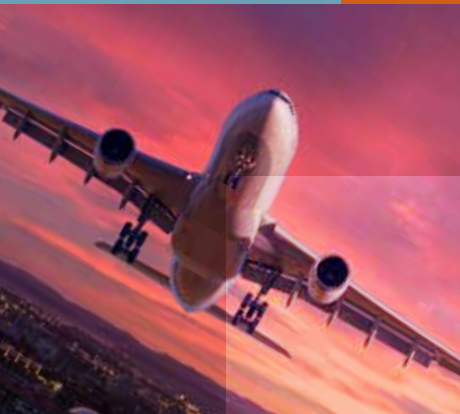




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### 3M Interconnect Solutions

#### Abrakon

#### Amphenol

- Amphenol Advanced Sensors
- Amphenol Aerospace
- Amphenol Alden
- Amphenol All Sensors
- Amphenol Canada
- Amphenol Communications Solutions
- Amphenol Connex
- Amphenol CONEC
- Amphenol Entertainment
- Amphenol FCI
- Amphenol Fiber Optics
- Amphenol Industrial
- Amphenol Matrix
- Amphenol Mobile Consumer Products
- Amphenol Nexus
- Amphenol PCD
- Amphenol Piher Sensing Systems
- Amphenol Positronic
- Amphenol RF
- Amphenol SGX Technology
- Amphenol Sine
- Amphenol Spectra Strip
- Amphenol SSI Technology
- Amphenol SV Microwave
- Amphenol TCS
- Amphenol Times Microwave Systems
- Amphenol Tuchel
- Carlisle Interconnect Technologies/Tri-Star

#### Aptiv (formerly Delphi)

#### Bourns

- J.W. Miller
- Keko-Varicon
- Komatsulite
- Riedon™
- Transtek

#### Chemi-Con

#### Cornell Dubilier (CDE) (See Knowles/CDE)

#### Delevan

### Dialight

#### Eaton

- Bussmann Electronics
- Royal Power
- Souriau-Sunbank Transportation and eMobility

#### Glenair

#### HARTING

#### Harwin

#### HellermannTyton

#### Honeywell

#### iNRCORE

- Gowanda
- Vanguard

#### ITT Cannon

- Micro-Mode

#### Knowles

- Dielectric Labs (DLI)
- IMC
- Johanson (Trimmers)
- Novacap
- Syfer
- Voltronics

#### Knowles/CDE

- Aerovox
- Illinois Capacitor

#### KOA Speer

#### KYOCERA AVX

- ATC
- Elco
- Ethertronics

#### KYOCERA Display

#### Lelon

#### Littelfuse

- C&K Components
- Carling Technologies
- Hamlin
- Hartland Controls
- IXYS
- Littelfuse Automotive
- Teccor
- US SENSOR

### Molex

- AFFINITY MEDICAL
- AirBorn Interconnects
- BittWare
- Brad
- FCT
- Flamar
- GW Connect
- ISI
- Laird CVS
- Nistica
- OPLINK
- Philips Medisize
- Polymicro Technologies
- PROTEK
- SDP Telecom
- Sensorcon
- Soligie
- SST
- Temp-Flex
- TRITON
- Woodhead

#### Motherson (formerly PKC Group)

#### Murata

- Murata Power Solutions (MPS)

#### Nichicon

- ICEL

#### OHMITE

- Arcol

#### OMRON

- OMRON Automation & Safety
- OMRON Electronic Components

#### Panasonic

- Aromat
- Sanyo

#### PANJIT

#### Phoenix Contact

#### Preci-Dip

#### ROHM Semiconductor

#### Samtec

### Sensata

- Airpax
- BEI Sensors
- Crydom
- Cynergy3
- Gigavac
- Kavlico
- Sensor Solutions

#### Spectrum Control (formerly APITech)

#### Switchcraft Conxall

#### TAIYO YUDEN

#### TDK

- EPCOS

#### TE Connectivity

- Agastat
- Alcoswitch
- AMP
- Augat
- Axicom
- CII Technologies
- Corcom
- DEUTSCH
- Elcon
- ERNI
- Hartman
- HTS
- Kemtron
- Kilovac
- Laird Antennas
- Madison Cable
- Measurement Specialties
- Microdot
- Nanonics
- OEG
- Potter & Brumfield
- Products Unlimited
- Raychem
- Schaffner
- Schrack
- Seacon

### TT Electronics

- BI Technologies
- IRC
- OPTEK
- Semelab
- Welwyn

#### Vishay

- Angstrohm
- Ametherm
- Barry Industries
- BCcomponents
- Beyschlag
- Cera-Mite
- Dale
- Draloric
- Electro-Films
- Huntington/Milwaukee
- Roederstein
- Semiconductors
- Sfernice
- Siliconix
- Spectrol
- Sprague
- Tansitor
- Techno
- Thin Film
- Vitramon

