

No.	Eight-Digit Subheading Requested by NAFEM	Description by NAFEM	Ten-Digit Subheading Granted by USTR	Description by USTR	Source
1	8402.90.00	Parts of steam- or other vapor-generating boilers	8402.90.0010	Heat exchangers, the foregoing comprising parts of goods of heading 8402 and each fitted for heat recovery steam generator	84 FR 32821 (July 9, 2019)
2	8402.90.00	Parts of steam- or other vapor-generating boilers	8402.90.0090	Drums, exhaust stacks, and inlet duct panel assemblies of heat recovery steam generators	84 FR 32821 (July 9, 2019)
3	8402.90.00	Parts of steam- or other vapor-generating boilers	8402.90.0090	Water tanks for steam or other vapor generating boilers	84 FR 32821 (July 9, 2019)
4	8418.69.01	Refrigerating or freezing equipment nesi	8418.69.0110	Stand-alone icemaking machines, each having a rated capacity not exceeding 160 kg per day, capable of producing ice in pieces not larger than 40 cubic cm in any dimension	84 FR 25895 (June 4, 2019)
5	8418.69.01	Refrigerating or freezing equipment nesi	8418.69.0120	N/A	83 FR 67463 (Dec. 28, 2019)
6	8418.69.01	Refrigerating or freezing equipment nesi	8418.69.0180	Assemblies of thermo-electric modules, whether or not presented with attached heat exchangers, fans, shrouds, temperature sensors or controllers	84 FR 25895 (June 4, 2019)
7	8418.69.01	Refrigerating or freezing equipment nesi	8418.69.0180	Coolers, non-compressor, powered by 12 V DC, each with an interior volume not exceeding 17 liters	84 FR 25895 (June 4, 2019)
8	8419.19.00	Storage water heaters, nonelectric	8419.19.0040	Solar water heaters incorporating glass tube heat collectors and including glass tubes and stands with tanks	84 FR 25895 (June 4, 2019)
9	8419.90.30	Parts of heat exchange units	8419.90.3000	Heat exchanger plates, cores, finned tubes, cones, shells, bonnets, flanges and baffles	84 FR 25895 (June 4, 2019)
10	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Nonelectric water filtration apparatus consisting of three cylinder-shaped filter cartridges, each measuring 6.35 cm by 26.67 cm, having water storage tank and plastic tubing measuring 0.63 cm or more but not over 0.95 cm, presented with installation kit	83 FR 67463 (Dec. 28, 2019)
11	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Water filtering apparatus, each valued not over \$1.50	Unpublished 9/2019 FR Notice
12	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Machinery for filtering water, submersible, powered by batteries, manually operated, such machinery designed for use in pools, basins, aquariums, spas or similar contained bodies of water	84 FR 11152 (Mar 25, 2019)
13	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Machinery designed for removing waste from water in saltwater aquariums by injecting air bubbles then filtering such bubbles	84 FR 11152 (Mar 25, 2019)
14	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Electronic water oxidizers designed for purifying water for household washing machines	84 FR 11152 (Mar 25, 2019)
15	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Hand-held ultraviolet water purifiers, powered by batteries	84 FR 11152 (Mar 25, 2019)
16	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Water oxidizers and chlorinators	84 FR 16310 (Apr. 18, 2019)
17	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Apparatus, including pitchers, bottles, and units designed for incorporation into refrigerators, appliances or sink faucets, the foregoing fitted with filters for filtering or purifying water	84 FR 21389 (May 14, 2019)
18	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Filtering apparatus, fitted with pumps, designed for use in pools, spas or similar contained bodies of water	84 FR 21389 (May 14, 2019)
19	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Filtering or purifying machinery or apparatus of a kind used for waste water treatment	84 FR 21389 (May 14, 2019)
20	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Submersible machinery for filtering water, designed for use in pools, basins, aquariums, spas or similar contained bodies of water	84 FR 21389 (May 14, 2019)
21	8421.21.00	Machinery and apparatus for filtering or purifying water	8421.21.0000	Water distillation machinery and apparatus not covered by heading 8419	84 FR 21389 (May 14, 2019)
22	8421.22.00	Machinery and apparatus for filtering or purifying beverages other than water	8421.22.0000	Filters designed to remove sulfites from wine	84 FR 11152 (Mar 25, 2019)
23	8421.29.00	Filtering or purifying machinery and apparatus for liquids, nesi	8421.29.0065	Liquid treatment process modules designed to separate ethylene dichloride (EDC) from an EDC/water/acid solution, containing an EDC decanter, heat exchangers and pumps, measuring not over 23 meters by 23 meters by 25 meters	Unpublished 9/2019 FR Notice
24	8427.10.40	Self-propelled works trucks powered by an electric motor, rider type forklift trucks	8427.10.4000	N/A	84 FR 21389 (May 14, 2019)
25	8427.10.80	Self-propelled works trucks powered by an electric motor, fitted with lifting and handling equipment, nesi	8427.10.8090	Self-propelled fork-lift and platform trucks, each powered by an electric motor and controlled by walking operator	84 FR 25895 (June 4, 2019)
26	8427.20.80	Self-propelled works trucks not powered by an electric motor, fitted with lifting and handling equipment, nesi	8427.20.8090	Fork-lift trucks, propane gas powered, having a rated lift capacity over 9.5 metric tons but not exceeding 33 metric tons	84 FR 32821 (July 9, 2019)
27	8428.90.02	Machinery for lifting, handling, loading or unloading, nesi	8428.90.0290	Garage door opener/closers	84 FR 25895 (June 4, 2019)
28	8428.90.02	Machinery for lifting, handling, loading or unloading, nesi	8428.90.0290	Hinged steel transfer machinery, designed for diverting goods from and to conveyor lines	84 FR 25895 (June 4, 2019)
29	8428.90.02	Machinery for lifting, handling, loading or unloading, nesi	8428.90.0290	Rotating bench, electrically powered, designed for turning a workpiece in a production line	84 FR 25895 (June 4, 2019)
30	8428.90.02	Machinery for lifting, handling, loading or unloading, nesi	8428.90.0290	Rotating fork machines, designed for lifting and depositing coiled steel bars in a production line	84 FR 25895 (June 4, 2019)

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31	8428.90.02	Machinery for lifting, handling, loading or unloading, nesi	8482.40.0000	Rotating bench, electrically powered, designed for turning a workpiece in a production line	84 FR 25895 (June 4, 2019)
32	8438.80.00	Machinery for the industrial preparation or manufacture of food or drink, nesi	8438.80.0000	Machinery for mixing beverages in single servings for direct human consumption, designed for use in commercial food service establishments	84 FR 21389 (May 14, 2019)
