

Importation & Distribution Electronic Components



Product Overview



# LINECARD



**Waterproof Solutions:** Circular Connectors, Power Connectors, M Series Sensor Connectors, Distribution Box, USB Connectors, IEEE1394 Connectors, D-SUB Connectors, DVI Connectors, RJ Connectors, SSL Solution Connectors, LED Indicator, HDMI Connectors, Fiber Optic Connectors, NMEA 2000 Connectors, PV AC Connectors / T-Junction, Cable Joiner, FICX Connectors, Cable Gland – Anti-UV, Vent Connectors, RBL Connectors, X-Lok Connectors, HS-Lok Connectors, Cable Assemblies, Customized Products,



**Waterproof Solutions:** M Series Sensor Connectors: M5, M8, M12, M16, M17, M23, M40 Connectors, 7/8" Connectors, Junction Box, Splitter, Valve Connectors, **Heavy Duty Connectors**, Industrial Network Connectors, DeviceNet, Ethernet, EtherCAT, Profinet, Profibus-DP, Modbus TCP/IP, Industrial Relay, Inductive Sensors, Capacitive Sensors, Cables, Cable Assemblies, Customized Products



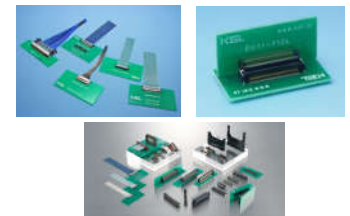
**Waterproof Solutions:** Circular Connectors, M Series Connectors, NMEA 2000 Connectors, USB Connectors, D-SUB Connectors, RJ45 Connectors, HDMI Connectors, Cable Gland, Vent Connector, Cable Joiner, Cable Assemblies, Turn-Key Solutions, Customized Products



**Waterproof Circular Connectors:** SF Series-IP67 shielded push-pull, SA Series-IP67 shielded push-pull, ST12-IP67 shielded, SP Series-IP68 Plastic, SY Series-IP67 Plastic, WA22-IP67, WAC3 Series IP65, WP Series IP44 & IP55, WL Series IP67, WD Series IP55 & IP65, WS Series, WF Series IP44-IP55-IP67, WY Series IP44 to IP67.



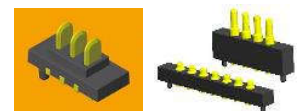
**Fine Pitch** (0,3-0,4-0,5-0,635-1-1,27, 2,54mm) connectors, **Half Pitch** (200-up) connectors (86-87-88-89 series), **Board to Board** Connectors, **Micro Coaxial Connectors**, IDC connectors for **Micro Coaxial** Cable, **Crimp Connectors** FA & FAS Series, 0,5mm Pitch **Floating** connectors (DY & DT Series), **Interface** connectors, **Battery connectors**, Card connectors, **Sockets & Switches**, Flat Ribbon Cable connectors, Cable Assemblies, Customized Products.



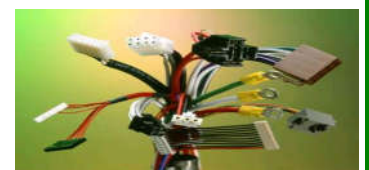
**High Speed Connectors**, **CXP** Series, **QSFP** Series, **SFP+** Series, **SFP Enhance** Series, **SFP** Series, **XFP** Series, **InfiniBand** Series, **CX4** Series, **PCI-E** Series, **Mini SAS** Series, **Micro D** Series, **VHDCI** Series, **SCSI II / III** Series, Hoods, Special Hoods, Cable Assemblies, Accessories, Custom Products.



**Battery connectors**, **Spring Loaded** connectors, **Pogo Pin** connectors, **Spring Pin** connectors, B to B, W to B & W to W connectors, PAD, Memory Card, C.F. Card connectors, D-SUB, Mini USB & Micro USB, RJ Jack connectors, Machine Pin Sockets, SATA, USB, Cable Assembly, Custom Products.



**Custom Cable Assemblies** : Automotive Cable, Waterproof Cable, USB & IEEE 1394, Power Cord, HDMI & DVI, VGA & KVM, SCSI Cable, FPC / FFC Cable, Micro Match Cable, SATA Cable, RF Cable, LCD Telecom, IP Camera Cable Assembly. **Connectors:** B to B, Header, W to B, IDC, USB & IEEE 1394, HDMI, DVI, SCSI, D-SUB & Hood, FPC-FFC, SATA, Mini Din, DC Power, RCA / RJ45 Jack, Custom.

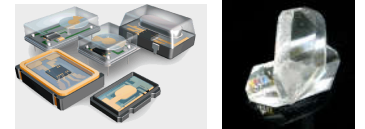


**Hoods**, Unshielded Plastic Hoods, Shielded, Die cast Hoods, Shielded Metal and Plastic Hoods, Multi Entry Hoods, Shielded Hoods for Slide, Lock Mount, Adapters, Special Hoods, Accessories, D-SUB connectors, Tooling, Customized Products.