#### VPG Foil Resistors

#### WIMA

#### YAGEO Group

- KEMET
- Nexensos
- Pulse
- XSemi

FILM	Bourns	KOA Speer	OHMITE	Panasonic	TE Connectivity	TT Electronics - IRC, Welwyn	Vishay	Vishay - Dale	Vishay - Sfernice	Vishay - Thin Film	Vishay Precision Group	YAGEO
<b>METAL FILM</b>												
Discrete Chip	●	●	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Flame Proof	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fusible	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Temperature	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Voltage	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Matched Sets			●				◆	◆			◆	
MELF/Cylindrical		◆		◆	◆	◆	◆	◆			◆	◆
Metal Film	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Metal Glaze		◆	◆			◆	◆	◆			◆	◆
Metal Oxide		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Precision	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thick Film Chip	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thin Film Chip	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trimmable				◆								◆
Voltage Divider		◆	◆				◆	◆				

POWER WIREWOUND CARBON & FOIL	Bourns	Eaton	KOA Speer	OHMITE	Panasonic	TE Connectivity	TT Electronics - IRC, Welwyn	Vishay	Vishay - Dale	Vishay - Huntington/Milwaukee	Vishay - Sfernice	Vishay Precision Group	YAGEO
<b>POWER/WIREWOUND</b>													
Brackets/Hardware	◆			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ceramic Composition	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Commercial	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Current Sense/ Low Resistance	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Grid				◆				◆	◆	◆	◆	◆	◆
Industrial	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Precision	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rheostat				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Special Purpose	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tubular				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vitreous Enamel				◆			◆	◆	◆	◆	◆	◆	◆
<b>CARBON</b>													
Carbon Composition				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Carbon Film			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>FOIL</b>													
Bulk Metal Foil	◆												◆

POTENTIOMETERS TRIMMERS	Bourns	Honeywell	OHMITE	Panasonic	TE Connectivity	TT Electronics - BI Technologies	Vishay	Vishay - Dale	Vishay - Sfernice	Vishay - Spectrol	Vishay Precision Group
<b>TRIMMING POTENTIOMETERS</b>											
Adjustment Tools	◆						◆	◆	◆	◆	◆
Carbon	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cermet	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Counters			◆			◆	◆	◆	◆	◆	◆
Multi-Turn	◆					◆	◆	◆	◆	◆	◆
Open Frame	◆					◆	◆	◆	◆	◆	◆
Sealed Frame	◆					◆	◆	◆	◆	◆	◆
Single-Turn	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆
Wirewound	▲	◆		◆	◆	◆	◆	◆	◆	◆	◆

PRECISION PANEL CONTROL	Bourns	Eaton	KOA Speer	OHMITE	Panasonic	TE Connectivity	TT Electronics - IRC, Welwyn	Vishay	Vishay - Dale	Vishay - Sfernice	Vishay Precision Group	YAGEO
<b>WIREWOUND SENSOR/ENCODER</b>												
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	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>ATTENUATOR</b>												
Encoders	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆
Linear Motion	◆						◆	◆	◆	◆	◆	◆
Rotary	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

NETWORK	Bourns	Eaton	KOA Speer	Panasonic	TE Connectivity	TT Electronics - IRC, Welwyn	Vishay	Vishay - Dale	Vishay - Sfernice	Vishay - Thin Film	Vishay Precision Group	YAGEO
<b>ARRAY</b>												
Array	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Conformal Coated	◆		◆				◆	◆	◆	◆	◆	◆
Custom	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Integrated Passive	◆		◆				◆	◆	◆	◆	◆	◆
Ladder							◆	◆	◆	◆	◆	◆
Line Protection	◆	◆					◆	◆	◆	◆	◆	◆
Molded	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Resistor/Capacitor		◆					◆	◆	◆	◆	◆	◆
SMT	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Surge	◆	◆					◆	◆	◆	◆	◆	◆
Thick Film DIP	◆						◆	◆	◆	◆	◆	◆
Thick Film SIP	◆				◆		◆	◆	◆	◆	◆	◆
Thin Film DIP	◆	◆					◆	◆	◆	◆	◆	◆
Thin Film SIP	◆						◆	◆	◆	◆	◆	◆

ALUMINUM	Eaton	KEMET	Knowles/CDE	KYOCERA AVX	Murata	Nichicon	Panasonic	TAIYO YUDEN	TDK - EPCOS	United Chemi Con	Vishay BCcomponents
AC Motor Start		◆	◆								
Axial Electrolytic		◆	◆						◆	◆	◆
EDLC/Supercapacitor		◆	◆	◆						◆	◆
Flatpack Electrolytic		◆	◆	◆							
Polymer	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Radial Miniature		◆	◆				◆	◆	◆	◆	◆
Screw Terminal		◆	◆				◆	◆	◆	◆	◆
Snap-In		◆	◆				◆	◆	◆	◆	◆
Surface Mount		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