33	8438.80.00	Machinery for the industrial preparation or manufacture of food or drink, nesi	8438.80.0000	Machinery for reconstituting single serving beverages for direct human consumption from frozen pre-packaged portions, designed for use in commercial food service establishments	84 FR 21389 (May 14, 2019)
34	8458.19.00	Horizontal lathes (including turning centers) for removing metal, other than numerically controlled	8458.19.0020	Horizontal lathes, electrically powered not over 1.5 horsepower	84 FR 32821 (July 9, 2019)
35	8458.99.10	Vertical turret lathes (including turning centers) for removing metal, other than numerically controlled	8458.99.1050	Vertical turret lathes, each weighing more than 10,000 kg	Unpublished 9/2019 FR Notice
36	8462.31.00	Shearing machines (incl. presses), excl. combined punching & shearing machines, numerically controlled for working metal or metal carbides	8462.31.0080	Machines for slitting metal, numerically controlled, new, each weighing over 2,200 kg but not over 2,300 kg	Unpublished 9/2019 FR Notice
37	8464.90.01	Machine tools for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold working glass, neso	8464.90.0110	Glass-working machines, numerically controlled, each valued over \$50,000	Unpublished 9/2019 FR Notice
38	8465.92.00	Planing, milling or molding (by cutting) machines for working wood, cork, bone, hard rubber, hard plastics or similar hard materials	8465.92.0034	Woodworking planers with two-knife cutter heads, other than for working in the hand, valued not over \$200 each	Unpublished 9/2019 FR Notice
39	8465.93.00	Grinding, sanding or polishing machines for working wood, cork, bone, hard rubber, hard plastics or similar hard materials	8465.93.0030	Edge belt sanders, each valued under \$150, other than for working in the hand, designed for a belt width not over 16 cm	Unpublished 9/2019 FR Notice
40	8466.92.50	Parts and accessories nesi, for machines of heading 8465	8466.92.5010	Workstands designed to use with miter saws, each with metal tube frame, 4 metal legs and 2 metal extension arms	83 FR 67463 (Dec. 28, 2019)
41	8466.92.50	Parts and accessories nesi, for machines of heading 8465	8466.92.5010	Workstands designed for use with miter saws, each with wheels to make workstand mobile and with sides that fold up to extend the work area	83 FR 67463 (Dec. 28, 2019)
42	8466.93.98	Other parts and accessories for machines of heading 8456 to 8461, neso	8466.93.9885	Parts of drill sharpening machines	84 FR 16310 (Apr. 18, 2019)
43	8477.20.00	Extruders for working rubber or plastics or for the manufacture of products from these materials, nesi	8477.20.0005	Machines for extruding rubber or plastics utilizing two successive singlescrew apparatus	Unpublished 9/2019 FR Notice
44	8477.20.00	Extruders for working rubber or plastics or for the manufacture of products from these materials, nesi	8477.20.0015	Extrusion machines for processing rubber, twin-screw type, designed to produce inner liners for tires	Unpublished 9/2019 FR Notice
45	8477.80.00	Machinery for working rubber or plastics or for the manufacture of products from these materials, nesi	8477.80.0000	Machines for cutting plastics, electrically powered, valued not over \$300 per unit	Unpublished 9/2019 FR Notice
46	8479.81.00	Machines and mechanical appliances for treating metal, including electric wire coil-winders, nesi	8479.81.0000	Electric wire coil-winder machines	84 FR 32821 (July 9, 2019)
47	8479.82.00	Machines for mixing, kneading, crushing, grinding, screening, sifting, homogenizing, emulsifying or stirring, nesi	8479.82.0040	Insulated mixing chambers of stainless steel, each having a capacity of 5 m ³ to 25 cubic meters	84 FR 32821 (July 9, 2019)
48	8479.82.00	Machines for mixing, kneading, crushing, grinding, screening, sifting, homogenizing, emulsifying or stirring, nesi	8479.82.0080	Crushing or grinding machines, not used in the manufacture of beverages or crushing of mineral substances, each valued at more than \$10,000	Unpublished 9/2019 FR Notice
49	8479.90.94	Parts of machines and mechanical appliances having individual functions, not specified or included elsewhere in chapter 84, neso	8479.90.9496	Outer shells of hydraulic accumulators, of iron or non-alloy steel, cylindrical with hemispherical heads on each end	84 FR 16310 (Apr. 18, 2019)
50	8479.90.94	Parts of machines and mechanical appliances having individual functions, not specified or included elsewhere in chapter 84, neso	8479.90.9496	Parts of mechanical awnings and shades	84 FR 16310 (Apr. 18, 2019)
51	8479.90.94	Parts of machines and mechanical appliances having individual functions, not specified or included elsewhere in chapter 84, neso	8479.90.9496	Reject doors, pin protectors, liners, front walls, grates, hammers, rotor and end disc caps, and anvil and breaker bars, of iron or steel, the foregoing parts of metal shredders	84 FR 16310 (Apr. 18, 2019)
52	8479.90.94	Parts of machines and mechanical appliances having individual functions, not specified or included elsewhere in chapter 84, neso	8479.90.9496	Steering wheels designed for watercraft, of stainless steel, having a wheel diameter exceeding 27 em but not exceeding 78 em	84 FR 16310 (Apr. 18, 2019)
53	8480.71.80	Molds for rubber or plastics, injection or compression types, other than for shoe machinery or for manufacture of semiconductor devices	8480.71.8045	N/A	83 FR 67463 (Dec. 28, 2019)
54	8481.30.20	Check valves of iron or steel for pipes, boiler shells, tanks, vats or the like	8481.30.2090	Check valves of steel having an internal diameter not less than 4.8 cm or exceeding 62.5 cm	84 FR 32821 (July 9, 2019)

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55	8481.30.90	Check valves other than of copper or iron or steel, for pipes, boiler shells, tanks, vats or the like	8481.30.9000	Check valves, of acrylonitrile butadiene styrene (ABS), each weighing 120 g or less	84 FR 11152 (Mar 25, 2019)
56	8481.30.90	Check valves other than of copper or iron or steel, for pipes, boiler shells, tanks, vats or the like	8481.30.9000	Check valves, of plastics	84 FR 11152 (Mar 25, 2019)
57	8481.40.00	Safety or relief valves for pipes, boiler shells, tanks, vats or the like	8481.40.0000	Safety valves, of brass or bronze, containing a fusible element to automatically close the valve at a set temperature, each valued not over \$5	Unpublished 9/2019 FR Notice
58	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Angle cock handle assemblies, of iron and steel, each measuring 11.43 em by 21.59 em by 5.08 em and weighing 0.748 kg	83 FR 67463 (Dec. 28, 2019)
