

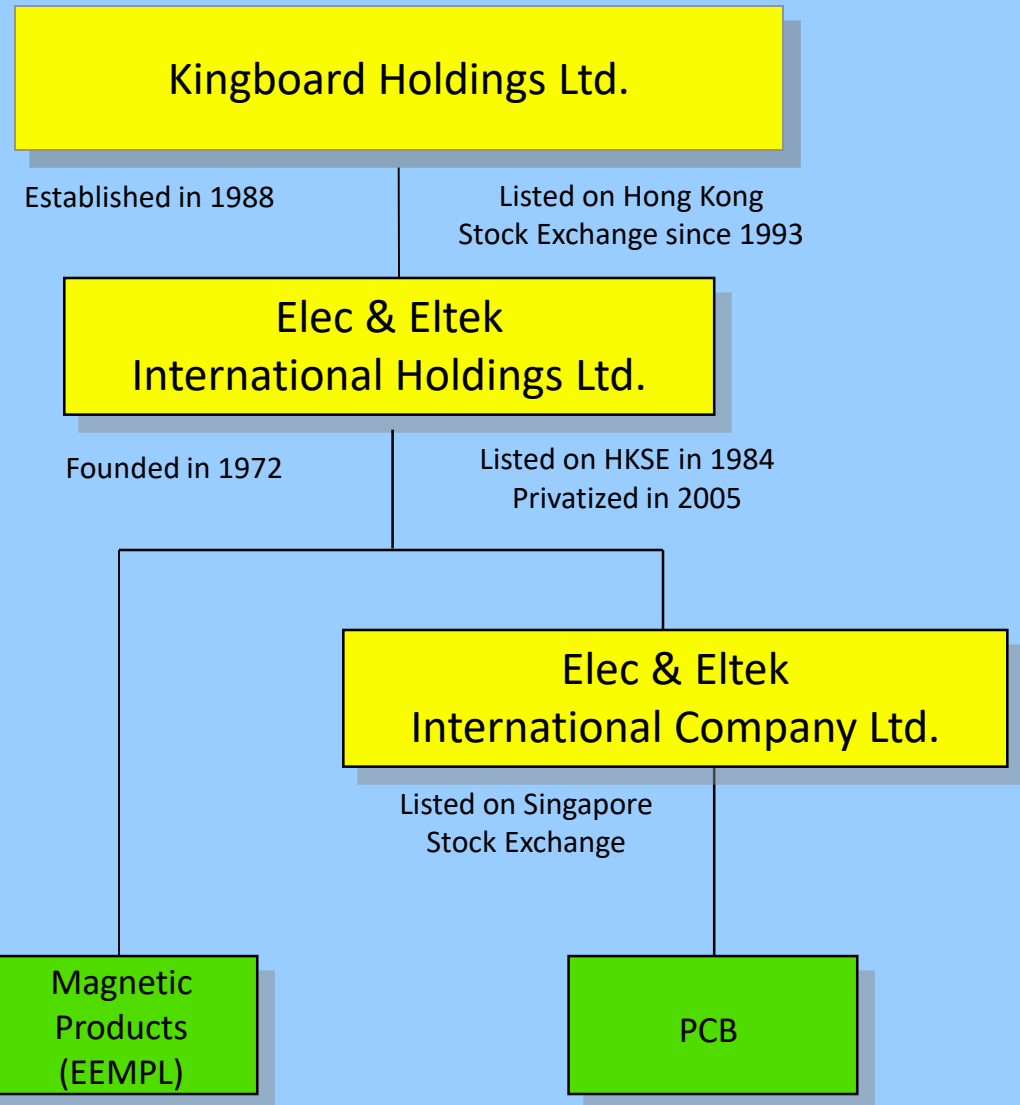
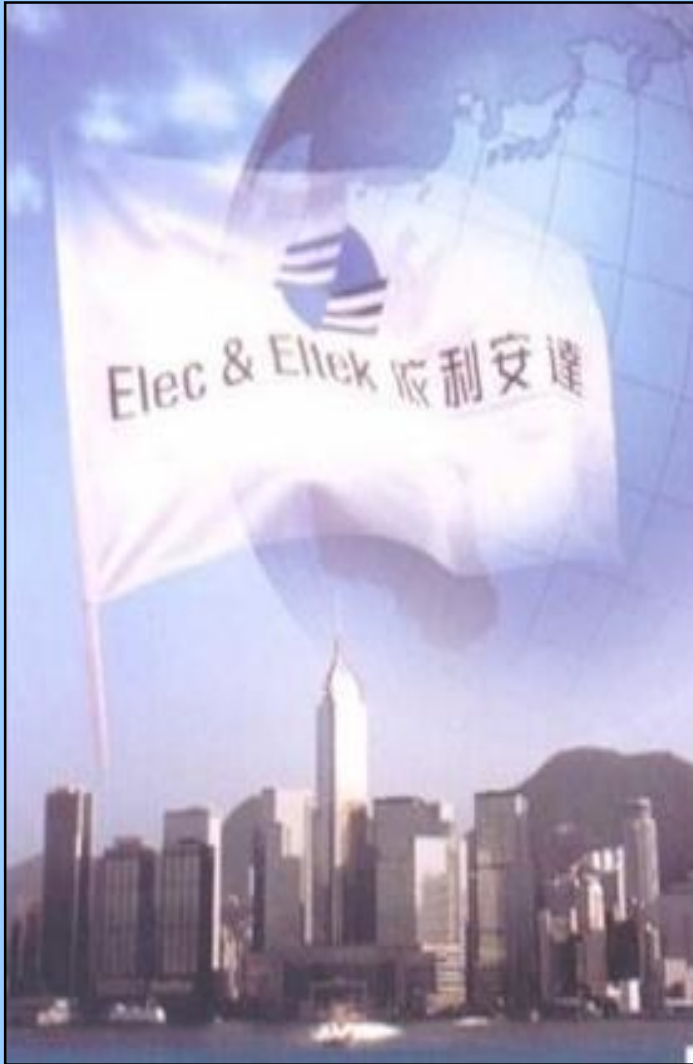
The background image is a composite. It features a close-up of two hands shaking in a firm grip, symbolizing a business deal or partnership. This is overlaid on a blue-toned image of a printed circuit board (PCB) with various electronic components. In the background, a faint world map is visible, suggesting a global presence. The overall color scheme is dominated by blues and greys, with the handshake providing a warm, human element.

