

# PRODUCTS LINE CARD

Passive  
Electro-Mechanical  
Interconnect  
Power  
Display / Memory  
Wireless  
RF Microwave

## Unified at a glance

Type of Company	Franchise Distributor
Founded	Year 2000
India Headquarters	Bangalore
Overseas HQ & Warehouse	Singapore
Local Offices	Chennai, Hyderabad, Pune, Mumbai, Ahmedabad & New Delhi
Employees	More than 90



## About Company

Unified is a customer focused electronic components distributor/ supplier based in electronics hub of India – Bangalore. Our product ranges from RF components, Electro mechanical components and solutions, Power modules, Passive components, Interconnect and Wireless products. The markets that the company primarily targets include Automotive, Industrial, Energy, Railways & Military. Unified operates as an Independent, Owner-managed company, guided by the company philosophy of “Committed to Excellence”.

Unified has more than 15 successful years of corporate history to look back upon with growth that is always beyond that of the market. Consulting in technical, commercial and logistical matters as well as service and technical support are available with a consistent level of quality to customers.

The sales & strategic marketing teams work together to offer customers extensive and well-founded technical and commercial support, covering the entire development cycle from brainstorming to design, from prototyping to mass production. We believe in sharing knowledge with our customers on new technologies & products to develop superior technology and by-products through Seminars, workshops, webinars & roadshows.

## India Branches



## Key Advantages

- Dedicated Product Managers & FAE 's
- Technical & Customized Support
- Strategic Warehouse Locations : India | SG | HK | USA
- Multi-Currency Support
- BOM Support
- ERP Based Order Management
- Kitting & Consolidation Services
- Production Shortages Support
- Just In Time Delivery



United we grow

[www.unified.co.in](http://www.unified.co.in)





## POWER ELECTRONICS PRODUCTS



**VICOR POWER**  
www.vicorpower.com

Isolated & Regulated Converter with PFC for AC-DC Systems (PFM)  
DC-DC Isolated Regulated Converter DCM  
Cool-power DC Converter  
Bus Converter Modules (DC-DC)  
BCM  
NBM (Non-isolated)  
DC-DC Non-isolated Regulated Buck-Boost & Bucks  
Cool-power ZVS Regulators



www.artesyn.com

Open frame, front end, Din rail,  
Enclosed AC-DC 10 W to 5KW, PFC-75W to 1600W  
48 Vdc input versions of AC-DC converters  
1/16th, 1/8th, 1/4 and 1/2 bricks  
Dc-Dc convertor 35W to 800W  
PMBus interface DC-DC's, Non-Isolated POL Converters  
PFC Modules Power ratings of 75, 150 & 1,600 watts



**MINMAX**  
www.minmax.com.tw

Chassis & Din Rail Mounting. 20-60W  
Railway Standard 10-75W  
Ultra-high Isolation & IGBT Application 1-20W  
Medical Safety 1-20W  
Non-isolated DC DC converter Switching  
Regulator 0.5A. Products of AC DC Power supplies.  
AC DC Power supplies 2-60W  
Medical & Industrial Safety AC-DC 24-60W



**Power one**  
https://belfuse.com/

PFE/PET Series High Efficiency. (600W to 3000 Watts)  
FNP/FCPSeries (300-1800W).  
Rack Power and Open Compute Products.  
(4250W to 18000 Watts )  
Open Frame (40Watts to 600 Watts)  
Modular (1600 Watts With 12 Outputs)  
Isolated Bricks and Filters (Up to 1000 Watts)  
Linear Regulators. (51 to 300 Watts )  
DC-DC Board-Mount Products.  
Wide Input Cassettes, Switching regulator  
INV series : DC-AC Inverter



www.schaffner.com

Emc/Emi  
Power-magnetics  
Automotive



**EXCELSYS**  
www.excelsys.com

AC-DC :200W to 1400W  
Led Power supply: 25 to 300W  
Every Type of Application: /  
Medical Industrial/Communication/Hi-Rel Cots



**ELEKTRA**  
www.elektra.it

DC-DC Converters  
Industrial Grade : 5Watt to 360Watts.  
Hi-Rel Grade : 5Watt to 150Watts.  
Non- Isolated : 350 Watts.  
Customized Products



www.autronic.de

DC-DC Converters  
Product Range: 20 Watts to 350 Watts.  
Mountings: PCB, Chassis, & Euro-Rack Size 19"



www.standexmeder.com

Reed Relays  
Reed Switches  
Reed sensors  
Planner Transformers.



