Universal Microelectronics Co., Ltd.

（No：2413）

AGENDA

1	Company Profile
2	Products development
3	Marketing
4	Future Vision

Company Profile

- **INITIAL OPERATION** :
  - » January 1984

- **EMPLOYEES** :
  - » Taiwan — 650
  - » China — 4000
  - » Vietnam — 1000

- **CAPITAL** :
  - » US$ 43,209,000

- **INITIAL PUBLIC OFFERINGS**:
  - » October 1998

- **ANNUAL SALES**:
  - » US$ 130,616,100 (2016)

- **PLANT FLOOR AREA** :
  - » 32,100 m² ---- Taiwan HQ and Factory
  - » 72,200 m² ---- Shenzhen Factory
  - » 9,200 m² ---- Longyan Factory
  - » 7,200 m² ---- Meizhou Factory
  - » 13,000 m² ---- Hanoi Factory

Headquarters Taichung Taiwan

Taichung Factory

Shenzhen Factory

Meizhou Factory

Hanoi Factory

Longyan Factory

Certification

- **CERTIFICATIONS**
  :
  - » **Taiwan Factory**
    - — **ISO 9001**
    - — **ISO 14001**
    - — **ISO/TS 16949**
    - — **ISO 13485**
    - — **TL 9000**
    - — **UL / TUV**
    - — **SONY GP**
    - — **MFi Manufacturing**

  - » **China Factory**
    - — **ISO 9001**
    - — **ISO 14001**
    - — **ISO/TS 16949**
    - — **UL / TUV**
    - — **QC 080000**
    - — **SONY SPP**
    - — **OHSAS 18001**
    - — **MFi Manufacturing**

  - » **Vietnam Factory**
    - — **ISO 9001**
    - — **UL / TUV**
    - — **ISO 14001**
    - — **MFi Manufacturing**

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2 Products development

Product Segmentation

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Magnetic Component

* RF transformer
* Telecommunications
* Power Transformer
* Inductor Products
* Custom Design
  Transformers/Inductors

Power Supply
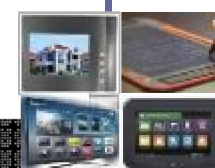
* DC/DC Converters
* AC Open Frame
* Power Adapter
* Hot-swappable
  Redundant Power
  Supply

Information & Communication

DMS/ EMS
* Marin & GPS Products
* Automotive Electronics
* GPS Tracker
* Wearable Devices
* BLE related Consumer
  Products

LCM Industrial Control Product

* 3 5i ch ~ 19inch
* COG, POG
* Lamination, OCR
* Film on Sensor Glass
* LCM assembly

OPTICAL COMMUNICATION

Ultra High Speed AOC
(SioB Technology) : HDMI,
DVI, USB, USB3.0, SFP+,
QSFP+
* Passive Components:
  CWDM/ DWDM
  Fused Biconical Taper

Magnetic Component Product

| RF Baluns/Transformers | SMD Transformer | Common Mode Choke | SMD Inductor |

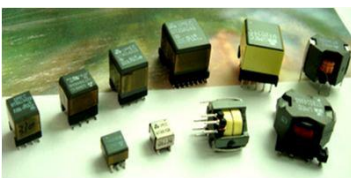| ISDN S/U-interface Transformers | Data Coupling Transformers | Common Mode Chock for ADSL/VDSL | Transformer for Power Applications |

| XDSL Transformers/POTS Inductors | Transformer & Inductor by Ringing Core Design | Inverter Transformer | Transformer |