COMPANY PROFILE OF E & E MAGNETIC PRODUCTS LIMITED

www.eleceltek.com

Date: May, 2018

ELEC & ELTEK GROUP

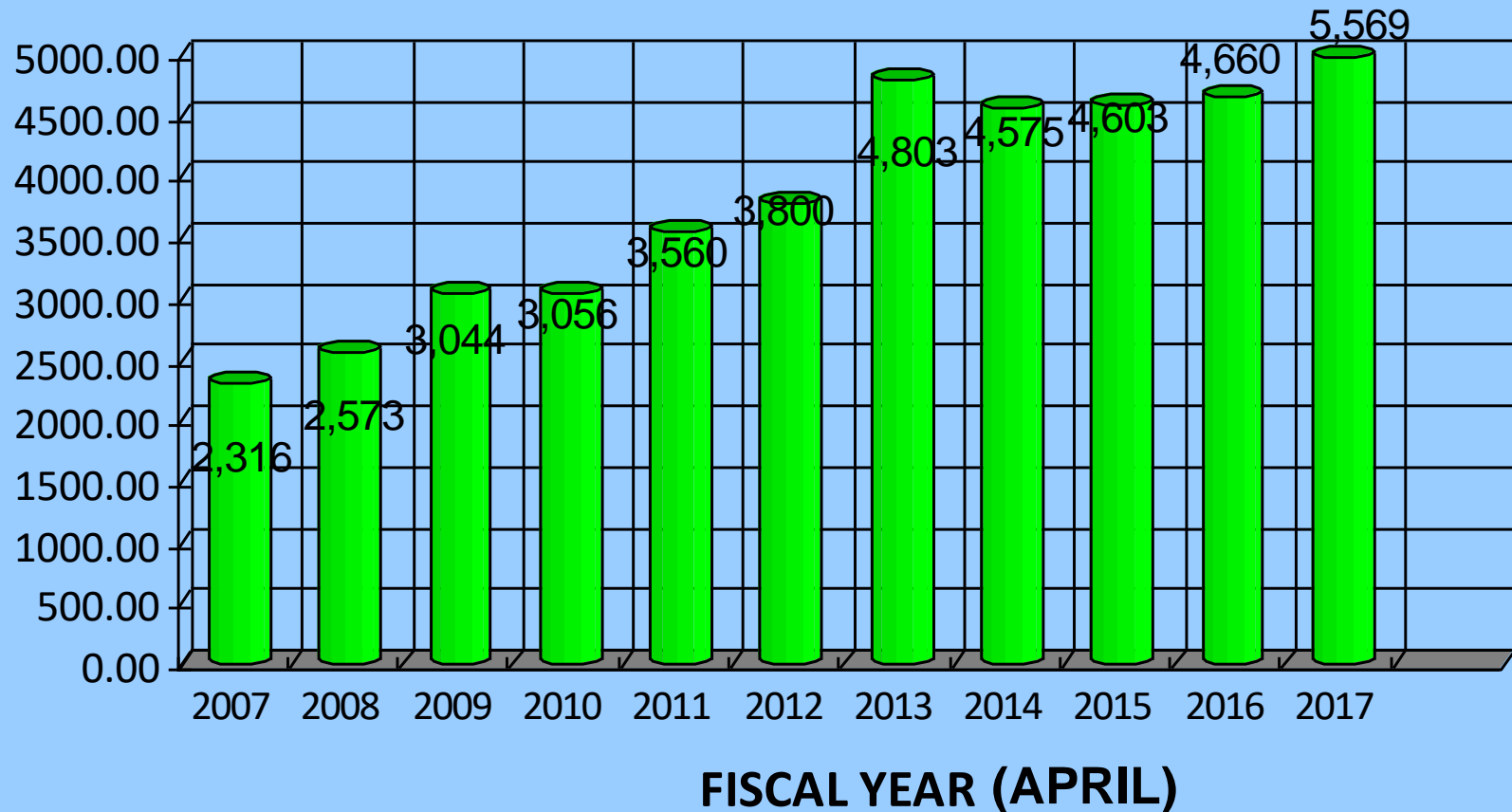


Kingboard Group has over 50,000 employees worldwide.

Proprietary Information to E & E Magnetic Products Limited. Data is subject to change without prior notice.

Kingboard Holdings Limited (TOTAL SALES TURNOVER)

**Total Sales Turnover of Kingboard Holdings Ltd.
(in US\$ million)**



EEMPL - TOP 10 CUSTOMERS



ACTIVE CUSTOMERS - EEMPL

- Absopulse
- Adtran
- Allied Telesys Inc.
- Alcatel / Lucent
- Alaxala
- Ambit
- Anritsu
- Askey Computer
- ASUSTek Computer
- Atrica
- Avaya
- Aztech Systems / Azuno
- Bosch Group – Detection Systems
- C&D Technologies
- Calix Networks
- Canon
- Cisco Systems
- Comtest Advanced Network
- Dasan Networks
- Digi
- Digitel
- D-Link
- Echostar
- EERO
- Energizer
- Ericsson
- First International Computer (FIC)
- Fujitsu
- Gateway Computer
- H3C
- Hewlett Packard
- Hitachi
- Hon Hai
- Honeywell
- Integrated Devices Tech.
- IKOR
- Invensys / Lambda
- Juniper Networks
- Konica Minolta
- Kyocera
- Lexmark
- Marconi
- Methode Electronics
- Microsoft
- Mitac
- Mitsubishi
- Nakayo
- NCR
- NEC
- Netopia
- Nigata Seimitsu
- Nokia
- OKI
- Omron
- Oracle
- Pace Micro
- Panasonic
- Pepperl & Fuchs
- Philips
- Primax
- Quanta
- Sagem Telecom
- Samsung
- Siemens
- Sierra Wireless
- Silver Spring Networks
- Soma Networks
- Sony
- SynQor
- Tandberg
- Tatung
- TechniSat Elektronik
- Toshiba
- Fuji Xerox
- Zebra (Motorola)
- Zoll Medical
- SPAL Automotive
- Meta Systems
- MES
- CEBI
- Wireless Chargers
- BMW
- AUDI
- MERCEDES
- ALAC
- BURY
- CONTINENTAL
- VALEO
- PIEKER

- Customers, who have also purchased Magnetic Integrated Connector(MIC), are highlighted in Blue and Green for Automotive

Proprietary Information to E & E Magnetic Products Limited. Data is subject to change without prior notice.

