



TTI BRAZIL

Line Card



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The Specialist in Electronic Component Distribution

When it comes to IP&E and discrete components, TTI is your go-to resource with the broadest and deepest inventory, and a reputation for quality and on-time delivery second to none.

3M INTERCONNECT SOLUTIONS

ABRACON

AIRBORN INTERCONNECTS

ATC (AMERICAN TECHNICAL CERAMICS)

AMPHENOL

- AFCI
- Amphenol Advanced Sensors
- Amphenol Aerospace
- Amphenol All Sensors
- Amphenol Audio
- Amphenol Canada
- Amphenol Connex
- Amphenol FCI
- Amphenol Fiber Optics
- Amphenol ICC
- Amphenol Industrial
- Amphenol Matrix
- Amphenol Nexus
- Amphenol Pcd
- Amphenol RF
- Amphenol SGX Sensortech
- Amphenol Sine
- Amphenol Spectra Strip
- Amphenol SSI Technologies
- Amphenol SV Microwave
- Amphenol TCS
- Amphenol Tuchel

API DELEVAN

API TECHNOLOGIES

- Inmet
- Spectrum Control
- Weinschel

APTIV

(formerly Delphi Connection Systems)

AVX

- ELCO
- ETHERTRONICS

BARKER MICROFARADS (BMI)

BOURNS

- J.W. MILLER
- KEKO-VARICON
- KOMATSULITE
- TRANSTEK

BUSSMANN (EATON)

C&K COMPONENTS

CARLING TECHNOLOGIES

CARLISLE INTERCONNECT TECHNOLOGIES

- TRI-STAR

CONESYS

- AERO ELECTRIC
- J-TECH

CORNELL DUBILIER (CDE)

- ILLINOIS CAPACITOR

EATON

- BUSSMANN
- COILTRONICS
- POWERSTOR
- TRANSPORTATION AND eMOBILITY

EPCOS (TDK)

FARGO

- DILLBLOX®

GLENAIR

GOWANDA

HARWIN

HELLERMANNTYTON

HONEYWELL

INCON INC.

INRCORE

ITT CANNON

KEMET

- ARCOTRONICS
- EVOX RIFA
- FOREST ELECTRIC (FELCO)
- NEC TOKIN

KINGBRIGHT

KNOWLES

- DIELECTRIC LABS
- NOVACAP
- SYFER
- VOLTRONICS

KOA

KOSTAL

KYOCERA

LAIRD PERFORMANCE MATERIALS

LEAR

LITTELFUSE

- HAMLIN
- IXYS
- LITTELFUSE AUTOMOTIVE
- TECCOR
- US SENSOR

MOLEX

- ISI
- OPLINK
- PHILLIPS MEDISIZE
- SENSORCON
- TRITON

MURATA

- MURATA POWER SOLUTIONS (MPS)
- RF MONOLITHICS
- TOKO

Ask your TTI Sales Specialist about our Online Procurement programs – the quick and easy way to order components online using your terms account, see the status of your orders, upload your BOM, and do it all with secure 24/7 access.

NEXPERIA

NICHICON

OHMITE

- ARCOL

OMRON AUTOMATION & SAFETY

OMRON ELECTRONIC COMPONENTS

PANASONIC

- AROMAT
- SANYO

PANDUIT

PHOENIX CONTACT

PKC GROUP

PRECI-DIP

PULSE

RF360

ROHM SEMICONDUCTOR

SENSATA

- AIRPAX
- BEI SENSORS
- CRYDOM
- KAVLICO
- SENSATA SENSORS

SMITHS INTERCONNECT

- HYPERTAC
- IDI
- SABRITEC

SOURIAU/SUNBANK

STANDEX/MEDER

SUMITOMO WIRING SYSTEMS

SWITCHCRAFT/CONXALL

TDK

- EPCOS

TE CONNECTIVITY

- AGASTAT
- ALCOSWITCH
- AMP
- AUGAT
- AXICOM
- CII TECHNOLOGIES
- CORCOM
- DEUTSCH
- ELCON
- HARTMAN
- HTS
- KILOVAC
- MADISON CABLE
- MEASUREMENT SPECIALTIES
- MICRODOT
- NANONICS
- OEG
- POTTER & BRUMFIELD
- PRODUCTS UNLIMITED
- RAYCHEM
- SCHRACK
- SEACON

TOSHIBA

TT ELECTRONICS

- BI TECHNOLOGIES
- IRC
- OPTEK
- SEMELAB
- WELWYN

UNITED CHEMI-CON

VISHAY

- ANGSTROHM
- BCCOMPONENTS
- BEYSCHLAG
- CERA-MITE
- DALE
- DRALORIC
- ELECTRO-FILMS
- HUNTINGTON/MILWAUKEE
- ROEDERSTEIN
- SEMICONDUCTORS
- SFERNICE
- SILICONIX
- SPECTROL
- SPRAGUE
- TANSITOR
- TECHNO
- THIN FILM
- VITRAMON