FILM & MICA	Eaton	KEMET	Knowles/CDE	KYOCERA AVX	Nichicon	Panasonic	TDK - EPCOS	Vishay	Vishay BCcomponents	Vishay Roederstein	WIMA
<b>FILM</b>											
Motor Run		◆	◆		◆		◆				
Polyester		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Polypropylene		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Power Film	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Snubber	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Suppression X-Y (Safety Cap)	◆	◆	◆				◆	◆	◆	◆	◆
Surface Mount	◆	◆	◆				◆	◆	◆	◆	◆
<b>MICA</b>											
Metal Clad			◆								
Mica			◆								
Surface Mount			◆								

CERAMIC	KEMET	Knowles/CDE	KYOCERA AVX	Murata	Spectrum Control	TAIYO YUDEN	TDK	Vishay BCcomponents	Vishay - Ceramite	Vishay Roederstein	Vishay - Vitramon	United Chemi Con	YAGEO
Arrays	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dip 2-Pin		◆	◆										
Disc	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Cap	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Q	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Temperature	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
High Voltage	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Low Inductance		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Multilayer	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
RF/Microwave	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Safety	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Single Layer	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Switch Mode	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tip and Ring	◆	◆	◆					◆	◆	◆	◆	◆	◆
Trimmer	◆	◆											

TANTALUM	KEMET	KYOCERA AVX	Panasonic	Vishay
Conformal Coated Chip	◆			◆
Dipped Radial	◆	◆		



### PROTECTION DEVICES

	Bourns	Chemi Con	Eaton	KOA Speer	KYOCERA AVX	Littelfuse	Murata	Panasonic	ROHM Semiconductor	TDK	TDK - EPCOS	Vishay	YAGEO	YAGEO Nexensos
<b>OVER CURRENT</b>														
Automotive (Blade) Fuses			◆		◆									
Axial Fuses	◆	◆			◆									
Cartridge Fuses	◆	◆			◆									
Electronic Current Limiters	◆				◆									
Fuse Blocks	◆	◆			◆									
Fuse Holders	◆	◆			◆									
NTC Thermistors	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Power Distribution Modules			◆		◆									
Power (Electrical) Fuses	◆	◆			◆									
PTC Thermistors	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Radial Leaded Resettable Fuses (PTC)	◆	◆			◆					◆	◆	◆	◆	◆
Radial Subminiature Fuses		◆			◆									
Surface Mount Resettable Fuses (PTC)	◆	◆			◆								◆	
Surface Mount Fuses	◆	◆	◆	◆	◆							◆		
Thermal Cutoffs (TCO)/Overtemperature (OTP)	◆				◆									◆
Thin Film (Chip) Fuses	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>OVER VOLTAGE</b>														
Gas Discharge Tube (GDT)	◆	◆			◆					◆	◆	◆	◆	◆
Hybrid GDT/MOV	◆	◆			◆					◆	◆	◆	◆	◆
Line Protection Networks	◆				◆									◆
Polymer ESD Suppression		◆	◆	◆	◆									
Protection Thyristors	◆				◆									◆
Surface Mount Varistors (MLV)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Surge Product Devices (SPD)	◆	◆			◆									
Thermal MOV		◆			◆									◆
Through-Hole Varistors (MOV)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
TVS Diodes	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
TVS Diodes Arrays	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

● Lead & Lead-free compliant parts available. ◆ Lead-free only parts available.

### PIEZO FILM SENSORS

	Murata	TDK	TE Connectivity
Sound Devices			
Buzzer	●	●	
Piezo	●	●	
Receiver	●		
Ringer	●		
Sensor	●	●	◆
Sounder	●		
Speaker	●		

### THERMAL MANAGEMENT

	OHMITE	Panasonic
Extruded Heatsinks	●	
Liquid Coldplates	●	
Liquid Cooling	●	
Thermal Gap Filler/Paste		
Thermal Solutions Graphite Sheets		●

### TIMING DEVICES

	Abracon	Eaton	KYOCERA AVX	Murata	Spectrum Control	Vishay - Dale
Frequency Control						
Crystals	●	●	●	●	●	●
Oscillators	●	●	●	●	●	●
Resonators	●	●	●	●	●	●
Tuning Forks	●					
Precision Timing	●					

### POWER CONVERSION

	Murata Power Solutions	Eaton	OMRON Automation & Safety	PANJIT	Phoenix Contact	ROHM Semiconductor	TDK	Vishay
AC/DC Power Supplies	◆	◆	◆	◆	◆	◆	◆	◆
DC/DC Power Converters	◆	◆	◆	◆	◆	◆	◆	◆
DC/AC Power Inverters	◆	◆						