Magnetic Component Product

IC Manufacturer	Technical
ADI	HomePlug/VDSL2
Broadcom	ADSL/ADSL2+/VDSL2/ADSL2+/VDSL3/G.FAST HomePlug/VDSL/VDSL2
Broadcom(Gigle)	HomePlug
Ikanos(Globespan)	ADSL/ADSL2+/G.SHDSL/VDSL
Ikanos(Globespan,Conexant)	ADSL2+/G.SHDSL/VDSL/VDSL2
Lantiq	Power
Lantiq(Infineon)	ADSL/ADSL2+/MDSL/SDSL/VDSL/VDSL2
Level One	DDS
Marvell (DS2)	G.hn/HomePlug
MicroSemi (Zarlink, Legerity)	ADSL/ADSL2+/POTS
Mstar, Qualcomm(Atheros,Intellon), Silicon Labs	HomePlug
Realtek, Metanoia, Sckipio	G.FAST/VDSL2
Sigma Designs (CopperGate)	G.hn/HomePlug/HPNA3
Silicon Labs	VoIP (Power)
Texas Instruments, STM	ADSL
Teridian	Analog
Triductor, INTEL(Lantiq), Metanoia	VDSL2

- Total Capacity : 20kkpcs per month.

- Telecom Transformers/Inductors : 9kkpcs per month

  (Ferrite EE5, EP7, EP10, EPX10, EP13, EPC13, RM4, RM5, RM6, TKH7---)

- LAN, ISDN, T1/E1, T3/E3 Transformers/Inductors : 3kkpcs/ per month

  (Ferrite Ring core T2.5~T10 ----)

- Power Transformers/Inductors : 8kkpcs per month

  (Ferrite EF16~EF32/11, EE40,-------)

Power Supply Product

UMEC Power Supply Business was started in 1984 from DC/DC converter.

With global R&D Headquarter is established in Taichung, Taiwan, and Technology Design teams located in Taipei, Taiwan and Shenzhen, China, enable UMEC to work closely with customers for various products meeting specialized needs and market trend.

DC/DC Converter

AC Open Frame

AC Adapter

CRPS & SSI N+1 Redundant
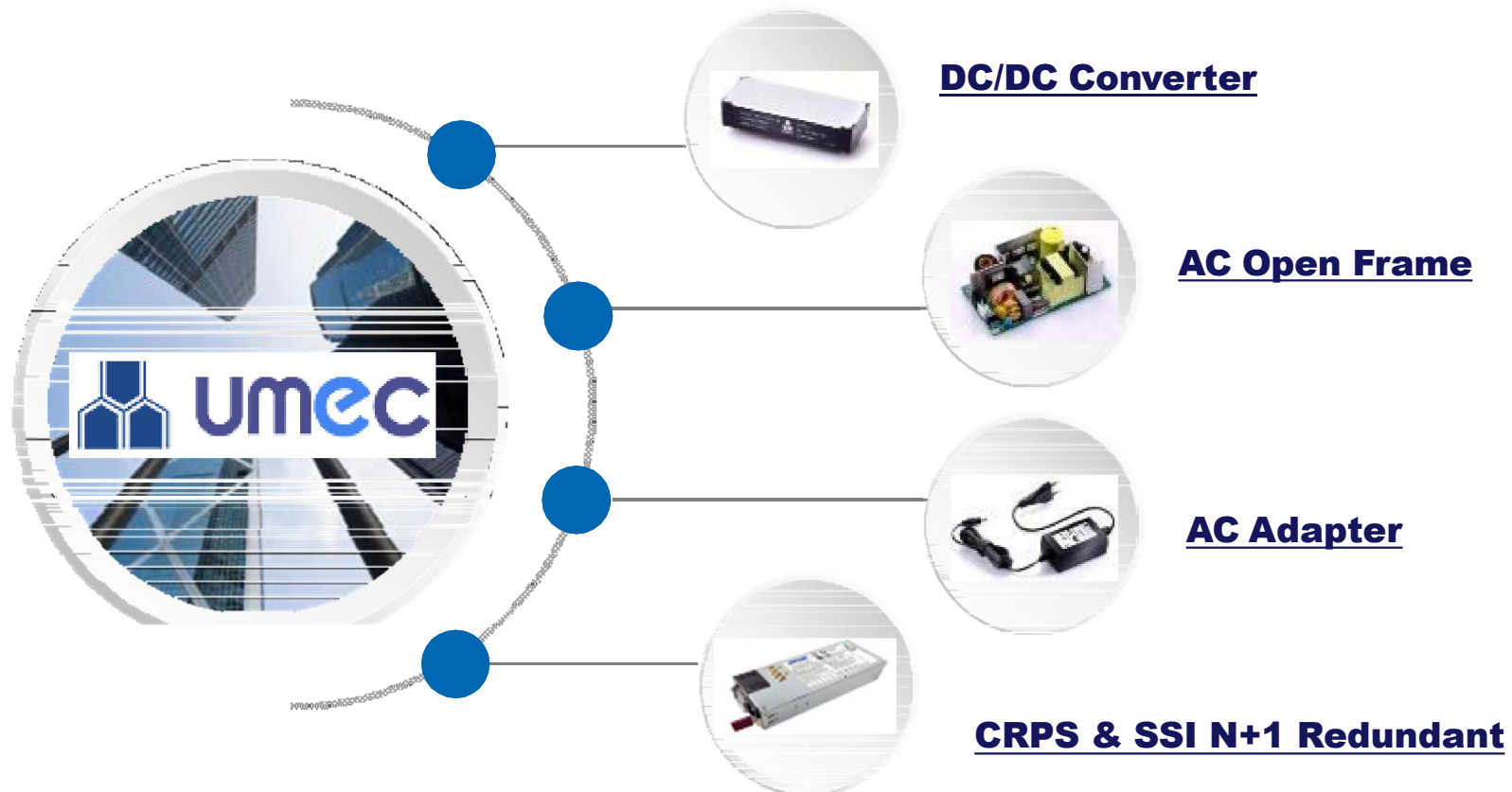
Power Supply Product

