

## LINEGARD







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 Circular Connectors**: SF Series - IP67 shielded push-pull coupling, SA Series - IP67 shielded push-pull coupling, ST12 - IP67 shielded threaded coupling, SP Series - IP68 Plastic threaded, SY Series - IP67 Plastic bayonet coupling, WA22 - IP67 threaded, WAC3 Series IP65 bayonet coupling, WP Series IP44 & IP55 bayonet coupling, WL Series IP67 threaded coupling, WD Series IP55 & IP65 threaded coupling, WS Series threaded coupling, WF Series IP44, IP55, IP67 threaded coupling, WY Series IP44, IP55, IP66, IP67 bayonet coupling, RJ45F - IP67 bayonet, Cable Gland.





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 Enhange** 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, Board to Board and Wire to Board connectors, Wire to Wire connectors, PAD connectors, Memory Card connectors, C.F. Card connectors, D-SUB connectors, Mini USB & Micro USB connectors, Card readed connectors, RJ Jack connectors, Machine Pin Sockets, SATA connectors, USB connectors, Cable Assembly, Customized 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**: Board to Board Connectors, Header Series, IC Socket, Wire to Board Connectors, IDC Connector, USB & IEEE 1394, HDMI, DVI, SCSI, DSUB & Hood, FPC-FFC, SATA, Mini Din, DC Power, RCA Jack / RJ45 Jack, Earphone Jack, Customized Products.





**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.





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**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.

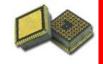






**High Performance IC Sockets and Adapters:** High Performance Thermal Socket, Giga-snap, High Endurance GHz Socket, **Package Converters**, Electronic Module, Sockets, SMT Package Emulation, Package Conversion, Probing Adapter, Prototyping Adapters, **Custom Engineered Products, Turn-Key solutions.** 







**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.** 





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