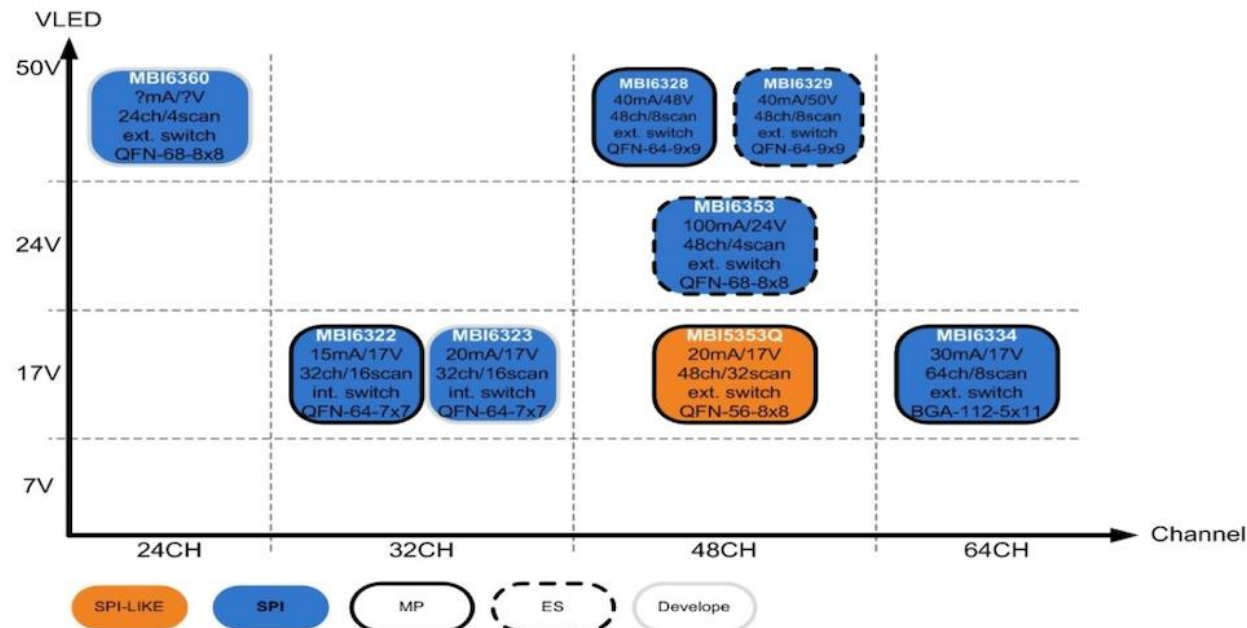
- Product Information
 - Full-Array Local Dimming-Backlight
 - LED Display Driver IC