VISHAY PRECISION GROUP

- FOIL RESISTORS

VPT COMPONENTS

WIMA

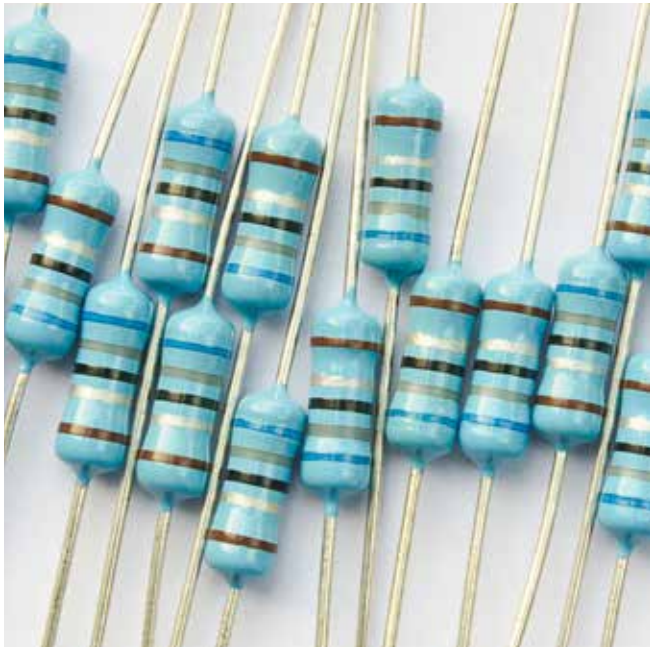
YAGEO

YAZAKI

Resistors

FILM										
	Bourns	KOA	OHMITE	Panasonic	TE Connectivity	TT Electronics - IRC, Welwyn	Vishay	Vishay - Dale	Vishay - Thin Film	Vishay Precision Group
METAL FILM										
Discrete Chip		●	●	●	●	●	●	●	●	●
Flame Proof	◆		◆		◆	◆	◆	◆	◆	◆
Fusible	◆	◆		◆	◆	◆	◆	◆	◆	◆
High-Temp	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High-Voltage	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Metal Film	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Metal Oxide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Precision	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thick Film Chip	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thin Film Chip	◆	◆		◆	◆	◆	◆	◆	◆	◆
Trimable				◆	◆	◆	◆	◆	◆	◆

POWER WIREWOUND CARBON & FOIL										
	Bourns	KOA	OHMITE	Panasonic	TE Connectivity	TT Electronics - IRC, Welwyn	Vishay	Vishay - Dale	Vishay - Huntington/Milwaukee	Vishay - Sfernice
POWER/WIREWOUND										
Brackets/Hardware		◆	◆	◆	◆	◆	◆	◆	◆	◆
Ceramic Composition		◆	◆	◆	◆	◆	◆	◆	◆	◆
Commercial	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Current Sense/ Low Resistance	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Grid			◆				◆	◆	◆	◆
Industrial	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Precision		◆	◆	◆	◆	◆	◆	◆	◆	◆
CARBON										
Carbon Film		◆	◆	◆	◆	◆	◆	◆	◆	◆



NETWORK										
	Bourns	KOA	Panasonic	TE Connectivity	TT Electronics - IRC, Welwyn	Vishay	Vishay - Dale	Vishay - Thin Film	Vishay Precision Group	Yageo
Array										
Integrated Passive	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Resistor/Capacitor	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
SMT	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Surge	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thick Film DIP	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thick Film SIP	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thin Film DIP	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thin Film SIP	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

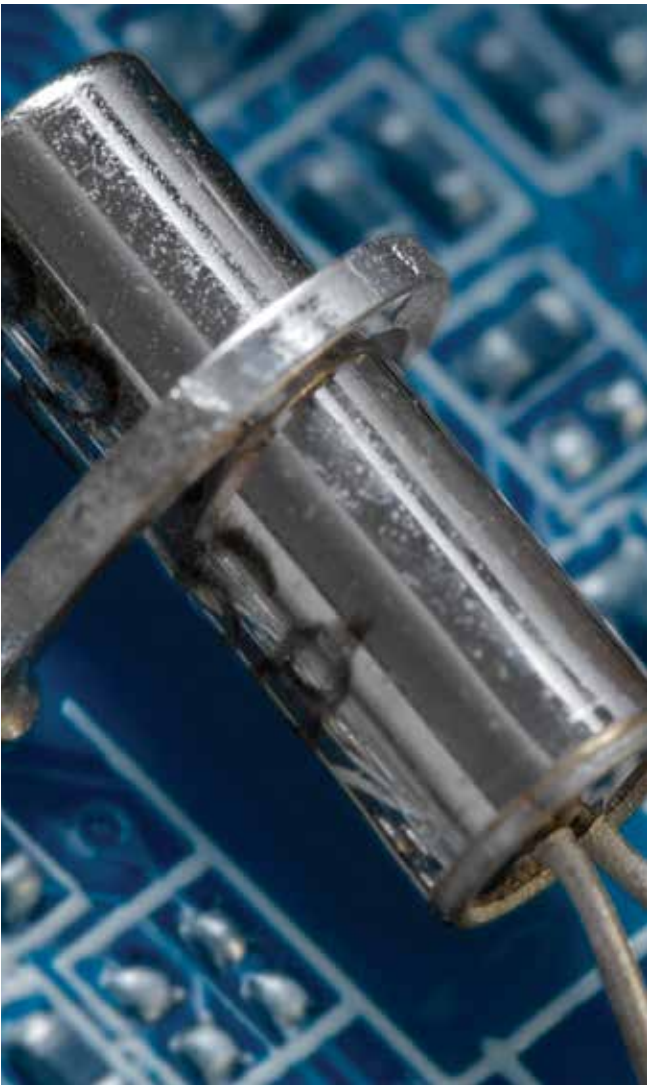
POTENTIOMETERS TRIMMERS										
	Bourns	Honeywell	OHMITE	Panasonic	TE Connectivity	TT Electronics - BI Technologies	Vishay	Vishay - Dale	Vishay - Sfernice	Vishay - Spectrol
TRIMMING POTENTIOMETERS										
Adjustment Tools	◆						◆			◆
Carbon	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cermet	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Counters	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Multi-Turn	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Open Frame	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sealed Frame	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Single-Turn	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Wirewound	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
PRECISION PANEL CONTROL										
Carbon	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cermet	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Conductive Plastic	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dials/Knobs	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Knobs	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Hybrid	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Linear	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Metal Foil	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Modular	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Motor Pot	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Multi-Turn	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Non-Linear	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Open Frame Slide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rheostat	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rotary	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sealed Frame	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Single-Turn	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Wirewound	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
SENSOR/ENCODER										
Encoders	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Linear Motion	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rotary	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