59	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Armatures designed for use in hydraulic solenoid valves	84 FR 21389 (May 14, 2019)
60	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	C-poles, of steel, designed for use in hydraulic solenoid control valves	84 FR 21389 (May 14, 2019)
61	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Housings designed for hydraulic ball valves, of cast iron or steel, each measuring 5.7 cm by 3.2 cm and weighing 0.528 kg	84 FR 21389 (May 14, 2019)
62	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Metering spools, of aluminum, designed for use in hydraulic solenoid control valves	84 FR 21389 (May 14, 2019)
63	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Metering spools, of steel, designed for use in hydraulic solenoid control valves	84 FR 21389 (May 14, 2019)
64	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Poles, of steel, designed for use in hydraulic solenoid control valves	84 FR 21389 (May 14, 2019)
65	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Push pins, of steel, designed for use in hydraulic solenoid control valves	84 FR 21389 (May 14, 2019)
66	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9040	Retainers, of steel, designed for use in hydraulic solenoid control valves	84 FR 21389 (May 14, 2019)
67	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9060	Foot valve housings, of a kind incorporated in paint spraying apparatus, with no external measurement greater than 5 cm	Unpublished 9/2019 FR Notice
68	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9060	Bodies of pressure-reducing valves other than hand-operated or check valves and valves classified in 8481.20, such bodies of brass	84 FR 32821 (July 9, 2019)
69	8481.90.90	Parts of taps, cocks, valves and similar appliances for pipes, boiler shells, tanks, vats or the like, nesi	8481.90.9060	Bodies of valves other than handoperated or check valves and valves classified in 8481.20, such bodies measuring over 18 cm but not exceeding 19 cm in length, valued over \$55 but not over \$65 per unit	84 FR 32821 (July 9, 2019)
70	8482.10.50	Ball bearings other than ball bearings with integral shafts	8482.10.5016	Flanged wheel hub bearing units with ball bearings, each having an inner diameter exceeding 2.2 cm but not exceeding 2.8 cm; and	84 FR 32821 (July 9, 2019)
71	8482.10.50	Ball bearings other than ball bearings with integral shafts	8482.10.5024	Wheel hub angular contact bearing units, not flanged, valued over \$2 but not over \$10 per unit	84 FR 32821 (July 9, 2019)
72	8482.10.50	Ball bearings other than ball bearings with integral shafts	8482.10.5032	Ball bearings of a width not exceeding 30 mm	84 FR 16310 (Apr. 18, 2019)
73	8482.10.50	Ball bearings other than ball bearings with integral shafts	8482.10.5044	N/A	83 FR 67463 (Dec. 28, 2019)
74	8482.10.50	Ball bearings other than ball bearings with integral shafts	8482.10.5048	N/A	83 FR 67463 (Dec. 28, 2019)
75	8482.10.50	Ball bearings other than ball bearings with integral shafts	8482.10.5052	N/A	83 FR 67463 (Dec. 28, 2019)
76	8482.10.50	Ball bearings other than ball bearings with integral shafts	8482.10.5060	Double row ball bearings having an inner diameter exceeding 15 mm but not exceeding 32 mm, an outer diameter exceeding 38 mm but not exceeding 64 mm and a width exceeding 15 mm but not exceeding 29 mm	84 FR 25895 (June 4, 2019)
77	8482.40.00	Needle roller bearings	8482.40.0000	Needle roller bearings of a width not exceeding 30 mm	84 FR 25895 (June 4, 2019)
78	8482.40.00	Needle roller bearings	8482.40.0000	Needle roller bearings having an inside diameter of 2.54 cm, an outside diameter of 3.33 cm and a width of 3.81 cm and having cylindrical rollers of a uniform diameter not exceeding 5 mm and having a length which is at least three times the diameter	Unpublished 9/2019 FR Notice
79	8482.99.05	Inner or outer rings or races for ball bearings	8482.99.0500	Outer bearing rings	84 FR 25895 (June 4, 2019)
80	8482.99.05	Inner or outer rings or races for ball bearings	8482.99.0500	Inner bearings rings	84 FR 32821 (July 9, 2019)
81	8482.99.65	Parts of other ball or roller bearings, nesi	8482.99.6595	Bearing shields	84 FR 25895 (June 4, 2019)
82	8483.40.90	Gears and gearing, other than toothed wheels, chain sprockets and other transmission elements entered separately	8483.40.9000	Non-toothed gears for office printers, each valued not over \$7	84 FR 32821 (July 9, 2019)
83	8487.90.00	Machinery parts, not containing electrical connectors, insulators, coils, contacts or other electrical features and other parts nesi	8487.90.0080	Handles for machinery	84 FR 32821 (July 9, 2019)

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84	8501.10.40	Electric motors of an output of under 18.65 W, other than synchronous valued not over \$4 each	8501.10.4020	Electric motors, AC, permanent split capacitor type, each in a housing with outside diameter of 84 mm or less, with output of 6 W or more but not exceeding 16 W	84 FR 11152 (Mar 25, 2019)
85	8501.10.40	Electric motors of an output of under 18.65 W, other than synchronous valued not over \$4 each	8501.10.4060	Electric motors of a width exceeding 7.5 cm but not exceeding 7.8 cm	84 FR 32821 (July 9, 2019)
86	8501.10.40	Electric motors of an output of under 18.65 W, other than synchronous valued not over \$4 each	8501.10.4060	DC electric motors, of an output of less than 18.65 W, other than brushless, measuring less than 38 mm in diameter	Unpublished 9/2019 FR Notice
87	8501.10.40	Electric motors of an output of under 18.65 W, other than synchronous valued not over \$4 each	8501.10.4060	DC electric motors, of an output of less than 18.65 W, valued over \$4, other than brushless	84 FR 21389 (May 14, 2019)
88	8501.31.20	DC motors nesi, of an output exceeding 37.5 W but not exceeding 74.6 W	8501.31.2000	DC gear motor of an output exceeding 37.5 W but not exceeding 74.6 W, with a spring coupling mechanism, an output shaft and a locking connector	Unpublished 9/2019 FR Notice
89	8501.31.20	DC motors nesi, of an output exceeding 37.5 W but not exceeding 74.6 W	8501.31.2000	DC motor of an output exceeding 37.5 W but not exceeding 74.6 W, an actuator with an adjustable rod end with bushing, a bushing for rear mounting, a power cable and a connector	Unpublished 9/2019 FR Notice
90	8501.31.20	DC motors nesi, of an output exceeding 37.5 W but not exceeding 74.6 W	8501.31.2000	Wound field two-speed DC motors and permanent magnet brushed DC motors, of an output exceeding 67 W but not exceeding 69 W, valued \$8 or more but not exceeding \$17 each	Unpublished 9/2019 FR Notice
