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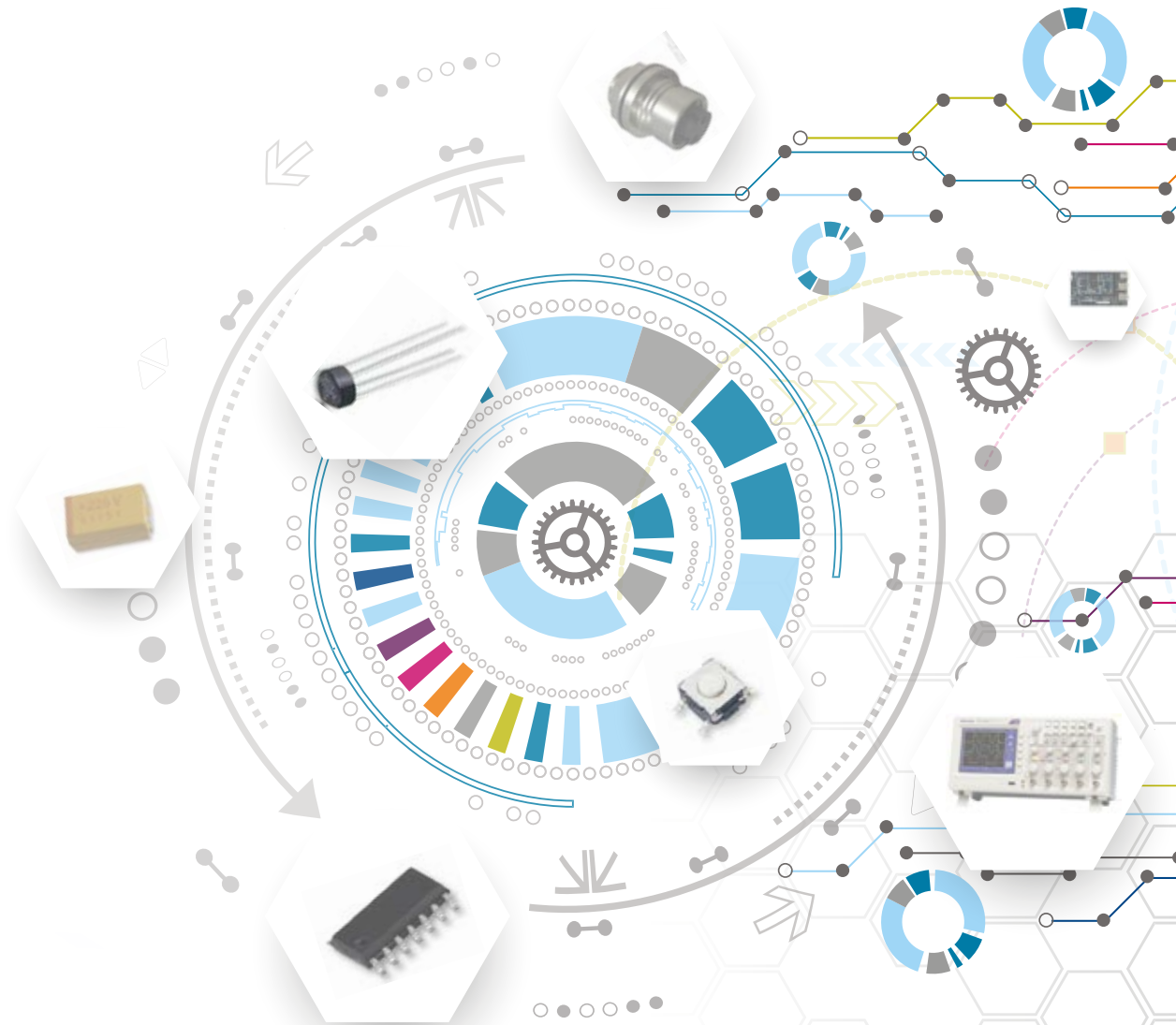


element14

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- Stan



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## CONTENTS



> Connectors & Cables

4

PAGE



> Semiconductor & Development Tools

6

PAGE



> Optoelectronics

9

PAGE



> Passives

11

PAGE



> Electromechanical

13

PAGE



> Test, Measurement & Tools

17

PAGE



> Soldering & Desoldering

19

PAGE



> Static Protection & Production Supplies

20

PAGE



> Single Board Computers & Software

21

PAGE

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- Widest range of industrial and military grade circular connectors from leading connector suppliers

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- Wide range of reliable cable glands, cable ties and heat shrink to protect your connectivity



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- New volume price break structure displaying up to 8 price breaks now available
  - ideal for volume production
- Full reel production packaging for Discrete, Analog and Logic products



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## ICS

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■ Available in Tape and Full Reel quantities

## Embedded Processor

| PRODUCT CATEGORY   |     | Cypress | Infineon | Microchip | NXP | Renesas | Silicon Laboratories | STMicroelectronics | Texas Instruments | Xilinx |
|--------------------|-----|---------|----------|-----------|-----|---------|----------------------|--------------------|-------------------|--------|
| EMBEDDED PROCESSOR | MCU | ■       | ■        | ■         | ■   | ■       | ■                    | ■                  | ■                 |        |
|                    | MPU | ■       |          |           | ■   |         |                      |                    | ■                 | ■      |
|                    | DSC |         |          | ■         |     |         |                      |                    | ■                 |        |
|                    | DSP |         |          |           |     |         |                      |                    | ■                 |        |

## Tools

| PRODUCT CATEGORY         |          | Altium | ARM | Cadsoft | Cypress | Digilent | Infineon | Maxim | Microchip | Nordic | NXP | Renesas | Segger | Silicon Laboratories | Smartec | STMicroelectronics | Texas Instruments | Xilinx |
|--------------------------|----------|--------|-----|---------|---------|----------|----------|-------|-----------|--------|-----|---------|--------|----------------------|---------|--------------------|-------------------|--------|
| DEVELOPMENT KITS & TOOLS | Dev Kits |        |     |         | ■       | ■        | ■        | ■     | ■         | ■      | ■   | ■       |        | ■                    | ■       | ■                  | ■                 | ■      |
|                          | Software | ■      | ■   | ■       | ■       |          |          |       | ■         |        | ■   |         | ■      | ■                    |         | ■                  | ■                 | ■      |