**Crystal** Units MHz & KHz range, Quartz Crystal Oscillators HCMOS/LVPECL/LVDS/HCSL – SMD & Pin Type, Tuning Fork Crystal, Programmable Oscillators, **VCXO** (Voltage Controlled Xtal Oscillators), **VC-TCXO** (Voltage Controlled Temperature Compensated Xtal Oscillators), **VCXO – TCXO – (VC)TCXO**-Clipped Sine-SMD, **OCXO** (Oven Controlled Xtal Oscillators), **VCXO-PECL-SMD**, **LVDS-SMD**, **MEMS Oscillators**, Customized Products.



**Quartz Crystal, Crystal Oscillators & MEMS Oscillators**, half size & full size (TTL/CMOS/HCMOS) with Stop and tri-state Function Ceramic/Metal Package, **High Temperature** Range for **Automotive (AEC Q200 & AEC Q100)**, Tuning Fork Crystal, **SMD Programmable Oscillators**, Oscillators HCMOS-SMD-Pin Type Ceramic/Metal Package, **VCXO – TCXO – (VC)TCXO**-Clipped Sine-SMD, **PECL-SMD**, Oscillator-**LVDS-SMD**, **VCXO-PECL-SMD**, **Spread Spectrum** Oscillator-HCMOS-SMD Ceramic/Metal Package, Customized Products.



**Lithium-Ion Batteries, Lithium Polymer Batteries, Lithium-Iron-Phosphate Batteries**, NiMH Batteries, Lithium button cells, Cylindrical Lithium Batteries, Lithium Thionyl Chloride Batteries, Battery Holders, Lead Acid Batteries (VRLA), Alkaline Batteries, Hearing Aid Batteries, Watch Batteries, **Customized Battery pack Design**.



**Rechargeable Lithium-Batteries**, Nickel Batteries, NiMH Batteries, Lead Acid Batteries, No rechargeable Lithium Batteries, Battery holders, Alkaline Batteries, Dry Batteries, Cylindrical Lithium batteries, Lithium button cells, **Customized Battery Pack Design**.



Industrial power supplies, Automation power supplies, DIN-rail power supplies, LED lighting drivers and power supplies, Laboratory power supplies, UPS function power supplies.



**High Reliability Sockets and Adapters:** Ball Grid Array Sockets and Mini PGA Sockets, Carrier Sockets, Closed Frame DIP Sockets, DC/DC Converter Sockets, Fuse Sockets, Image Sensor Sockets and Carrier Sockets, Laminate Wafer Sockets (No Circuitry), LCC Sockets, LED Sockets, Open Frame DIP Sockets, Optoelectronic Sockets, Pin Grid Array Sockets and Adapters, PLCC Sockets, SIP Sockets, SMD Floating Terminal Sockets, SMD Gull-Wing and "J" Lead Sockets, Tadiran Battery Sockets.



**High Performance IC Sockets and Adapters:** High Performance Thermal Socket, Giga-snap, High Endurance GHz Socket, **Package Converters**, Electronic Module, Sockets, SMT Package Emulation, Package Conversion, Probing Adapter, Prototyping Adapters, **Custom Engineered Products, Turn-Key solutions.**



**Test & Burn-in Sockets:** Clam Shell - Open Top & SMD Version, SmartSocket, BGA / CSP: uBGA (CSP), PBGA, VFBGA, LGA, QFN: MLF, MMC, BCC; Optical Transceivers, Gull Wing, SIP, Zig-Zag, Microwave & Hybrid, LCC, PGA, Flat Pack, TO, Axial, Radial & MELF, DIP, PLCC / SOJ, Connectors, Flexible Bus Boards, Universal Boards, Socket Savers, Program Cards, **Customized Products.**



**Competence**  
**Quality**  
**Reliability**



# Amphenol LTW

Innovation in Waterproof Solution



- CIRCULAR CONNECTORS
- POWER CONNECTORS
- M SERIES SENSOR CONNECTORS
- DISTRIBUTION BOXES
- USB CONNECTORS
- IEEE1394 CONNECTORS
- D-SUB CONNECTORS
- DVI CONNECTORS
- RJ CONNECTORS
- SSL SOLUTION CONNECTORS
- LED INDICATOR
- HDMI CONNECTORS
- SATA CONNECTORS
- FIBER OPTIC CONNECTORS
- NMEA 2000 CONNECTORS
- PV AC CONNECTORS / T-JUNCTION
- CABLE JOINER
- CABLE GLAND – ANTI-UV
- VENT CONNECTORS
- RBL CONNECTORS
- X-LOK CONNECTORS
- HS-LOK CONNECTORS
- CABLE ASSEMBLIES
- CUSTOM PRODUCTS



