

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

- 03250 *Defrost*
- 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*
- 09450 *Position*
- 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*
- 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 WIRE STRIPPING and TERMINATING EQUIPMENT

WIRE WRAPPING

- 12400 *Equipment*
- 12500 *Ties and materials*

WIRELESS:

- 12520 *Smart Technology and Components*
- 12530 *Wireless Components*

- 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*
- 13950 *Levelers*
- 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, 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*

39900 OTHER