## Discretes

Discretes

| PRODUCT CATEGORY |                                     | Advanced Power Electronics Corp | Broadcom | AVX / Kyocera | Bourns | Crydom | Diodes Inc. | Fuji Electric | Genesic | Infineon | IXYS Semiconductor | Littelfuse | Micro Commercial Components | Mitsubishi | Multicomp | Nexperia | NTE | NXP | On Semiconductor | Panasonic | Powerex | Renesas | Rohm | Semelab | Semikron | Semtech | STMicroelectronics | Taiwan Semiconductor | Texas Instruments | Vishay | WeEn | Wolfspeed | Wurth Elektronik |  |
|------------------|-------------------------------------|---------------------------------|----------|---------------|--------|--------|-------------|---------------|---------|----------|--------------------|------------|-----------------------------|------------|-----------|----------|-----|-----|------------------|-----------|---------|---------|------|---------|----------|---------|--------------------|----------------------|-------------------|--------|------|-----------|------------------|--|
| DISCRETES        | Diodes - Bridge Rectifier           |                                 |          |               |        |        | ■           |               |         |          | ■                  |            | ■                           |            | ■         | ■        | ■   |     | ■                |           |         |         |      |         | ■        |         |                    | ■                    |                   | ■      |      |           |                  |  |
|                  | Diodes - Power Module               |                                 |          |               |        | ■      |             |               | ■       |          | ■                  |            |                             | ■          |           |          | ■   |     |                  |           | ■       |         |      |         | ■        |         |                    |                      |                   |        |      | ■         |                  |  |
|                  | Diodes - Rectifier                  |                                 |          | ■             | ■      |        | ■           |               | ■       | ■        | ■                  |            | ■                           |            | ■         |          |     | ■   | ■                | ■         |         |         | ■    |         |          |         | ■                  | ■                    |                   | ■      | ■    |           |                  |  |
|                  | Diodes - RF                         |                                 | ■        |               |        |        |             |               |         | ■        |                    |            |                             |            |           |          |     | ■   |                  |           |         |         |      |         |          |         |                    |                      |                   |        |      | ■         |                  |  |
|                  | Diodes - Sic                        |                                 |          |               |        |        |             |               | ■       |          |                    |            |                             |            |           |          |     |     |                  |           |         |         |      |         |          |         |                    |                      |                   | ■      | ■    |           |                  |  |
|                  | Diodes - Small Signal               |                                 |          |               |        |        | ■           |               |         | ■        |                    |            | ■                           |            | ■         | ■        | ■   | ■   | ■                | ■         |         |         | ■    |         |          |         | ■                  |                      |                   | ■      |      |           |                  |  |
|                  | Diodes - Zener                      |                                 |          |               | ■      |        | ■           |               |         |          |                    |            | ■                           |            | ■         | ■        | ■   | ■   | ■                | ■         |         |         | ■    |         |          |         |                    | ■                    |                   | ■      |      |           |                  |  |
|                  | ESD Protection Devices              |                                 |          |               | ■      |        |             |               |         | ■        |                    | ■          | ■                           |            |           | ■        | ■   | ■   | ■                | ■         |         |         |      |         |          | ■       | ■                  |                      | ■                 | ■      |      |           |                  |  |
|                  | Transient Voltage Suppressors       |                                 |          |               | ■      |        | ■           |               |         | ■        |                    | ■          | ■                           |            | ■         | ■        | ■   | ■   | ■                | ■         |         |         |      |         |          | ■       | ■                  | ■                    |                   | ■      | ■    |           | ■                |  |
|                  | Transistors - MOSFET                | ■                               |          |               |        |        | ■           | ■             |         | ■        | ■                  |            | ■                           |            |           |          | ■   |     | ■                | ■         | ■       | ■       | ■    | ■       |          |         | ■                  | ■                    | ■                 | ■      | ■    |           |                  |  |
|                  | Transistors - IGBT Single           |                                 |          |               |        |        |             | ■             |         |          | ■                  | ■          |                             |            |           |          |     |     |                  | ■         |         |         |      |         |          |         | ■                  |                      |                   | ■      |      |           | ■                |  |
|                  | Transistors - IGBT Arrays & Modules |                                 |          |               |        |        |             | ■             |         | ■        |                    |            |                             | ■          |           |          |     | ■   | ■                |           | ■       |         |      |         | ■        |         |                    |                      |                   | ■      |      |           |                  |  |
|                  | Transistors - Bipolar (BJT) Single  |                                 |          |               |        |        | ■           |               | ■       | ■        |                    |            | ■                           |            | ■         | ■        |     |     | ■                | ■         |         |         | ■    | ■       |          |         | ■                  |                      |                   |        | ■    | ■         | ■                |  |
|                  | Transistors - Bipolar (BJT) Array   |                                 |          |               |        |        |             | ■             |         |          |                    |            |                             |            |           |          |     |     | ■                | ■         |         |         |      | ■       |          |         | ■                  |                      | ■                 |        |      |           |                  |  |
|                  | Thyristors                          |                                 |          |               |        | ■      |             |               |         |          |                    |            | ■                           |            |           |          |     | ■   | ■                | ■         |         | ■       |      |         | ■        |         | ■                  |                      |                   |        | ■    | ■         |                  |  |
|                  | Transient Protection Thyristors     |                                 |          |               | ■      |        |             |               |         |          |                    |            | ■                           |            |           |          |     |     |                  |           |         |         |      |         |          |         |                    |                      |                   |        |      |           |                  |  |
|                  | Triacs                              |                                 |          |               |        |        |             |               |         |          |                    |            | ■                           |            |           |          |     |     | ■                | ■         |         |         |      |         |          |         |                    | ■                    |                   |        |      | ■         |                  |  |