### CIRCUIT BREAKERS

	Carling Technologies (Littelfuse)	Eaton	Littelfuse	Phoenix Contact	Sensata (Airpax)	TE Connectivity
Automotive		◆	◆			
Electronic Circuit Breaker				◆		
Ground Fault Circuit Breakers	◆					
Hydraulic/Magnetic Circuit Breakers	◆			◆	◆	◆
Thermal Circuit Breakers	◆			◆	◆	◆
Thermal Magnetic				◆		

### FILTERS

	Abracon	Amphenol RF	Delevan	Eaton	KEMET - NEC TOKIN	Knowles	KYOCERA AVX	Molex	Murata	Panasonic	Phoenix Contact	Pulse	Spectrum Control	TAIYO YUDEN	TDK - EPCOS	TE Connectivity	TE Connectivity	TE Connectivity	TE Connectivity	TE Connectivity	Vishay - Barry	YAGEO	
EMI/RFI																							
RF Filters																							
RF Wireless																							
Amplifiers																							
Antennas	●	●																					
Attenuators																							
Couplers																							
EMI/RFI Filters	●	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Feed-Thru Filters																							
Noise Suppression Sheets			◆	◆																			
RF/Microwave Filters	◆		◆																				
RF Module																							
SAW Filters	●					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Surface Mount Filters	●																						

### MAGNETICS

	Abracon	Bourns - JW Miller	Delevan	Eaton	Gowanda	iNRCORE	iNRCORE Vanguard	KEMET - NEC TOKIN	KYOCERA AVX	Murata	Panasonic	Pulse	Spectrum Control	TAIYO YUDEN	TDK - EPCOS	TT Electronics - BI Technologies	Vishay - Dale
Ferrites																	
Inductors																	
Transformers																	
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	●	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆





	3M	Amphenol	Amphenol Communications Solutions (ACS)/Amphenol Commercial/FCI/TCS	Amphenol IPCD	Amphenol Positronic	Bourns	HARTING	Harwin	ITT Cannon	KYOCERA AVX - Elco	Molex	OMRON	Panasonic	Samtec	Souriau (Eaton)	TE Connectivity
<b>BACKPLANE</b>																
BOARD-TO-BOARD																
DEVICE-TO-BOARD																
<b>BACKPLANE</b>																
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			◆								◆					◆
VPX (Ruggedized, Embedded)	◆														◆	◆
<b>BOARD-TO BOARD</b>																
Ball Grid Array (BGA)	◆	◆	◆							◆						◆
Battery Connectors			◆			◆	◆	◆	◆	◆	◆					◆
Board Stacking	◆	◆	◆				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Breakaway Headers	◆	◆	◆				◆			◆				◆	◆	◆
Compression	◆	◆	◆				◆			◆	◆			◆	◆	◆
Headers & Receptacles	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mezzanine/FPC	◆		◆	◆			◆			◆	◆	◆	◆	◆	◆	◆
Power	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
SCSI	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Shunts	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Stacking	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>DEVICE TO-BOARD</b>																
AOC Assemblies	◆	◆	◆							◆						◆
DIMM			◆							◆	◆					◆
DIP	◆	◆	◆				◆				◆					◆
High-Speed Cable Assemblies	◆	◆	◆								◆			◆	◆	◆
PCMCIA	◆	◆	◆								◆					◆
PGA	◆	◆	◆								◆					◆
PLCC	◆	◆	◆				◆							◆	◆	◆
Rambus																◆
RIMM/DIMM/SIMM			◆								◆					◆
SIP	◆						◆									◆
Slot 1 & 2																◆
SO DIMM & RIMM			◆							◆	◆					◆
Test/Burn-In Sockets	◆															◆
Transistor																◆

◆ Lead & Lead-free compliant parts available. ◆ Lead-free only parts available.

	3M	Amphenol Aerospace	Amphenol RF	Amphenol SV Microwave	Apiv (formerly Delphi)	ITT Cannon - Micro Mode	Molex	Samtec	Switchcraft Conxall	TE Connectivity
<b>RF/COAXIAL/ MICROWAVE</b>										
1.0/2.3			◆				◆	◆		◆
1.6/5.6			◆				◆			◆
7/16			◆				◆			◆
Attenuators						◆				
BMA				◆			◆			◆
BNC (50/75Ω)			◆	◆			◆	◆	◆	◆
BNC (Miniature)			◆				◆	◆	◆	◆
B to B Blindmate/Compression				◆		◆	◆			◆
BSA			◆	◆			◆			◆
FAKRA			◆	◆			◆			◆
Hermetic						◆				
MCX/MMCX			◆				◆	◆		◆
MHV/SHV			◆				◆	◆		◆
Microwave Cable Assemblies							◆			
Precision <sup>1</sup>			◆				◆	◆		◆
QMA			◆				◆			◆
Reverse Polarity <sup>2</sup>			◆				◆			
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			◆				◆			◆