EMS / CEM PARTNERS - EEMPL

- Ambit
- Askey
- Asustek
- Benchmark
- Celestica
- Compal
- Computime
- Flextronics / Solectron
- Foxconn / Hon Hai
- Inventec
- Jabil
- Kaga
- Microlink (Foxling Group)
- SCI / Sanmina
- SIIX
- Quanta
- Venture
- World Fair Electronics Technology Ltd

STRATEGIC LOCATIONS – EEMPL DIRECT OFFICES



EEMPL Product Families

Products by Applications for 7 Major Areas

Networking Discretes

- Transformers or Filters for 10, 100, 1000, 10GBase-T applications
- Transformers for PoE/PoE+ applications

Magnetic Integrated Connectors

- Magnetics integrated RJ-45 connectors for 10/100/1000Base-T applications
- Magnetics integrated RJ-45 connectors for PoE/PoE+ applications
- Magnetics integrated combo connectors for LAN and USB

Telecom Discretes

- Transformers for Sonet/SDH(STM-1/E4/CMI) applications
- Transformers for T3/DS3/E3/STS-1 applications
- Transformers for T1/E1/CEPT/ISDN-Pri applications
- Transformer for ISDN U-Interface or S-Interface applications
- Multi-layers and Wire Wound Chip Inductors and CMCs
- Multi-layers EMI Bead Inductors

Broadband Access

- Filter, Splitter, Transformer, or Common Mode Choke for xDSL applications
- Transformer or coupler for HomePlug
- Transformer, Splitter, or Filter for HFC or cable modem applications.
- Multi-layers and Wire Wound Chip Inductors and CMCs
- Multi-layers EMI Bead Inductors



Power Magnetics

- Miniature SMT Power inductor for desktop, notebook, or handheld device.
- High current(up to 125A) power inductor for low voltage DC/DC conversion
- Power magnetics for Current Sense applications
- Power magnetics for SMPS applications
- Automotive grade power inductors and transformers to meet ISO16949 and AECQ200 requirements
- Chip type CMCs for power line noise filtering

Electronic Modules

- AFE module for for ADSL or VDSL applications
- Line Protection Module for Telecom applications
- Transceiver module for LAN applications
- POTS filters for xDSL applications
- POTS or ISDN splitter for xDSL applications
- Power modules/converter for customized applications



Wireless Coil Module

- Customize shape is available
- High efficiency & suitable for Wireless power transmission
- Designed for varies Portable Electronic Device application
- Small and thin Coil module meet WPC standard
- Various operating temperature & frequency range available

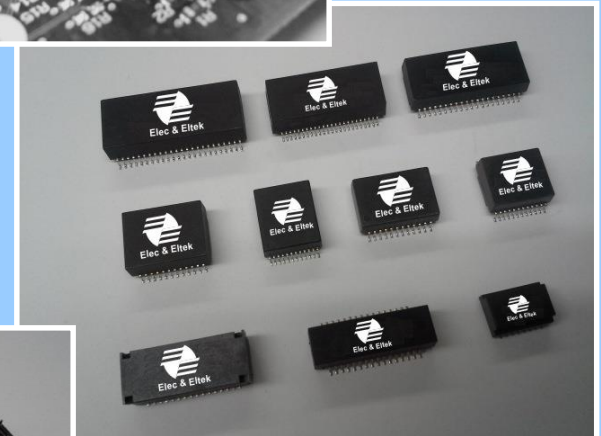
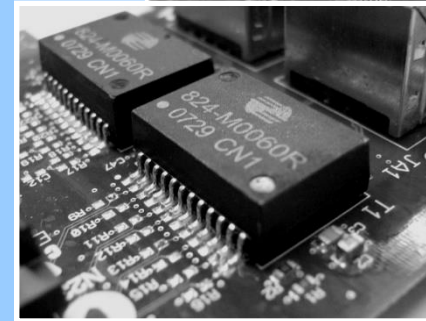
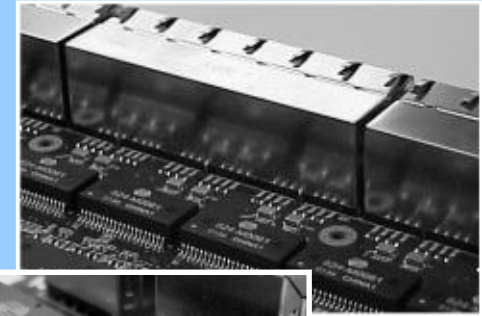


Products for Automotive

Product – Networking Discretes

Ethernet Network (IEEE802.3)

- Support Integrated Transformer Modules with multiport channels in various packages
- Support full range applications for twisted-pair transmission medium
 - 10/100Base-T
 - 1000Base-T
 - 10GBase-T
- Power over Ethernet (PoE)
 - Support up to 350mA balanced DC line current
- Power over Ethernet Plus (PoE Plus)
 - Support up to 1,000mA balanced DC line current
- Extended temperature range available



GB 48-Pins PoE+ Dual Port



10GB 24-Pins Single Port



GB 96-Pins PoE+ Quad Port

Product – Magnetic Integrated Connectors

Unique 'One-Side' and 'Clip-n-Lock' Architecture to fit with single and multi-ports for different applications:

- 10/100/1000Base-T, per IEEE 802.3
- PoE, per IEEE 802.3af
- PoE Plus, per IEEE P802.3at
- 10G, per IEEE 802.3an
- Standard and extended temperature ranges
- Third Party Certified
 - Mech.: TIA/EIA-568-B, Cat 6
 - Elec.: UL1863; CAN/CSA-C22.2 No. 182-4-M90.1990
- EMC: FCC Part 68, sub-part F; FCC (CFR47) Part 15 Class B, EN55022 Class B and CISPR 22 Class B for Gigabit Working Environment

Customized Designs:

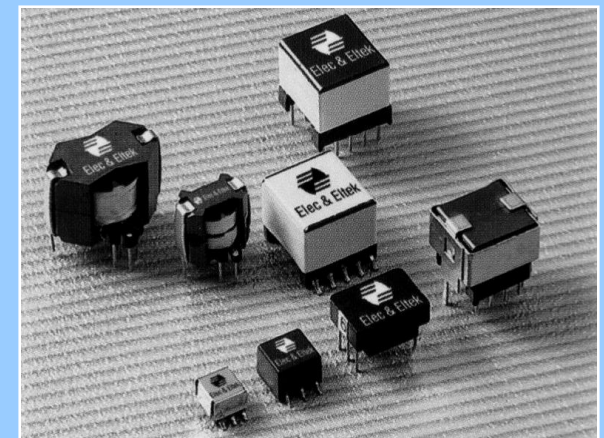
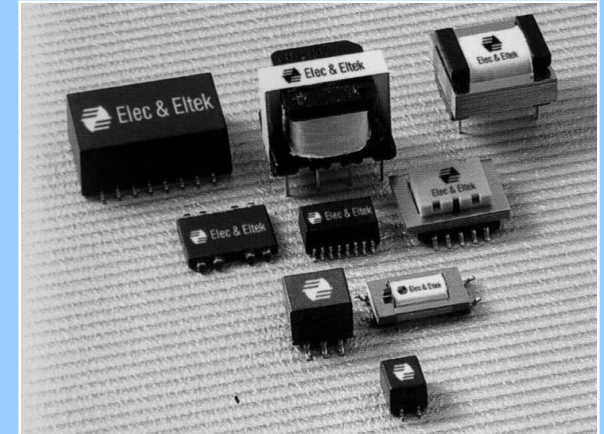
- Various packages including 1x1 - 1x8, 2x1 - 2x8, and combo(RJ-45+USB ports)
- Various panel orientation (right angle, vertical) and footprint types
- Integration with protection device or diode bridge to meet specific transient requirements



Product – Telecom & Broadband Access

Transformers, Common Mode Chokes and Coupled Inductors

- Provide the isolation, impedance matching and EMI suppression in the following applications
 - Analog Telephone Network:
 - Transformer for both Soft Modem and Traditional Analog Modem applications
 - Digital Telephone Network:
 - Transformer and CMC for T1/E1/J1, T3/E3/DS3/STS-1, E4/STM-1, ISDN Pri-Interface, S-Interface, U-Interface applications
 - Digital Subscriber Loop (DSL):
 - Transformer, CMC, Coupled Inductor for VDSL/VDSL2, ADSL/ADSL2/ADSL2+, HDSL/HDSL2/HDSL4/SDSL/G.SHDSL applications
 - Cable Modem / Cable TV:
 - RF Transformer, Transmission Line Transformer, Mixer, Splitter for Cable Modem, TV set-top box applications
 - Extended temperature range available



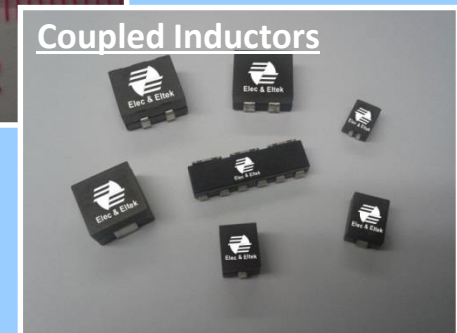
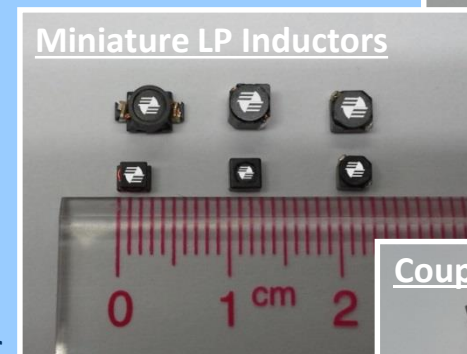
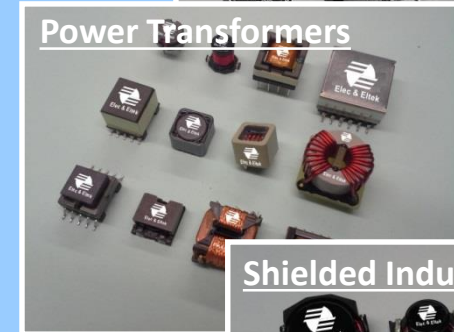
Product -Power Magnetics for Consumers & Automotives

Products: Transformers, CMCs, and Inductors

- Utilize low loss materials and unique winding approach provide high power density low loss parts for the applications include high-speed servers and workstations, telecom switching networks, routers and base station equipment.
- The miniature low profile and shielded construction inductors provide the features today's tablets, notebooks and portable devices the energy storage and input-output filters demands.
- The A-Grade series provide high reliability for Industrials and Automotives applications

Applications:

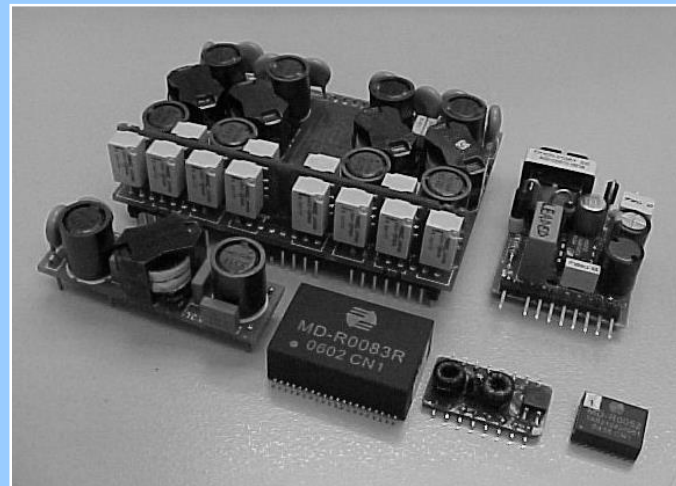
- AC-to-DC Switching Mode Power Supply (SMPS)
- DC-to-DC converters in Distributed Power Architectures (DPA)
- Point of Load (POL) Systems
- Coupled Inductors for High Current Voltage Regulator Module/ Drop (VRM / VRD)
- SEPIC and Buck Boost types inductors for High Bright LED Lightings
- Digital Amplifiers for Automotive's Audio System



Product – Electronic Modules

Telecom / Broadband Access Applications:

- Multi-Port xDSL AFE Module
- Single Port xDSL CO / CPE Splitter
- Multiple Port xDSL CO / CPE Splitter with integrated relay control
- Coupled Inductor with integrated OC/OV protection devices.
- Multi-port T1/E1 Module with integrated protection devices (chip side, line side or both)
- Multi-port ISDN S-Interface Module with integrated protection devices
- Multi-port Relay Driver Module



Power Applications:

- Customized DC-DC/AC Converter for industrial applications
- Customized Power modules for customer specific applications
- Customized modules with cable assemblies (eg. SPP+ and QSFP Connectors)

EEMPL Position & Wireless Coil Module Products

➤ EEMPL Position

WPC



2013 Jan

- An associate member of WPC since 2009
- WPC sets international standard for compatible wireless charging
- >10 regular members & > 120 associate members in WPC
- E&E Transmitter Module (Tx) and Receiving coil (Rx) met WPC standard
- An adoptor member of A4WP – (Since 2012)
- Member of PMA – (Since 2013)
- Already works with various members, ODM/OEM, Test Laboratory accessories makers, ...etc for different wireless Power design



Business Result

- ❧ Wireless Charger for NDS, I-Phone
- ❧ Wireless Charger for Energizer - (Qi certificated)
- ❧ Wireless Charger for Zens / Maxwell / Sang Fei / LG / Sanwa



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EEMPL's Magnetics for Automotive

Car Navigation and ECU



Shielded-Type Power Inductors (ASIS series)



Shielded-Type Power Inductors for D-Amp (ASEPT series)

Parking Sensor



Shielded-Type Power Inductors (ASIS series)

Air Con/ Cooling Fan



Power Inductors and HC Rod Inductors for Brushless fans (A31 series)

LED Lightings/HID Headlights



Shielded-Type Power Inductors and SEPIC Transformers (ASIS series)

Wireless Power Transfer



WPC A6/A13 TX Coils

Battery Power Control



Isolated Power Transformers for Battery Charging, Monitoring, Air Con, Lightings, IGBT etc. (A35 series)

Discrete - IC Partners

IC Company	Product Application	Technology / Design / Project
Agere / LSI	Telecom	DAA Transformer for Soft Modem applications
AMD	Networking, Power Management	MIC and Magnetics for 100/1GBase-T and POL applications
Analog Devices	Broadband Access	SLIC Module, Line Driver Module, xDSL transformer / inductor (CO / CPE side)
Broadcom	Broadband Access, Networking	Magnetic discrete for VDSL, Multi-Port MIC and/or magnetic discrete for their 100/1G/10GBase-T and PoE / PoE+ applications
Conexant	Networking, Telecom, Power	SmartDAA transformer, HomePlug magnetic, LAN magnetics, power inductor, etc.
Fairchild	Power Management	Power magnetics in POL applications
Infineon	Broadband Access	SLIC Module, Line Driver Module, transformer/inductor for VDSL2/VDSL/ADSL2+/G.SHDSL(CO / CPE side)
Valens Semiconductor	Networking	Magnetics for 10GBase-T applications
IDT	Power Management	VRM Coupled Inductor, Wireless Charging
Intersil	Networking, Power Management	Magnetics and MIC for 100/1GBase-T, VRM/VRD applications
Linear Technology	Power Management	Power magnetics in VRM / VRD / POL / PoE / PoE+ applications
Marvell	Networking	Single-Port/Multi-Port MIC and/or magnetic discrete for 100/1GBase-T / PoE / PoE+, Magnetics for VDSL2
Maxim / Dallas	Power Management	Power Magnetics in Battery Charger, POL applications
National Semi	Networking	MIC and magnetics for 100/1GBase-T, POL, PoE / PoE+ applications
PMC Sierra	Networking	Magnetics for T1/E1, T3/E3 reference designs
SMsC	Networking	Magnetic discrete and MIC for 100Base-T reference design
ST Mirco	Networking	MIC for 100Base-T applications, Magnetics for ADSL, G.SHDSL
TDK	Telecom	Magnetic for E4/STM-1 applications
Texas Instrument	Broadband Access, Power Management	Magnetic for xDSL, PoE / PoE+, Power Management reference design, Wireless Charging

Product Compliances



- All products are well designed to meet or exceed the applicable standards set by the organizations such as IEEE, ANSI, ETSI, ITU etc.
- The mechanical configurations are designed to meet the applicable standards set by IEC, EIA, TIA, JEDEC etc.
- For safety critical products, they are designed to meet the requirement set by safety agencies such as UL, CSA, BABT, Nemko, Finko, Demko, Semko etc.
- Corporate Membership in DSL Forum, VDSL Alliance.