■ Available in Tape and Full Reel quantities



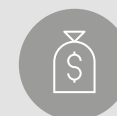
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| PRODUCT CATEGORY   |                             |                      | Abrakon | Ametherm | Avx | Bel fuse | Bourns | Citizen Finetech Miyota | Cornell Dubilier | Eaton (Cooper Bussmann) | ETI Systems | Fair-Rite | Ferrishield | Ferroxcube | Fox Electronics | Johanson | Kemet | Littelfuse | Mallory | Multicomp | Nichicon | Nidec Copal | Ohmite | Panasonic | Samsung | Schaffner | Schurter | Taiyo Yuden | TDK - Epcos | TE Connectivity | TT Electronics | TXC | United Chemi-Con | Vishay | VPG |   |
|--------------------|-----------------------------|----------------------|---------|----------|-----|----------|--------|-------------------------|------------------|-------------------------|-------------|-----------|-------------|------------|-----------------|----------|-------|------------|---------|-----------|----------|-------------|--------|-----------|---------|-----------|----------|-------------|-------------|-----------------|----------------|-----|------------------|--------|-----|---|
| AUDIO COMPONENTS   | Antennas                    |                      | ■       |          |     |          |        |                         |                  |                         |             |           |             |            |                 | ■        |       |            |         |           |          |             |        |           |         |           |          |             |             |                 |                |     |                  |        |     |   |
|                    | Transducers                 | Piezo Electric       |         |          |     |          |        |                         |                  |                         |             |           |             |            |                 |          |       |            | ■       | ■         |          |             |        |           |         |           |          |             |             | ■               |                |     |                  |        |     |   |
|                    |                             | Speakers / Receivers |         |          |     |          |        |                         |                  |                         |             |           |             |            |                 |          |       |            |         |           | ■        |             |        |           |         |           |          |             |             |                 |                |     |                  |        |     |   |
|                    |                             | Electromagnetic      |         |          |     |          |        |                         |                  |                         |             |           |             |            |                 |          |       |            |         | ■         | ■        |             |        |           |         |           |          |             |             |                 |                |     |                  |        |     |   |
| CAPACITORS         | Aluminium Electrolytic      |                      |         |          |     |          |        |                         | ■                |                         |             |           |             |            |                 |          | ■     |            |         | ■         | ■        |             |        | ■         |         |           |          |             |             | ■               |                |     |                  | ■      | ■   |   |
|                    | Ceramic Disc & Plate        |                      |         |          | ■   |          |        |                         |                  |                         |             |           |             |            |                 |          | ■     |            |         | ■         |          |             |        | ■         |         |           |          |             |             |                 |                |     |                  | ■      |     |   |
|                    | Film                        |                      |         |          | ■   |          |        |                         | ■                |                         |             |           |             |            |                 |          | ■     |            |         | ■         |          |             |        | ■         |         |           |          |             |             | ■               |                |     |                  | ■      |     |   |
|                    | Multilayer Ceramic          |                      |         |          | ■   |          |        |                         |                  |                         |             |           |             |            |                 |          | ■     | ■          |         | ■         |          |             |        | ■         |         | ■         |          | ■           | ■           |                 |                |     |                  | ■      |     |   |
|                    | Polymer                     |                      |         |          | ■   |          |        |                         |                  |                         |             |           |             |            |                 |          | ■     | ■          |         | ■         |          |             |        | ■         |         | ■         |          | ■           | ■           |                 |                |     |                  | ■      | ■   |   |
|                    | RF Ceramic                  |                      |         |          | ■   |          |        |                         |                  |                         |             |           |             |            |                 |          | ■     |            |         |           |          |             |        | ■         |         |           |          |             |             | ■               |                |     |                  | ■      |     |   |
|                    | SuperCaps                   |                      |         |          | ■   |          |        |                         |                  |                         | ■           |           |             |            |                 |          |       | ■          |         |           |          |             |        | ■         |         |           |          |             |             |                 |                |     |                  | ■      |     |   |
|                    | Suppression                 |                      |         |          |     |          |        |                         | ■                |                         |             |           |             |            |                 |          | ■     | ■          |         |           |          |             |        | ■         |         |           |          |             |             | ■               |                |     |                  | ■      |     |   |
| CIRCUIT PROTECTION | Tantalum                    |                      |         |          | ■   |          |        |                         |                  |                         |             |           |             |            |                 |          | ■     |            |         | ■         |          |             |        |           |         |           |          |             |             |                 |                |     |                  | ■      |     |   |
|                    | Filters                     |                      |         |          | ■   |          | ■      |                         |                  |                         |             |           |             |            |                 | ■        |       |            |         |           |          |             |        | ■         |         | ■         |          |             |             |                 | ■              |     |                  |        |     |   |
|                    | Gas Discharge Tubes         |                      |         |          |     |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            | ■       |           |          |             |        |           |         |           |          |             | ■           |                 |                |     |                  |        |     |   |
|                    | PTC Resettable Fuses        |                      |         |          |     | ■        | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            | ■       |           | ■        |             |        |           |         |           |          |             |             |                 |                |     |                  |        |     |   |
|                    | SMD Fuses                   |                      |         |          |     | ■        | ■      |                         |                  | ■                       |             |           |             |            |                 |          |       | ■          |         | ■         |          |             |        |           | ■       |           | ■        |             |             |                 |                |     |                  |        | ■   |   |
|                    | Thermistors                 |                      |         | ■        | ■   |          |        |                         |                  |                         |             |           |             |            |                 |          |       |            |         |           |          |             |        | ■         |         | ■         |          | ■           |             |                 |                |     |                  |        | ■   |   |
| MAGNETICS          | Varistors                   |                      |         | ■        | ■   |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       | ■          |         |           |          |             |        | ■         |         |           |          |             | ■           | ■               |                |     |                  |        | ■   |   |
|                    | EMC / Filters / Suppression |                      |         |          |     |          | ■      |                         |                  | ■                       |             | ■         | ■           | ■          |                 |          | ■     |            |         | ■         |          |             |        |           |         | ■         |          | ■           | ■           | ■               | ■              |     |                  |        | ■   |   |
|                    | Ferrite Beads               |                      |         |          |     |          |        |                         |                  |                         |             |           | ■           |            | ■               |          |       |            |         | ■         |          |             |        | ■         |         |           |          | ■           | ■           | ■               | ■              |     |                  |        |     | ■ |
| RESISTORS          | Inductors                   |                      | ■       |          |     |          |        |                         |                  | ■                       |             |           |             |            |                 | ■        | ■     |            |         | ■         |          |             |        | ■         |         | ■         |          |             |             | ■               | ■              | ■   |                  |        | ■   |   |
|                    | Film                        | Carbon Film          |         |          |     |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            |         | ■         |          |             |        | ■         |         |           |          |             |             |                 | ■              | ■   |                  |        | ■   |   |
|                    |                             | Metal Film           |         |          |     |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            |         | ■         |          |             |        | ■         | ■       |           |          |             |             |                 | ■              | ■   |                  |        | ■   | ■ |
|                    |                             | Thin Film            |         |          |     |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            |         | ■         |          |             |        | ■         | ■       |           |          |             |             |                 | ■              | ■   |                  |        | ■   |   |
|                    |                             | Thick Film           |         |          |     |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            |         | ■         |          |             |        | ■         | ■       |           |          |             |             |                 | ■              | ■   |                  |        | ■   |   |
|                    | Networks / Arrays           |                      |         |          |     |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            | ■       |           |          |             | ■      | ■         |         |           |          |             |             | ■               | ■              |     |                  |        | ■   | ■ |
|                    | Potentiometers              |                      |         |          |     |          | ■      |                         |                  |                         |             | ■         |             |            |                 |          |       |            | ■       |           |          | ■           |        | ■         | ■       |           |          |             |             | ■               | ■              |     |                  |        | ■   |   |
|                    | Rheostats                   |                      |         |          |     |          | ■      |                         |                  |                         |             | ■         |             |            |                 |          |       |            |         |           |          |             | ■      |           |         |           |          |             |             |                 | ■              | ■   |                  |        | ■   |   |
|                    | Trimmers                    |                      |         |          |     |          | ■      |                         |                  |                         |             |           |             |            |                 |          |       |            |         | ■         |          |             | ■      |           |         |           |          |             |             |                 | ■              | ■   |                  |        | ■   |   |
| Wirewound          |                             |                      |         |          |     | ■        |        |                         |                  |                         |             |           |             |            |                 |          |       |            | ■       |           |          |             | ■      |           |         |           |          |             |             | ■               | ■              |     |                  | ■      |     |   |
| TIMING DEVICES     | Oscillators                 | OCXO                 | ■       |          |     |          |        |                         |                  |                         |             |           |             |            |                 |          |       |            |         |           |          |             |        |           |         |           |          |             |             |                 |                |     |                  |        |     |   |
|                    |                             | Programmable         | ■       |          |     |          |        | ■                       |                  |                         |             |           |             |            |                 |          |       |            |         |           |          |             |        |           |         |           |          |             |             |                 |                |     |                  |        |     |   |
|                    |                             | Standard             | ■       | ■        |     |          | ■      |                         |                  |                         |             |           |             |            |                 | ■        |       |            |         | ■         |          |             |        |           |         |           |          |             |             |                 |                | ■   |                  |        |     |   |
|                    |                             | TCXO                 |         |          |     |          |        |                         |                  |                         |             |           |             |            |                 | ■        |       |            |         |           |          |             |        |           |         |           |          |             |             |                 |                | ■   |                  |        |     |   |
|                    |                             | VCO & VCXO           |         |          |     |          |        |                         |                  |                         |             |           |             |            |                 |          |       |            |         |           |          |             |        |           |         |           |          |             |             |                 |                |     | ■                |        |     |   |
|                    | Resonators                  |                      | ■       | ■        |     |          |        |                         |                  |                         |             |           |             |            |                 |          |       |            |         |           |          |             |        |           |         |           |          |             |             | ■               |                |     |                  |        |     |   |
|                    | Standard Crystals           |                      | ■       | ■        |     |          | ■      |                         |                  |                         |             |           |             |            |                 | ■        |       |            |         | ■         |          |             |        |           |         |           |          |             |             |                 |                | ■   |                  |        | ■   |   |