91	8501.31.20	DC motors nesi, of an output exceeding 37.5 W but not exceeding 74.6 W	8501.31.2000	DC motors, each valued over \$125, with attached stranded copper cord	84 FR 32821 (July 9, 2019)
92	8501.52.80	AC motors nesi, multi-phase, of an output exceeding 14.92 kW but not exceeding 75 kW	8501.52.8040	AC electric motors, multi-phase, of an output exceeding 14.92 kW but not exceeding 75 kW, other than for use in civil aircraft	84 FR 21389 (May 14, 2019)
93	8501.52.80	AC motors nesi, multi-phase, of an output exceeding 14.92 kW but not exceeding 75 kW	8501.52.8040	AC motors, multi-phase, of an output exceeding 14.92 kW or more but not exceeding 75 kW, not of a kind used in civil aircraft	Unpublished 9/2019 FR Notice
94	8504.40.40	Electrical speed drive controllers for electric motors (static converters)	8504.40.4000	Speed drive controllers for electric motors, designed for use in vehicles using electric motors for propulsion, including but not limited to material handling equipment, golf carts, sweeper scrubbers and aerial lifts, with a value of \$50.00 or more but not exceeding \$700.00	Unpublished 9/2019 FR Notice
95	8504.40.40	Electrical speed drive controllers for electric motors (static converters)	8504.40.4000	Regenerative speed drive controllers for controlling speed of electric motors for elevators	84 FR 25895 (June 4, 2019)
96	8504.40.40	Electrical speed drive controllers for electric motors (static converters)	8504.40.4000	Speed drive controllers for electric motors, each such controller measuring 100 mm or more but not over 130 mm in length, 40 mm or more but not over 125 mm in width and 24 mm or more but not over 85 mm in height	84 FR 25895 (June 4, 2019)
97	8504.40.40	Electrical speed drive controllers for electric motors (static converters)	8504.40.4000	Speed drive controllers for electric motors, the foregoing operating at 250 A or more but not over 500 A	84 FR 25895 (June 4, 2019)
98	8504.40.40	Electrical speed drive controllers for electric motors (static converters)	8504.40.4000	Variable frequency drive controllers for electric motors, each weighing more than 1 kg but not more than 11 kg	84 FR 25895 (June 4, 2019)
99	8504.90.65	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus	8504.90.6500	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus, each measuring 4 cm to 6 cm in width and 10 cm to 12 cm in length, that converts 36 V DC to 90 V AC	84 FR 25895 (June 4, 2019)
100	8504.90.65	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus	8504.90.6500	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus, each measuring 7 cm to 9 cm in width and 18 cm to 20 cm in length, having 2 switches, for power protection to prevent electrical back feeding	84 FR 25895 (June 4, 2019)
101	8504.90.65	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus	8504.90.6500	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus, the foregoing serving as controllers for power supplies, each measuring 5 cm to 7 cm in width and 11 cm to 14 cm in length, having 50 pin on side header	84 FR 25895 (June 4, 2019)
102	8504.90.65	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus	8504.90.6500	Printed circuit assemblies of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus, the foregoing serving as noise filters, each measuring 18 cm to 20 cm in width and 25 cm to 27 cm in length, populated with semiconductor devices and 4 heat sinks	84 FR 25895 (June 4, 2019)
103	8504.90.96	Parts (other than printed circuit assemblies) of electrical transformers, static converters and inductors	8504.90.9690	Inductor baseplates of aluminum, each with a length measuring 149.20 mm or more but not over 275 mm, with a width measuring 119.40 mm or more but not over 232 mm and with a depth of 10.50 mm or more but not over 19 mm, with a weight of 0.48 kg or more but not over 3.2 kg	84 FR 16310 (Apr. 18, 2019)
104	8504.90.96	Parts (other than printed circuit assemblies) of electrical transformers, static converters and inductors	8504.90.9650	Static converter covers, bases and housings	84 FR 32821 (July 9, 2019)
105	8514.90.80	Parts of industrial or laboratory electric furnaces and ovens other than industrial or laboratory induction or dielectric heating equipment	8514.90.8000	Furnace casings	84 FR 32821 (July 9, 2019)
106	8514.90.80	Parts of industrial or laboratory electric furnaces and ovens other than industrial or laboratory induction or dielectric heating equipment	8514.90.8000	Structural components for industrial furnaces	84 FR 32821 (July 9, 2019)
107	8515.11.00	Electric soldering irons and guns	8515.11.0000	Battery powered soldering irons or soldering guns, not over 18 cm in length	84 FR 11152 (Mar 25, 2019)

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108	8515.19.00	Electric brazing or soldering machines and apparatuses, other than soldering irons and Guns	8515.19.0000	Manually operated rework stations, including soldering/desoldering stations	84 FR 32821 (July 9, 2019)
109	8515.19.00	Electric brazing or soldering machines and apparatus, other than soldering irons and Guns	8515.19.0000	Soldering stations, consisting of a benchtop power source, a hand piece, a power cord and work stand, operating by the power source providing electric radio frequency current to heat the hand piece	Unpublished 9/2019 FR Notice
110	8515.39.00	Electric machines and apparatus for arc (including plasma arc) welding of metals, other than fully or partly automatic	8515.39.0020	Machines and apparatus for arc (including plasma arc) welding, each valued not over \$500	84 FR 32821 (July 9, 2019)
111	8515.90.40	Parts of electric soldering or brazing machines & apparatus, & electric apparatus for hot spraying of metals or sintered metal carbides	8515.90.4000	Parts of soldering irons and soldering machines	84 FR 16310 (Apr. 18, 2019)
112	8532.21.00	Tantalum fixed capacitors	8532.21.0050	Tantalum capacitors having a conductive polymer cathode, valued not over \$4 per unit	84 FR 32821 (July 9, 2019)
113	8532.21.00	Tantalum fixed capacitors	8532.21.0050	Tantalum capacitors, each measuring 7.3 mm by 4.3 mm by 1.9 mm and valued not over \$4	84 FR 32821 (July 9, 2019)
114	8532.22.00	Aluminum electrolytic fixed capacitors	8532.22.0085	Aluminum electrolytic capacitors, each valued not over \$2.50	84 FR 32821 (July 9, 2019)
115	8532.22.00	Aluminum electrolytic fixed capacitors	8532.22.0085	Aluminum electrolytic fixed capacitors, exceeding 51 mm in diameter, each valued over \$6.50 but not over \$8	Unpublished 9/2019 FR Notice
116	8532.24.00	Ceramic dielectric fixed capacitors, multilayer	8532.24.0020	Multi-layer ceramic, temperature-stable capacitors (temperature coefficient 5XR), with 47 microfarad capacitance, measuring 2 mm by 1.25 mm by 1.25 mm, valued at \$0.08 or more but not exceeding \$0.12 per piece	Unpublished 9/2019 FR Notice