**ZIPPY TECHNOLOGY CORP**  
www.zippy.com.tw

1U,2U,3U, single & redundant AC-DC power supply  
200W to 2KWcloud power and easy swap modules  
200W to 1400Wmedical grade AC-Dc power supply  
200W to 600WMicro /Mini and  
Open frame Ac-DCPS2, PS2+ Ac-DC upto 800W



## PASSIVE PRODUCTS



**NOVACAP**  
www.knowlescapacitors.com



**SYFER**  
www.knowlescapacitors.com



**JOHANSON**  
www.johansonmfg.com

PSL range of X7R and C0G MLC Capacitors  
Standard Range 10V to 12kVdc  
ProtectiCap  
StackiCap?  
High Temperature X8R Capacitor?  
VC1 - Residual Capacitance

IECQ-CECC Range  
AEC-Q200 Range  
S02A Space Grade Range  
250Vac Non Safety rated AC capacitors  
250Vac Non Safety rated AC capacitors  
115Vac 400Hz Capacitors  
DWV Capacitors  
E01 and E07 Feedthrough Chip Capacitors

Variable inductors, Trimmer Capacitors  
Microwave Tuning elements  
Non- Magnetic Hardware



**TAIYO YUDEN**  
www.t-yuden.com

Ceramic Capacitors, Inductors  
Energy Capacitors, aluminium  
Electrolytic Capacitors (Elna)  
Chip Antennas, Ferrite Beads



**RUBYCON**  
www.rubycon.co.jp

Aluminium electrolytic caps,snap in,  
screw type( high ripple current,  
overvoltage proof products,  
high ripple current and large capacitance product,  
Ultra high voltage capacitors



**CITIZEN**  
cfm.citizen.co.jp

Tuning fork Crystal units  
AT cut Crystals  
Oscillators & Crystal Chipes



**TAITIEN**  
www.taitien.com.tw

Quartz Crystals,Crystal osciallators,  
OCXO,VCXO,TCXO



**SPRAGUE GOODMAN**  
www.spraguegoodman.com

Non-Magnetic High Voltage Variable Capacitors,  
Trimmer Capacitors, Varactor Diodes, Inductors,  
Transformers and Tuning Elements for MRI, NMR,  
Cryogenic, RF, Military and Microwave applications.



**LS MTRON**  
www.ultracapacitor.co.kr

Ultra capacitor  
Single cell  
Standard Modules  
Custom Modules



**SiTime**  
www.sitime.com

MEMS-based silicon timing solutions  
Ultra Small : 1 Hz to 1 MHz ?  
Power Oscillators/TCXOs, MHz uPower Oscillator  
[1 MHz to 26 MHz]  
Oscillators : Differential. Low Power, High Temp  
VCXO, DCXO, TCXO/VCTCXO  
Spread Spectrum  
Clock Generators\*



**THINKING**  
www.thinking.com.tw

THERMISTOR : NTC Thermistor Ceramic  
PTC Thermistor Polymer PTC Resettable Fuse  
VARISTOR : Metal Oxide,  
Varistor SENSOR : Temperature Sensor  
ARRESTER : Gas Discharge Tube, ESD/ESD suppressor



## INTERCONNECT PRODUCTS



**HIROSE**  
www.hirose-singapore.com.sg

Internal & External connectors  
Fiber optic Connectors  
Co-axial Connectors & High Frequency Devices  
Automotive Connectors  
Modular Connectors  
Memory Card Connectors  
Coax DIN & n-Line Connectors.



**CONEC**  
http://www.conec.com

D-Sub, I/O Special PCB, cPCI connector  
Fiber optic SC-LC-FC-ST Connectors  
Embedded Connectors DIM41617/41651  
Ethernet connectors--RJ45 with IP67  
Circular connectors M12x1--M8/1 panel plugs  
Co-axial Connectors, SMS, SSMA, MMCA,N, MCX, DIN



**CINCH CONNECTIVITY**  
https://belfuse.com/cinch

CATV Components  
c-en™ EN 4644 Modular Rectangular Connectors  
CIN-APSE Compression Interconnects  
D-Subminiature  
Dura-Con MIL-DTL-83513 Micro-D  
EMI Filter Connectors  
Fiber/Actives/Optical  
FQIS  
Hermetic Connectors  
Microwave Components  
MIL-DTL-26500, 5015, 26482 & Mil/Aero Circulars  
ModICE Enclosures  
I/O Connectors  
Patching Solutions  
RF & MW Cable & Assemblies  
RF & MW Interconnect  
Barriers/Jones/Edge



**MIDWEST MICROWAVE**



**DELTA**  
www.deltarf.com

RF, Microwave and millimeterwave connectors  
M39012 QPL connectors in series BNC, N, SMA and  
TNC. M55339 QPL adapters in series BNC, N,  
SMA and TNC.



