

appliance DESIGN

BUYERS GUIDE – PRODUCT LISTING BOOKLET

Check all categories carefully before making your selection. Please retain this list for your files.

PLEASE NOTE: The product listings have been reorganized. They also have new code numbers. Similar and related products are now listed in groups under **boldface** headings.

DESIGN, ENGINEERING and PROTOTYPING

CONTRACT MANUFACTURING:

- 00300 Components
- 00400 Electronics
- 00500 Finished Products
- 00600 Subassemblies
- 00700 DESIGN and DEVELOPMENT SERVICES
- 00800 ENGINEERING CONSULTING and SERVICES
- 00900 HUMAN FACTORS CONSULTING
- 01000 INDUSTRIAL DESIGN
- 01100 MARKET RESEARCH
- 01200 OUTSOURCING SERVICES
- PROTOTYPING:**
- 01400 Equipment
- 01500 Services
- 01600 Materials
- 01700 SOUND QUALITY CONSULTING
- 01800 OTHER

ELECTRICAL and ELECTRONIC COMPONENTS

- 02000 AUDIBLE INDICATORS, BUZZERS and ALARMS
- 02100 BACKLIGHTING COMPONENTS
- BATTERIES:**
- 02300 Disposable
- 02400 Rechargeable
- 02500 BATTERY CHARGERS and SYSTEMS
- 02600 CAPACITORS
- 02700 CIRCUIT PROTECTION DEVICES and SURGE ARRESTORS
- CONNECTORS:**
- 02900 Connectors and Terminations
- 03000 Termination Equipment
- 03100 CONTACTORS

CONTROLS:

- 03300 Electromechanical
- 03400 Electronic
- 03500 Other
- 03600 CORD SETS, CORDAGE, PLUGS, STRAIN RELIEFS and OTHER CORD PARTS

DISPLAY DEVICES:

- 03800 CRT
- 03900 Electrophoretic
- 04000 LCD
- 04100 OLED
- 04200 Projection
- 04300 Touch Screens
- 04400 Vacuum Fluorescent
- 04500 Other
- 04600 EMI/RFI FILTERS, SUPPRESSION and SHIELDING

- 04700 ENCODERS
- 04800 FANS and BLOWERS
- 04900 FLEXIBLE CIRCUITS
- 05000 HEAT SINKS
- HEATING ELEMENTS:**
- 05200 Ceramic
- 05300 Flexible Wire
- 05400 Foil
- 05500 Glass
- 05600 Graphite
- 05700 Induction
- 05800 Thick film
- 05900 Thin film
- 06000 Tubular
- 06100 Other

- 06200 INDICATORS, LEDs and LAMPS
- 06300 KEYBOARDS
- 06400 MAGNETRONS
- 06500 MICROCONTROLLERS, MICROPROCESSORS, ASICs, DSPs, DRIVERS, POWER ICs, RECTIFIERS, ANALOG-DIGITAL CONVERTERS, and OTHER ICs

MOTORS:

- 06700 AC

- 06800 DC
- 06900 Electronically controlled
- 07000 Piezo
- 07100 Other
- 07200 MOTOR PARTS
- 07300 OSCILLATORS and CRYSTALS
- 07400 POTENTIOMETERS
- 07500 POWER CONVERSION and MANAGEMENT COMPONENTS
- 07600 POWER SUPPLIES
- 07700 PRINTED CIRCUIT BOARDS and MATERIALS

RELAYS:

- 07900 Electromechanical
- 08000 Magnetic
- 08100 Reed
- 08200 Solid-state
- 08300 Other
- 08400 RESISTORS
- SENSORS:**
- 08600 Accelerometers, Angular, Tilt, and Other Inertial
- 08700 Capacitive, Current, Voltage, and Other Electrical

- 08800 Force
- 08900 Gas
- 09000 Humidity and Moisture
- 09100 Infrared
- 09200 Liquid Level
- 09300 Optical and Photosensors
- 09400 Motion Detectors
- 09500 Pressure
- 09600 Proximity and Speed
- 09700 Temperature
- 09800 Other
- 09900 SOLENOIDS

SWITCHES:

- 10100 Key
- 10200 Limit
- 10300 Membrane
- 10400 Pushbutton, Rocker, Slide, and Toggle
- 10500 Membrane
- 10600 Pressure Switches

10700 Reed Switches
 10800 Rotary and Thumbwheel
 10900 Other
 11000 TERMINALS, BLOCKS and
 BOARDS
 11100 THERMAL CUT-OFFS and
 PROTECTORS
 11200 THERMOELECTRIC
 COOLING/HEATING DEVICES
 11300 THERMOMETERS
 11400 THERMOSTATS,
 THERMOCOUPLES, and
 THERMISTORS
 11500 TIMERS and CLOCKS
 11600 TRANSFORMERS
 11700 TRANSISTORS, THYRISTORS,
 TRIACS and OTHER
 SEMICONDUCTOR
 SWITCHING DEVICES
 11800 TUBES, ELECTRON
 11900 WIRE, CABLE and INSULATION
 12000 WIRE HARNESSSES
 12100 WIRE MARKING
 12200 WIIRE STRIPPING and
 TERMINATING EQUIPMENT
WIRE WRAPPING:
 12400 Equipment
 12500 Ties and materials
 12600 OTHER