Product Certificates - EEMPL

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) COMMISSION ELECTROTECHNIQUE INTERNATIONALE (CEI)

Ref. Certif. No. NO 8948

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) COMMISSION ELECTROTECHNIQUE INTERNATIONALE (CEI)

Ref. Certif. No. NO 8947

IEC SYSTEM FOR CONFORMITY TESTING TO STANDARDS FOR SAFETY OF ELECTRICAL EQUIPMENT

SYSTEME INTERNATIONAL DE CONFORMITE AUX NORMES DE SECURITE DE L'EQUIPEMENT ELECTRIQUE

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) COMMISSION ELECTROTECHNIQUE INTERNATIONALE (CEI)

Ref. Certif. No. NO 8946

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) COMMISSION ELECTROTECHNIQUE INTERNATIONALE (CEI)

Ref. Certif. No. NO 8945

IEC SYSTEM FOR CONFORMITY TESTING TO STANDARDS FOR SAFETY OF ELECTRICAL EQUIPMENT

SYSTEME INTERNATIONAL DE CONFORMITE AUX NORMES DE SECURITE DE L'EQUIPEMENT ELECTRIQUE

INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) COMMISSION ELECTROTECHNIQUE INTERNATIONALE (CEI)

Ref. Certif. No. NO 8945

IEC SYSTEM FOR CONFORMITY TESTING TO STANDARDS FOR SAFETY OF ELECTRICAL EQUIPMENT

SYSTEME INTERNATIONAL DE CONFORMITE AUX NORMES DE SECURITE DE L'EQUIPEMENT ELECTRIQUE

CB TEST CERTIFICATE

CERTIFICATE D'ESSAI OC

Product: Transformer certified for supplementary insulation

Name and address of the applicant: E & E Magnetic Products Limited, Unit B19, 3/F, Meit Ind., Centre, 34 Toloanwan Road, Kowloon, HONG KONG

Name and address of the manufacturer: E & E Magnetic Products Limited, Unit B19, 3/F, Meit Ind., Centre, 34 Toloanwan Road, Kowloon, HONG KONG

Name and address of the factory: E & E Magnetic Products Limited 4-6/F, Block 4th Science & Tech Park, 6ET56, Guangzhou P.R.C.

Rating and test characteristics: Isolating transformer for TMV SELV connection. Compliance with requirements for supplementary insulation. Working voltage 550V. Electric strength tested with 5000V 60s measured Clearance Creepage: TMV - core = 2.5 mm, 800 - core = 2 mm, TMV - Sec. = 2.5 mm There must not be any circuit tracks, or other conductors beneath footprint of component. Compliance must be checked in end product.

Trade mark (if any):

Model type Ref. list of type

as shown in the Test Report Ref. No. which forms part of this certificate

This CB Test Certificate is issued by the National Certification Body

Nemko

P.O. BOX 73, BLINDERN AVDSTR 06LO, NORWAY

Date: 26 April 2009

Signature: Lars Hovell Principal Engineer

CERTIFICATE

DEMKO CERTIFICATE

Cert. Case No. 2007190-01

UL Underwriters Laboratories Inc.

F & E MKV 3RD F MEXI 94 TO KOW

RE: P

inaccu to the

XORU Transf

E & E MKV 3RD F MEXI 94 TO KOW

ISO/TS 16949: 2009

(with product design)

Certification decision: 2013-10-07

This certificate is valid until: 2016-10-06

Certificate Registration No.: 20000860 TS09

IATF No.: 0172776

Buffalo Grove, IL, USA: 2013-10-07

UL DQS Inc.

Garish Rao Managing Director

IATF Contract Office: DQS GmbH, August-Schne-Strasse 21, 60433 Frankfurt am Main, Germany

Issuing Office: UL DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA

Responsible Office: DQS-UL AP, OOCL Plaza, Room 1702, No. 841,200040 Shanghai, P.R. China

Proprietary Information to E & E Magnetic Products Limited. Data is subject to change without prior notice.

R&D Facilities

Item	Equipment	Manufacturer	Model	Parameters
1	RF Network Analyzer	AGILENT	8751A	5Hz-500MHz
2	RF Network Analyzer	AGILENT	8753ES	
3	ENA Series Network Analyzer	AGILENT	E5071B	300KHz-8.5GHz
4	Harmonic Distortion and Noise Analyzer	Audio precision	2222	
5	RF Impedance and material Analyzer	AGILENT	4291B	1MHz-1.8GHz
6	Precision DC Power Source	AGILENT	E3634	0-25V,7A/0-50V,4A
7	Digital Power Analyzer	Chroma	2100	
8	Automatic Transformer Test System	Tong Hui	TH2819XB	
9	Programmable LCR Meter	Fluke	PM6306	
10	Precision Low Ohm Tester	HIOKI	3220	
11	Precision LCR Meter	AGILENT	4284A	20Hz-1MHz
12	Precision LCR Meter	Wayne Kerr	WK 3260B	100A DC Bias
13	Digital Profile Projector	Mitutoyo	PJ-A3000	
14	3D Optical Measurement System	Seven Sea	IA-4030	Accuracy: XY(3um)
15	AutoCAD LT 2012			
16	Solidwork			
17	ProE			
18	Protel			
19	CorelDraw Designer			
20	Adobe Acrobat			