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## Fans

| PRODUCT CATEGORY |                     | Adida | edm papst | Multicomp | Nidec Copal | NIMB | Sanyo Denki | Schneider Electric |
|------------------|---------------------|-------|-----------|-----------|-------------|------|-------------|--------------------|
| FANS             | AC Axial & Diagonal | ■     | ■         | ■         |             | ■    | ■           | ■                  |
|                  | DC Axial & Diagonal | ■     | ■         | ■         | ■           | ■    | ■           |                    |
|                  | Blowers             |       | ■         | ■         |             | ■    | ■           |                    |
|                  | Fan Accessories     |       | ■         | ■         |             | ■    | ■           |                    |

## Fuses

| PRODUCT CATEGORY |             | Bulgin | Eaton (Cooper Bussman) | Littelfuse | Multicomp | Schurter |
|------------------|-------------|--------|------------------------|------------|-----------|----------|
| FUSES            | Automotive  |        | ■                      | ■          | ■         |          |
|                  | Cartridge   |        | ■                      | ■          | ■         | ■        |
|                  | Fuseholders | ■      | ■                      | ■          | ■         | ■        |
|                  | HRC         |        | ■                      |            | ■         |          |
|                  | Industrial  |        | ■                      | ■          | ■         |          |
|                  | PCB Leaded  |        | ■                      | ■          | ■         |          |

## Relays

| Relays |                | Product Category |              |               |                 |         |          |                        |        |              |        |      |                        |                     |            |                     |           |                 |                             |                             |         |           |                 |                    |           |                 |                          |                          |                       |                                      |                           |        |      |            |         |   |
|--------|----------------|------------------|--------------|---------------|-----------------|---------|----------|------------------------|--------|--------------|--------|------|------------------------|---------------------|------------|---------------------|-----------|-----------------|-----------------------------|-----------------------------|---------|-----------|-----------------|--------------------|-----------|-----------------|--------------------------|--------------------------|-----------------------|--------------------------------------|---------------------------|--------|------|------------|---------|---|
|        |                | ABB              | AEC/Durakool | Carlo Gavazzi | Coto Technology | Crouzet | Cynergy3 | Eaton (Cooper Bussman) | Finder | GEM5 Sensors | Hamlin | IDEC | Imo Precision Controls | Johanson Technology | Littelfuse | Macromatic Controls | Multicomp | NTE Electronics | Omron Electronic Components | Omron Industrial Automation | Opto 22 | Panasonic | Phoenix Contact | Schneider Electric | Struthers | TE Connectivity | TE Connectivity / Axicom | TE Connectivity / Klovac | TE Connectivity / OEG | TE Connectivity / Potter & Brumfield | TE Connectivity / Schrack | Vishay | Wago | Weidmuller | Wieland |   |
| RELAYS | Automotive     |                  |              |               |                 | ■       |          |                        |        |              | ■      |      |                        |                     |            |                     | ■         | ■               | ■                           |                             | ■       |           |                 |                    | ■         |                 |                          |                          |                       |                                      |                           |        |      |            |         |   |
|        | Contactors     | ■                | ■            |               | ■               | ■       | ■        |                        |        |              | ■      |      |                        |                     |            |                     |           | ■               | ■                           | ■                           | ■       |           | ■               | ■                  |           | ■               |                          |                          |                       |                                      |                           |        |      | ■          |         |   |
|        | High Frequency |                  |              |               |                 |         |          |                        |        |              |        |      |                        |                     |            |                     |           |                 |                             |                             |         |           |                 |                    | ■         |                 |                          |                          |                       |                                      |                           |        |      |            |         |   |
|        | High Voltage   |                  |              |               |                 |         |          |                        |        |              |        |      |                        |                     |            |                     |           |                 |                             |                             |         |           |                 |                    |           |                 | ■                        |                          |                       |                                      |                           |        |      |            |         |   |
|        | Monitoring     | ■                |              | ■             |                 | ■       |          |                        |        |              |        |      |                        |                     | ■          | ■                   |           |                 |                             | ■                           |         |           |                 |                    | ■         | ■               |                          |                          |                       |                                      |                           |        |      | ■          | ■       |   |
|        | Mosfet         |                  |              |               | ■               |         |          |                        |        |              |        |      |                        |                     |            |                     |           |                 | ■                           |                             |         |           | ■               |                    |           |                 |                          |                          |                       |                                      |                           |        | ■    |            |         |   |
|        | Power          |                  |              |               |                 |         | ■        | ■                      |        |              |        | ■    | ■                      |                     |            |                     | ■         | ■               | ■                           | ■                           |         | ■         | ■               | ■                  | ■         | ■               |                          |                          | ■                     | ■                                    | ■                         |        | ■    | ■          |         |   |
|        | Reed           |                  |              |               |                 |         | ■        |                        |        |              | ■      |      |                        |                     | ■          |                     |           |                 | ■                           |                             |         |           | ■               |                    | ■         | ■               | ■                        |                          |                       |                                      |                           |        |      |            |         |   |
|        | Safety         | ■                | ■            |               |                 | ■       |          | ■                      | ■      | ■            |        |      |                        |                     |            | ■                   |           |                 |                             |                             | ■       |           | ■               |                    |           | ■               |                          |                          |                       |                                      |                           |        |      |            |         | ■ |
|        | Signal         |                  |              |               |                 |         |          |                        | ■      |              |        |      | ■                      |                     |            |                     | ■         | ■               | ■                           | ■                           |         | ■         |                 |                    |           | ■               | ■                        |                          | ■                     |                                      | ■                         |        |      |            | ■       | ■ |
|        | Solenoid       |                  |              |               |                 |         |          |                        |        |              |        |      |                        | ■                   |            |                     | ■         |                 |                             |                             |         |           |                 |                    |           |                 |                          |                          |                       |                                      |                           |        |      |            |         |   |
|        | Solid State    | ■                | ■            | ■             |                 | ■       | ■        |                        | ■      |              |        | ■    |                        |                     |            |                     | ■         | ■               | ■                           | ■                           | ■       | ■         | ■               | ■                  | ■         | ■               |                          |                          |                       |                                      |                           |        | ■    |            | ■       | ■ |
|        | Time Delay     |                  |              |               |                 | ■       |          | ■                      | ■      |              |        |      |                        |                     |            | ■                   |           | ■               |                             |                             |         |           |                 | ■                  | ■         | ■               |                          |                          |                       |                                      |                           |        |      |            |         | ■ |