<sup>1</sup> 2.4/2.9/3.5/7mm  
<sup>2</sup> BNC, MMCX, N, SMA, TNC

	3M	Amphenol	Amphenol Solutions (ACS)/FCI	C&K Components	KYOCERA AVX - Elco	Molex	TE Connectivity
<b>MEMORY CARD CONNECTORS</b>							
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		◆					◆

CompactFlash™ is a trademark of the Compact Flash Association





TERMINAL BLOCKS	Amphenol PCD	Eaton	HARTING	Molex - Beau	Phoenix Contact	Souriau (Eaton)	Spectrum Control	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	◆			◆	◆			◆

AUDIO	Amphenol Audio	Amphenol Nexus	Amphenol Tuchel	Spectrum Control	Switchcraft Conxall	TE Connectivity
1/4" Phone (T Series, M Series and Jacks)	◆					◆
1/4" Phone Switch Plug	◆					◆
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	◆					◆
XLNet Series Cable	◆					
XLNet Series PCB/Chassis Mount	◆					

◆ Lead-free only parts available.

INPUT/OUTPUT	3M	Abrakon	Amphenol	Amphenol Communications Solutions (ACS)/Amphenol Commercial/FCI	Amphenol PCD	Amphenol CONEC	Amphenol Positronic	Carlisle Interconnect Tri Star	Glenair	HARTING	Harwin	ITT Cannon	KYOCERA AVX - Elco	Molex	OMRON	Phoenix Contact	Pulse	Samtec	Souriau (Eaton)	Spectrum Control	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			◆	◆	◆	◆	◆			◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

InfiniBand® is a trademark of the InfiniBand Trade Association







RELAYS	KEMET NECTOKIN	Littelfuse	Cole Hersee	Hamlin	Hartland	IXYS	OMRON	Panasonic	Phoenix Contact	Crydom	Cynergy	Gigavac	TDK	TE Connectivity
Automotive		◆					◆	◆						◆
Communication	◆						◆	◆						◆
Compressor				◆										◆
Contactors	◆						◆	◆				◆	◆	◆
Crystal Can														◆
Definite Purpose Contactors				◆										◆
DIN Rail Mounted							◆	◆	◆	◆				◆
Dry Reed			◆											◆
Forcibly-Guided Contact							◆	◆	◆					◆
General Purpose							◆	◆	◆			◆		◆
High-Voltage Switching							◆	◆	◆	◆	◆			◆
Industrial DC & AC							◆	◆	◆	◆	◆			◆
Input/Output Modules							◆	◆	◆					◆
Low-Signal PCB	◆						◆	◆						◆
Magnetic Latching	◆						◆	◆						◆
Military														◆
Miniature PCB							◆	◆	◆					◆
Monitoring							◆	◆	◆					◆
MOSFET						◆	◆	◆			◆			◆
Panel/Plug-In							◆	◆	◆					◆
Phase Sequencing														◆
Power							◆	◆	◆	◆				◆
Power Controllers														◆
Power Distribution Panels														◆
Power Modules										◆				◆
Power PCB							◆	◆	◆					◆
Programmable Time Delay							◆	◆	◆					◆
Protective							◆	◆						◆
Reed			◆								◆			◆
Reverse Power														◆
RF							◆	◆			◆			◆
Rotary														◆
Safety							◆	◆	◆					◆
Signal	◆						◆	◆	◆					◆
Sockets							◆	◆						◆
Solid State		◆	◆				◆	◆	◆	◆	◆			◆
Time Delay							◆	◆	◆					◆
Timers							◆	◆	◆					◆
TO-5														◆
Traffic Control														◆