**precidip**  
http://www.precidip.com

Spring loaded connectors -SLC & PAD connectors  
PGA/BGA/PLCC sockets  
DIL/SIL/TO Sockets



**HARBOR**  
www.harbourind.com

RF Microwave co-axial cables. QPL approved  
MIL-C-17 Co-axial cables  
Mil-Spec and High temperature cables  
Aerospace Data Cable



**SINBON**  
www.sinbon.com

Cable assembly solutions



**KEYSTONE**  
www.keystone-europe.com

Battery & Coin Cell holders  
Plug,Pins, Jacks & Sockets  
Terminals & terminal boards



**EDAC**  
http://www.edac.net

I/O Water Proof Connectors  
Modular & Magnetic r45, Ribbon and flex cable,  
CardEDGE+, PLCC Sockets, Memory Sockets,  
Cable Assemblies



## ELECTRO MECHANICAL PRODUCTS



**APEM & MEC**  
www.apemswitches.de

**Panel Mount Switches :**  
Pushbutton, Toggle, Rocker, Keylock,  
Emergency Stop and Piezo Switches.  
High Performance Tactile switches  
**Joysticks :**  
Handgrip & Finger Operated Custom  
Solution & USB Desktop Joysticks  
**LED Indicators:**  
Panel Mount & NVG Compatible LED Indicators.



**PENTAIR Schroff**  
PENTAIR / SCHROFF  
https://schroff.pentair.com

Rotary Switches  
Optical & Mechanical Encoders  
Keypads & Miniature Joysticks  
Pannels & Assemblies

**PENTAIR Schroff**  
PENTAIR / SCHROFF  
https://schroff.pentair.com

Metal/Plastic Enclosures and Cabinets  
( VME,VPX,ATCA standard) and accessories



**Sensata**  
Technologies  
www.sensata.com

Circuit Breakers and protectors  
Thermostats & temperature Sensors

Solid State relays Relays & Contractors  
Solid State relays Relays timers  
Control Relays Power modules

Optical Rotary Encoders, Magnetic Rotary  
Encoders Hall Effect Rotary Position  
Sensors Rotary and Linear Potentiometers  
Draw Wire Sensors, Inclinometers



**SCHLEGEL**  
www.schlegel.com

Fabric over Foam Gaskets, Elastomers ,  
Aluminium PCB shields, Beryllium Copper Gaskets,  
EPDM Gaskets, Thermal Pads,



**COLE INSTRUMENTS**  
www.cole-switches.com

Rotary Switches  
Keylock Switches  
Illuminated & Encoder Switches  
Optical & Mechanical Encoders,



**NIDEC COPAL ELECTRONICS CORPORATION**  
www.copal-electronics.com

Pushbutton Switches  
Toggle Switches  
Rocker Switches  
Dip Switches  
Slide Switches  
Trimmer Potentiometers



**DIPTRONICS**  
www.dip.com.tw/en

Tack & Dip Switches  
Detector & Multifunction Switches  
Slide Switches  
Illuminated Switches  
Dome Switches  
Rotary coded Switches  
LED Lamps



**Nook Industries**  
www.nookindustries.com

Actuators, Precision Acme And Lead Screw  
Ball Screw, Profile rails and guides  
Linear Systems And Slide Tables  
Linear Shafting bearings and Pillow Blocks  
Planetary Roller Screws, Worm Gear Screw Jacks



**MOOGS3**  
http://www.moogs3.com

High-definition (HD) network camera systems,  
rugged fixed and PTZ camera enclosures,  
Pan and tilt positioners, tripods,  
infrared illuminators



**COTO**  
http://cotorelay.com

Reed Relays ,MOSFET Relays  
Sensors & Switches



**KINGSTATE**  
www.kingstate.com

Piezo & Magnetic Buzzers & Speakers

## DISPLAY / MEMORY



**SWISSBIT**  
www.swissbit.com

NAND Flash products- SSD's , Cards, USB products  
Security Products-- Micro SD, SD memory cards



**ALLIANCE MEMORY**  
www.alliancememory.com

Fast Asynchronous SRAMs //Low Power Asynchronous  
SRAMs //ZMD Low Power Asynchronous SRAMs //  
Synchronous SRAMs //Synchronous DRAMs //  
Double Data Rate (DDR1) / (DDR2) / Mobile DDR



**KINGBRIGHT**  
www.kingbright.com

7 segment Led, SMD, through hole, infra red and  
phototransistors, circuit board indicators