| Transformers     |                        |               |               |       |        |       |         |                         |                     |                  |           |                        |           |                    |               |         |                       |                |                   |                            |                 |               |
|------------------|------------------------|---------------|---------------|-------|--------|-------|---------|-------------------------|---------------------|------------------|-----------|------------------------|-----------|--------------------|---------------|---------|-----------------------|----------------|-------------------|----------------------------|-----------------|---------------|
| PRODUCT CATEGORY |                        | Acme Electric | AXX / Kyocera | Block | Bourns | Epcos | Hammond | Hammond Power Solutions | Johanson Technology | MCM Custom Audio | Multicomp | muRata Power Solutions | Pro Power | Schneider Electric | Sifam Tinsley | Simpson | Staco Energy Products | Sola Hevi Duty | Superior Electric | TE Connectivity / Crompton | Triad Magnetics | White Rodgers |
| TRANSFORMERS     | Audio                  |               |               |       | ■      |       |         |                         |                     | ■                |           | ■                      |           |                    |               |         |                       |                |                   |                            |                 | ■             |
|                  | Auto                   |               |               | ■     |        |       | ■       |                         |                     |                  |           |                        |           |                    |               |         |                       |                |                   |                            |                 | ■             |
|                  | Baluns                 |               | ■             |       | ■      |       |         |                         | ■                   | ■                |           |                        |           |                    |               |         |                       |                |                   |                            |                 |               |
|                  | Current                | ■             |               |       |        | ■     |         |                         |                     | ■                |           | ■                      | ■         |                    |               |         |                       |                |                   | ■                          |                 |               |
|                  | Isolation              |               |               | ■     |        |       | ■       | ■                       |                     |                  | ■         | ■                      | ■         | ■                  | ■             |         |                       |                | ■                 |                            | ■               | ■             |
|                  | Pulse                  |               |               |       | ■      | ■     | ■       |                         |                     |                  |           | ■                      |           |                    |               |         |                       |                |                   |                            |                 |               |
|                  | Toroidal Power         | ■             |               | ■     |        |       | ■       |                         |                     |                  | ■         | ■                      |           |                    |               |         |                       |                |                   |                            |                 | ■             |
|                  | Variable               |               |               |       |        |       |         |                         |                     |                  |           | ■                      |           |                    |               |         | ■                     |                | ■                 |                            |                 |               |
|                  | Transformer Components |               |               |       |        | ■     |         |                         |                     |                  |           |                        |           |                    |               |         |                       | ■              |                   |                            |                 |               |

| Enclosures       |                      |                |             |       |         |         |                  |           |                 |            |                    |            |          |
|------------------|----------------------|----------------|-------------|-------|---------|---------|------------------|-----------|-----------------|------------|--------------------|------------|----------|
| Product Category | Product Line         |                |             |       |         |         |                  |           |                 |            |                    |            |          |
|                  | Box Enclosures       | Bud Industries | CandentBoss | Fibox | Hammond | Hoffman | MCM Custom Audio | Multicomp | nVent (Schnoff) | Penn Elcom | Schneider Electric | Tripp-Lite | Vynckler |
| ENCLOSURES       | 19" Cases            | ■              | ■           |       | ■       |         | ■                |           | ■               | ■          |                    |            |          |
|                  | 19" Desktop          | ■              |             |       | ■       |         |                  |           |                 |            |                    |            |          |
|                  | 19" Floor Cabinets   | ■              | ■           |       | ■       | ■       | ■                |           |                 | ■          |                    | ■          |          |
|                  | 19" Shelves / Panels | ■              |             |       |         |         | ■                |           |                 | ■          |                    |            |          |
|                  | 19" Subracks         |                |             |       |         |         |                  |           | ■               |            |                    |            |          |
|                  | 19" Wall Cabinets    | ■              |             |       |         |         |                  |           |                 |            | ■                  |            |          |
|                  | DIN Rail             | ■              | ■           | ■     | ■       |         |                  | ■         |                 |            |                    |            |          |
|                  | EMI/RFI              |                | ■           |       |         | ■       |                  |           |                 |            |                    |            |          |
|                  | Handheld             | ■              | ■           | ■     | ■       |         |                  | ■         |                 |            |                    |            |          |
|                  | Industrial           |                | ■           |       | ■       | ■       | ■                |           |                 |            |                    | ■          |          |
|                  | Instrument           | ■              | ■           | ■     | ■       | ■       | ■                |           | ■               |            |                    |            |          |
|                  | Junction Box         | ■              | ■           |       | ■       | ■       | ■                |           |                 |            |                    |            | ■        |
|                  | Multipurpose         | ■              | ■           | ■     | ■       | ■       | ■                |           | ■               |            |                    |            | ■        |
|                  | PCB Box              |                | ■           | ■     |         | ■       |                  |           |                 |            |                    |            |          |
|                  | Potting              |                | ■           | ■     |         | ■       |                  |           | ■               |            |                    |            |          |
| Wall Mount       | ■                    | ■              | ■           | ■     | ■       | ■       |                  | ■         |                 | ■          |                    |            |          |