Capacitors

ALUMINUM		AVX	Barker Microfarad (BML)	Cornell Dubilier - Illinois Capacitor	Eaton - Power Stor	KEMET	Murata	Nichicon	Panasonic	TDK - EPCOS	UCC	Vishay - BCcomponents
AC Motor Start		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Axial Electrolytic		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
EDLC/Supercapacitor		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Flatpack Electrolytic		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Polymer		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Radial Miniature		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Screw Terminal		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Snap-In		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Surface Mount		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

FILM & MICA		API Technologies - Spectrum Control	AVX	Cornell Dubilier	KEMET	Nichicon	Panasonic	TDK - EPCOS	Vishay	Vishay - BCcomponents	Vishay - Roederstein	WIMA
FILM												
Motor Run		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Polyester		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Polypropylene		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Power Film		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Snubber		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Suppression X-Y (Safety Cap)		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Surface Mount		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
MICA												
Metal Clad		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mica		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Surface Mount		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

TANTALUM		AVX	KEMET	Panasonic	Vishay
Conformal Coated Chip		◆	◆	◆	◆
Dipped Radial		◆	◆	◆	◆
Fail Safe/Fused Chip		◆	◆	◆	◆
Hermetic Through Hole		◆	◆	◆	◆
High-Temperature Chip		◆	◆	◆	◆
Low ESR Chip		◆	◆	◆	◆
Low Profile Chip		◆	◆	◆	◆
Polymer Chip		◆	◆	◆	◆
Solid Metal Case Through Hole		◆	◆	◆	◆
Supertan		◆	◆	◆	◆
Wet Through Hole		◆	◆	◆	◆



CERAMIC		API Technologies - Spectrum Control	ATC (American Technical Ceramics)	AVX	Cornell Dubilier	CTS - Tusonix	KEMET	Knowles - Syfer, Novacap, DLI	Murata	TDK - EPCOS	Vishay	Vishay - BCcomponents	Vishay - Ceramite	Vishay - Roederstein	Vishay - Vitramon	United Chemi-com	Yageo
Arrays		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dip 2-Pin		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Disc		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Cap		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Q		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Temperature		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Voltage		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Low Inductance		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Multi-Layer		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Safety		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Single Layer		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Switch Mode		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trimmer		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

Circuit Protection & Electromagnetic Components

PROTECTION DEVICES												
	AVX	Bourns	Eaton - Bussmann	KOA	Littelfuse - Teccor	Murata	Panasonic	ROHM Semiconductors	TDK	TDK - EPCOS	United Chemi-Con	Vishay
OVER CURRENT												
Automotive (Blade) Fuses			◆		◆							
Axial Fuses			◆		◆							
Cartridge Fuses			●		◆							
NTC Thermistors	●			◆		◆	◆		◆	◆		●
Power (Electrical) Fuses			●		●							
PTC Thermistors		◆		◆		◆			◆	◆		●
Radial Leaded Resettable Fuses (PTC)	◆	◆		◆								
Radial Subminiature Fuses		◆		◆								
Surface Mount Resettable Fuses (PTC)	◆	◆		◆								
Surface Mount (125V+) Fuses		◆	●	◆	●							
Thermal Cutoffs (TCO)		◆		◆	◆		◆					
Thin Film (Chip) Fuses	●	◆	◆	◆	◆		◆					◆
OVER VOLTAGE												
Gas Discharge Tube (GDT)		●			◆					◆		
Hybrid GDT/MOV		◆			◆							
Line Protection Networks		◆			◆							
Polymer ESD Suppression			◆	◆	◆							
Protection Thyristors		◆			◆							
Surface Mount Varistors (MLV)	◆	◆	◆	◆	◆		◆		◆	◆		◆
Thermal MOV					◆					◆	◆	
Through-Hole Varistors (MOV)		◆		◆	◆		◆			◆	◆	
TVS Diodes	◆	◆	◆		◆		◆	◆				◆
TVS Diodes Arrays		◆		◆	◆		◆					◆

FILTERS												
EMI/RFI RF Filters RF Wireless	Abrakon	Amphenol RF	API Technologies - Inmet	API Technologies - Spectrum Control	API Technologies - Weinschel	AVX	KEMET - NEC TOKIN	Knowles - Precision Devices	Laird Performance Materials	Molex	Murata	Panasonic
Amplifiers				●							●	
Antennas	●	●	●	●	●	●			●	●	●	●
Attenuators			●	●	●							
Couplers				●	●	●					●	
EMI Absorbers							◆		◆			
EMI/RFI Filters	●		●	●	●	●	●	●		●	●	●
Feed-Thru Filters			●	●	●	●	●	●		●		
Noise Suppression Sheets							◆		◆			
RF/Microwave Filters			●	●	●	●				●		●
RF Module										●	●	
SAW Filters	●		●	●	◆					◆	◆	
Surface Mount Filters			●	●	●	●				●	●	●

POWER SUPPLIES												
	Murata Power Solutions				Omron Automation & Safety				Panasonic			
AC/DC Power Supplies	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
DC/DC Power Converters	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
DC/AC Power Inverters					◆							◆