Reliability Lab Facilities

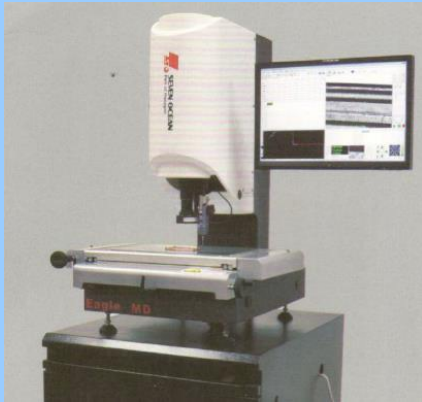
Item	Equipment	Manufacturer	Model	Parameters
1	X-Ray Analytical Moriscope	Horuba	XGT-100WR	
2	Programmable Hi/Lo Temp. Chamber	Espec	MC-710P	-70°C to +150°C
3	Temp. Shock Chamber	Espec	TSA-71L-A	-77°C to +205°C
4	Programmable High Temperature Oven	Espec	S332-4KW	200°C
5	High Temperature High Pressure Chamber	Gongwen Equipment	SHA-240	Temp. Range: 10°C to 135°C Humidity Range: 100% RH Pressure Range: 0 - 2.5kg/mm2
6	Temperature/Humidity Chamber	Gongwen Equipment	GDS-150	Temp. Range: 0°C to 150°C Humidity Range: 20 to 98% RH
7	High Temperature Oven		YA-300	Temp. Range: Room Temp to 300°C
8	Hot Air Reflow Simulator (for Pb products)	Navanakorn	HA-7CR	Temp. Range: Room Temp to 280°C Deferent Speed: 0.35-1.2m/minutes
9	Hot Air Reflow Simulator (for Pb-free and RoHS products)	Sun East	NT-8A-V2	Temp. Range: Room Temp to 300°C Deferent Speed: 0.35-1.5m/minutes
10	Electrodynamic Vibration Test System	Dongling Tech	ES-3-150	Frequency Range: 5 - 4000Hz Amplitude Range: 2.5mm Max
11	Salt Spray Tester	Gongwen Equipment	DR-60	JIS;ISO3768/3769/3770; ASTM/B117/B268
12	Programmable Peel Force Test	NTE	JE PET-500	Weight Range: 0 to 500g Angle Range: 165 - 180 Deg.
14	Solderability Tester		SD-4CR	Temperature: 400°C
15	Push/Pull Tester			
16	Durability Tester			
17	RJ45 Loading Rotation (Gorilla) Tester			

Tests Compliance with Automotive's AEC-Q200

Item	Description	Test Method & Condition	Reference Document
1	High Temperature Exposure (Storage)	1000 hrs at rated operating temperature (i.e. 130°C), unpowered	MIL-STD-202 Method 108
2	Temperature Cycling	1000 cycles (-40°C to +125°C)	JESD22 Method A104
3	Moisture Resistance	T=24 hours/cycle. Note: Steps 7a & 7b not required, unpowered.	MIL-STD-202 Method 106
4	Biased Humidity	1000 hours 85°C/85%RH, unpowered	MIL-STD-202 Method 103
5	Operational Life	1000 hrs.@125°C	MIL-PRF-27
6	External Visual	Inspect device construction, marking and workmanship, under 10X microscope	E&E Workmanship Standard & MIL-STD-883, method 2009
7	Physical Dimension	Verify physical dimensions to E&E specification	JESD22 Method B-100, E&E specification
8	Terminal Strength (Leaded Type Device Only)	Test leaded device lead integrity only. Conditions: A(910 g), C(1.13kg), E(1.45kg-mm)	MIL-STD-202 Method 211
9	Resistance to Solvents	Add Aqueous wash chemical. OKEM Clean or equivalent. Do not use banned solvents.	MIL-STD-202 Method 215
10	Mechanical Shock	Figure 1 of Method 213. Condition C.	MIL-STD-202 Method 213
11	Vibration	5g's for 20 minutes, 12 cycles each of 3 orientations. Note: Use 8"x5" PCB, .031" thick, 7 secure points on one long side and 2 secure points at corners of opposite sides. Test from 10-2000Hz	MIL-STD-202 Method 213
12	Resistance to Soldering Heat	Condition B. No pre-heat of samples. Note: Single Wave Solder – Procedure 2 for SMD with solder within 1.5mm of device body	MIL-STD-202 Method 210
13	Thermal Shock	-40/+125°C. Note: Number of cycles required is 300. Maximum transfer time is 20 seconds. Dwell time is 15 minutes. Air-Air	MIL-STD-202 Method 107
14	ESD		AEC-Q200-002
15	Solderability	Magnification 50x, a) Method B, 4 hrs @ 155°C dry heat @235°C, b) Method B @ 215°C category 3, c) Method D category 3 @ 260°C	J-STD-002
16	Electrical Characterization	Parametrically test per lot and sample size requirements, summary to show Min, Max, Mean and Standard deviation at room as well as Min and Max operating temperatures	E&E Product Specification
17	Flammability	V-0 or V-1 Acceptable	UL94
18	Board Flex	Appendix 2 Note: 2mm (Min)	AEC-Q200-005

Proprietary Information to E & E Magnetic Products Limited. Data is subject to change without prior notice.

Special Inspection Equipment



3D Measuring System



**X1000 Electronic
Microscope**



Specimen Cross Section

Green On-Line Customer Support

- Comprehensive and interactive indexed eCatalog for Power Magnetics, Networking Discretes and Magnetic Integrated Connectors (MIC) products
- Provide both online and offline FLASH, PDF, Mac OSX and iPad tablet formats
- Straightly web-based button-pick product selection guide



MIC [+ Collapse Attributes](#)

Group Results in ☒ 5 ☐ 10 ☐ 15 ☐ all

Speed <input checked="" type="radio"/> ALL(33) <input type="radio"/> 10GBase-T(1) <input type="radio"/> 100Base-T(26) <input type="radio"/> 10Base-T(1) <input type="radio"/> 1000Base-T(4) <input type="radio"/> ADSL(1)	Circuit Feature <input checked="" type="radio"/> ALL(33) <input type="radio"/> Non PoE(30) <input type="radio"/> PoE(1) <input type="radio"/> PoE+(1) <input type="radio"/> THT(1)	Ports <input checked="" type="radio"/> ALL(33) <input type="radio"/> 1X4(1) <input type="radio"/> USB+RJ45(1)	Operating Temp <input checked="" type="radio"/> ALL(33) <input type="radio"/> -40°C to 85°C (10) <input type="radio"/> 0°C to 70°C (22)	LEDs <input checked="" type="radio"/> ALL(33) <input type="radio"/> None(17) <input type="radio"/> LED(15)
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INDUCTORS [+ Collapse Attributes](#)

Group Results in ☒ 5 ☐ 10 ☐ 15 ☐ all

Mouting type <input checked="" type="radio"/> ALL(23) <input type="radio"/> SMT(20) <input type="radio"/> THT(3)	Construction <input checked="" type="radio"/> ALL(23) <input type="radio"/> Shielded(14) <input type="radio"/> Unshielded(3)	Deminsion L (mm) <input type="radio"/> Surrender <input type="radio"/> Ascend	Deminsion W (mm) <input type="radio"/> Surrender <input type="radio"/> Ascend	Deminsion H (mm) <input type="radio"/> Surrender <input type="radio"/> Ascend
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Inductance (uH): 0.1 to 820