Product Information



Full-Array Local Dimming-Backlight roadmap

Backlight Roadmap

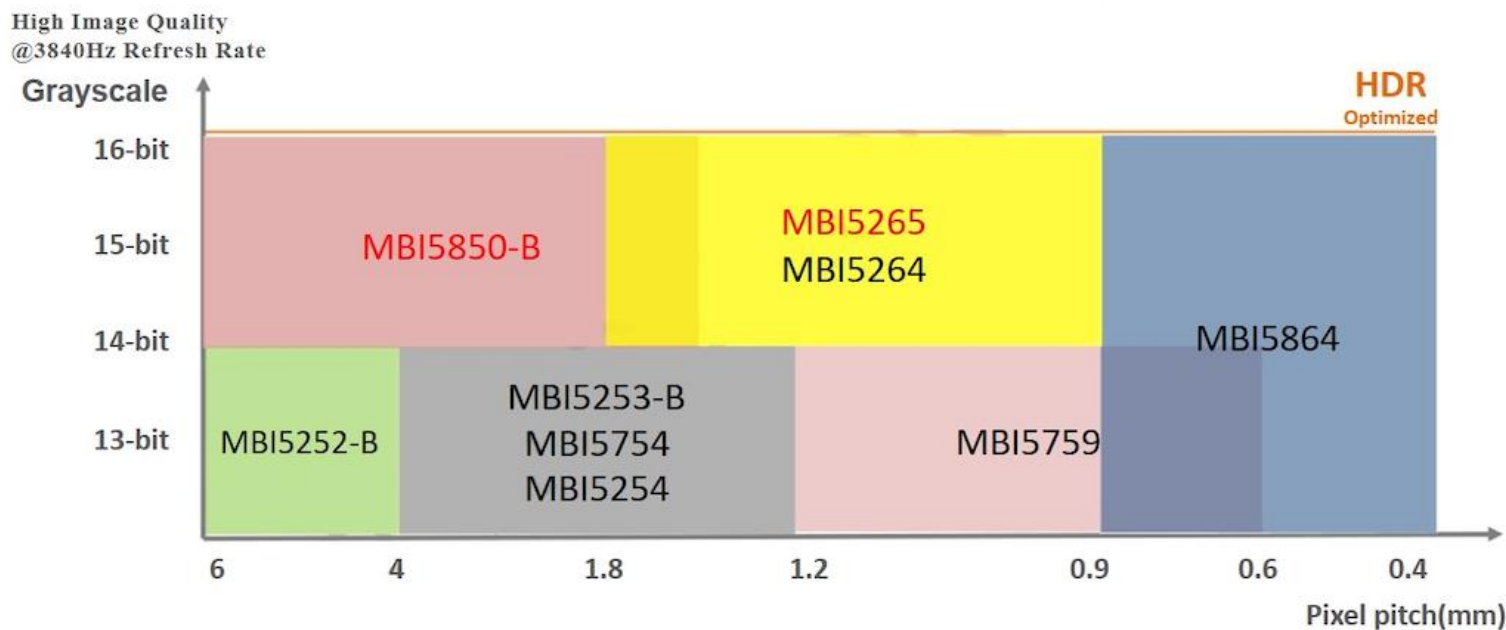


Product Information



LED Display Driver IC

LED Display Driver Selection Guide



Major-Power

- About Major-Power
- Product Information
 - Hall Device
 - Fan Device

About Major-Power



Major-Power Technology Co., Ltd. has the professional and unique research and development capabilities for DC/DC Power management/Hall Sensor/MOSFET series products integrated circuit design and high quality and reliable production system control.

The teams are equipped with plenty of learning experience on CMOS & Hall sensor production control to supply the high quality and high reliability products for customers. Major-Power dedicates on good service to gain customers recognition.

久昌科技成立於 2011 年8月，為一專業的模擬 IC 設計公司，經營團隊擁有磁性霍爾傳感器組件及電源管理 IC應用領域豐富的技術開發經歷。藉由完整產品線、高質量生產及良好客戶服務獲得市場客戶一致肯定。

久昌科技並隨時學握電子產業發展趨勢，與客戶緊密合作研發，不斷推出新產品，以符合市場應用需求。

About Major-Power



- Supply products:

- Hall-Switch/Latch/Linear Sensor
- DC-DC Power Management IC
- LED Driver
- BLDC Fan Driver