ISO14001



ISO 9001



CE



NMEA



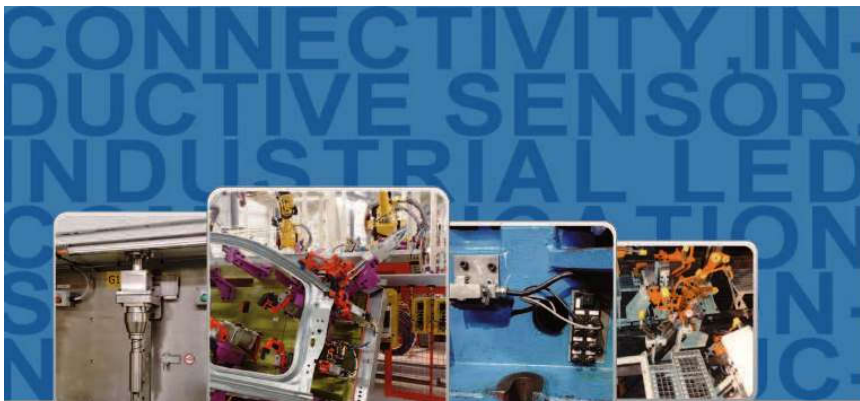
UL



TUV



Complete Range of Waterproof Connectors & Cable Assembly



CONNECTIVITY  
INDUCTIVE SENSOR  
INDUSTRIAL LED  
COMMUNICATION SOLUTION



- Waterproof Interconnect Solutions
- M Series Connectors
- M5, M8, M12, M16, M17, M23, M40 Series Conn.s
- 7/8" Series Connectors
- Junction Box
- Splitter
- RJ45 Connectors
- Industrial Network Connectors
- DeviceNet
- Ethernet
- EtherNet-IP
- EtherCAT
- Profinet
- Profibus-DP
- Modbus TCP/IP
- CANopen
- CC-Link
- Valve Connectors
- Heavy Duty Connectors
- Industry Machine Light System
- Inductive Sensor
- Capacitive Sensor
- Industrial Relay
- Accessories
- Cable Assemblies
- Customized Products





ODS Electronics

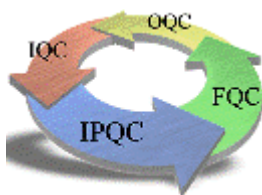
## Outdoor Solutions Provider



ODS - Pioneer in waterproof solution



National Marine  
Electronics Association



- Waterproof Solutions
- Circular Series Conn.s
- NMEA Series Connectors
- M Series Connectors
- RJ45 Series Connectors
- HDMI Series Connectors
- USB Series Connectors
- D-SUB Series Conn.s
- Cable Gland Series
- Vent Series
- Cable Joiner
- Accessories
- Cable Assemblies
- Customized Products



**WEIPU Connector**

- Circular Connectors SF Series (SF6-SF8-SF10-SF12-SF16-SF20) IP67 shielded push-pull coupling
- Circular Connectors SA Series (SA10-SA12-SA16-SA20-SA28) IP67 shielded push-pull coupling
- Circular Connectors ST12 Series IP67 shielded threaded coupling
- Circular Connectors SP Series (SP11-SP13-SP17-SP21-SP29) IP68 Plastic threaded coupling
- Circular Connectors SY Series (SY13-SY17-SY21) IP67 Plastic bayonet coupling
- Circular Connectors WA22 Series IP67 threaded coupling
- Circular Connectors WAC3 Series IP65 bayonet coupling
- RJ45F – IP67 bayonet coupling
- Circular Connectors WP Series IP44 & IP55 bayonet coupling
- Circular Connectors WL Series IP67 threaded coupling
- Circular Connectors WD Series IP55 & IP65 threaded coupling
- Circular Connectors WS Series threaded coupling
- Circular Connectors WF Series IP44, IP55, IP67 threaded coupling
- Circular Connectors WY Series IP44, IP55, IP66, IP67 bayonet coupling
- Cable Gland – PG7, PG9, PG11, PG13.5, PG16, PG21, PG29, PG36
- Cable Assembly
- Accessories
- Custom Products

**CRIMP**



**CE ROHS**

**WEIPU has a very wide product range, from 3A-200A, from 2pin – 61pin, from IP44-IP68. Our comprehensive series can meet most of requirements and harsh working environments. We are especially experienced and know for outdoor and waterproof connectors.**



### Board to Board Connectors

- [Floating Connectors](#)
- [0.635mm Pitch Connectors](#)
- [1mm Pitch Connectors](#)



### Board to Board Connectors

- [1.27mm Pitch Connectors](#)
- [Standard-Compliant Connectors](#)
- [Card Edge Connectors](#)



### Board to Cable Connectors

- [Micro Coaxial Connectors](#)
- [Crimp Connectors](#)
- [Flat Cable Connectors](#)



### Interface Connectors

- [Interface Connectors](#)



### Socket & Switches

- [IC Connectors](#)
- [Card Connectors](#)
- [Switches](#)



### Battery Connectors

- [Terminal Block Connectors](#)
- [Battery Connectors](#)