MAGNETICS												
Ferrites Inductors Transformers	Abrakon	API Delevan	API Technologies - Spectrum Control	AVX	Bourns - JW Miller	Eaton - Colltronics	Gowanda	KEMET - NEC TOKIN	KOA	Laird Performance Materials	Murata	Panasonic
Air Coil Inductors	●	●	●	◆			●					
Common Mode Chokes	●	●	●	◆	◆	◆	●	◆	◆	◆	◆	◆
Custom Inductors	●	●	●		◆	◆	●	◆	◆	◆	◆	◆
Ferrite Beads	●	◆						◆	◆	◆	◆	◆
Ferrite Cores/Clamp Filters		◆	●		◆		◆		◆	◆		
High-Current Inductors	●	●	●	◆	◆	◆	●	◆	◆	◆	◆	◆
Leaded Inductors	●	●	●		◆	◆	●	◆	◆	◆	◆	◆
Multilayer Inductors	●	●	●	◆	◆	◆	●	◆	◆	◆	◆	◆
Power Inductors	●	●	●	◆	◆	◆	●	◆	◆	◆	◆	◆
RF Inductors	●	●	●	◆	◆	◆	●	◆	◆	◆	◆	◆
Thin Film Inductors	●			◆				◆	◆	◆		
Toroid Inductors	●	●	●		◆	◆	●	◆	◆	◆	◆	◆
Transformers	●	●	●		◆	◆	●	◆	◆	◆	◆	◆
Wirewound/Coil Inductors	●	●	●	◆	◆	◆	●	◆	◆	◆	◆	◆

PIEZO FILM SENSORS												
Sound Devices												
Buzzer											Murata	
Piezo											TDK	
Sensor												◆
Sounder												
Speaker												

THERMAL MANAGEMENT												
Extruded Heatsinks											Ohmite	
Liquid Coldplates											◆	
Liquid Cooling												
Thermal Gap Filler/Paste											◆	
Thermal Solutions Graphite Sheets											◆	●

TIMING DEVICES												
Frequency Control												
Crystals											Abrakon	
Oscillators	●	●	●	●	●	●	●	●	●	●	API Technologies	
Resonators	●	●	●	●	●	●	●	●	●	●	Kyocera	
											Murata	
											Vishay - Dale	

Interconnect

	3M	AirBorn	Amphenol	Amphenol Commercial	Amphenol FCI	Amphenol Pcd	Amphenol TCS	AVX - Elco	Bourns	Harwin	INCON Inc.	ITT Cannon	Molex	Omron	Panasonic	Smiths Interconnect	Souriau	TE Connectivity
BACKPLANE																		
BOARD-TO-BOARD																		
DEVICE-TO-BOARD																		
BACKPLANE																		
10 Gb/s+ Solutions	◆	◆	◆		◆						◆	◆						◆
2.00 mm (.079 inch)								◆			◆					◆		◆
AOC Assemblies	◆			◆	◆							◆						◆
Assemblies (Backplane)	◆											◆						◆
ATCA/MicroTCA	◆				◆			◆				◆						◆
Cable Assemblies		◆					◆					◆						◆
Card Edge	◆	◆	◆		◆					◆	◆	◆						◆
Compact PCI	◆		◆		◆			◆			◆	◆				◆		◆
DIN 41612 (Eurocard)	◆				◆			◆				◆						◆
Fiber Optic	◆				◆	◆						◆				◆		◆
Future Bus	◆				◆							◆						◆
Hard Metric	◆				◆			◆				◆						◆
High-Speed Cable Assemblies	◆			◆	◆							◆				◆		◆
PCI Express	◆		◆		◆						◆	◆						◆
Power	◆	◆		◆	◆	◆		◆				◆						◆
RF / Ganged RF			◆		◆							◆						◆
SCA-2				◆	◆							◆						◆
BOARD TO BOARD																		
Ball Grid Array (BGA)	◆				◆		◆					◆						◆
Battery Connectors					◆		◆	◆	◆									◆
Board Stacking	◆	◆			◆		◆				◆							◆
Breakaway Headers	◆		◆		◆						◆	◆						◆
Compression	◆	◆			◆			◆			◆	◆						◆
Headers & Receptacles	◆		◆		◆	◆		◆			◆	◆						◆
Mezzanine/FPC					◆		◆	◆				◆	◆	◆				◆
Power	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆				◆		◆
SCSI	◆		◆		◆							◆						◆
Shunts	◆		◆		◆			◆				◆						◆
Stacking	◆	◆	◆		◆		◆	◆				◆						◆
DEVICE TO BOARD																		
AOC Assemblies	◆			◆	◆							◆						◆
DIMM					◆			◆				◆						◆
DIP	◆				◆					◆								◆
High-Speed Cable Assemblies	◆			◆	◆							◆				◆		◆
PCMCIA	◆				◆							◆						◆
PGA	◆											◆						◆
PLCC	◆				◆					◆								◆
Rambus																		◆
RIMM/DIMM/SIMM					◆							◆						◆
Rotary Backlock																◆		◆
SIP	◆									◆								◆
Slot 1 & 2																		◆
SO DIMM & RIMM					◆			◆				◆						◆
Test/Burn-In Sockets	◆																	◆
Transistor																		◆



	3M	AirBorn	Amphenol	Amphenol FCI	AVX - Elco	Glenair	Harwin	INCON Inc.	ITT Cannon	Molex	Phoenix Contact	Smiths Interconnect	Souriau	TE Connectivity
WIRE-TO-BOARD														
WIRE-TO-WIRE														
100 mm (.039 inch)	◆			◆	◆		◆		◆					◆
1.25 mm (.049 inch)				◆			◆			◆				◆
1.27 mm (.050 inch)				◆			◆							◆
2.00 mm (.079 inch)	◆			◆	◆		◆			◆	◆	◆		◆
2.50 mm (.098 inch)					◆					◆	◆	◆		◆
2.54 mm (.100 inch)	◆	◆		◆	◆		◆	◆		◆	◆	◆		◆
3.00 mm (.118 inch)	◆			◆						◆				◆
3.68 mm (.145 inch)														◆
3.96 mm (.156 inch)										◆				◆
4.00 mm (.157 inch)					◆									◆
4.20 mm (.165 inch)										◆				◆
5.00 mm (.197 inch)										◆	◆			◆
5.03 mm (.198 inch)										◆				◆
5.08 mm (.200 inch)										◆	◆			◆
6.35 mm (.250 inch)										◆	◆			◆
7.50 mm (.295 inch)										◆	◆			◆
9.00 mm (.354 inch)					◆									◆
10.00 mm (.393 inch)											◆			◆
Bus Bar				◆					◆	◆	◆			◆
Cable Assemblies	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆		◆	◆
Discrete Wire	◆			◆	◆		◆			◆	◆		◆	◆
FFC/FPC				◆	◆					◆				◆
IDC Discrete Wire	◆			◆	◆		◆			◆				◆
IDC/Mass Termination	◆		◆	◆	◆		◆			◆	◆			◆
Mini D Ribbon/Champ	◆		◆											◆
Power	◆	◆			◆		◆	◆	◆	◆	◆	◆		◆
SATA/SAS/Mini SATA	◆		◆	◆	◆							◆		◆
SCSI I, II, III	◆	◆								◆				◆