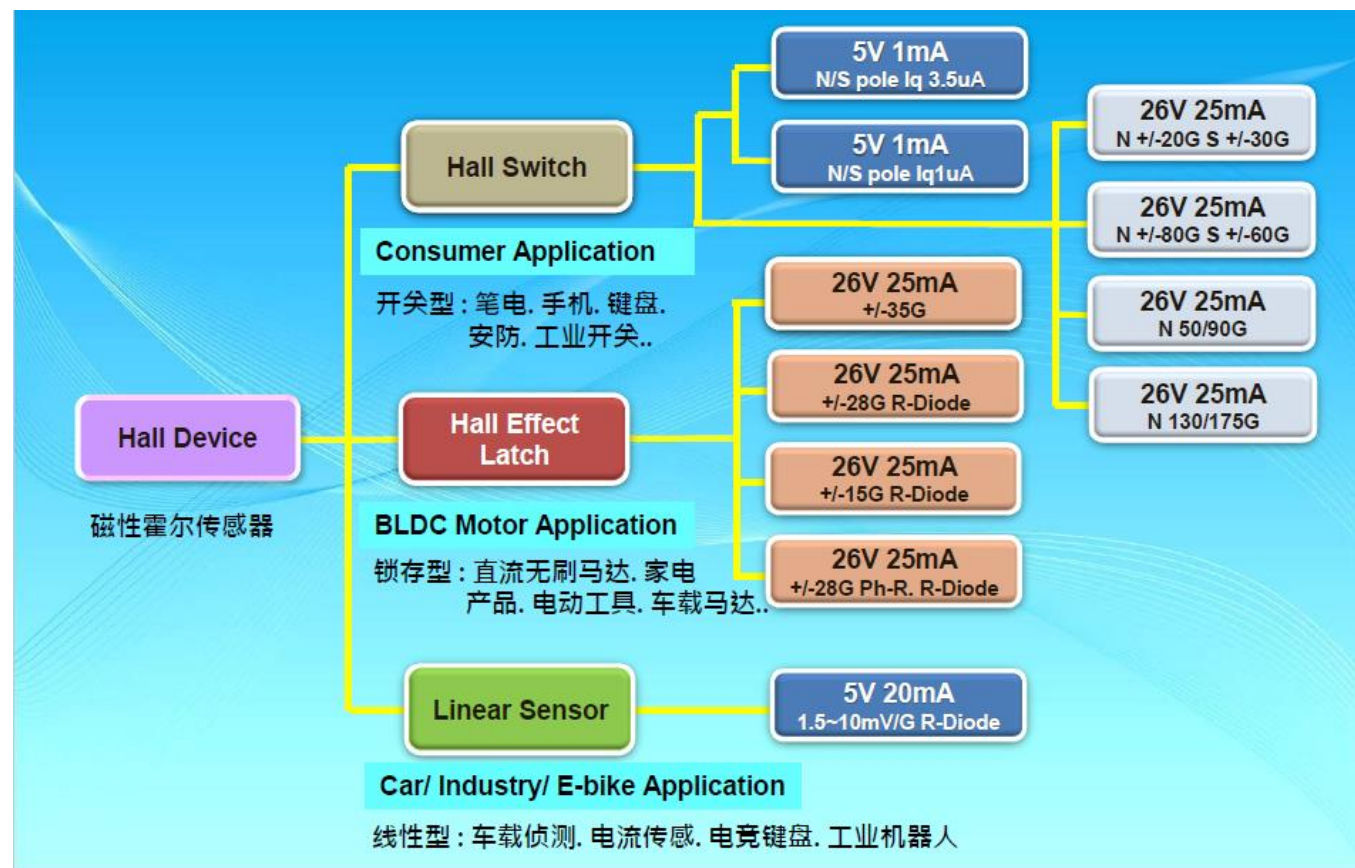
- 產品分類

- 霍爾傳感器（開關/鎖存/線性）
- 直流電源管理IC
- LED驅動IC
- 直流無刷風扇驅動IC

Product Information



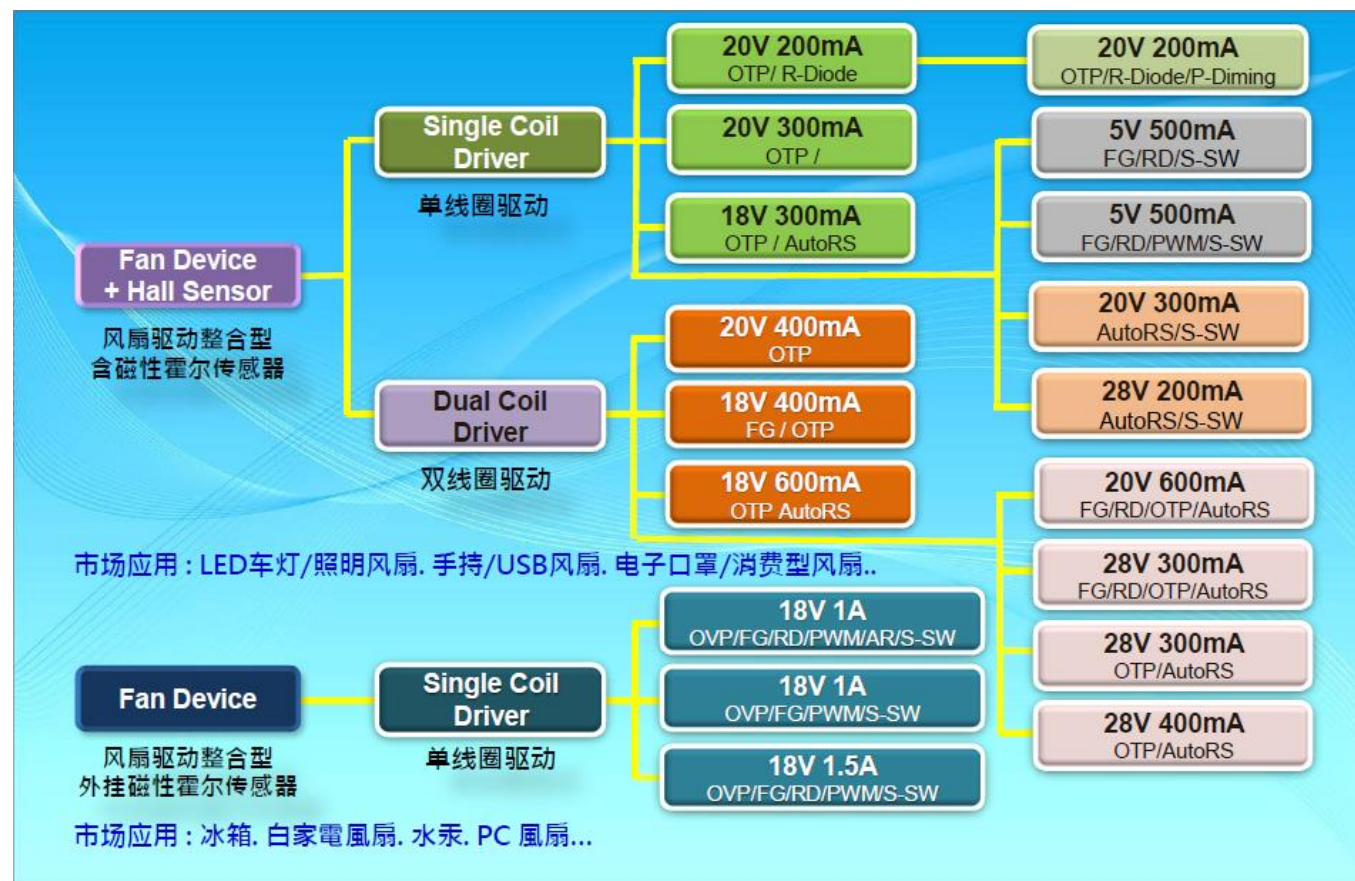
Hall Device



Product Information



Fan Device



Micro Commercial Components



- Product Information

Product Information



- Schottky Barrier Rectifiers
- Standard Rectifiers
- Fast Recovery Rectifiers
- Superfast & Ultrafast Recovery Rectifiers
- Switching Diodes
- Zener Diodes
- TVS&ESD Devices
- Metal Oxide Varistors
- Multi-Layer Varistors
- Small Signal Transistors
- Medium Power Transistors
- Voltage Regulators
- NTC Thermistors
- LEDs
- TVS & Zener AECQ Grade
- Schottky & Fast Wafer