# Always the Best !

## Catch Your Speed



# CATCH YOUR SPEED

Connectors and Cables



## CONNECTORS

QSFP Connector Series

SFP+ Connector Series

SFP Enhance Connector Series

Transformed SFP Conn. Series

SFP Connector Series

XFP Connector Series

InfiniBand Connector Series

CXP Connector Series

Micro D Connector Series

VHDCI Connector Series

SCSI II/III Connector Series

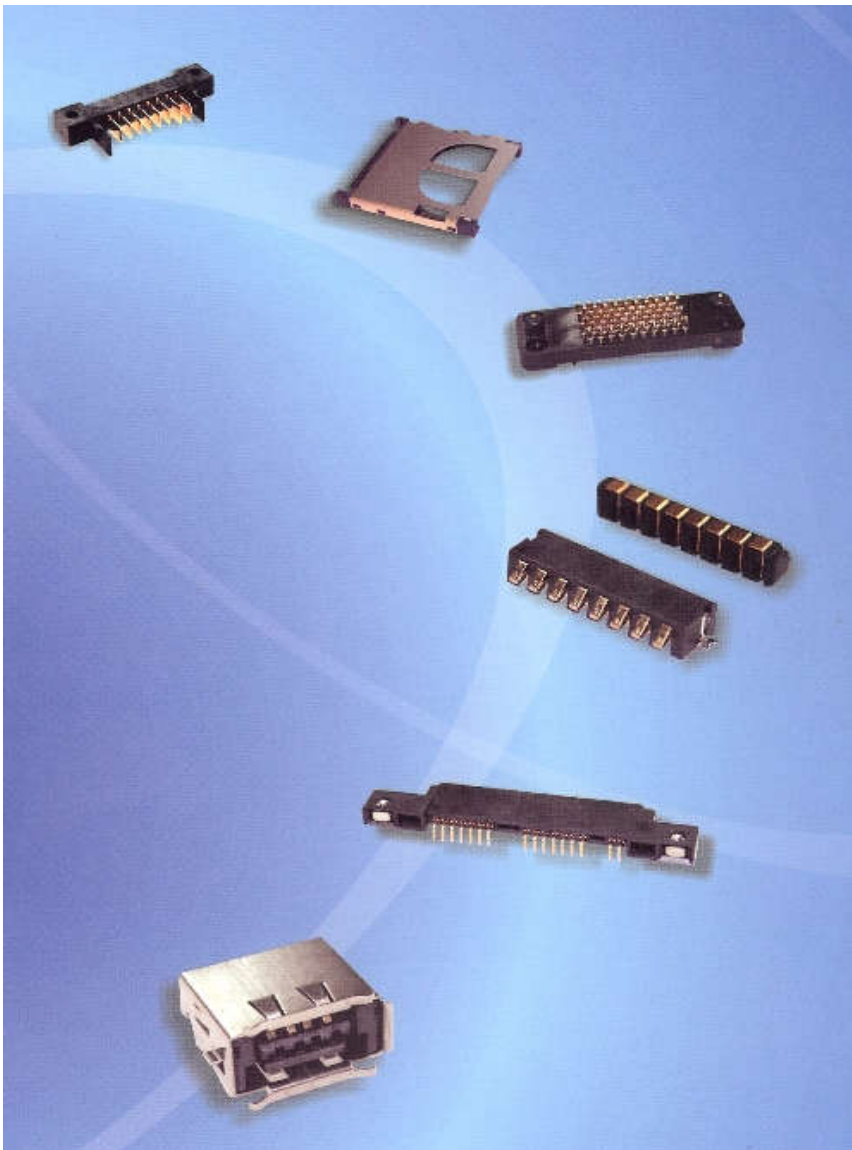
## CABLE ASSEMBLIES

Flat & Round Cable Assembly

Micro Coaxial Cable Assembly



## Specialist for Wire Harness and Connectors



### Connectors

Battery connectors

Pogo Pin connectors

Spring Loaded connectors

Spring Pin connectors

Board to Board connectors

Wire to Board connectors

Memory Card connectors

C.F. Card connectors

D-SUB connectors

Machine Pin Sockets

SATA connectors

USB connectors

Terminal Block

### Cable Assembly

Flat Cable & IDC Cable



### Custom Products

**High Quality – Low Prices – Best Service – Timely Delivery**

# Wire Harnesses



[www.bce.it](http://www.bce.it)

Flat Cable, USB & Connectors  
Serial ATA, Lcd & Telecom Assemblies

## Custom Cable Assembly:

- Wire Harnesses
- Round Cable
- Waterproof Cable
- USB & IEEE 1394
- Power Cord
- HDMI & DVI
- VGA & KVM
- Flat Cable
- SCSI Cable
- FPC / FFC Cable
- Micro Match Cable
- Sata Cable
- Coaxial Cable
- RF Cable
- LCD & Telecom Assemblies
- Waterproof Cable Assemblies
- Automotive Cable Assemblies

## Connectors:

- Board to Board
- Pin & Female Header
- Box Header
- Shrouded Header
- IC & PLCC Socket
- Wire to Board
- IDC Connector
- Micro Match Connector
- USB
- IEEE 1394
- HDMI / DVI / SCSI
- D-SUB & Hood
- FPC / FFC / Sata
- Terminals
- Switch / Mini Din
- DC Power Jack
- RCA Jack
- RJ45 Jack
- Earphone Jack
- Custom Products



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Supplier  
Business  
Information  
Verification