DC/DC Brick

For Telecom / Datacom & Industrial Control System

Encapsulated 1/16, 1/8 Brick series are available from 50W to 250W.

AC / DC Adapter

For Datacom System

Wall Mount Adapters are available with power range from 6W to 120W.

DC/DC Cu Case

For Telecom / Datacom & Industrial Control System

Industrial DC/DC Module series are available from 15W to 60W.

AC / DC Open Frame

For Color Laser Printer, Multifunction Printer

I.T.E Power Supply are available with power range from 40W to 880W.

DC/DC Multilayer Converter

For Telecom / Datacom and Industrial Control System

Hi Density DC/DC Board Mount Modules are available 50W to 400W.

Redundant(CRPS)

For Networking System

Redundant PoE Switch Application with range: 250W&550W available

umec Information&Communication Product

DMS/ EMS

- **Marine Products**
  - GPS System
  - Radar
  - Fish Finder, Transducer
  - Marine Chart Plotter
  - Trolling Motor Control System
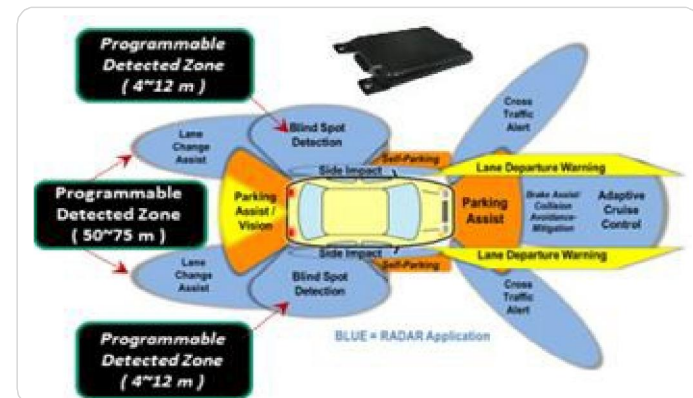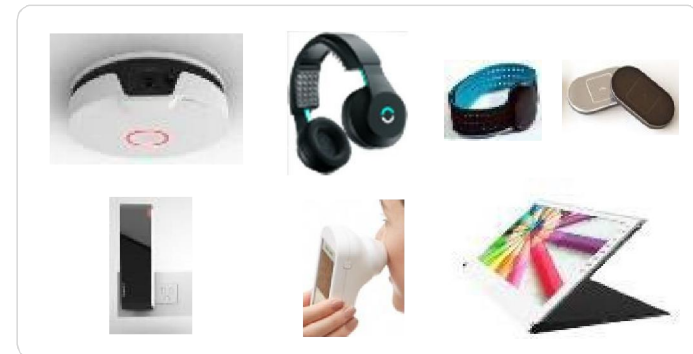 - Solid State Marine Radar