OmniVision

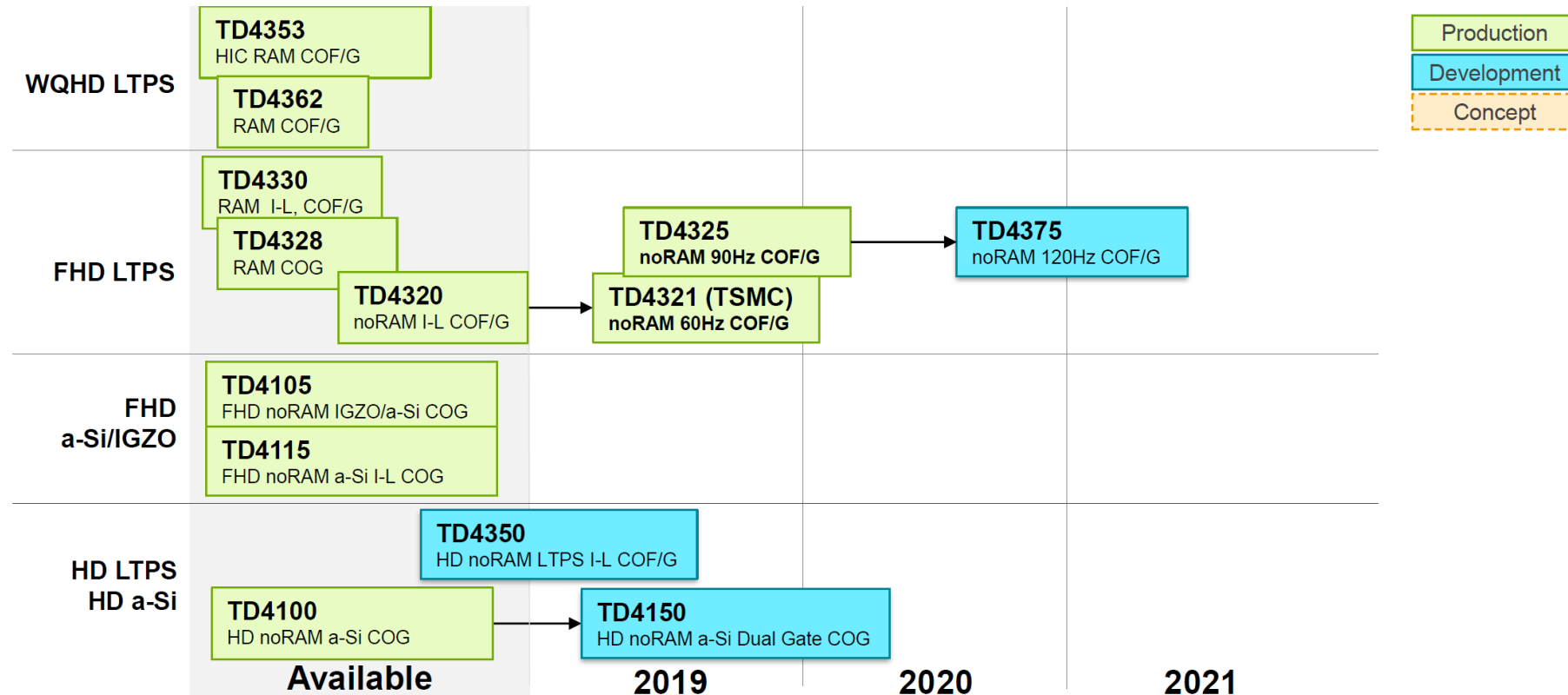
- Product Information
 - LCD TDDI Roadmap
 - Will Semi