www.tuv.com  
ID 0000047106

- Prototypes available
- Flexible order volume
- 100% function testing

Your best choice for Interconnection Solutions

## The Complete Solution



### HOODS

Metal Hoods

Metalized Plastic Hoods

Diecast Hoods

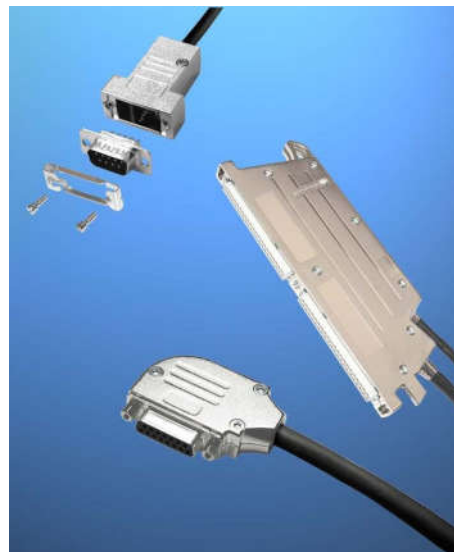
Metal + Plastic Hoods

Special Hoods

Adaptor Hoods

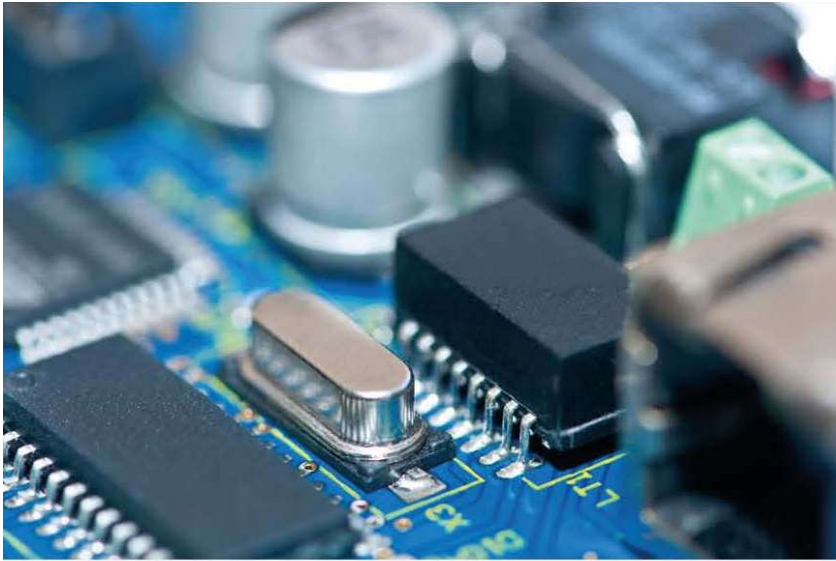
Accessories

### CONNECTORS



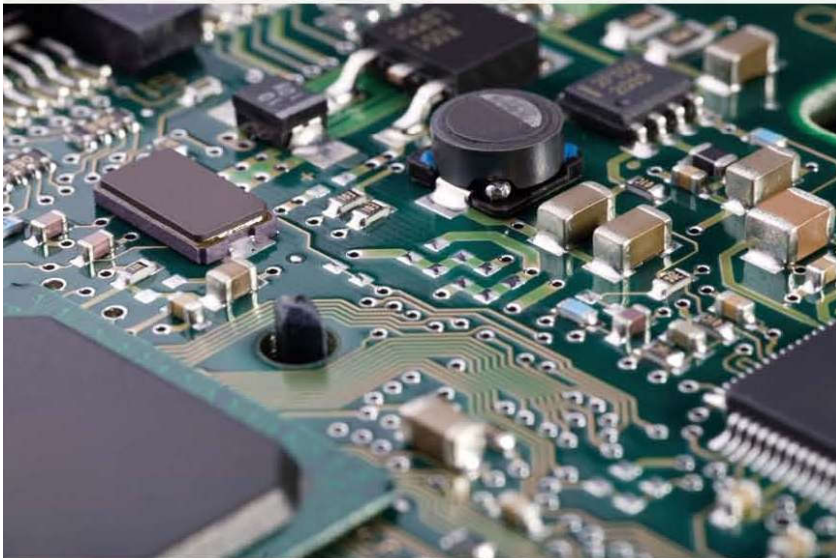
We look forward to being of service to you !!

## Your Frequency is our command



### Quartz Crystals

- Quartz Crystal – SMD – Ceramic Package
- SMD – Metal/Ceramic Package
- SMD – Metal Package / Molded Base
- Pin Type – Metal Package
- Tuning Fork Crystal – SMD
- Tuning Fork Crystal – Pin Type



### Quartz Crystal Oscillators

- HCMOS/LVPECL/LVDS/HCSL SMD – Ceramic/Metal Package
- Programmable – HCMOS – SMD – Ceramic Package
- HCMOS/LVPECL/LVDS – Pin Type – Full Metal Package
- VCXO - HCMOS/LVPECL/LVDS/HCSL SMD – Ceramic/Metal Package
- (VC)TCXO – Clipped Sine HCMOS/LVPECL/LVDS – SMD Ceramic/Metal Package
- (VC)TCXO – Clipped Sine/ HCMOS/LVPECL/ LVDS – Pin Type Full Metal Package
- Spread Spectrum Oscillator – HCMOS-SMD Ceramic/Metal
- OCXO – SMD & Pin Type



### MEMS Oscillators

- MEMS Oscillators

**TOTAL QUALITY ASSURANCE**

### Custom Products

**A reliable manufacturer you can count on !!**

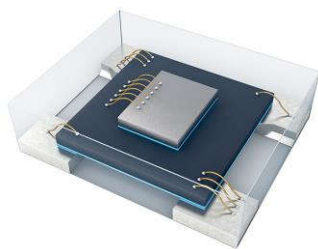


### Quartz Crystals

- Quartz Crystal - SMD - Ceramic Package
- SMD – Metal / Ceramic Package
- SMD - Metal Package / Molded Base
- SMD - Plastic Mold Package
- Pin Type - Metal Package
- Tuning Fork Crystal – SMD
- Tuning Fork Crystal – Pin Type
- Automotive Quartz Crystal