SWITCHES	Bourns	C&K Components	Carling Technologies (Littelfuse)	Eaton	Honeywell	Hamlin	OMRON	Panasonic	Sensata (Airpax)	TE Connectivity
Anti-Vandal		◆	◆							◆
Contact Block							◆		◆	◆
Detector		◆					◆	◆		◆
DIP	◆	◆					◆			◆
E Stop					◆					◆
Encoder		◆		◆			◆			◆
Fader										
Industrial		◆	◆	◆	◆		◆			◆
Keylock		◆					◆			◆
Keypad		◆			◆					◆
Knobs							◆			◆
Limit					◆		◆			◆
Membrane Keypad										
Navigation		◆	◆							
Optical					◆		◆			
Paddle		◆	◆							◆
Panel Mount		◆	◆	◆	◆		◆			◆
Power Rocker		◆	◆					◆		◆
Pressure Switch					◆					
Pushbutton	◆	◆	◆	◆	◆		◆	◆	◆	◆
Pushwheel		◆								◆
Reed										
Rocker		◆	◆	◆			◆			◆
Rotary	◆	◆	◆	◆	◆		◆	◆	◆	◆
Safety		◆		◆			◆			◆
Selector		◆		◆			◆			◆
Slide		◆	◆							◆
Smart Display										
Snap Action		◆	◆	◆	◆		◆	◆	◆	◆
Special Purpose		◆	◆	◆	◆		◆	◆	◆	◆
Switchlock		◆								◆
Surface Mount	◆	◆	◆	◆	◆		◆	◆	◆	◆
Tactile	◆	◆					◆	◆	◆	◆
Thumbwheel		◆					◆			◆
Tilt		◆								
Toggle		◆	◆	◆	◆					◆
Vacuum				◆						

◆ Lead-free only parts available.

SENSORS

MOTION/POSITION/SPEED

	Amphenol Advanced Sensors	Amphenol All Sensors	Amphenol Pihler Sensing Systems	Amphenol SGX	Bourns	Eaton	Honeywell	KEMET	KOA Speer	KYOCERA AVX	Littelfuse (Hamlin, US Sensor)	Molex/Contrinex	Murata	OHMITE	OMRON Automation & Safety	OMRON Components	Panasonic	Phoenix Contact	ROHM Semiconductor	Sensata (BEI Sensors, Cynergy3, Kavlico)	TDK/JEPCOS	TE Connectivity Sensor Solutions	TT Electronics	Vishay	Sfernice
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

	Amphenol Advanced Sensors	Amphenol All Sensors	Amphenol Pihler Sensing Systems	Amphenol SGX	Bourns	Eaton	Honeywell	KEMET	KOA Speer	KYOCERA AVX	Littelfuse (Hamlin, US Sensor)	Molex/Contrinex	Murata	OHMITE	OMRON Automation & Safety	OMRON Components	Panasonic	Phoenix Contact	ROHM Semiconductor	Sensata (BEI Sensors, Cynergy3, Kavlico)	TDK/JEPCOS	TE Connectivity Sensor Solutions	TT Electronics	Vishay	Sfernice	
Ambient Light/Proximity																			◆	◆				◆	◆	
Optoelectronics (including Infrared)	◆		◆						◆					◆		◆	◆			◆				◆	◆	◆
Photoelectric/Safety												◆				◆				◆				◆	◆	◆
Color																									◆	◆
Time of Flight																◆										◆
UAV/Solar	◆																									◆

PRESSURE/FORCE/FLOW

	Amphenol Advanced Sensors	Amphenol All Sensors	Amphenol Pihler Sensing Systems	Amphenol SGX	Bourns	Eaton	Honeywell	KEMET	KOA Speer	KYOCERA AVX	Littelfuse (Hamlin, US Sensor)	Molex/Contrinex	Murata	OHMITE	OMRON Automation & Safety	OMRON Components	Panasonic	Phoenix Contact	ROHM Semiconductor	Sensata (BEI Sensors, Cynergy3, Kavlico)	TDK/JEPCOS	TE Connectivity Sensor Solutions	TT Electronics	Vishay	Sfernice	
Flow (Air/Gas)	◆															◆				◆				◆	◆	◆
Force															◆											◆
Load Cell/Load Pin																										◆
Pressure (Heavy Duty, Transducer)	◆									◆					◆					◆	◆	◆	◆	◆	◆	◆
Pressure (SMT/THT)	◆	◆								◆	◆				◆	◆	◆			◆	◆	◆	◆	◆	◆	◆

ENVIRONMENTAL

	Amphenol Advanced Sensors	Amphenol All Sensors	Amphenol Pihler Sensing Systems	Amphenol SGX	Bourns	Eaton	Honeywell	KEMET	KOA Speer	KYOCERA AVX	Littelfuse (Hamlin, US Sensor)	Molex/Contrinex	Murata	OHMITE	OMRON Automation & Safety	OMRON Components	Panasonic	Phoenix Contact	ROHM Semiconductor	Sensata (BEI Sensors, Cynergy3, Kavlico)	TDK/JEPCOS	TE Connectivity Sensor Solutions	TT Electronics	Vishay	Sfernice	
Fine Particle	◆																		◆	◆	◆	◆	◆	◆	◆	◆
CO2 and VOC	◆		◆											◆		◆				◆				◆	◆	◆
Digital Combination	◆	◆										◆				◆								◆	◆	◆
Gas	◆		◆																							◆
Humidity							◆			◆	◆					◆										◆
NTC & PTC Thermistors	◆						◆		◆	◆	◆	◆	◆			◆								◆	◆	◆
Temperature Sensing Probes & Assemblies	◆									◆	◆	◆	◆											◆	◆	◆
RTD	◆									◆	◆	◆	◆			◆								◆	◆	◆
Infrared/Thermopiles	◆								◆							◆	◆							◆	◆	◆
Thermocouple	◆															◆								◆	◆	◆