117	8533.10.00	Electrical fixed carbon resistors, composition or film types	8533.10.0065	Fixed electrical carbon film resistors, not designed for surface mounting by contact, having two leads, with a power handling capacity not over 1 W	Unpublished 9/2019 FR Notice
118	8533.21.00	Electrical fixed resistors, other than composition or film type carbon resistors, for a power handling capacity not exceeding 20 W	8533.21.0080	Wirewound fixed electrical resistors with a power handling capacity not over 20 W, and with a core of glass, ceramic or metal oxide file	Unpublished 9/2019 FR Notice
119	8533.21.00	Electrical fixed resistors, other than composition or film type carbon resistors, for a power handling capacity not exceeding 20 W	8533.21.0090	Thermistors of ceramic metal oxide, each with two leads	Unpublished 9/2019 FR Notice
120	8533.40.80	Electrical variable resistors, other than wirewound, including rheostats and Potentiometers	8533.40.8040	Contact sensors, of a kind used to detect the pressing and releasing of an automotive accelerator pedal, comprising a ceramic board and a rotor housed in a molded plastics body, which together create a potentiometer (rheostat) controlling the actuation of the engine throttle, valued at \$6.70 or more but not exceeding \$7.55 per piece	Unpublished 9/2019 FR Notice
121	8536.30.40	Electrical motor overload protectors, for a voltage not exceeding 1,000 V, nesi	8536.30.4000	Motor overload protectors, in 1 pole, 2 pole or 3 pole configurations, with electric current load ratings up to 60 A, measuring 19 mm or more but not exceeding 57 mm in height, 102 mm in length, and 76 mm in width, and valued at \$6.00 or more but not exceeding \$8.40 per piece	Unpublished 9/2019 FR Notice
122	8536.41.00	Relays for switching, protecting or making connections to or in electrical circuits, for a voltage not exceeding 60 V	8536.41.0045	Contactors, for a voltage not exceeding 60 V and with contacts rated at or more than 10 A, each valued not over \$18	84 FR 32821 (July 9, 2019)
123	8536.41.00	Relays for switching, protecting or making connections to or in electrical circuits, for a voltage not exceeding 60 V	8536.41.0045	Three-pole contactors, operating at 12 to 60 V, with a plastics housing enclosing three movable, silver cadmium oxide contacts (normally open only) rated at 50 A or more but not exceeding 60 A, an electromagnetic coil, a coil spring, coil terminals, polyester actuator, stationary terminals supported by a polyester component, a coil dust cover and an optional insert for an auxiliary switch, valued at \$9.00 or more but not exceeding \$10.00 per piece	Unpublished 9/2019 FR Notice
124	8536.41.00	Relays for switching, protecting or making connections to or in electrical circuits, for a voltage not exceeding 60 V	8536.41.0050	Electromechanical relays, for a voltage not exceeding 24 V, other than automotive flashers, with contacts rated at 10 A or more, measuring not over 80 mm in any dimension	84 FR 25895 (June 4, 2019)
125	8536.49.00	Relays for switching, protecting or making connections to or in electrical circuits, for a voltage exceeding 60 but not exceeding 1,000 V	8536.49.0075	Electromechanical relays, for a voltage exceeding 60 V but not over 250 V, with contacts rated at 10 A or more	84 FR 21389 (May 14, 2019)
126	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9025	Rotary switches, rated at over 5 A, measuring not more than 5.5 cm by 5.0 cm by 3.4 cm, each with 2 to 8 spade terminals and an actuator shaft with D-shaped cross section	84 FR 32821 (July 9, 2019)
127	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9025	Rotary switches, single pole, single throw (SPST), rated at over 5 A, each measuring not more than 14.6 cm by 8.9 cm by 14.1 cm	84 FR 32821 (July 9, 2019)
128	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9031	Momentary contact switches rated at or under 5 A, each designed for use as a motor vehicle overdrive switch	84 FR 32821 (July 9, 2019)
129	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9031	Momentary contact switches rated at or under 5 A, valued not over \$4 per unit	84 FR 32821 (July 9, 2019)

No.	Eight-Digit Subheading Requested by NAFEM	Description by NAFEM	Ten-Digit Subheading Granted by USTR	Description by USTR	Source
130	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9065	Rocker switches, for a voltage not exceeding 1,000 V, designed for use in motor vehicles	84 FR 32821 (July 9, 2019)
131	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9020	Rotary switches for a voltage not exceeding 1,000 V, rated at not over 5 A, containing an aluminum shaft in a push-button actuator connected to a nylon housing containing a printed circuit board	Unpublished 9/2019 FR Notice
132	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9031	Momentary contact push-button switches rated at 9 V or more but not exceeding 16 V and not over 50mA, with no dimension exceeding 70 mm	Unpublished 9/2019 FR Notice
133	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9033	Push-button and proximity switches rated at not over 5 A, designed for automotive gearshift applications, with or without connectors	Unpublished 9/2019 FR Notice
134	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches rated at over 5 A but not exceeding 20 A, each article having external connections permitting the switch to be wired in either normally open or normally closed configuration	Unpublished 9/2019 FR Notice
135	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 2.9 cm by 2.9 cm by 2.9 cm, with 4 spade or brass terminals, with an actuator shaft with D-shaped cross section	84 FR 21389 (May 14, 2019)
136	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 4.8 cm by 2.8 cm by 2.8 cm, with 2 spade or brass terminals	84 FR 21389 (May 14, 2019)
137	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 5 cm by 1.7 cm by 1.9 cm, with 2 spade or brass terminals, with an actuator shaft with Dshaped cross section	84 FR 21389 (May 14, 2019)
138	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 14.4 cm by 11.6 cm by 6.4 cm	84 FR 25895 (June 4, 2019)
139	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 14.6 cm by 8 cm by 14.1 cm	84 FR 25895 (June 4, 2019)
140	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 19.1 cm by 8.3 cm by 14.1 cm	84 FR 25895 (June 4, 2019)
141	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 19.7 cm by 11.8 cm by 8.3 cm	84 FR 25895 (June 4, 2019)
142	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 19.7 cm by 9.8 cm by 16.5 cm	84 FR 25895 (June 4, 2019)
143	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 21 cm by 13.3 cm by 9 cm	84 FR 25895 (June 4, 2019)