### Quartz Crystal Oscillators

- HCMOS - SMD - Ceramic Package
- Programmable - HCMOS - SMD - Ceramic Package
- HCMOS - SMD - Ceramic / Metal Package
- HCMOS - Pin Type - Full Metal Package
- VCXO - HCMOS - SMD - Ceramic / Metal Package
- VCXO - HCMOS – Pin Type - Full Metal Package
- (VC) TCXO – Clipped Sine - SMD Ceramic / Metal Package
- PECL - SMD – Ceramic / Metal Package
- LVDS - SMD – Ceramic / Metal Package
- VCXO - PECL - SMD Ceramic / Metal Package
- Spread Spectrum Oscillator - HCMOS -SMD Ceramic / Metal



### MEMS Silicon Oscillators

## Products

- Lithium-Polymer Batteries
- Lithium-Ion Batteries
- Lithium-Iron-Phosphatate
- NiMH Batteries
- Lithium Thionyl Chloride
- Lithium button cells
- Lithium Batteries
- Battery holder
- Alkaline Batteries
- VLRA Batteries
- Silver Oxide Batteries
- Zinc-air Batteries
- Charging devices
- Battery Protection Circuits
- Customized Battery Packs



The specialists for batteries since 1976  
Innovation – Quality – Capability

**High Quality - Safe Performance**



**Perfect Power for your application**

**Products**

• **Rechargeable Lithium-Batteries**

- 1) Li-Ion and Lithium Titanate batteries
- 2) Li-Po batteries
- 3) LiFePo4 batteries

• **Nickel Batteries**

- 1. Ni-MH batteries
- 2. Ni-Cd batteries
- 3. Ni-Cd / Ni-MH batteries
- 4. Nickel battery packs

• **Lead Acid Batteries**

- 1) AGM batteries
- 2) Dryfit batteries

• **No rechargeable Lithium Batteries**

- 1) LiSOCL2 batteries
- 2) LiMnO2 batteries
- 3) Lithium cells packs

• **Battery holders**

- 1) D/R/UM1 size
- 2) C/R14/UM2 size
- 3) AA/R6/UM3 size
- 4) AAA/R3/UM4 size
- 5) N/R01/UM5 size
- 6) Safety battery holders
- 7) Battery holders for lithium button cells