	3M	Amphenol	Amphenol FCI	AVX - Elco	C&K Components	Molex	TE Connectivity
MEMORY CARD CONNECTORS							
CompactFlash™	◆	◆	◆	◆		◆	◆
DDR/DDR2/Mini DDR2			◆	◆		◆	◆
Express Card			◆			◆	◆
Full Size Card					◆		
Memory Stick/Duo						◆	◆
Micro SD			◆	◆		◆	◆
Mini SD			◆	◆		◆	◆
MMC			◆	◆		◆	◆
PC Card/CardBus		◆	◆			◆	◆
PCMCIA		◆	◆			◆	◆
SD (Secure Digital)		◆	◆	◆		◆	◆
Smart Card (SAM)					◆		
Smart Card (SIM)		◆	◆	◆		◆	◆
TransF		◆					◆
xD		◆					◆

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Interconnect

TERMINAL BLOCKS	Amphenol FCI	Amphenol Pcd	API Technologies - Spectrum Control	Molex - Beu	Phoenix Contact	Souriau	TE Connectivity
Barrier Strips							
Europa							
Eurostyle – Fixed / Pluggable							
2.54/3.50/3.81/5.0/5.08 mm							
Filtered							
Interface Modules							
NEMA							
Phenolic							
Push Button							
Rail Mounted							
Screw Terminal							
Spring Clamp							

SPECIALTY	3M	AirBorn	Amphenol	Amphenol Commercial	Amphenol FCI	Amphenol PCD	API Technologies - Spectrum Control		AVX - Elco	Bourns	Carlisle Interconnect - Tri-Star	Conesys - Aero Electric	Conesys - J-Tech	Glenair	Harwin	Hellerman Tyton	INCON Inc.	ITT Cannon	Molex	Omron	Panasonic	Phoenix Contact	Smiths Interconnect	Souriau	Switchcraft Conxall	TE Connectivity	Yazaki
	Automotive			◆		◆	◆	◆	◆			◆	◆			◆		◆	◆					◆	◆	◆	◆
	Battery			◆		◆	◆	◆	◆	◆		◆	◆		◆		◆	◆						◆	◆	◆	◆
	COTS		◆			◆	◆	◆				◆	◆		◆		◆	◆						◆	◆	◆	◆
	EMI Shielded	◆	◆	◆		◆	◆	◆	◆			◆	◆	◆	◆			◆	◆					◆	◆	◆	◆
	Filtered			◆	◆		◆		◆				◆					◆	◆				◆	◆		◆	◆
	Harsh Environment	◆	◆		◆				◆						◆	◆	◆		◆				◆	◆	◆	◆	◆
	Hermetic		◆	◆				◆				◆	◆	◆				◆	◆						◆	◆	◆
	High Voltage		◆	◆	◆			◆	◆			◆	◆					◆	◆			◆	◆	◆	◆	◆	◆
	Industrial	◆					◆	◆						◆				◆	◆							◆	◆
	LED Connector				◆									◆				◆	◆		◆				◆	◆	◆
M8/M12																◆	◆	◆	◆		◆	◆		◆	◆	◆	
Micro Miniature/ Nano	◆	◆	◆	◆				◆			◆	◆					◆	◆			◆		◆	◆	◆	◆	



INPUT/OUTPUT	3M	Abrakon	AirBorn	Amphenol	Amphenol Commercial	Amphenol FCI	Amphenol Pcd	API Technologies - Spectrum Control	AVX - Elco	Carlisle Interconnect - Tri-Star	Conesys - Aero Electric	Conesys - J-Tech	Glenair	Harwin	INCON Inc.	ITT Cannon	Molex	Omron	Panasonic	Phoenix Contact	Pulse	Smiths Interconnect	Souriau	Switchcraft Conxall	TE Connectivity
1394 & 1394b																									
Audio																									
Camera Link																									
Mini Camera Link																									
Circular																									
Combo I/O																									
Display Port																									
D-Subminiature																									
DVI																									
Fiber Channel																									
Fiber Optic																									
Filtered I/O																									
HDMI/ Micro HDMI																									
IPass																									
InfiniBand®																									
M12/M12D/M8																									
Micro D																									
Mini DIN/Circular DIN																									
Mini D-Subminiature																									
Mobile Systems																									
Modular Plugs & Jacks																									
PCI Express																									
Power																									
Push/Pull																									
Rectangular																									
RF/Coax / Microwave																									
RJ/Industrial Ethernet																									
SATA/SAS/Mini SATA																									
SCSI																									
SFP/XFP																									
TDP																									
USB/Mini USB/USB OTG																									