Search Within Results

LAN MAGNETICS [+ Collapse Attributes](#)

Group Results in ☒ 5 ☐ 10 ☐ 15 ☐ all

Speed <input checked="" type="radio"/> ALL(7) <input type="radio"/> 10GBase-T(1) <input type="radio"/> 100Base-T(3) <input type="radio"/> 1000Base-T(2) <input type="radio"/> 10Base-T(1)	Circuit Feature <input checked="" type="radio"/> ALL(7) <input type="radio"/> Non PoE(4) <input type="radio"/> PoE(2) <input type="radio"/> PoE+(1)	Ports <input checked="" type="radio"/> ALL(7) <input type="radio"/> Single(2) <input type="radio"/> Dual(3) <input type="radio"/> Quad(2)	Deminsion L (mm) <input type="radio"/> Surrender <input type="radio"/> Ascend Deminsion H (mm) <input type="radio"/> Surrender <input type="radio"/> Ascend	Deminsion W (mm) <input type="radio"/> Surrender <input type="radio"/> Ascend
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Search Within Results

EEMPL Manufacturing Locations



- Guangzhou HQ to Hong Kong, 1.5 hrs. Drive
- Guangzhou to LuoDing, 3 hrs. Drive
- Guangzhou to Yangon, 3 hrs. Flight

EEMPL Manufacturing Location & Functions

Guangzhou HQ

- >3,000 sq ft. of Office Area
- 100 employees
- Logistic and IT; Sales & Marketing; Customer Services; R&D



LuoDing Plant

- ISO9001, ISO14001 & TS16949 Certified
- Product Safety: UL, VDE, TUV, CB etc.
- >120,000 sq. ft. of Production Area in 2 buildings
- 2,500 employees
- Part of Purchasing & PMC
- Trial Run & Mass Production with auto/semi auto processes; Flat Wire Winding; Plastic Moldings
- Tooling Workshop; Manufacturing Eng'g; PMC



Myanmar Plant

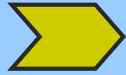
- Set up in April, 2013
- Hlaing Thar Yar Township, Yangon Division
- >70,000 sq ft. of Production Area
- 1,000 employees
- ICM assembly & simple toroidal winding
- Manufacturing, Eng'g.



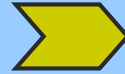
Automated Manufacturing Facilities

Power Products

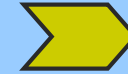
Materials Preparation



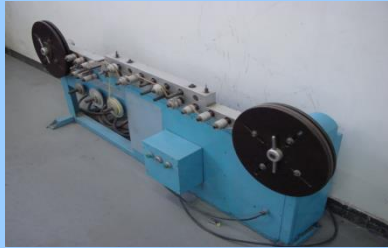
Winding



Assembly



Soldering



Copper foil taping



Flat Wire Winding



Insulation stripping



Toroid Winding



PI and Drum
Core Gluing



Soldering with
adjustable dipping
angle



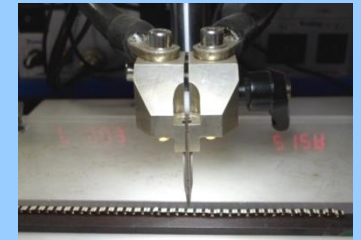
Taping for PI's Base



Bobbin Winding & Taping



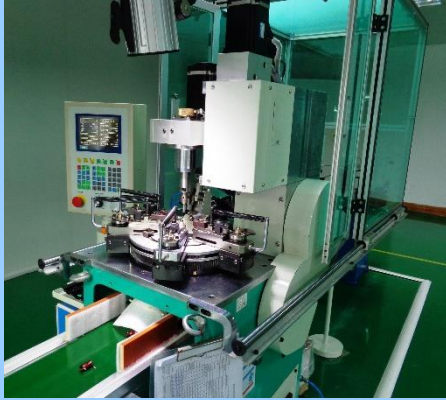
IR Glue Curing



Spot/Impulse Welding

Particular Auto. Manufacturing Facilities

Spiral Coils Production



Spiral Coil Winding

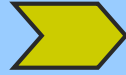


Integrated Line

Automated Manufacturing Facilities

LAN/RJ45/Telecom. Products

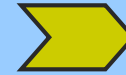
Materials
Preparation



Winding



Assembly



Lead Forming/
Trimming with
pre-test



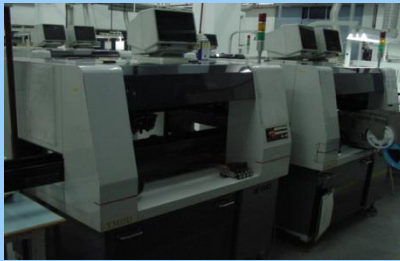
auto toroid grading m/c



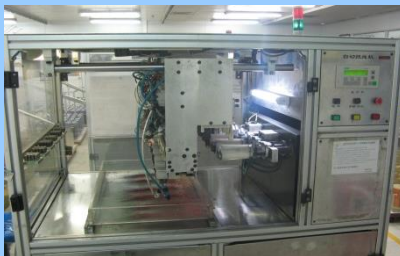
auto toroid winder



IR Reflow



pick and place m/c



auto wire twisting m/c



Automated Manufacturing Facilities

Electrical Tests



Semi Auto X'fmrs /Inductors
with Hipot Test Station



LAN/RJ45 Semi Auto
Test Station (2)



Auto LAN/ Telecom/
Inductors Test Station with
handler



Semi Auto X'fmrs /Inductors
Test Station (2)



RJ45 Connector
Loading Rotation Test
Station



Auto hi-speed LAN/
Telecom/ Inductors Test
Station with handler

Automated Manufacturing Facilities

Molding and Machines Workshop



Wire Cut Electrical
Discharge M/C (WEDM)



Electrical Discharge M/C
(EDM)



Injection molding



Transfer molding



Pin Insertion



THE END



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