144	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 23.5 cm by 8 cm by 13.1 cm	84 FR 25895 (June 4, 2019)
145	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-button switches, rated at over 5 A, measuring no more than 6 cm by 14.1 cm by 11 cm	84 FR 25895 (June 4, 2019)
146	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9035	Push-pull switches, for a voltage not exceeding 1,000 V, designed for use in motor vehicles	84 FR 25895 (June 4, 2019)
147	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9040	Snap-action switches, each designed for installation in a wall-mounted enclosure or electrical box	84 FR 21389 (May 14, 2019)
148	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9065	Rocker switches, for a current of 16 A or more but not exceeding 20 A	Unpublished 9/2019 FR Notice
149	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9065	Motor vehicle gear shift switch assemblies, comprised of a plunger, connector and gear shift lever	84 FR 16310 (Apr. 18, 2019)
150	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9065	Pressure switches designed for use in heat pumps and air-conditioning condensers having a rating of 1.90 megapascals or more but not over 4.55 megapascals	84 FR 16310 (Apr. 18, 2019)
151	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9065	Switches for domestic clothes dryers, valued over 35 cents but not over 40 cents each	Unpublished 9/2019 FR Notice
152	8536.50.90	Switches nesoi, for switching or making connections to or in electrical circuits, for a voltage not exceeding 1,000 V	8536.50.9065	Switches incorporated into latches for domestic appliances, valued over \$ 0.90 but not over \$1.25 each	Unpublished 9/2019 FR Notice
153	8536.69.40	Connectors: coaxial, cylindrical multicontact, rack and panel, printed circuit, ribbon or flat cable, for a voltage not exceeding 1,000 V	8536.69.4010	BNC straight radio frequency (RF) male-pin cylindrical connector/terminator plugs, for a voltage not exceeding 1,000 V, with impedance of 51 ohms, rated up to 1 W, measuring not over 29 mm long by 15 mm in diameter	Unpublished 9/2019 FR Notice
154	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Electrical connectors, for a voltage not exceeding 1,000 V, of a kind used to make electrical connections in ballast lighting	Unpublished 9/2019 FR Notice
155	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Bullet connectors, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)

No.	Eight-Digit Subheading Requested by NAFEM	Description by NAFEM	Ten-Digit Subheading Granted by USTR	Description by USTR	Source
156	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Butt connectors, other than closed end, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
157	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Closed-end butt connectors, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
158	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Crimp connectors, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
159	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Insulated tab electrical connectors and tab receptacle electrical connectors, for a voltage not exceeding 1,000 V, crimp-type, with either a tab measuring not over 6.4 mm in width or a receptacle for tabs measuring not over 6.4 mm in width	84 FR 25895 (June 4, 2019)
160	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Junction blocks, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
161	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Lug connectors, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
162	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Ring connectors, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
163	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Spade connectors, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
164	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Spring clip ("alligator clip") terminals, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
165	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Terminal blocks, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
166	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Wire tap connectors, for a voltage not exceeding 1,000 V	84 FR 25895 (June 4, 2019)
167	8536.90.40	Electrical terminals, electrical splicers and electrical couplings, wafer probers, for a voltage not exceeding 1,000 V	8536.90.4000	Magnesium anodes, each not exceeding 48 kg in weight	84 FR 25895 (June 4, 2019)
168	8537.10.80	Touch screens without display capabilities for incorporation in apparatus having a Display	8537.10.8000	N/A	84 FR 25895 (June 4, 2019)
169	8538.10.00	Parts of boards, panels, consoles, desks, cabinets and other bases for the goods of heading 8537, not equipped with their apparatus	8538.10.0000	Enclosures of alloy steel, containing all the electrical components for underground mining machinery, such enclosures weighing more than 15 t	Unpublished 9/2019 FR Notice
170	8538.90.60	Molded parts nesi, suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537	8538.90.6000	Knobs of injection molded plastics	84 FR 11152 (Mar 25, 2019)
171	8538.90.60	Molded parts nesi, suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537	8538.90.6000	Molded buttons	84 FR 32821 (July 9, 2019)
172	8538.90.60	Molded parts nesi, suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537	8538.90.6000	Molded housings and covers	84 FR 32821 (July 9, 2019)
173	8538.90.60	Molded parts nesi, suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537	8538.90.6000	Polycarbonate cap-shaped covers capable of fitting over a raised control button such as that located on an electronic pet-collar apparatus, each cover 0.39 mm in diameter and 0.134 mm in height	Unpublished 9/2019 FR Notice
174	8538.90.81	Other parts nesi, suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537	8538.90.8120	Tanks for dead tank circuit breakers, of aluminum	84 FR 32821 (July 9, 2019)
175	8538.90.81	Other parts nesi, suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537	8538.90.8120	Bodies of gas circuit breakers for electrical utilities, with installed interrupters, each weighing more than 800 kg	Unpublished 9/2019 FR Notice
176	8539.90.00	Parts of electrical filament or discharge lamps	8539.90.0000	Molybdenum foil filament assemblies, designed for use in ultraviolet lamps	84 FR 11152 (Mar 25, 2019)
177	8543.30.90	Other electrical machines and apparatus for electroplating, electrolysis, or Electrophoresis	8543.30.9080	Aluminum anodes for use with machines and apparatus for electroplating, electrolysis or electrophoresis	84 FR 32821 (July 9, 2019)