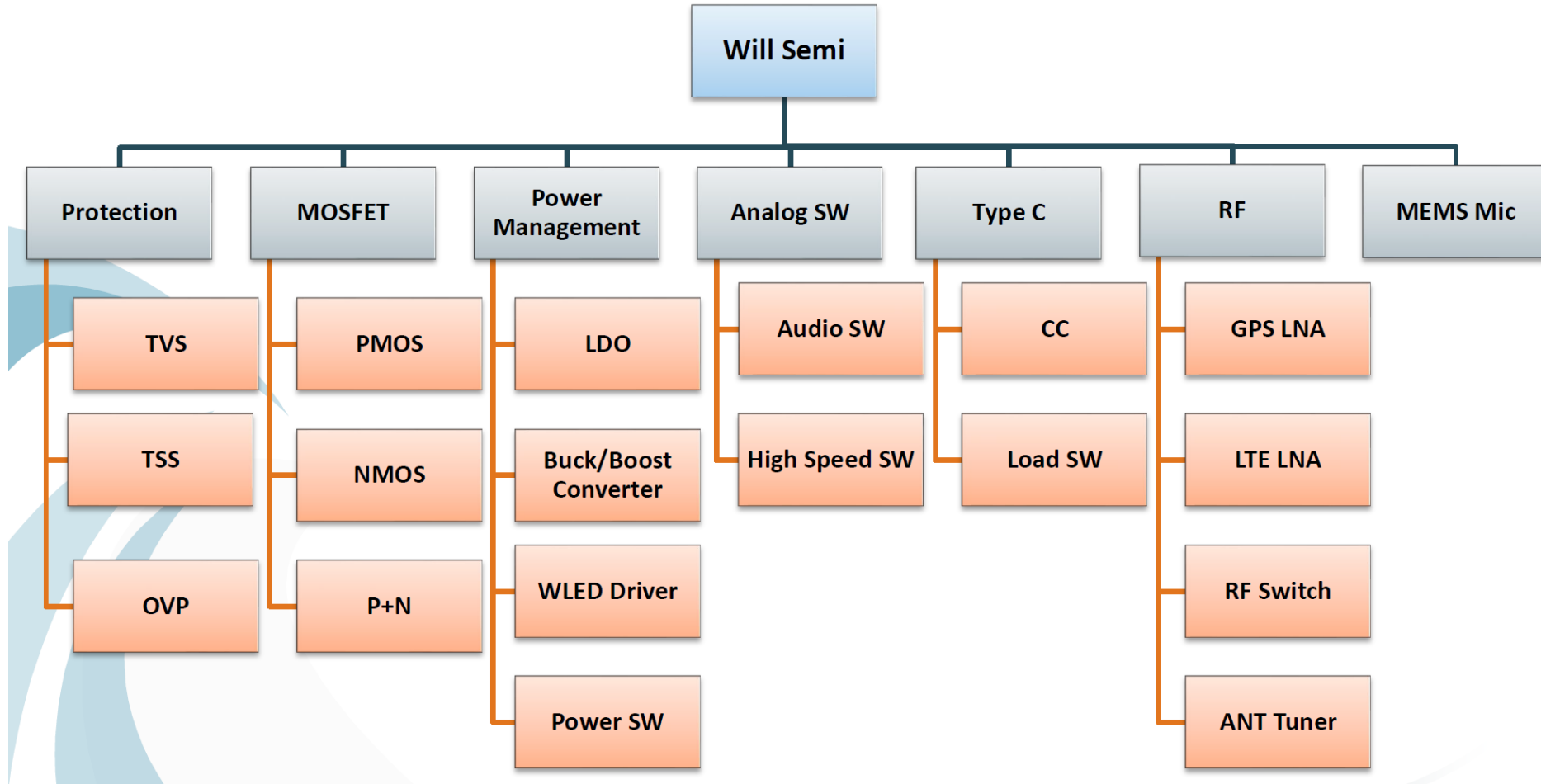
Product Information



LCD TDDI roadmap



Product Information



POTENS

- Product Information

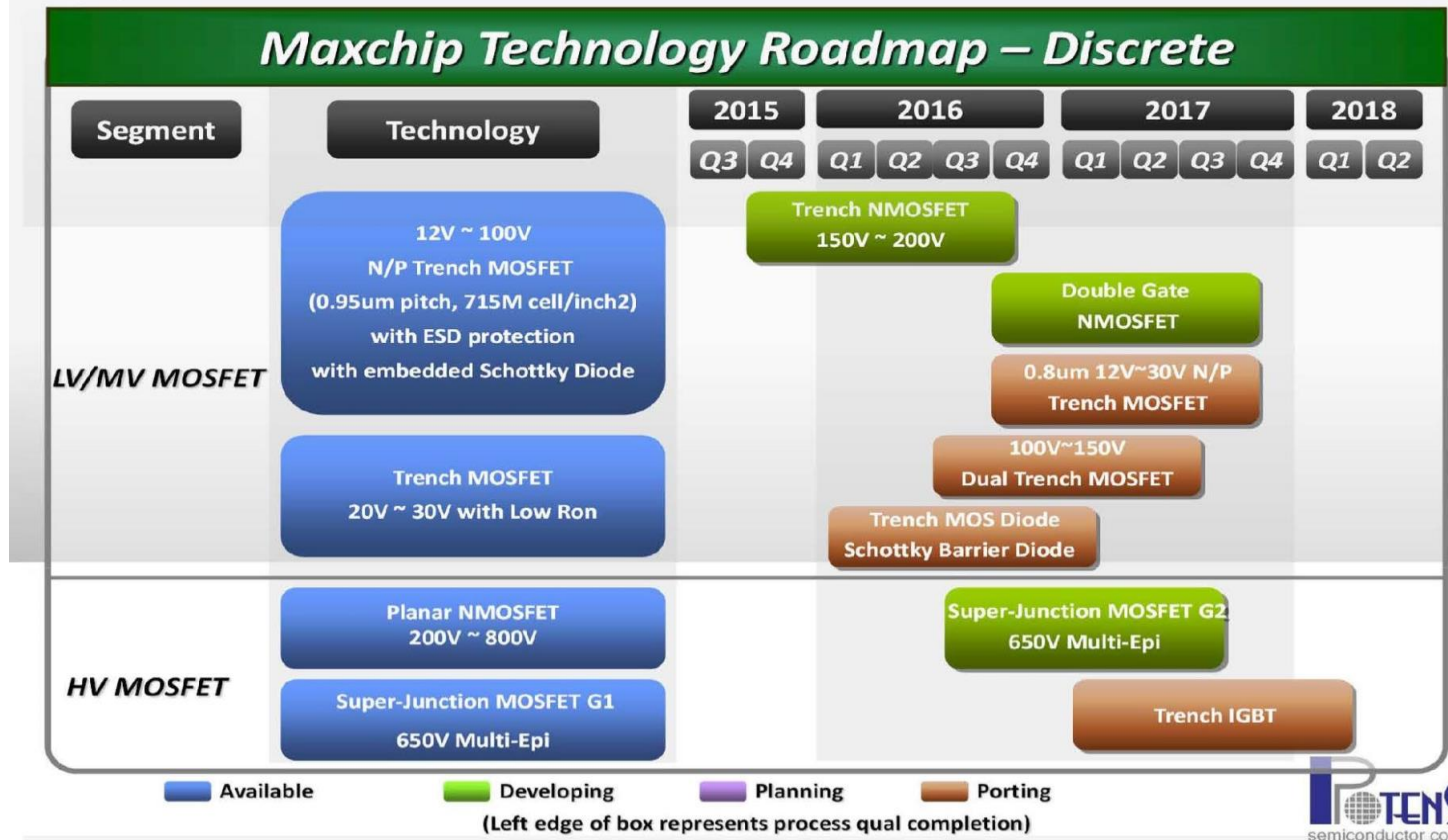


Product Information



Foundry Partner

Maxchip in Taiwan



Renesas

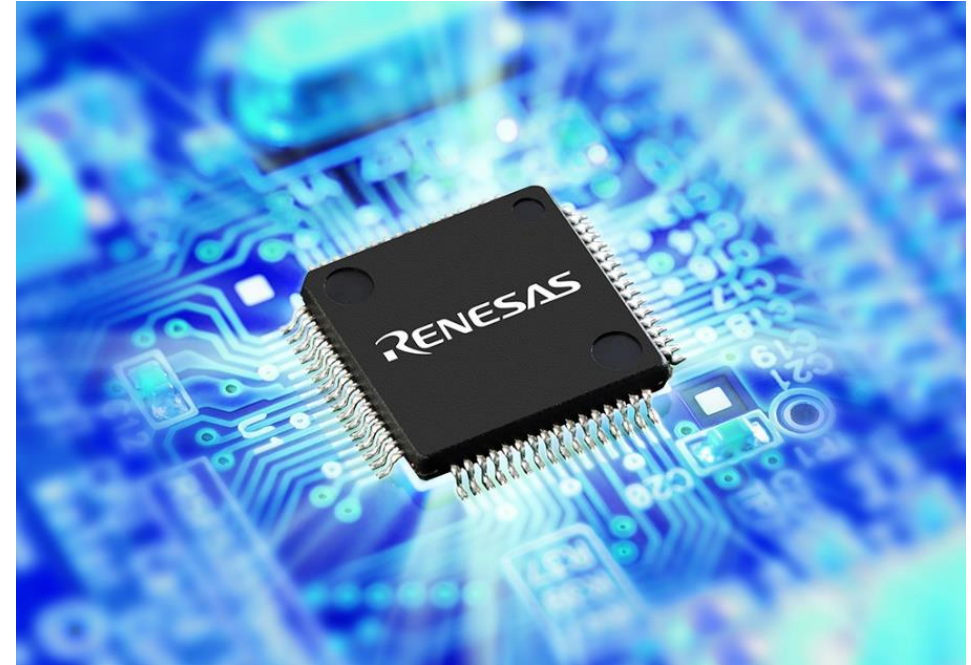
- About Renesas
- Product Information



About Renesas




Renesas is a global semiconductor company delivering trusted embedded design innovation with complete semiconductor solutions that enable billions of connected, intelligent devices to enhance the way people work and live.