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RF/COAXIAL/ MICROWAVE	3M	AirBorn	Amphenol Aerospace	Amphenol RF	Amphenol SV Microwave	Carlisle Interconnect - Tri-Star	Delta Electronics Mfg Corp.	Molex	Smiths Interconnect	Switchcraft Conxall	TE Connectivity
1.0 / 2.3				◆		◆	◆	◆			◆
1.6 / 5.6				◆				◆			◆
7 / 16				◆			◆	◆			◆
BMA					◆		◆				◆
BNC (50/75Ω)				◆	◆		◆	◆	◆	◆	◆
BNC (Miniature)				◆			◆	◆	◆	◆	◆
B to B Blindmate/ Compression					◆		◆				◆
BSA				◆	◆		◆	◆			◆
FAKRA							◆	◆			◆
MCX/MMCX				◆			◆	◆			◆
MHV/SHV				◆			◆				◆
Microwave Cable Assemblies							◆	◆			◆
Precision ¹				◆							◆
QMA				◆			◆	◆			◆
Reverse Polarity ²				◆			◆	◆			◆
RF Cable Assemblies				◆	◆		◆	◆	◆		◆
Shielded Terminators							◆	◆			◆
SMA				◆	◆		◆	◆	◆		◆
SMB (50/75Ω)				◆	◆		◆	◆			◆
SMB (Miniature)				◆			◆	◆			◆
SMC				◆	◆		◆	◆			◆
SMP				◆	◆		◆	◆			◆
SMT				◆			◆				◆
SSMA					◆		◆	◆			◆
TNC				◆			◆	◆			◆
Triax				◆	◆		◆	◆	◆		◆
Twinax	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆
Type F/G				◆			◆	◆			◆
Type N				◆	◆		◆	◆	◆		◆
UHF/MiniUHF				◆			◆	◆			◆

¹2.4 / 2.9 / 3.5 / 7mm
²BNC, MMCX, N, SMA, TNC

AUDIO	Amphenol Audio	Amphenol Nexus	Amphenol Tuchel	API Technologies - Spectrum Control	Switchcraft Conxall	TE Connectivity
1/4" Phone (T Series, M Series and Jacks)	◆				◆	
1/4" Phone SwitchPlug	◆				◆	
3.5mm PCB	◆				◆	
AC PDN	◆					
AC Series XLR Cable	◆				◆	
AC Series XLR Metal "Z" Chassis Mount	◆					
AC Series XLR PBC Chassis Mount	◆				◆	
AC Series Dual 1/4" XLR	◆					
AC Series XLR Thermoplastic Chassis Mount	◆				◆	
Accessories		◆				
AX Series XLR Cable	◆				◆	
BNC 75ohm Connectors	◆				◆	◆
C Type Combo 1/4" - XLR PCB	◆					
EP/AP Series High Power	◆					
Multipin Series		◆	◆	◆		
RCA Series	◆	◆			◆	
SP High Current Loudspeaker	◆				◆	
XLRnet Series Cable	◆					
XLRnet Series PCB/Chassis Mount	◆					

WIRE & BOARD MANAGEMENT/ ACCESSORIES	3M	AirBorn	Amphenol	Amphenol FCI	Amphenol Pcd	AVX - Elco	Carlisle Interconnect -Tri-Star	Glenair	Harwin	HellermannTyton	ITT Cannon	Laird Performance Materials	Molex	Panduit	Phoenix Contact	Souriau	TE Connectivity
Backshells	◆	◆	◆				◆	◆	◆	◆	◆		◆			◆	◆
Cable Clips	◆								◆	◆				◆			◆
Cable Management	◆				◆					◆					◆	◆	◆
Cable Marker Ties	◆								◆	◆					◆		◆
Cable Mounts	◆								◆				◆				
Cable Spacers	◆								◆					◆			
Cable Terminals	◆								◆				◆	◆			◆
Cable Ties	◆									◆				◆	◆		
Heat Shrink Products	◆							◆		◆				◆	◆		◆
Jumper Links				◆					◆			◆	◆				
Labeling Systems	◆			◆						◆				◆	◆		◆
Labels	◆									◆				◆	◆		◆
PCB Spacers	◆				◆				◆			◆		◆	◆		◆
PCB Terminals			◆	◆			◆	◆		◆			◆			◆	◆
Printers/Software and Ribbons	◆								◆						◆	◆	◆
RFI Clips & Fingers									◆			◆					◆
Shorting Links									◆				◆				
Solderless Terminals	◆			◆										◆	◆	◆	◆
Splices	◆				◆	◆	◆						◆	◆	◆	◆	◆
Stainless Steel Accessories	◆									◆		◆		◆	◆		◆
Test Points									◆								◆
Tooling		◆	◆	◆	◆		◆	◆		◆	◆		◆	◆	◆		◆
Wire & Cable	◆			◆	◆					◆			◆	◆	◆		◆
Wire Ducting	◆									◆				◆	◆		◆