178	8543.30.90	Other electrical machines and apparatus for electroplating, electrolysis, or Electrophoresis	8543.30.9080	Chlorine generator chambers containing titanium plates for use with machines and apparatus for electroplating, electrolysis or electrophoresis	84 FR 32821 (July 9, 2019)
179	8543.30.90	Other electrical machines and apparatus for electroplating, electrolysis, or Electrophoresis	8543.30.9080	Zinc anodes for use with machines and apparatus for electroplating, electrolysis or electrophoresis	84 FR 32821 (July 9, 2019)

No.	Eight-Digit HTS Subheading Requested by NAFEM	Description by NAFEM	Ten-Digit HTS Subheading Granted by USTR	Description by USTR
1	3901.90.10	Polymers of ethylene, nesoi, in primary forms, elastomeric	3901.90.1000	Chlorinated polyethylene elastomer, in white or pale yellow powder form, containing 28 to 44 percent by weight of chlorine
2	3904.61.00	Polytetrafluoroethylene (PTFE), in primary forms	3904.61.0090	Polytetrafluoroethylene (PTFE), having a particle size of 5 to 500 microns and a melting point of 315 to 329 degrees Celsius
3	3906.90.20	Acrylic plastics polymers (except PMMA), in primary forms, nonelastomeric	3906.90.2000	Expandable plastics beads, 0.30 to 0.50 mm in diameter, consisting of copolymers of methymethacrylate (62 to 84 percent by weight) and styrene (26 to 28 percent by weight)
4	3906.90.50	Acrylic polymers (except plastics or elastomers), in primary forms, nesoi	3906.90.5000	Acrylic acid-2-acrylamido-2-methylpropanesulfonic acid-acrylic ester (AA/AMPS/HPA) terpolymers, presented in dry form
5	3906.90.50	Acrylic polymers (except plastics or elastomers), in primary forms, nesoi	3906.90.5000	Copolymers of acrylic acid and 2-acrylamido-2-methylpropanesulfonic acid, valued at \$5.40 to \$5.60 per kg
6	3906.90.50	Acrylic polymers (except plastics or elastomers), in primary forms, nesoi	3906.90.5000	Pet urine collection and disposal kits, put up in retail packaging, each comprising seven disposable trays of plastics measuring 8.3 cm in depth, 27.9 cm in length, and 16.5 cm in width, one scoop of plastics and one bottle containing 42 g of absorbent sodium acrylate powder
7	3907.20.00	Polyethers, other than polyacetals, in primary forms	3907.20.0000	Polyol blends containing 92 percent or more by weight of polyether polyol (CAS number 9049-71-2) and 2.5% or more by weight of N,N-dimethylcyclohexanone
8	3911.10.00	Petroleum resins, coumarone, indene, or coumarone-indene resins and polyterpenes, in primary forms	3911.10.0000	Granular hydrocarbon resins, each pellet not larger than 1 cm in any dimension and having a melting point greater than 95 degrees C but not greater than 105 degrees C, presented in immediate packings of paper, paperboard or kraft paper weighing with their contents greater than 23 g but not greater than 27 g
9	3911.10.00	Petroleum resins, coumarone, indene, or coumarone-indene resins and polyterpenes, in primary forms	3911.10.0000	Elastomeric petroleum resins (CAS No. 64742-16-1)
10	3917.23.00	Tubes, pipes and hoses, rigid, of polymers of vinyl chloride	3917.23.0000	Hose of braided polyvinyl chloride, having crimped fittings, designed to carry water, valued not over \$2.00 per kg
11	3917.29.00	Tubes, pipes and hoses, rigid, of other plastics nesoi	3917.29.0090	Molded acrylonitrile-butadiene-styrene (ABS) tubes, of a kind used to effect the sterile transfer of fluid from a bag or vial to another container, each tube measuring 7.5 cm or more but not exceeding 23 cm in length, with an inner diameter of less than 0.65 cm and an outer diameter of less than 9 mm, one end having been angle-cut to form a spike, and having an integrated flange, less than 3 cm in diameter (splash guard) near the spike end and removable polyethylene caps on each end, put up in sterile packing
12	3917.29.00	Tubes, pipes and hoses, rigid, of other plastics nesoi	3917.29.0090	Polymer strips curled in helical fashion to form a flexible tube having a constant circular cross-section with a diameter not exceeding 2 cm
13	3917.32.00	Tubes, pipes and hoses, of plastics, other than rigid, not reinforced or otherwise combined with other materials, without fittings	3917.32.0050	Drinking straws, of plastics, each straw 8 mm or more in outside diameter and 20 cm or more in length
14	3917.32.00	Tubes, pipes and hoses, of plastics, other than rigid, not reinforced or otherwise combined with other materials, without fittings	3917.32.0020	Flexible tubes, pipes and hoses, of cross-linked polyethylene (PEX), each measuring 6.1 m in length and having an outside diameter of 9.5 mm or more
15	3917.40.00	Fittings of plastics, for plastic tubes, pipes and hoses, nesoi	3917.40.0090	Bulkhead fittings, each comprising a hollow, threaded cylindrical body with a hexagonal or octagonal head on one end, of a length 9.53 cm or more but not
16	3917.40.00	Fittings of plastics, for plastic tubes, pipes and hoses, nesoi	3917.40.0090	Polyacetal brackets for connectors, of a length measuring 3.84 cm or more but not exceeding 4.57 cm, a width of 0.838 cm and a height of 2.15 cm
17	3917.40.00	Fittings of plastics, for plastic tubes, pipes and hoses, nesoi	3917.40.0090	Polyacetal filters measuring 3.76 cm x 3.76 cm x 0.31 cm
18	3917.40.00	Fittings of plastics, for plastic tubes, pipes and hoses, nesoi	3917.40.0090	Polyacetal hose barb fittings, with a length of 2.27 cm, width of 0.99 cm and height of 2.29 cm
19	3917.40.00	Fittings of plastics, for plastic tubes, pipes and hoses, nesoi	3917.40.0090	Tube, pipe and hose couplings and connectors of plastics, with maximum outside dimensions of 6.5 cm by 6.35 cm by 6.35 cm
20	3917.40.00	Fittings of plastics, for plastic tubes, pipes and hoses, nesoi	3917.40.0090	Y-shaped fittings of plastics, each measuring 6.99 cm in length and 3.18 cm or more but not exceeding 3.81 cm in width and height, incorporating a valve stem of plastics and brass in its center
21	3919.90.50	Self-adhesive plates, sheets, other flat shapes, of plastics, not having a light-reflecting surface produced by glass grains, nesoi	3919.90.5060	Hot melt flat shapes of biaxially-oriented polypropylene (BOPP) film with an acrylic emulsion
22	3919.90.50	Self-adhesive plates, sheets, other flat shapes, of plastics, not having a light-reflecting surface produced by glass grains, nesoi	3919.90.5060	Polyethylene film, 20.32 to 198.12 cm in width, and 30.5 to 2000.5 m in length, coated on one side with solvent acrylic adhesive, clear or in transparent colors, whether or not printed, in rolls