## Power & Batteries

| Sensors |                        |              |        |                           |                    |        |      |               |                   |         |          |                        |                              |              |          |         |       |               |      |            |           |                        |       |                              |                              |                  |           |               |                 |          |                    |          |                 |              |                                   |       |        |                |   |  |
|---------|------------------------|--------------|--------|---------------------------|--------------------|--------|------|---------------|-------------------|---------|----------|------------------------|------------------------------|--------------|----------|---------|-------|---------------|------|------------|-----------|------------------------|-------|------------------------------|------------------------------|------------------|-----------|---------------|-----------------|----------|--------------------|----------|-----------------|--------------|-----------------------------------|-------|--------|----------------|---|--|
| SENSORS | PRODUCT CATEGORY       | AEC/Durakool | Airpax | Anghenel Advanced Sensors | Banner Engineering | Bourns | Brad | Carlo Gavazzi | Comus (Assemtect) | Crouzet | Cynergy3 | Eaton (Cooper Bussman) | First Sensor / Sensortronics | GEMS Sensors | Grayhill | Hamilin | Herga | Honeywell S&C | IDEC | Littelfuse | Multicomp | muRata Power Solutions | Omega | Omnron Electronic Components | Omnron Industrial Automation | Optek Technology | Panasonic | Pepperl+Fuchs | Phoenix Contact | Red Lion | Schneider Electric | Sensiron | Silicon Sensing | Standexmeder | TE Connectivity / Sensor Solution | Turck | Vishay | ZF Electronics |   |  |
|         | Current / Voltage      |              |        |                           |                    |        |      |               |                   |         | ■        |                        |                              |              |          |         |       | ■             |      |            | ■         |                        |       |                              |                              |                  |           |               |                 |          |                    |          |                 |              |                                   | ■     |        |                |   |  |
|         | Environmental          |              |        | ■                         |                    |        |      |               |                   |         |          |                        |                              |              |          |         |       |               | ■    |            |           |                        |       |                              |                              |                  |           |               |                 |          |                    |          |                 |              |                                   |       |        |                |   |  |
|         | Encoders               |              |        |                           |                    | ■      |      |               |                   |         |          |                        | ■                            |              |          | ■       |       |               |      |            |           | ■                      |       |                              |                              | ■                |           |               |                 |          |                    |          |                 |              |                                   |       |        |                |   |  |
|         | Float / Level Switches |              |        |                           |                    |        |      |               |                   |         |          | ■                      |                              |              |          |         |       |               |      |            |           |                        |       |                              |                              | ■                |           |               |                 |          |                    |          |                 |              |                                   |       |        |                |   |  |
|         | Flow                   |              |        |                           |                    |        |      |               |                   |         |          | ■                      |                              |              | ■        |         |       |               | ■    |            |           |                        |       |                              | ■                            |                  |           |               |                 |          |                    |          | ■               |              |                                   | ■     |        |                |   |  |
|         | Force & Load Cell      |              |        |                           |                    |        |      |               |                   |         |          |                        |                              |              |          |         |       |               | ■    |            |           |                        |       | ■                            |                              |                  |           |               |                 |          |                    |          |                 |              |                                   |       | ■      |                |   |  |
|         | Liquid Level           |              |        |                           |                    |        | ■    |               | ■                 |         |          | ■                      |                              |              | ■        |         |       |               | ■    |            | ■         | ■                      |       |                              |                              | ■                |           |               | ■               |          |                    |          | ■               |              |                                   |       |        |                |   |  |
|         | Photoswitches          |              |        |                           | ■                  |        |      | ■             |                   |         |          |                        | ■                            |              |          |         |       |               | ■    | ■          |           |                        |       |                              |                              | ■                |           |               | ■               |          |                    |          |                 |              |                                   |       |        |                |   |  |
|         | Position               |              |        |                           |                    | ■      |      |               | ■                 |         |          |                        |                              |              |          |         | ■     | ■             | ■    |            | ■         | ■                      | ■     |                              |                              | ■                |           |               | ■               |          |                    |          |                 | ■            |                                   |       | ■      | ■              | ■ |  |
|         | Pressure / Flow        |              |        | ■                         |                    |        |      |               |                   |         |          | ■                      |                              | ■            | ■        |         |       |               | ■    |            |           | ■                      |       | ■                            | ■                            |                  | ■         |               |                 |          |                    | ■        | ■               |              |                                   | ■     | ■      |                |   |  |
|         | Proximity Switches     |              |        |                           | ■                  |        |      | ■             | ■                 | ■       |          |                        | ■                            |              |          |         | ■     |               | ■    | ■          |           | ■                      |       |                              | ■                            | ■                | ■         | ■             | ■               |          | ■                  |          |                 |              |                                   |       | ■      | ■              |   |  |
|         | Sensor Connectors      |              |        |                           |                    |        | ■    |               |                   |         |          | ■                      |                              |              | ■        |         |       |               | ■    |            |           |                        |       | ■                            | ■                            | ■                |           |               | ■               | ■        |                    |          |                 |              | ■                                 | ■     | ■      |                |   |  |
|         | Temperature / Humidity |              | ■      | ■                         | ■                  |        |      |               |                   |         |          |                        | ■                            |              | ■        |         |       |               | ■    |            |           | ■                      |       | ■                            | ■                            | ■                |           |               | ■               | ■        |                    |          |                 |              |                                   | ■     | ■      | ■              |   |  |
|         | Thermocouple           |              |        |                           |                    |        |      |               |                   |         |          |                        |                              |              |          |         |       |               |      |            |           |                        |       | ■                            | ■                            |                  |           |               |                 |          |                    |          |                 |              |                                   |       |        |                |   |  |
|         | Tilt / Motion          | ■            |        | ■                         |                    |        |      |               | ■                 |         |          |                        |                              |              |          |         |       |               | ■    |            |           | ■                      |       |                              | ■                            |                  | ■         | ■             |                 |          |                    |          |                 |              |                                   |       |        | ■              |   |  |
|         | Ultrasonic             |              |        |                           | ■                  |        |      | ■             |                   |         |          |                        |                              |              | ■        |         |       |               | ■    |            |           | ■                      |       |                              | ■                            |                  |           |               |                 |          |                    | ■        |                 |              |                                   |       |        | ■              |   |  |
|         | Vibration & Shock      |              |        |                           |                    |        |      |               | ■                 |         |          |                        |                              |              |          |         |       |               | ■    |            | ■         | ■                      |       |                              | ■                            |                  |           |               |                 |          | ■                  |          |                 |              |                                   |       |        | ■              |   |  |

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|-------|---------------------------------|------------------------------|---------------------|
| BENCH | OSCILLOSCOPES                   | ABI                          | Act Meters          |
|       |                                 | Adam Equipment               | AEMC                |
| BENCH | SOURCE CURRENT/VOLTAGE          | Aim TTI                      | Amprobe             |
|       |                                 | Beehive Electronics          | Belling Bee         |
| BENCH | SIGNAL                          | B&K Precision                | Brannan             |
|       |                                 | Brennenstuhl                 | Byres Brothers      |
| BENCH | INSPECTION                      | Chauvin Arnoux               | Cliff               |
|       |                                 | Comark                       | Compact Instruments |
| BENCH | ELECTRONIC TEST                 | Copico                       | Cosinus             |
|       |                                 | Deltron                      | Digimess            |
| BENCH | MULTIMETERS                     | Digitron                     | DI-Log              |
|       |                                 | EA Elektro-Automatik         | ELC                 |
| BENCH | ELECTRICAL TEST                 | Emerson Connectivity/Johnson | Etech               |
|       |                                 | Fir                          | Fir                 |
| BENCH | ENVIRONMENTAL & MECHANICAL TEST | Fluke                        | Fluke Networks      |
|       |                                 | GF Measurement & Control     | Gossen Metrawatt    |
| BENCH | LEADS                           | Greenlee                     | Grundig             |
|       |                                 | GW Instek                    | Hamag               |
| BENCH | ACCESSORIES CONNECTORS          | Hanna Instruments            | Hickl               |
|       |                                 | Hirschmann                   | Ideal               |
| BENCH | ACCESSORIES                     | Keithley                     | Kern                |
|       |                                 | Keysight                     | Lafayette           |
| BENCH | LEADS                           | Lascar                       | MC (Multi-Contact)  |
|       |                                 | Megger                       | Melitta             |
| BENCH | ACCESSORIES                     | Melitta                      | Meterman            |
|       |                                 | Matrix                       | Micro Epsilon       |
| BENCH | LEADS                           | Monarch Instruments          | Muehler             |
|       |                                 | Multimetrix                  | Multicomp           |
| BENCH | ACCESSORIES                     | No Clim                      | Opris               |
|       |                                 | Paladin Tools                | Peak                |
| BENCH | LEADS                           | Pico Technology              | PMK                 |
|       |                                 | Pomona                       | Radiall             |
| BENCH | ACCESSORIES                     | Raytek                       | Rohde & Schwarz     |
|       |                                 | Rohde & Schwarz              | Proskit             |
| BENCH | LEADS                           | Sagab                        | Seaward             |
|       |                                 | Sefram                       | Silvertronic        |
| BENCH | ACCESSORIES                     | Sky View Systems             | Socket & See        |
|       |                                 | Solo                         | Tale Products       |
| BENCH | LEADS                           | TDK Lambda                   | Tektronix           |
|       |                                 | Tempo                        | Testec              |
| BENCH | ACCESSORIES                     | Testo                        | Time Electronics    |
|       |                                 | Waldmüller                   | Valleman            |