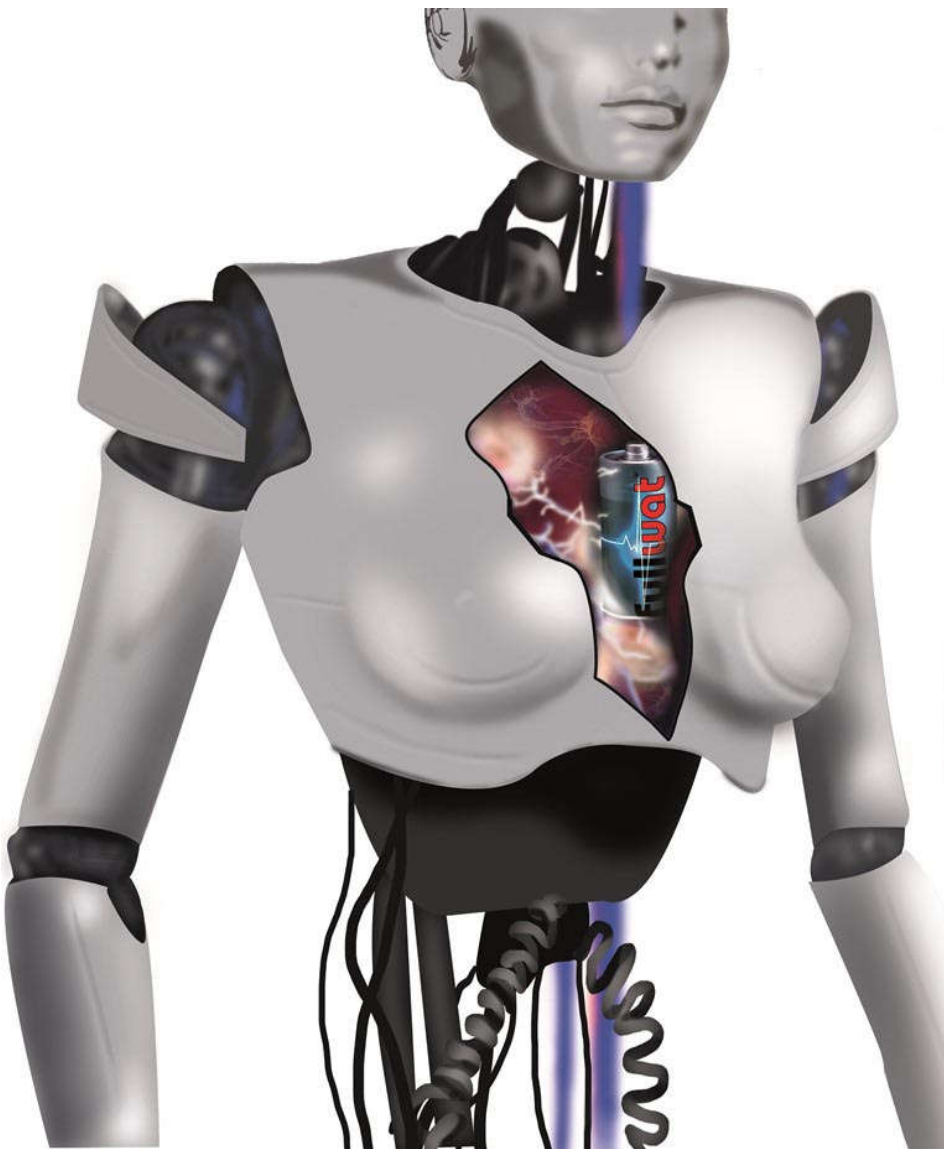
• **Alkaline Batteries**

• **Dry Batteries**

• **Cylindrical Lithium batteries**

• **Lithium button cells**

• **Customized Battery Packs**





## Products

- **Industrial power supplies**
- **Automation power supplies**
- **DIN-rail power supplies**
- **LED lighting drivers and power supplies**
- **Laboratory power supplies**
- **UPS function power supplies**





**ANDON**  
INTERCONNECTION SPECIALISTS

**IMAGE SENSOR SOCKETS**

With Andon's Unique Sensstac™ Contact  
Maximum Protection and Reliability at Lowest Cost.

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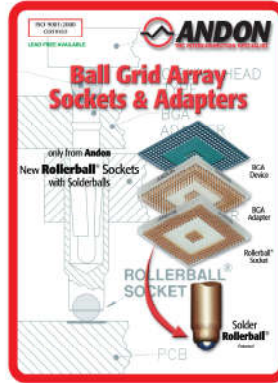
**IMAGE SENSOR LCC SOCKETS**

68 Pins LCC      100 Pins LCC  
84 Pins LCC

OTHER CONFIGURATIONS AVAILABLE

Largest Line of High Reliability Sensor Sockets  
with Andon's Patented Contact

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**ANDON**  
INTERCONNECTION SPECIALISTS

**Ball Grid Array Sockets & Adapters**

only from Andon  
New **Rollerball** Sockets  
with Solderballs

Rollerball Socket      Solder Rollerball

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Largest Line of High Reliability Sensor Sockets  
with Andon's Unique Sensstac™ Contact

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INTERCONNECTION SPECIALISTS

**OPTOELECTRONIC & GAS SENSOR SOCKETS**

Largest Line of High Reliability Sensor Sockets  
with Andon's Unique Sensstac™ Contact

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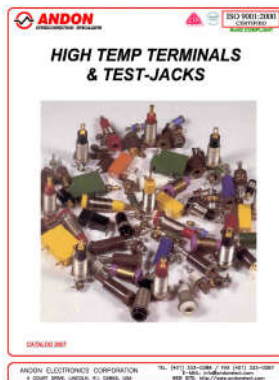
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**CONVERTER SOCKETS FOR SynQor®**

Largest Line of High Reliability Converter Sockets  
with Andon's Unique Contact

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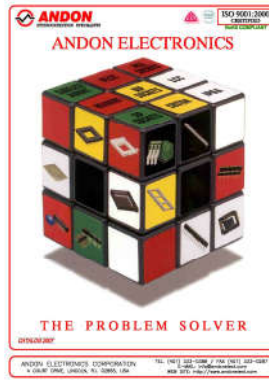
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**ANDON**  
INTERCONNECTION SPECIALISTS

**HIGH TEMP TERMINALS & TEST-JACKS**

ANDON ELECTRONICS CORPORATION  
42001 25th Avenue, #1, San Jose, CA



**ANDON ELECTRONICS**

**THE PROBLEM SOLVER**

ANDON ELECTRONICS CORPORATION  
42001 25th Avenue, #1, San Jose, CA

**Ball Grid Array Sockets and Mini PGA Sockets**

**Carrier Sockets**

**Closed Frame DIP Sockets**

**DC/DC Converter Sockets**

**Fuse Sockets**

**Image Sensor Sockets and Carrier Sockets**

**Laminate Wafer Sockets (No Circuitry)**

**LCC Sockets**

**LED Sockets**

**Open Frame DIP Sockets**

**Optoelectronic Sockets**

**Pin Grid Array Sockets and Adapters**

**PLCC Sockets**

**SIP Sockets**

**SMD Floating Terminal Sockets**

**SMD Gull-Wing and "J" Lead Sockets**

**Tadiran Battery Sockets**



**RoHS Compliant**  
**ISO 9001**  
**Certified**

[www.andonelect.com](http://www.andonelect.com)