**FASTENING and JOINING
 COMPONENTS and
 EQUIPMENT**

12800 ADHESIVES, SEALANTS, and
 ADHESIVE TAPES
 12900 ASSEMBLY TOOLS and
 EQUIPMENT
BRAZING:
 13100 Equipment
 13200 Materials
 13300 Services
 13400 CLINCHING and CRIMPING
 EQUIPMENT
FASTENERS:
 13600 Bolts and Nuts
 13700 Clips
 13800 Hook and Loop
 13900 Inserts
 14000 Pins
 14100 Rings
 14200 Rivets
 14300 Screws
 14400 Snap
 14500 Staples
 14600 Ties
 14700 Washers
 14800 Other
 14900 GROMMETS
 15000 HEAT STAKING EQUIPMENT
 15100 LASER WELDING EQUIPMENT
 15200 RIVET, RADIAL, and ORBITAL
 FORMING MACHINES
SOLDERING:
 15400 Equipment
 15500 Materials
 15600 Preforms

15700 Services
 15800 ULTRASONIC WELDING
WELDING:
 16000 Equipment
 16100 Materials
 16200 Services
 16300 OTHER

**FLUID, GAS, and
 REFRIGERATION
 COMPONENTS**

16500 AIR/VACUUM PUMPS and
 COMPONENTS
 16600 FITTINGS
 16700 FLOATS
GASKETS:
 16900 Gasket, Seals, and O-Rings
 17000 Gasketing Materials
 17100 Gasketing Equipment, Form in
 Place
**GAS COMBUSTION
 COMPONENTS:**
 17300 Burners
 17400 Flame Arrestors
 17500 Flame Sensors
 17600 Igniters and Ignition Systems
 17700 Manifolds
 17800 Pilots
 17900 Pressure Regulators
 18000 Valves
 18050 Other
 18100 OIL COMBUSTION
 COMPONENTS
 18200 HEAT EXCHANGERS
 18300 HOSE and FITTINGS
 18400 PUMPS, FLUID
 18500 REFRIGERANTS and BLOWING
 AGENTS
 18600 REFRIGERANT CHARGING
 18700 REFRIGERANT
 COMPRESSORS
 18800 REFRIGERANT LEAK
 DETECTORS
 18900 TUBING and FITTINGS
VALVES:
 19100 Fluid
 19200 Gas
 19300 Refrigerant
 19400 OTHER

**MATERIALS, FORMS, and
 FABRICATION SERVICES**

19600 ABRASIVES
 19700 ANODIZING SERVICES
 19800 BAR CODING-AUTO ID
 EQUIPMENT/SYSTEMS
 19900 BIMETALS
 20000 CABINETS, CASES &
 ENCLOSURES
 20100 CAPS, PLUGS AND CLOSURES
 20200 CARBON
 20300 CERAMIC MATERIALS and
 PRODUCTS
 20400 CHARCOAL, ACTIVATED

COATINGS and FINISHES:

20600 Conductive
 20700 Liquid
 20800 Porcelain
 20900 Powder
 21000 Pretreatment
 21100 Services
 21200 Other
 21300 COMPOSITES
 21400 DAMPING and ISOLATION
 MATERIALS (SOUND and
 VIBRATION)
DECORATION:
 21600 Decals
 21700 Films
 21800 Equipment
 21900 Graphic Overlays
 22000 Graphics Printing
 22100 Materials
 22200 Services
 22300 Trim
 22400 Other
DIE CASTING:
 22600 Materials
 22700 Equipment
 22800 Parts
 22900 Services
 23000 DIE CUT PARTS
DISPENSING EQUIPMENT:
 23200 Adhesives and Sealants
 23300 Foam Insulation
 23400 Lubricants
 23500 Other
 23600 ELECTROPLATING,
 ELECTROLESS PLATING,
 SPUTTERING, and PVD
 SERVICES
 23700 ELASTOMERS and RUBBER
 23800 EXPANDED METAL
EXTRUSIONS:
 24000 Metal
 24100 Plastic
 24200 Rubber
 24300 FILTERS and FILTER MEDIA
 24400 FORGINGS
 24500 FRICTION MATERIALS
GASKETS and SEALS:
 24700 Equipment
 24800 Materials
 24900 Formed parts
 25000 Services
 25100 GLASS MATERIALS,
 PRODUCTS, and ASSEMBLIES
 25200 GLIDES
 25300 GRAPHITE PRODUCTS
 25400 HEAT SHRINKABLE FORMS
 25500 HONEYCOMB MATERIALS
 25600 HOT STAMPING MACHINES
INSULATION MATERIALS:
 25800 Acoustic
 25900 Electrical
 26000 Thermal
 26100 Other
 26200 LABELS and LABELING
 EQUIPMENT
 26300 LAMINATED MATERIALS
 26400 LASERS
 26500 LASER MARKING EQUIPMENT