TRANSPORTATION	3M	Amphenol	Amphenol FCI	API Technologies - Spectrum Control	APTIV (formerly Delphi Connection Systems)	AVX - Elco	Carlisle Interconnect - Tri-Star	Fargo	Glenair	Harwin	HellermannTyton	INCON Inc.	ITT Cannon	KOSTAL	Lear	Molex	Panduit	Phoenix Contact	PKC Group	Preci-Dip	Smiths Interconnect	Souriau	Sumitomo Wiring Systems	TE Connectivity	Yazaki	
	APPLICATIONS																									
	Agricultural		◆	◆		◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	
	Automotive		◆	◆		◆	◆		◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	
	Commercial Vehicles		◆	◆		◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	
	Construction		◆	◆		◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	
	Marine		◆	◆		◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	
	Mass Transit		◆	◆		◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	
	Recreational Vehicles		◆	◆		◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	
	INTERCONNECTS																									
	Backplane	◆	◆	◆		◆						◆	◆				◆					◆			◆	
	Backshells	◆	◆	◆		◆	◆		◆		◆	◆	◆	◆			◆						◆		◆	◆
	Board-to-Board	◆	◆	◆		◆	◆			◆		◆	◆	◆			◆		◆			◆			◆	◆
	Circular		◆	◆		◆	◆		◆	◆	◆		◆	◆			◆		◆			◆			◆	◆
	Contacts		◆	◆		◆	◆		◆	◆	◆		◆	◆			◆		◆		◆	◆			◆	◆
	Device-to-Board	◆	◆	◆		◆	◆			◆	◆		◆	◆			◆		◆			◆			◆	◆
	Input/Output	◆	◆	◆	◆	◆	◆		◆	◆			◆	◆		◆	◆	◆	◆			◆	◆	◆	◆	◆
	Memory Card	◆	◆	◆		◆	◆						◆	◆			◆		◆						◆	◆
	RF/Coax/Microwave		◆				◆							◆								◆			◆	◆
	Solderless Terminals	◆		◆		◆	◆							◆	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆
	Speciality	◆	◆	◆	◆	◆	◆	◆	◆	◆			◆	◆	◆	◆	◆	◆	◆	◆			◆	◆	◆	◆
	Terminal Blocks		◆	◆										◆			◆		◆						◆	◆
	Tooling	◆	◆	◆	◆	◆	◆		◆					◆	◆		◆		◆	◆			◆		◆	◆
	USB	◆	◆			◆								◆	◆		◆		◆			◆			◆	◆
	Wire & Cable	◆	◆											◆					◆						◆	◆
Wire Management	◆		◆		◆					◆				◆			◆		◆					◆	◆	
Wire-to-Board	◆	◆	◆	◆	◆	◆		◆	◆	◆			◆	◆		◆		◆				◆	◆	◆	◆	
Wire-to-Wire	◆	◆	◆	◆	◆	◆			◆	◆			◆	◆		◆		◆				◆	◆	◆	◆	

RELAYS	Honeywell	KEMET-NECTON	Littelfuse-Hamlin	Omron	Panasonic	Phoenix Contact	TE Connectivity
Automotive				◆	◆		◆
Communication				◆	◆		◆
Contactors						◆	
Crystal Can							◆
Definite Purpose Contactors							◆
DIN Rail Mounted				◆	◆	◆	
Dry Reed			◆				◆
General Purpose	◆			◆	◆	◆	◆
High-Voltage Switching				◆	◆	◆	◆
Low Signal PCB		◆					
Miniature PCB				◆	◆	◆	◆
MOSFET				◆	◆		
Panel/Plug-In				◆	◆	◆	◆
Power				◆	◆		
Power Controllers							◆
Power Distribution Panels							◆
Power PCB				◆	◆	◆	◆
Programmable Time Delay				◆		◆	◆

RELAYS CON'T	Littelfuse-Hamlin	Omron	Panasonic	Phoenix Contact	Sensata (Airpax)	Sensata (Crydom)	TE Connectivity
Reed	◆						◆
Reverse Power							◆
RF			◆				◆
Rotary							◆
Signal		◆	◆	◆			◆
Sockets		◆	◆				◆
Solid State		◆	◆	◆		◆	◆
Time Delay		◆					◆

CIRCUIT BREAKERS	Carling Technologies	Phoenix Contact	Sensata (Airpax)	TE Connectivity
Hydraulic/Magnetic Circuit Breakers	◆	◆	◆	◆
Thermal Circuit Breakers	◆	◆		◆

SENSORS	Amphenol Advanced Sensors	All Sensors	AVX	Bourns	Honeywell	KEMET	KOA Speer	Littelfuse (Hamlin, US Sensor)	Molex	Murata	Ohmite	Omron Components	Panasonic	ROHM Semiconductor	Sensata (BEI Sensors, Kavlico)	SGX Technology	SSI Technology	Standex Meder	TDK/EPCCOS	TE Connectivity's MEAS Sensors	TT Electronics	Vishay
MOTION/POSITION/SPEED																						
Accelerometer & Vibration										◆				◆						◆		
Gyroscopes										◆												
Inertial Combo					◆															◆		
Liquid Level								◆	◆								◆	◆		◆		
Hall Effect & Reed (Switch/Latch)					◆			◆						◆				◆		◆	◆	
Linear Position (LVDT)					◆										◆			◆				
Rotary Position, Encoders				◆	◆					◆			◆		◆			◆		◆	◆	
Proximity (Inductive, Capacitive)			◆		◆			◆	◆													
Speed (Hall effect)			◆		◆			◆							◆					◆		
Ultrasonic					◆					◆										◆		
OPTICAL																						
Ambient Light/Proximity														◆							◆	◆
Optoelectronics												◆	◆	◆							◆	◆
Photoelectric/Safety									◆													
UAV/Solar	◆																					◆
PRESSURE/FORCE/FLOW																						
Flow (Air/Gas)					◆							◆			◆					◆		
Force					◆						◆									◆		
Load Cell/Load Pin					◆															◆		
Pressure (Heavy Duty, Transducer)	◆				◆										◆		◆			◆		
Pressure (SMT/THT)	◆	◆		◆	◆					◆		◆	◆	◆	◆					◆		
ENVIRONMENTAL																						
Fine Partical	◆				◆							◆		◆					●			
CO2 and VOC	◆				◆					◆		◆				◆				◆		
Digital Combination	◆	◆		◆	◆							◆										
Gas					◆																	
Humidity	◆			◆	◆							◆								◆		
NTC & PTC Thermistors	◆		◆		◆		◆			◆										◆	◆	◆
Thermistor Probes & Assemblies	◆		◆		◆	◆	◆	◆	◆	◆					◆					◆	◆	◆
RTD	◆				◆			◆							◆					◆	◆	
Thermopiles	◆																			◆		
Thermocouple																				◆		
OTHER																						
Current					◆	◆								◆								
Fluid Quality & Liquid Level								◆	◆								◆	◆		◆		