**Execution is King 1**

**ZETTLER DISPLAYS**



**APACER**  
http://www.apacer.com

Digital TFT LCD modules  
Dot Matrix LCD modules  
FSTN, STN, Graphic LCD modules.  
LCD, LCM, TFT & back light  
LCM /OLED  
IPC (Industrial Personal Computer)  
MDT (Mobile Data Terminal)

NAND Flash products- SSD's , Cards, USB products  
DRAM Modules--- DDR1, DDR2, DDR3/DDR3L, DDR4  
Security Products-- Micro SD, SD memory cards



**AUO DISPLAY**  
www.auo.com

TFT Displays for 2.2" to 85" , Industrial  
Automotive, Consumer application



United we grow



United we grow





## RF & MICROWAVE PRODUCTS



**NewEdge Signal Solutions**  
www.newedges2.com

30-520 MHz Tunable Filter  
30-88 MHz Tunable Filter  
225-520 MHz Tunable Filter  
1.8-2.7 GHz Front End Module  
SDR Transceiver with ET, CFR & DPD Firmware



6-18 GHz, 4-way Wilkinson Power Divider  
DC-40 GHz Resistive Divider  
DC-40 GHz, 1 to 3.5 dB gain losses

High Q Multi-Layer Capacitors  
Single-Layer Capacitors  
DC-40 GHz Broadband Blocking Capacitors  
Surface Mount EMI Filters  
1.2 pF-250 pF Air, glass, quartz, sapphire and  
PTFE dielectrics Trimmer capacitors



**JQL Electronics Inc**  
www.jqlelectronics.com

0.1-27 GHz Coaxial RF Circulator & Isolator  
0.1-40 GHz Drop-in RF Circulator & Isolator  
0.1-18 GHz Surface Mount RF Circulator & Isolator  
4-40 GHz Microstrip RF Circulator & Isolator  
5-100 GHz Waveguide RF Circulator & Isolator



**EMI Filter Company**  
www.emifiltercompany.com

"C", "L", "Pi", & "T" Capacitive Feed-Thrus,  
"O" Cap Feed-Thrus and Ground Points  
2-56 Threaded w/.020" dia. lead  
2-56 Threaded w/.024" dia. lead  
4-40 Threaded, 8-32 Threaded, 1/4-28 Threaded  
Metric Threaded  
Press-Ins  
Solder-Ins



**Piconics, Inc.**  
www.piconics.com

0.010-65+ GHz, 0.070-8.00uH  
broadband conical inductor  
0.010-1000uH QPL Approved  
MIL-PRF-83446 & MIL-PRF-15305



**StratEdge Corporation**  
www.stratedge.com

Hermetic SMT package ranging from 3X3 to 8X8 mm  
Leaded Laminate (LL) series was designed specifically  
for the packaging of high power Gallium Nitride (GaN)  
The LPA Series has exceptional wideband performance  
from DC to 23 GHz. These amplifier packages are used  
for C, X, and other Ku band applications  
SE50 Series are DC to 63 GHz off-the-shelf packages  
SMX packages are available in DC to 18 GHz and  
DC to 26GHz surface mount designs.  
High speed digital (HSD) packages



**Networks International Corporation (NIC)**  
www.nicck.com

DC-6 GHz LC Filters  
3-30 GHz Cavity Filters, Ceramic Filters  
1-250 MHz Crystal Filters  
0.5-18 GHz Switched Filter Banks  
Multiplexers & Duplexers



**Rftronics**  
www.rftronics.com

10-1000 MHz Dual Directional Coupler, 40dB.  
20-512 MHz Dual Directional Coupler, 40dB.  
20-512 MHz Dual Directional Coupler, 40dB.  
30-400 MHz Dual Directional Coupler, 10dB  
30-512 MHz Harmonic Filter Bank  
30-88 MHz Harmonic Filter Bank  
3-WAY, 800-2000 MHz combiner, 200 watts



**State of the Art, Inc.'s**  
http://www.resistor.com/

Precision Chip Resistors  
Military Products  
High frequency Products  
Resistor Networks



**Microwave Filters & TVC S.r.l.**  
www.microwavefilters.it

10MHz-80GHz Cavity Filters, 10MHz-80GHz Diplexers  
WR-284 to WR-22 Waveguide Adapters  
Flexible & Twistable Waveguide Assemblies  
from WR284 to WR2200



M3933, M39030 and M39012 series  
Qualified Product List (QPL)  
product portfolio includes:  
DC - 40 GHz Attenuators  
MIL-C-39012 Precision Adapters  
DC - 40 GHz Terminations  
DC Blocks  
DC - 18 GHz Power Dividers  
0.5 - 18 GHz Couplers



## RF & MICROWAVE PRODUCTS



**Dorado International**  
www.dorado-intl.com

1.0 to 110 GHz; Gain Horns, Planar Array  
Patch Antennas, Omni-directional CSC2 Sector Horn Antennas  
WR-90 (X-band) to WR-10 (W-band) Waveguide Adapters  
Attenuators, Tees, Transitions and Twists.  
Ferrite isolators and circulators from 24 MHz to 110 GHz  
for coaxial, microstrip, drop-in and waveguide circuits.