OTHER

	Amphenol Advanced Sensors	Amphenol All Sensors	Amphenol Pihler Sensing Systems	Amphenol SGX	Bourns	Eaton	Honeywell	KEMET	KOA Speer	KYOCERA AVX	Littelfuse (Hamlin, US Sensor)	Molex/Contrinex	Murata	OHMITE	OMRON Automation & Safety	OMRON Components	Panasonic	Phoenix Contact	ROHM Semiconductor	Sensata (BEI Sensors, Cynergy3, Kavlico)	TDK/JEPCOS	TE Connectivity Sensor Solutions	TT Electronics	Vishay	Sfernice	
Current		◆							◆	◆										◆	◆			◆	◆	◆
Fluid Quality & Liquid Level												◆	◆		◆										◆	◆



OPTOELECTRONICS	Dialight	KYOCERA Display	Littelfuse IXYS	ROHM Semiconductor	TT Electronics - OPTTEK	Vishay
High-Voltage Isolators					◆	◆
Infrared Emitters						◆
Infrared Sensors/Receivers						◆
LCD Modules						◆
LEDs - Indication	◆	◆	◆	◆	◆	◆
LEDs Illumination <1W	◆	◆	◆	◆	◆	◆
LEDs - Illumination >1W						
LEDs - UV						◆
LED Displays		◆				◆
LED Drivers				◆		
LED Modules						
Light Pipes	◆					
OLED Displays						◆
Optical Sensing				◆	◆	◆
Optocouplers				◆	◆	◆
Panel Mount Indictors	◆	◆				
Solid State Relays			◆			◆
TFT Displays		◆				◆
TFT Displays						◆

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

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

POWER SEMICONDUCTORS	Bourns	Eaton	Littelfuse IXYS	Littelfuse Teccor	KYOCERA AVX	PANJIT	ROHM Semiconductor	TT Electronics - Semelab	Vishay	YAGEO
<b>DIODES</b>										
Arrays	◆			◆			◆	◆	◆	
ESD	◆			◆			◆	◆	◆	
Schottky			◆		◆	◆	◆	◆	◆	
Small Signal	◆			◆		◆	◆	◆	◆	
TVS	◆	◆			◆	◆	◆	◆	◆	◆
Silicon Carbide (SiC)	◆		◆				◆	◆	◆	
Zener	◆			◆		◆	◆	◆	◆	
<b>RECTIFIERS</b>										
Bridge	◆		◆	◆		◆	◆	◆	◆	
Rectifiers	◆		◆	◆		◆	◆	◆	◆	
Schottky	◆		◆	◆		◆	◆	◆	◆	
<b>THYRISTORS</b>										
Protection	◆			◆					◆	
Switching (SCRs, Triacs)				◆	◆				◆	
<b>TRANSISTORS</b>										
Bipolar							◆	◆	◆	
Small Signal							◆	◆	◆	
<b>IGBTs</b>										
Discrete	◆		◆				◆	◆		
Modules			◆					◆	◆	
<b>MOSFETS</b>										
Gallium Nitride (GaN)							◆			
High Voltage			◆				◆	◆	◆	
Low Voltage			◆				◆	◆	◆	◆
Modules							◆	◆	◆	
Silicon Carbide (SiC)			◆				◆	◆	◆	

ANTENNAS			Abrakon	Amphenol	Spectrum Control	KYOCERA AVX	Murata	Pulse/YAGEO	TAIYO YUDEN	TDK	TE Connectivity	
Application	Type	Frequency (MHz)										
Cellular	Chip*	698-960	◆		◆	◆	◆	◆	◆	◆	◆	
		1710-2690	◆		◆	◆	◆	◆	◆	◆	◆	
		2500-2700	◆		◆	◆	◆	◆	◆	◆	◆	
		PentaBand	◆		◆	◆	◆	◆	◆	◆	◆	
	Octaband	◆		◆	◆	◆	◆	◆	◆	◆	◆	
	FPC/PCB	698-960	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
		1710-2690	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
		2500-2700	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
		PentaBand	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
	Octaband	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
	External	698-960	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
		1710-2690	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
		2500-2700	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
		PentaBand	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
	Octaband	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
	Outdoor	698-960	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
1710-2690		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
2500-2700		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
PentaBand		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
Octaband	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆		
Vehicular	698-960		◆	◆	◆	◆	◆	◆	◆	◆	◆	
	1710-2690		◆	◆	◆	◆	◆	◆	◆	◆	◆	
	2500-2700		◆	◆	◆	◆	◆	◆	◆	◆	◆	
	PentaBand		◆	◆	◆	◆	◆	◆	◆	◆	◆	
Octaband		◆	◆	◆	◆	◆	◆	◆	◆	◆		
5G	Multiple Types	Multiple	◆		◆	◆	◆	◆	◆	◆		