26600 LUBRICANTS
 26700 MAGNETS and MAGNETIC MATERIALS
 26800 MARKING MACHINES and MATERIALS
 26900 METAL ASSEMBLY FABRICATORS
 27000 METAL INJECTION MOLDING SERVICES
METALS:
 27200 Alloys
 27300 Aluminum
 27400 Brass
 27500 Bronze
 27600 Copper
 27700 Magnesium
 27800 Nickel
 27900 Iron
 28000 Patterned and Embossed
 28100 Precious
 28200 Prefinished
 28300 Tin
 28400 Titanium
 28500 Zinc
 28600 Other
METAL POWDERS:
 28800 Equipment
 28900 Materials
 29000 Parts
 29100 Services
 29200 MICA
 29300 NAMEPLATES
 29400 PACKAGING MATERIALS
 29500 PERFORATED MATERIALS
 29600 PHOTOETCHED PARTS
 29700 PLASTIC FABRICATED PARTS
 29800 PLASTIC FOAM
 29900 PLASTIC STRUCTURAL SHAPES (Film, Rod, Sheet, Tubing)
PLASTICS:
 30100 Additives, Colorants, Flame Retardants, and Reinforcements
 30200 Compounds, Specialty and Custom
 30300 Thermoplastics
 30400 Thermoset Plastics
 30500 Other
PLASTICS FORMING:
 30700 Blow Molding
 30800 Compression Molding
 30900 Extruding
 31000 Injection Molding
 31100 Rotomolding
 31200 Thermoforming
 31300 Thermoset Molding
 31400 Other
 31500 PORCELAIN ENAMELING SERVICES
 31600 ROLL FORMING SERVICES
 31700 SILICONES
 31800 STAMPINGS and OTHER METALFORMED PARTS and SERVICES
STEEL:
 32000 Aluminized
 32100 Carbon

32200 Decarburized
 32300 Electrical (Silicon)
 32400 Galvanized
 32500 Enameling
 32600 Machining
 32700 Prefinished
 32800 Service Centers
 32900 Spring
 33000 Stainless
 33100 Other
 33200 OTHER

MECHANICAL COMPONENTS

ACTUATORS:
 33500 Electric
 33600 Hydraulic
 33700 Mechanical
 33800 Pneumatic
 33900 Other
 34000 BEARINGS, BUSHINGS, and SLEEVES
 34100 BELLOWS
 34200 BELTS
 34300 BUMPERS and PADS
 34400 CASTERS, WHEELS, LEGS, and LEVELERS
CLAMPS:
 34600 Hose and Tubing
 34700 Wire and Cable
 34800 FLOOR CARE BRUSHES and BRUSH ASSEMBLIES
 34900 GEARS and PINIONS
 35000 HARDWARE, HANDLES,
 35100 LOCKS and ASSEMBLIES
 35200 MECHANICAL LINKAGES and COUPLINGS
 35300 PULLEYS
 35400 SHAFTS and SPLINES
 35500 SPEED REDUCERS
 35600 SPRINGS
 35700 SPROCKETS
 35800 SWIVELS
 35900 TRANSMISSIONS and DRIVES
 36000 OTHER

SOFTWARE and COMPUTERS

36200 COMPUTERS/HARDWARE and PERIPHERALS
SOFTWARE:
 36400 CAD
 36500 CAE
 36600 CFD
 36700 Electromagnetic Simulation
 36800 Materials Selection
 36900 Molding Simulation
 37000 Multiphysics
 37100 Product Lifecycle Management
 37200 Supply Chain Management
 37300 Thermal Modeling
 37400 Other

TESTING, CERTIFICATION and SERVICES

TESTING and CERTIFICATION LABORATORIES and SERVICES:

37700 Certification and Standards
 37800 EMI/RFI
 37900 Electrical/Electronic
 38000 Human Factors/Ergonomics
 38100 Materials
 38200 Mechanical and Engineering
 38300 Performance and Life Cycle
 38400 Safety and Product Liability
 38500 Sound Quality
 38600 Other

TESTING and MEASUREMENT EQUIPMENT:

38800 Dimensional and Shape
 38900 EMI/RFI
 39000 Environmental
 39100 Electrical/Electronic
 39200 Leak Detectors
 39300 Materials
 39400 Sound
 39500 Speed and Torque
 39600 Temperature
 39700 Vibration
 39800 Other Testing & Measurement Equipment
 39900 OTHER