SENTRONIC

Product Information



Microcontrollers and Microprocessors	Analog & Mixed Signal, Power Discrete	SoC, Integrated Platforms
 8/16-bit Ultra-Low Energy MCU Sensing and Motor Control	<ul style="list-style-type: none">▪ Analog Products▪ Battery Management IC▪ Clock & Timing, Digital Logic▪ Interface & Connectivity▪ Memory▪ Optoelectronics▪ Power Devices▪ RF Products▪ Sensor Products▪ Space & Harsh Environment▪ Video & Display IC▪ Wireless Power ...and more	 Automotive
 32-bit High Power Efficiency MCU Motor Control		 Factory automation
 32-bit Arm® Cortex®-M MCU Advanced Security, Connectivity & Flexible SW		<hr/>
 32/64-bit Arm®-based High-End MPU Human Machine Interface, Industrial Network & Real-time Control		Renesas autonomy™ Automotive
 SOTB™ Process-based Energy Harvesting Embedded Controller Battery maintenance-free IoT devices		Renesas RZ/G Linux Industrial, HMI
 Renesas 40nm process MCU Automotive only Rich functional safety and security features		Renesas Synergy™ IoT and IIoT

Synaptics



- Product Information
 - Automotive HMI Evolution
 - Industry's Broadest Touchscreen Portfolio
 - Automotive In-Cell/TDDI Roadmap