SWITCHES	Bourns	C&K Components	Carling Technologies	Honeywell	KEMET - NEC TOKIN	Littelfuse - Hamlin	Omron	Panasonic	Phoenix Contact	Sensata (Airpax)	Sensata (Crydom)	Standex - Meder	TE Connectivity
DIP	◆	◆					◆						◆
Encoder								◆					
E-Stop		◆		◆			◆						
Hour Meter				◆									
Keylock		◆					◆						◆
Keyswitch		◆		◆									
Knobs							◆						◆
Limit				◆			◆						
Optical							◆	◆					
Paddle		◆	◆	◆									◆
Panel Mount		◆	◆	◆			◆						◆
Power Rocker		◆	◆					◆					◆
Pressure Switch				◆									
Pushbutton		◆	◆	◆			◆	◆					◆
Pushwheel		◆											◆
Reed						◆						◆	
Rocker		◆	◆				◆						◆
Rotary	◆	◆	◆	◆			◆						◆
Selector		◆					◆						
Slide		◆	◆					◆					◆
Snap Action		◆		◆			◆						◆
Special Purpose		◆	◆	◆			◆	◆					◆
Switchlock		◆											
Surface Mount	◆	◆					◆	◆					◆
Tactile	◆	◆					◆	◆					◆
Thumbwheel		◆					◆						
Toggle		◆	◆	◆									◆

Discretes

POWER SEMICONDUCTORS	AVX	Bourns	Littelfuse - IXYS	Littelfuse - Teccor	Nexperia	Panasonic	ROHM Semiconductor	Toshiba	TT Electronics - Semelab	Vishay	VPT Components
DIODES											
Arrays		◆	◆	◆	◆	◆	◆	◆	◆	◆	■
Schottky	◆		◆	◆	◆	◆	◆	◆	◆	◆	
Small Signal		◆	◆	◆	◆	◆	◆	◆	◆	◆	■
TVS	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
Zener		◆	◆	◆	◆	◆	◆	◆	◆	◆	■
Silicon Carbide (SiC)			◆				◆	◆			
RECTIFIERS											
Bridge		◆	◆				◆			◆	
Rectifiers		◆	◆	◆	◆		◆	◆	◆	◆	
Schottky		◆	◆	◆	◆		◆	◆	◆	◆	■
THYRISTORS											
Switching (SCRs, Triacs)			◆	◆						◆	
TRANSISTORS											
Bipolar		◆			◆		◆	◆	◆	◆	
Small Signal		◆			◆		◆	◆	◆	◆	■
IGBTs											
Discrete			◆				◆	◆			
Modules			◆	◆					◆	◆	
MOSFETS											
Gallium Nitride (GaN)				◆		◆	◆				
High-Voltage			◆		◆		◆	◆	◆	◆	
Low-Voltage					◆		◆	◆	◆	◆	
Modules			◆				◆	◆	◆	◆	
Silicon Carbide (SiC)			◆	◆			◆		◆		

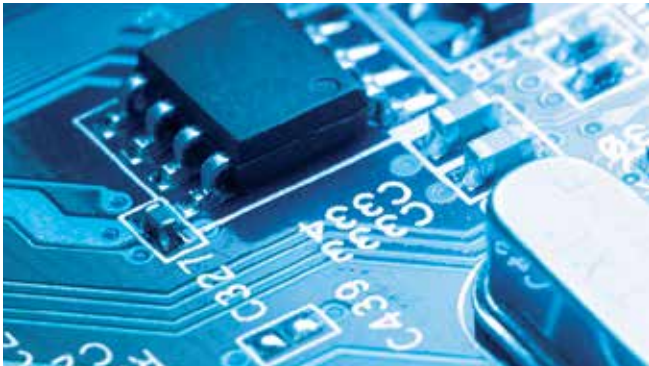
■ MIL Spec Discretes (DSCC)

OPTOELECTRONICS	Kingbright	Littelfuse	Murata - MPS	Panasonic	ROHM Semiconductor	Toshiba	TT Electronics - OPTEK	Vishay
Digital Panel Meters			◆					
High-Voltage Isolators					◆	◆	◆	◆
Infrared Components	◆				◆		◆	◆
Infrared Touch Panels								◆
LCD Modules								◆
LEDs - Indication	◆			◆	◆		◆	◆
LEDs Illumination <1W	◆			◆	◆		◆	◆
LEDs - Illumination >1W	◆			◆	◆		◆	◆
LED Displays	◆				◆			◆
LED Drivers				◆	◆			◆
LED Modules	◆				◆		◆	◆
OLED Displays								◆
Optical Sensing		◆			◆	◆	◆	◆
Optocouplers	◆					◆		◆
Plasma Displays								◆
Solid State Relays				◆		◆		◆
TFT Displays								◆

ADDITIONAL DISCRETE COMPONENTS	Nexperia	ROHM Semiconductor	Toshiba	TT Electronics - Semelab	Vishay
Analog Switches	◆	◆	◆	◆	◆
LDO (Low Drop Out) Voltage Regulator		◆	◆		◆
Logic	◆	◆	◆		
Motor Control Drivers	◆	◆	◆		◆
RF Diodes		◆	◆	◆	◆
RF Transistors	◆	◆	◆	◆	
Voltage Regulators		◆	◆	■	◆

■ MIL Spec Discretes (DSCC)

MEMORY	Panasonic	ROHM Semiconductor	TDK
CompactFlash™, CFast™			◆
DRAM			◆
eMMC Memory	◆		
FeRAM			◆
SD Memory Cards	◆		◆
Serial EEPROM			◆
Solid State Drives (SSD)			◆





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