# Soldering & Desoldering

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## Soldering & Desoldering

|                              |                      | Soldering & Desoldering                   |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        |       |   |
|------------------------------|----------------------|---|------|---------|-------------|-----------|-----|----------|-------|-------|------------|----------|-------|-------------|------|-------|---------------|------------|--------|--------|-----------|---------------------|------|----------|-------|----------|---------|-------|--------|-------|---|
|                              |                      | PRODUCT CATEGORY                          |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        |       |   |
|                              |                      | Antex                                     | Bofa | Bonkote | Chemtronics | Chip Quik | Clf | Ck Tools | Cliff | Denon | Distelkamp | Duratool | Edsyn | Electrolube | Ersa | Iroda | Kester Solder | Martin Smt | Metcal | Miller | Multicomp | Multicore / Loctite | Pace | Portasol | Semco | Servisol | Stannol | Terna | Weller | Xuron |   |
| SOLDERING & DESOLDERING      | MOBILE SOLDERING     | Soldering Irons - Gas Powered             | ■    |         |             |           |     |          |       |       |            |          |       |             | ■    | ■     |               |            |        |        |           |                     |      |          | ■     |          |         |       |        | ■     |   |
|                              |                      | Soldering Irons - Mains Powered           | ■    |         |             |           |     | ■        |       |       |            | ■        |       |             |      | ■     |               |            |        |        |           |                     |      |          |       |          |         |       |        | ■     |   |
|                              |                      | Desoldering Guns - Mains Powered          |      |         |             |           |     |          |       | ■     |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        |       |   |
|                              |                      | Soldering Irons - Battery Powered         | ■    |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        | ■     |   |
|                              |                      | Soldering Irons - USB / Battery Powered   |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        |       |   |
|                              |                      | Soldering Stations - Battery Powered      |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        |       | ■ |
|                              | BENCHTOP SOLDERING   | Soldering Stations                        | ■    |         |             |           |     |          |       |       |            | ■        |       |             |      | ■     |               |            |        | ■      |           |                     |      | ■        |       |          |         |       | ■      | ■     |   |
|                              |                      | Rework Stations - Soldering & Desoldering | ■    |         |             |           |     |          |       |       |            |          | ■     |             |      | ■     |               |            |        | ■      |           |                     |      | ■        |       |          |         |       | ■      | ■     |   |
|                              |                      | Rework Stations - Hot Air                 |      |         |             |           |     |          |       |       |            |          |       |             |      | ■     |               |            |        | ■      |           |                     |      | ■        |       |          |         |       | ■      | ■     |   |
|                              |                      | Rework Systems . BGA/QFP etc.             |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            | ■      |        |           |                     |      | ■        |       |          |         |       |        |       |   |
|                              |                      | Temperature Measuring Sytems              |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      | ■        |       |          |         |       |        | ■     |   |
|                              |                      | Preheating Plates                         |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      | ■        |       |          |         |       | ■      | ■     |   |
|                              | CONSUMABLES          | Solder Baths                              | ■    |         |             |           |     |          |       |       |            | ■        |       |             |      | ■     |               |            |        |        |           |                     |      | ■        |       |          |         |       |        | ■     |   |
|                              |                      | Reflow Ovens                              |      |         |             |           |     | ■        |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      | ■        |       |          |         |       |        | ■     |   |
|                              |                      | Soldering Tips / Cartridges               | ■    |         |             |           |     |          | ■     |       | ■          |          | ■     |             |      | ■     | ■             |            |        | ■      | ■         |                     |      | ■        | ■     |          |         |       | ■      | ■     |   |
|                              |                      | Hot Air / Desoldering Nozzles             |      |         |             |           |     |          |       | ■     |            |          |       |             |      | ■     |               |            | ■      | ■      |           |                     |      | ■        |       |          |         |       | ■      | ■     |   |
|                              |                      | Solder Wire                               |      |         |             |           |     | ■        |       |       |            |          | ■     | ■           |      |       |               | ■          |        | ■      | ■         |                     |      | ■        |       |          |         |       |        |       |   |
|                              |                      | Solder Paste                              |      |         |             |           | ■   |          |       |       |            |          | ■     |             |      |       |               | ■          |        |        |           |                     | ■    | ■        |       |          |         | ■     |        | ■     |   |
|                              |                      | Solder Balls / Pellets                    |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            | ■      |        |           |                     | ■    |          |       |          |         | ■     |        |       |   |
|                              |                      | Solder Bars                               |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     | ■    |          |       |          |         | ■     |        |       |   |
|                              |                      | Desoldering Braid                         |      |         |             | ■         |     |          |       |       |            |          |       |             |      | ■     |               |            |        |        |           |                     |      | ■        |       |          | ■       |       |        |       | ■ |
|                              |                      | Flux                                      |      |         |             |           | ■   | ■        |       |       |            |          |       |             | ■    | ■     | ■             |            |        |        |           |                     |      | ■        |       |          |         |       |        | ■     |   |
|                              |                      | Spot-Mask                                 |      |         |             | ■         |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        |       |   |
|                              | ACCESSORIES & SPARES | Tip Tinner / Cleaners                     |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     | ■    |          |       |          |         | ■     |        | ■     |   |
|                              |                      | Sponges, Brass / Steel Wool               | ■    |         |             |           |     |          |       |       |            |          | ■     | ■           |      | ■     |               |            |        | ■      |           |                     |      | ■        |       |          |         |       |        | ■     |   |
|                              |                      | Soldering Iron Holders                    | ■    |         |             |           |     |          |       | ■     |            |          |       |             |      | ■     |               |            |        | ■      |           |                     |      | ■        |       |          |         |       |        | ■     |   |
|                              |                      | Irons Spare Parts, Heating Elements       | ■    |         |             |           |     |          |       |       |            |          |       |             |      | ■     | ■             |            | ■      | ■      |           |                     |      | ■        | ■     |          |         |       | ■      | ■     |   |
|                              |                      | Desoldering Guns / Pumps                  |      |         |             |           |     |          |       |       |            |          | ■     | ■           |      |       |               |            |        | ■      |           | ■                   |      |          |       |          |         |       |        | ■     |   |
|                              |                      | PCB Holders                               |      |         |             |           |     |          |       |       |            |          |       |             |      |       |               |            | ■      | ■      |           |                     |      | ■        |       |          |         |       |        | ■     |   |
|                              | FUME EXTRACTION      | Solder Reel Holders                       |      |         |             |           |     |          |       |       |            |          |       | ■           |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        | ■     |   |
|                              |                      | Pick & Place Tools                        |      |         |             |           |     |          |       |       |            |          | ■     | ■           |      |       |               |            |        |        |           |                     |      |          |       |          |         |       |        | ■     |   |
|                              |                      | Fume Extraction Units                     |      | ■       |             |           |     |          | ■     |       | ■          | ■        | ■     |             |      | ■     |               |            |        | ■      |           |                     |      |          |       |          |         |       |        | ■     |   |
|                              |                      | Fume Extraction Attachments               |      |         |             |           |     |          |       |       |            | ■        |       |             |      | ■     |               |            |        | ■      |           |                     |      |          |       |          |         |       |        | ■     |   |
|                              | FLUID DISPENSING     | Fume Extraction Accessories               |      | ■       |             |           |     |          |       |       |            | ■        |       | ■           |      | ■     |               |            |        | ■      |           |                     |      |          |       |          |         |       |        | ■     |   |
|                              |                      | Fume Extraction Filters                   |      | ■       |             |           |     |          | ■     |       |            | ■        | ■     |             |      | ■     |               |            |        | ■      |           |                     |      |          |       |          |         |       |        | ■     |   |
| Fluid Dispensing Units       |                      |   |      |         |             |           | ■   |          |       |       |            |          |       |             |      |       |               |            | ■      |        |           |                     |      |          | ■     |          |         |       | ■      |       |   |
| Fluid Dispensing Accessories |                      |   |      |         |             |           |     |          |       |       |            |          | ■     |             |      |       |               |            | ■      |        |           |                     |      |          | ■     |          |         |       | ■      |       |   |
| Manual Fluid Dispensers      |                      |   |      |         |             |           |     |          |       |       |            | ■        | ■     |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       | ■      |       |   |
|                              | Flux Dispensing Pens |   |      | ■       |             |           |     |          |       |       |            |          |       |             |      |       |               |            |        |        |           |                     |      |          |       |          |         |       | ■      |       |   |