Product Information



Automotive HMI Evolution

DDIC
SOLUTIONS



TOUCH
SOLUTIONS



TDDI & OLED
SOLUTIONS



FINGERPRINT
SOLUTIONS



VOICE &
MULTI-MODAL

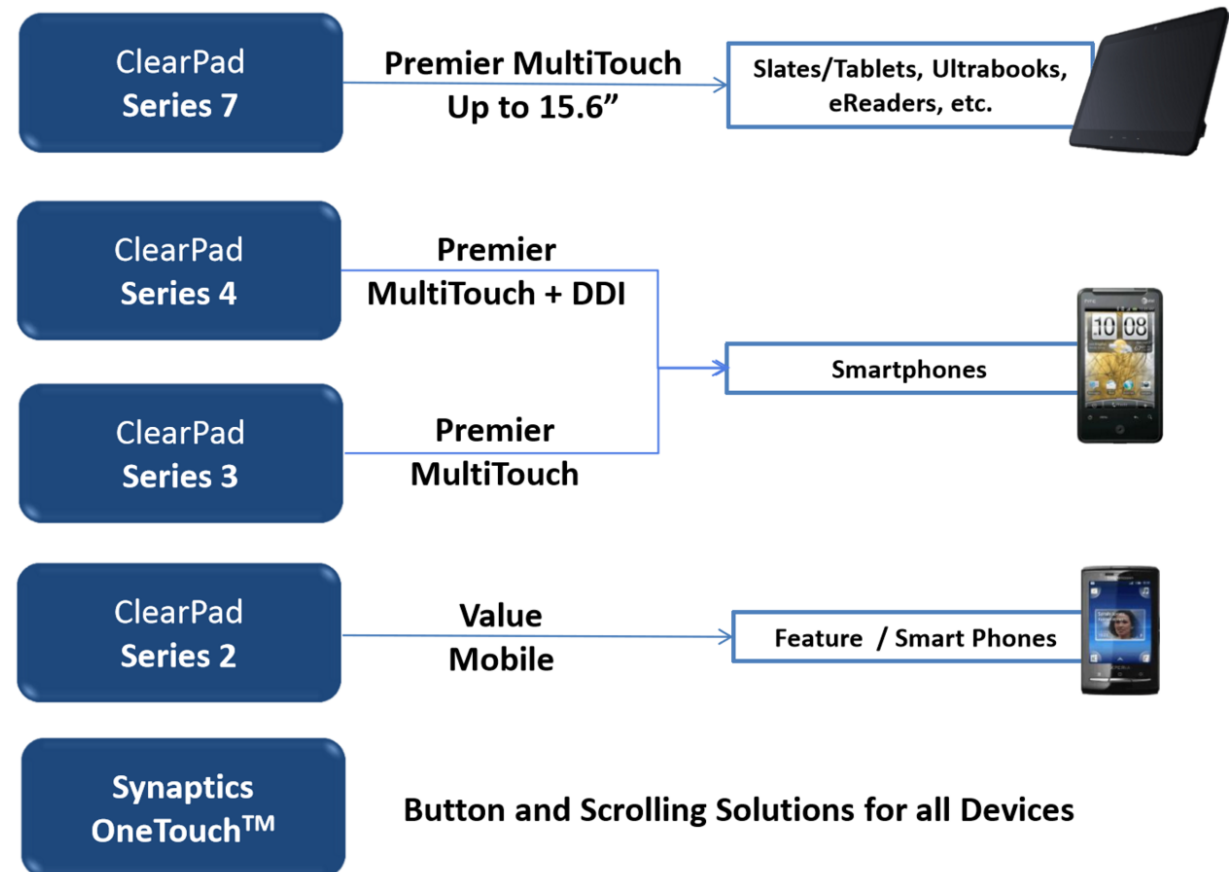


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Product Information



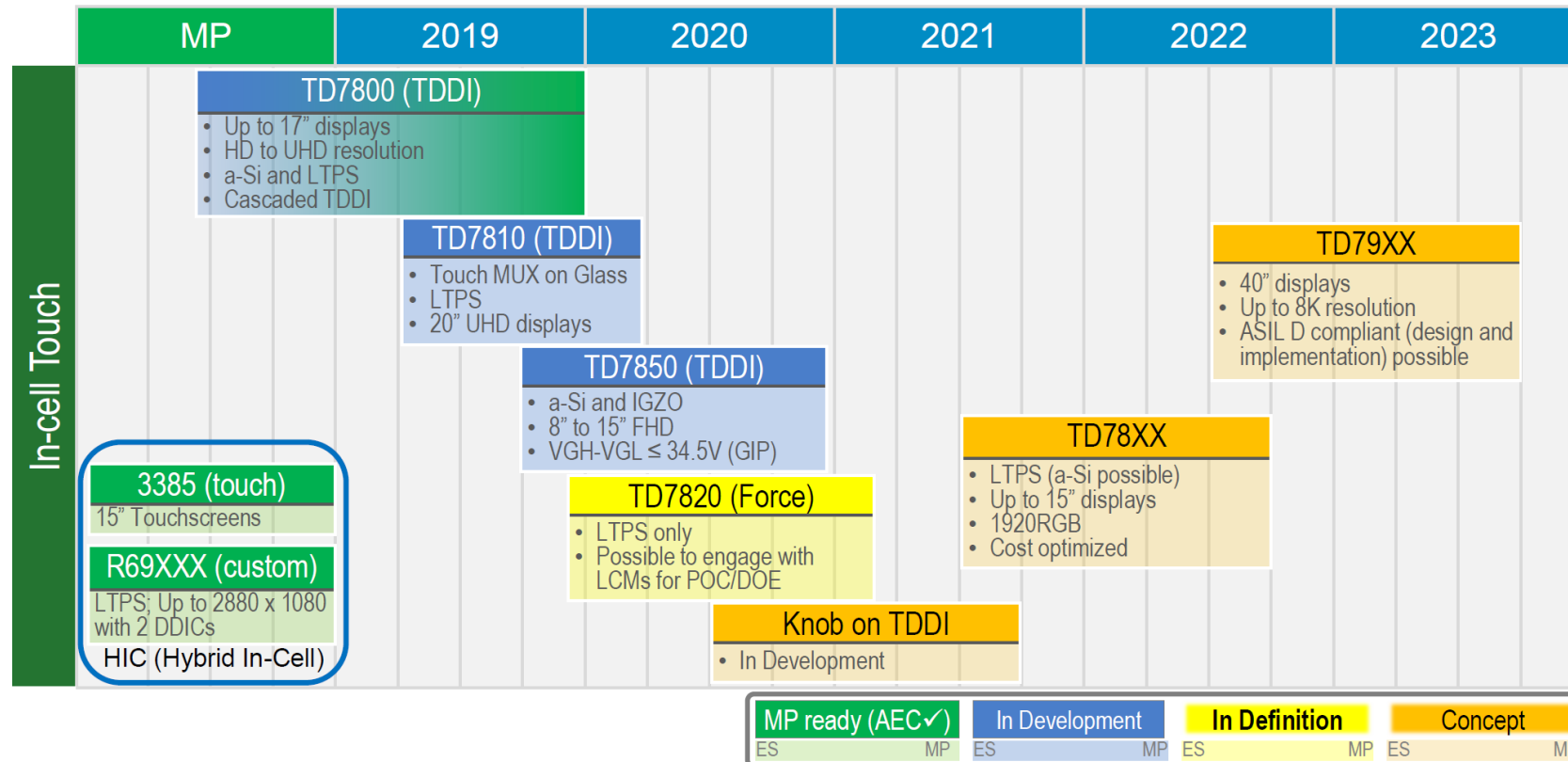
Industry's Broadest Touchscreen Portfolio



Product Information



Automotive In-Cell/TDDI Roadmap



Unisonic Technologies Co.,Ltd

- Product Information
 - Linear IC
 - Discrete



Product Information



Linear IC

- Voltage Regulator
- Low Dropout Voltage Regulator
- Power Supply Controller And DC-DC Converter IC
- Voltage Detection & System Reset IC
- Power Factor Control IC
- Voltage Comparator
- Operational Amplifier
- Timer
- Audio Power Amplifier and Audio Related circuit
- Video Signal Switch IC
- Telecommunication Circuit
- Motor Controller IC
- Melody IC
- Alarm /Sound General IC
- Radio and Cassette Recorder Circuit
- Television Circuit
- Interface And Driver Circuit
- FET Bias Controllers
- Christmas Lamp Controller
- Mouse & Keyboard Controller
- Leakage Current Detector
- Multiplexers/Demultiplexers IC
- Remote Controller IC
- Hall IC
- Miscellaneous
- Logic IC & Voltage Translators



Product Information



Discrete

- Bipolar Transistors
 - Small Signal Transistor
 - Medium Power Transistor
 - High Power Transistor
- Thyristor
 - SCR (Silicon Control Rectifier)
 - Triac
- Unipolar Transistors
 - JFET (Junction Field Effect Transistor)
 - DMOSFET
- Diode
 - Switching Diodes
 - Zener Diodes
 - Schottky Diodes
- Power MOSFET



Thank you for listening.

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*Pursuing **sensitivity electronic** since 1987*