**Ironwood**  
ELECTRONICS



**High Performance  
Sockets & Adapters**



**High Performance Thermal Socket**

**Giga-snap**

**High Endurance GHz Socket**

**Package Converter**

**Electronic Module**

**Sockets**

**SMT Package Emulation**

**Package Conversion**

**Probing**

**Adapter**

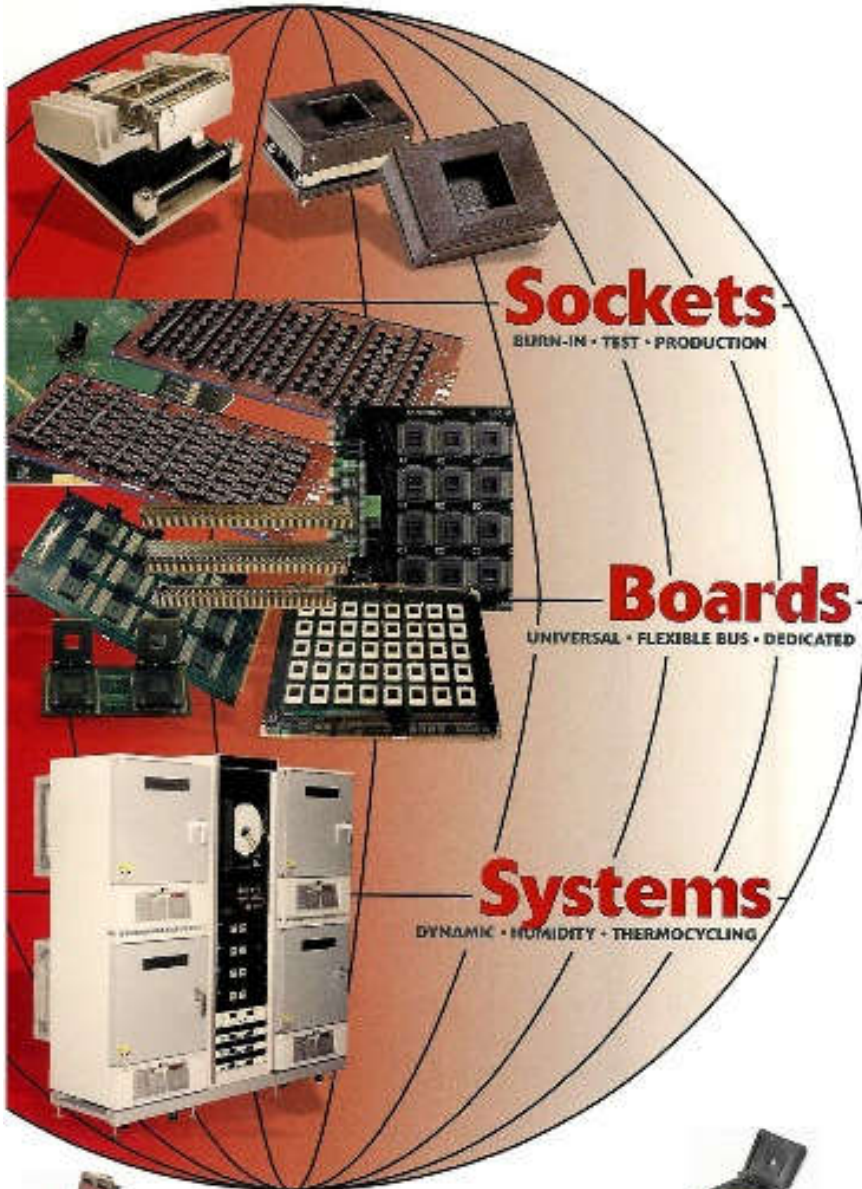
**Custom Engineered Products**



**New Innovative Technologies**

Products

- Smart Sockets
- BGA / CSP Sockets
- LGA
- QFN Sockets
- Optical Transceivers
- PGA
- Gull Wing Sockets
- SMD
- SIP
- Zig-Zag
- Microwave and Hybrid
- LCC w / Castellations
- FlatPack
- TO
- Axial / Radial / MELF
- DIP
- PLCC / SOJ
- Connectors
- Accessories
- Custom Products
- Burn - in Boards
- Burn – in Systems

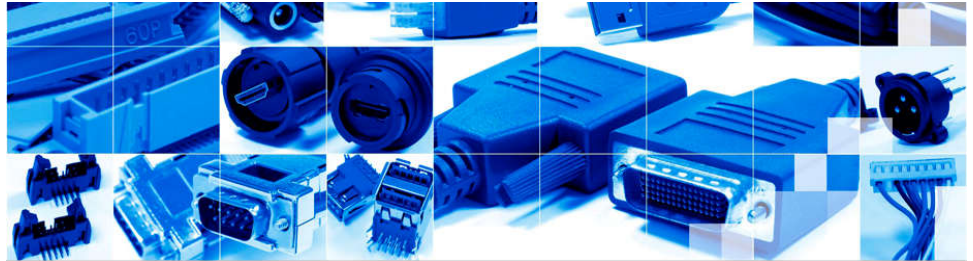
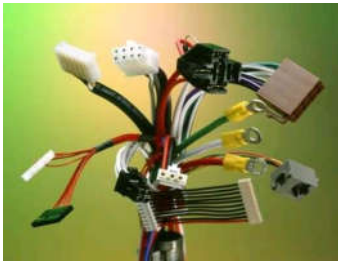


*Your Best choice for Test & Burn-in Solutions*



**Various Mold**

- Plastic injection & machinery components grinding work
- Die & Tooling development, design, and manufacturing OEM & ODM.
- Products include Zinc & Aluminum Alloy Die Casting, Stamping & Punching Mold & Tooling, Plastic Injection, etc.





**B.C.E. s.r.l.**

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[www.bce.it](http://www.bce.it) - E-mail: [bce@bce.it](mailto:bce@bce.it)