**TAI-SAW TECHNOLOGY CO**  
www.taisaw.com

RF Saw Filters, if saw Filters  
Saw Resonators, saw Duplexer  
Saw Oscillators, VCSO, Crystal Resonators



**Dynamic Engineers, Inc.**  
www.dynamiceng.com

3.5 to 200 MHz Crystals  
XO, VCXO, TCXO, OCXO  
Phase Coherent Multi-Output  
Oscillator  
Crystal Filters  
LC Filters  
30 to 512 MHz Filter Bank module  
225 to 512 MHz Tunable LC Filter



## WIRELESS PRODUCT



**FIBOCOM**  
www.fibocom.com

GSM/ (2G,3G,4G)/GPRS modules  
WCDMA ( HSPA/HSPA+) modules  
LTE Modules  
GPS/GNSS Modules  
OBD Solutions



**ACSIP**  
www.Acsip.com.tw

LORA Modules / LORA gateways  
Wi-Fi Modules a/b/g/n , a/b/g/ac/n



**WIZWI**  
http://wizwi.com

Wi-Fi & Bluetooth (BT4.1v), GPS



Ble Modules, LORA.



**Mxchip**  
Web : http://en.mxchip.com/

NB-IOT WIRELESS Modules, wi-fi+Bt



**Jiaxing Beyondoor Electronics Co. Ltd**  
**Beyondoor**  
http://www.beyondoor.com/

Antennas GSM/2.4GHz/GPS/LTE/433MHz



**JORJIN**  
www.jorjin.com

IOT Wi-Fi Modules a/b/g/n , Ble 4.2 Modules



**波华 Bohua**  
http://www.bohuagps.com

GPS antenna, GSM antenna, GPS/GSM  
combination antenna, GPS/GSM/CDMA antenna,  
WiFi antenna, GPS receiver, and  
bluetooth GPS receiver

## OUR PRINCIPALS

 Passive	 NOVACAP TAIYO YUDEN SYFER Rubycon CITIZEN TAITIEN
 Electro-Mechanical	 www.apemswitches.be Grayhill Sensata PENTAIR Schroff SCHLEGEL electronics materials Nidec NIDEC COPAL ELECTRONICS MOOGS3 KINGSTATE
 Interconnect	 cinch CONNECTIVITY SOLUTIONS a bel group MIDWEST MICROWAVE DELTA Electronics Mfg. Corp. Harbour INDUSTRIAL KEYSTONE CONEC Johnson TROMPETER RF connectivity precip-dip SINBON EMC
 Power	 The Power Behind Performance MINMAX SCHAFNER shaping electrical power e elektra Standex MEDER ELECTRONICS ARTESYN EMBEDDED TECHNOLOGIES bel POWER SOLUTIONS & PROTECTION a bel group excelsys AAVID THERMALLOY ZIPPY ZIPPY TECHNOLOGY CORP.
 Display / Memory	 AUO Apacer WAVEN Execution is King! ALLIANCE MEMORY Kingbright ZETTLER DISPLAYS
 Wireless	 wizwi MXCHIP JORJIN Fibocom wireless-tag Jiaxing Beyondoor Electronics Co. Ltd 波华 Bohua
 RF Microwave	 Signal Solutions Voltronics DLI DIELECTRIC LABORATORIES JQL EMI FILTER EMI Filter Company PICONICS NIC Microwave Filters & TVC S.r.l. Microwave components for telecommunication systems State of the Art, Inc.'s DORADO INTERNATIONAL TST

Local Offices : Chennai | Bengaluru | Hyderabad | Pune | Mumbai | Ahmedabad | Delhi  
Overseas Office : Singapore | Hong Kong | USA

**Corporate Office :**  
Jains Heights-Solus , 3rd Floor, Unit G & E,  
1st Cross, J.C. Road, (Opp. Jain College),  
Sampangi Rama Nagar, Bangalore - 560027. INDIA  
Tel:+91-80-26706677, 22290038 | Fax:+91-80-22290037  
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www.unified.co.in



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