# Static Protection & Production Supplies

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## Static Protection & Production Supplies

|              |                       | Static Protection & Production Supplies |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|--------------|-----------------------|---|----|---------------|----|----------|----------|-------------|-----------|-----|--------------|----------------|-------|--------|-------------|-------------|------------------|----------------|----|----------------|--------------------|------|--------------|-----------|-----------|------------|-----------------|-----------|------------|---------|---------|--------|------------|----------|-----------------------|------|--------|----------|-------|--------|--|--|--|
|              |                       | PRODUCT CATEGORY                        |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
| TEST & TOOLS | CHEMICALS & ADHESIVES | Adhesive                                | 3M | Aer Silicones | AF | Amborsil | Araldite | Chemtronics | Chomerics | CIF | CircuitWorks | CRC Industries | Desco | Devcon | Dow Corning | Electrolube | Hellermann Tyton | Henkel Loctite | KF | Kontakt Chemie | Laird Technologies | Mega | MG Chemicals | Multicomp | Pennabond | Plastikote | Power Adhesives | Pro Power | Pro Signal | Raytech | Rohrort | Scrubs | Sealocrete | Servisol | TE Connectivity / Amp | Tesa | Velcro | Vermason | WD-40 | Welcon |  |  |  |
|              |                       | Cleaners                                |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Developers                              |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Dusters                                 |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Ferric Chloride                         |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Fillers                                 |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Freeze Spray                            |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Lubricants                              |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Paints & Coatings                       |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Potting compounds                       |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Sealants                                |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              | TAPE                  | Foil / Shielding                        |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Antistatic                              |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Double Sided                            |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Duct                                    |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Electrical                              |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Foam                                    |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Masking                                 |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Splicing / re-reeling                   |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              | ESD STATIC PROTECTION | Clothing                                |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Earth Bonding points                    |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Equipment and Labelling                 |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Grounding                               |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Mats                                    |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Testers                                 |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |
|              |                       | Packaging & Storage                     |    |               |    |          |          |             |           |     |              |                |       |        |             |             |                  |                |    |                |                    |      |              |           |           |            |                 |           |            |         |         |        |            |          |                       |      |        |          |       |        |  |  |  |

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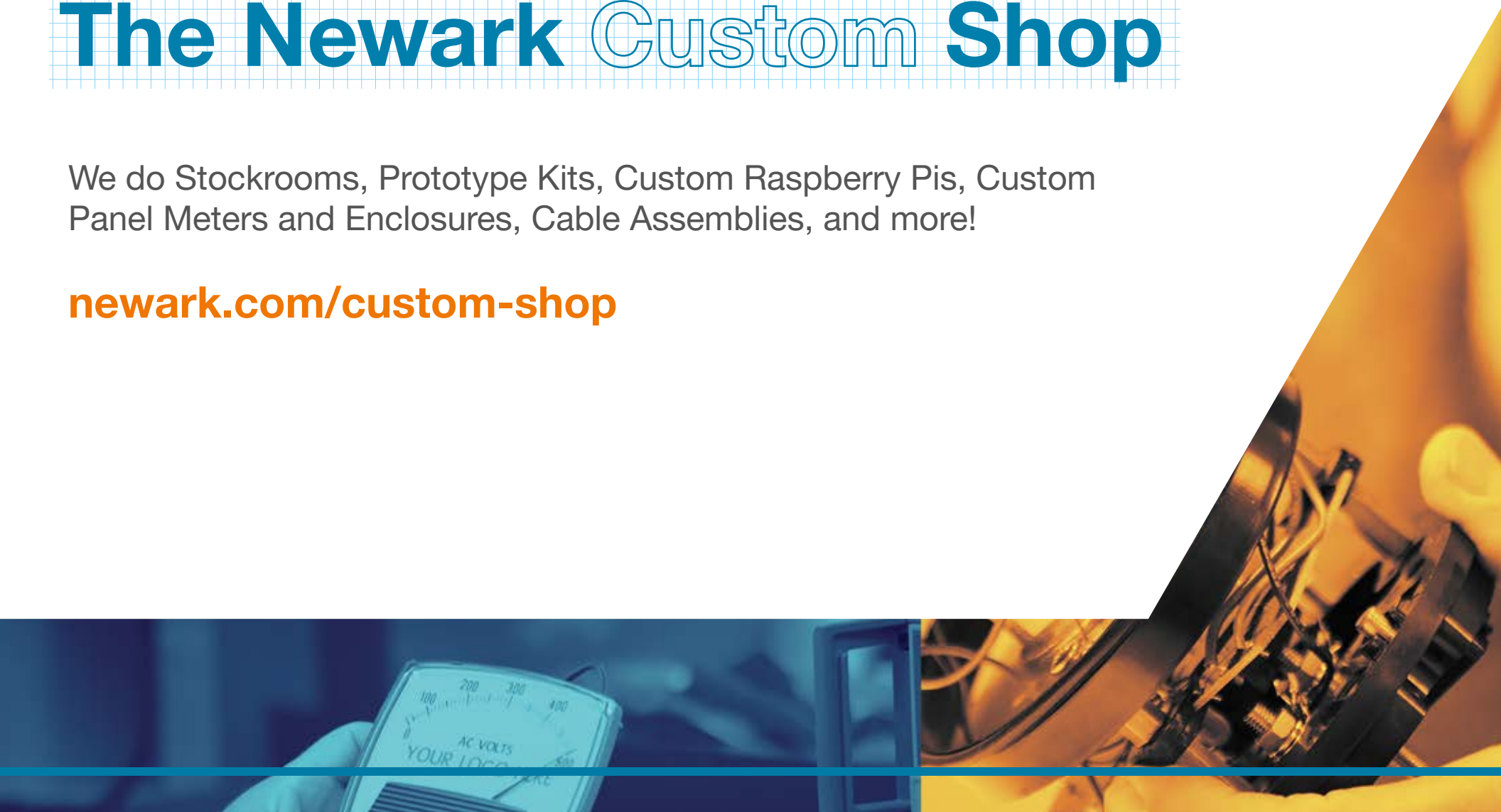


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