- **Automotive Products**
  - Automotive 24GHz Radar
  - Car Multimedia System
  - Power Trunk Control Board
  - GPS Tracker

- **Consumer Products**
  - Wearable Devices
    - BLE related Consumer Products

- **Marine Radar**
  - Solid State Marine Radar

Automotive Radar Solution

- ☐Blind Spot Detection
- ☐Lane Change Assistance
- ☐Door Open Warning
- ☐Rear Cross Traffic Alert

- ☐Front Cross Traffic Alert
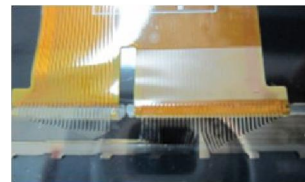- ☐Rear Collision Warning
- ☐Forward Collision Warning

LCM Process & Product

Polarize on Glass

Film On Board

Chip On Glass

Film On Sensor Glass

FPC On Glass

Lamination(OCR)

Optical Communication
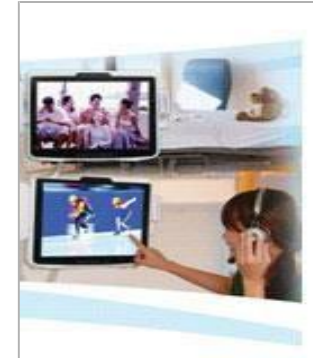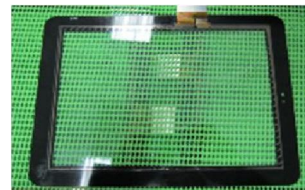
Ultra High Speed AOC (SioB Technology) :

HDMI, DVI, USB, USB3.0, SFP+, QSFP+

● **_Current Capacity: 5,000pcs/month_**

Target Application:

- **Medical Imaging Equipment**
- **Airplane On-board Video System**
- **TV Broadcast Station**
- **Conference Room Video System**
- **Traffic control**
- **Factory Automation Systems**
- **Digital Home Theatre**
- **LED signboards and panel information displays for Airports, Stadiums and Outdoor Advertising, Auditorium, and Kiosk.**

Optical Passive Components

COMPONENTS

● **Fused Biconical Taper（FBT)**

– **1x2 Single Mode Fiber Couplers**

– **1x2 Mutlimode Fiber Couplers**

– **1x3/1x4 Single Fused Coupler**

– **1310/1550, 980/1550,1480/1550 WDMs**

– **Compact Size Products**

● **CWDM/DWDM**

– **4 -10 Channels CWDM**

– **100/200 GHz DWDM**

– **980/1310/1480/1550 WDM**

– **1310/1490/1550nm Filter WDM**

– **Hi isolation FWDM**

– **Compact-size CWDM (6.8mm)**

10Ch LGX type

1*4 Splitter   1*8 Splitter
4RU Chassis for LGX type

Coupler/ WDM

Filter WDM

FBT Coupler, WDM, CWDM, DWDM
8CH Compact CWDM
55 × 30 × 6.5mm

3 | Marketing

Marketing

AGENDA

4 Future Vision

Future Vision

- Redundant Power Supply

- Automotive Radar Solution

- Solar Electricity

- LED Lighting

- Wearable Devices

- Ultra High Speed AOC

Thanks for Your Attention!