\*SMD/MT

● Lead & Lead-free compliant parts available. ◆ Lead-free only parts available. ■ MIL Spec Discretes (DSCC)

ANTENNAS			Abrakon	Amphenol	Spectrum Control	KYOCERA AVX	Murata	Pulse/YAGEO	TDK	TE Connectivity		
Application	Type	Frequency (MHz)										
GPS	Chip*	1575	◆		◆	◆	◆	◆	◆	◆		
		1500-1600	◆		◆	◆	◆	◆	◆	◆		
		1227.6/1176 (L2/L5)	◆		◆	◆	◆	◆	◆	◆		
		1227	◆		◆	◆	◆	◆	◆	◆		
	Passive Patch	1575	◆	◆	◆	◆	◆	◆	◆	◆	◆	
		1575/1598-1606	◆	◆	◆	◆	◆	◆	◆	◆	◆	
		1592 Inmarsat			◆	◆					◆	
		1615 Globalstar			◆	◆						
		1621 Iridium	◆		◆	◆						
		2338 SDARS	◆		◆	◆						
		1227.6/1176 (L2/L5)	◆		◆	◆	◆	◆	◆	◆	◆	
		1176	◆		◆	◆	◆	◆	◆	◆	◆	
		FPC/PCB	558-1610	◆	◆	◆	◆	◆	◆	◆	◆	
		Internal Active w/cable	1575/1592-1610	◆	◆	◆	◆	◆	◆	◆	◆	
		External Active w/cable	1575	◆	◆	◆	◆	◆	◆	◆	◆	◆
			1575/1594-1610	◆	◆	◆	◆	◆	◆	◆	◆	◆
1164-1610	◆			◆	◆	◆	◆	◆	◆	◆		
External	1575	◆	◆	◆	◆	◆	◆	◆	◆			
Combo	GPS + Wi-Fi	1575/2400	◆	◆	◆	◆	◆	◆	◆	◆		
	GPS + Dual Wi-Fi	1575/1602, 2400/5000	◆	◆	◆	◆	◆	◆	◆	◆		
	Ext Active Cellular + GPS	Multiple	◆	◆	◆	◆	◆	◆	◆	◆		
	External Cellular + GPS	Multiple	◆	◆	◆	◆	◆	◆	◆	◆		
RFID	NFC Tag	13.56	◆			◆	◆					
	RFID Tag	865-928	◆			◆	◆					
	RFID Tag Antenna	865-928	◆			◆	◆					
	RFID Reader Antenna	868, 915	◆	◆	◆	◆	◆	◆	◆	◆		
ISM	Chip*	169						◆				
		315					◆		◆			
		433					◆		◆			
		868					◆		◆			
	915	◆		◆	◆	◆	◆	◆	◆	◆		
	FPC/PCB	433				◆			◆			
		868	◆		◆	◆	◆	◆	◆	◆	◆	
		915	◆		◆	◆	◆	◆	◆	◆	◆	
		433	◆		◆	◆	◆	◆	◆	◆	◆	
	External	868	◆		◆	◆	◆	◆	◆	◆	◆	
		915	◆		◆	◆	◆	◆	◆	◆	◆	
		868	◆		◆	◆	◆	◆	◆	◆	◆	
		868/900	◆		◆	◆	◆	◆	◆	◆	◆	
	915	◆		◆	◆	◆	◆	◆	◆	◆		
	Chip*	2400	◆			◆	◆	◆	◆	◆	◆	
		5000	◆			◆	◆	◆	◆	◆	◆	
Dual-Band Wi-Fi					◆	◆	◆	◆	◆	◆		
Tri-Band Wi-Fi (2400/5000/6000)							◆					
FPC/PCB	2400	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	5000	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	Dual-Band Wi-Fi	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	Tri-Band Wi-Fi (2400/5000/6000)							◆				
External	2400	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	5000	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	Dual-Band Wi-Fi	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	Tri-Band Wi-Fi (2400/5000/6000)	◆	◆					◆	◆	◆		
Outdoor	2400	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	5000	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	Dual-Band Wi-Fi	◆	◆	◆	◆	◆	◆	◆	◆	◆		
	Tri-Band Wi-Fi (2400/5000/6000)	◆	◆					◆	◆	◆		
Wireless Charge Coil	Tx							◆				
	Rx							◆				

\*SMD/MT





The IP&E Specialist

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