23	3919.90.50	Self-adhesive plates, sheets, other flat shapes, of plastics, not having a light-reflecting surface produced by glass grains, nesoi	3919.90.5060	Polyvinyl chloride film, coated on one side with pressure sensitive solvent-acrylic adhesive that allows for easy removal from a flat glass or flat, rigid, clear plastics surface, 106.7 cm, 137.2 cm or 152.4 cm in width, and 30.38 m or 49.99 m in length, with regular perforations measuring 1.5 to 1.6 mm in diameter, where the perforations cover 30, 40 or 50 percent of the surface area
24	3919.90.50	Self-adhesive plates, sheets, other flat shapes, of plastics, not having a light-reflecting surface produced by glass grains, nesoi	3919.90.5060	Printed rectangular polyethylene sheets depicting images on one side, with self-adhesive edges protected with peel-off liners on the other side, measuring 30.5 cm by 45.7 cm or 30.5 cm by 25.4 cm
25	3919.90.50	Self-adhesive plates, sheets, other flat shapes, of plastics, not having a light-reflecting surface produced by glass grains, nesoi	3919.90.5060	Self-adhesive colored or printed polyvinyl chloride film with a peelable liner, in rolls, measuring 30.5 cm
26	8419.89.95	Industrial machinery, plant or equipment for the treatment of materials, by process involving a change in temperature, nesoi	8419.89.9540	Cold plates for preparing tissue samples
27	8419.89.95	Industrial machinery, plant or equipment for the treatment of materials, by process involving a change in temperature, nesoi	8419.89.9540	Quenching devices designed to lower the temperature of steel plate using water, each consisting of top cooling headers, bottom cooling headers, a side sweep header, a common control manifold that feeds all the headers, a main supporting frame to support all bottom headers and bottom rolls, a top header supporting sub-frame to support the top headers and top rolls, five top and five bottom rolls, neck bearings, drives and on board piping
28	8419.89.95	Industrial machinery, plant or equipment for the treatment of materials, by process involving a change in temperature, nesoi	8419.89.9585	Heat guns
29	8419.89.95	Industrial machinery, plant or equipment for the treatment of materials, by process involving a change in temperature, nesoi	8419.89.9585	Heated tissue preparation microscope slide flattening tables
30	8419.89.95	Industrial machinery, plant or equipment for the treatment of materials, by process involving a change in temperature, nesoi	8419.89.9585	Tissue sample paraffin floatation baths
31	8419.89.95	Industrial machinery, plant or equipment for the treatment of materials, by process involving a change in temperature, nesoi	8419.89.9585	Cold plate machines, each incorporating a flat heat-absorbing metal plate capable of lowering the temperature of paraffin from a liquid to a solid phase, designed for use with microtomes
32	8419.89.95	Industrial machinery, plant or equipment for the treatment of materials, by process involving a change in temperature, nesoi	8419.89.9585	Machinery incorporating heat exchangers, valves, pumps, pipes, wiring and instrumentation, designed to change the temperature of gas
33	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Air amplifiers powered solely by an external source of compressed air, which is routed through the apparatus in such a manner as to draw in ambient air, increase its speed and direct the air through an output port, each such apparatus not exceeding 1 kg in weight

No.	Eight-Digit HTS Subheading Requested by NAFEM	Description by NAFEM	Ten-Digit HTS Subheading Granted by USTR	Description by USTR
34	8424.89.90	Other mechanical appliances for projecting, change in temperature, nesoi	8424.89.9000	Apparatus capable of generating and projecting liquid particles of a size that simulates haze, fog or snow (depending on the composition of the liquid or powdered source), whether or not incorporating laser or other lighting apparatus
35	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Apparatus capable of mechanically generating and projecting bubbles from a liquid source, each apparatus weighing more than 2.5 kg but not more than 6.5 kg
36	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Aroma-spraying sets, each of which includes a battery powered aerosol apparatus and a glass bottle containing not more than 25 ml of essential oil solution, each set weighing not more than 300 g
37	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Collars of a size suitable for dogs or cats, fitted with a means to provide a stimulus to the animal, by means of a sprayer, whether or not combined with a static electric discharge device or sound emitter; and such collars capable of being controlled by an external transmission device, whether or not the controller is presented with the collar as a set
38	8424.89.90	Other mechanical appliances for projecting,	8424.89.9000	Dispensers of hand-cleaning or hand-sanitizing solutions, whether employing a manual pump or a proximity-detecting battery-operated pump, each article weighing not more than 3 kg
39	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Oral irrigators (dental water-jet machines)
40	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Parts washers, each consisting of a steel basin having a capacity no
41	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Rotary surface washers, consisting of a tube, at one end of which is a fitting suitable for connection to an external power washer and a handle for controlling the position of the apparatus, and at the other end of which is an assembly of one or more rotating brushes that receive the output of the external power washer
42	8424.89.90	Other mechanical appliances for projecting, dispersing or spraying liquids or powders, nesoi	8424.89.9000	Wet- and dry-diffusion apparatus fitted for incorporation into scent-releasing machines
43	8464.10.01	Sawing machines for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold working glass	8464.10.0100	Tile saws
44	8465.95.00	Drilling or mortising machines for working wood, cork, bone, hard rubber, hard plastics or similar hard materials	8465.95.0055	Benchtop drill presses, each with a power rating of less than 750 watts and valued under \$1,000 each
45	8465.95.00	Drilling or mortising machines for working wood, cork, bone, hard rubber, hard plastics or similar hard materials	8465.95.0065	Mortising machines, each incorporating a work holder that moves on x y axes, with a power rating not over 375 W (1/2 horsepower)
46	8475.29.00	Machines for manufacturing or hot working glass or glassware, nesoi	8475.29.0000	Machines for manufacturing laminated or insulated glass, each machine valued over \$100,000
47	8501.10.20	Electric motors of an output of under 18.65 W, synchronous, valued not over \$4 each	8501.10.2000	Stepper motors, with an output of under 18.65 W, valued not over \$1.20 ea.
48	8501.10.60	Electric motors of an output of 18.65 W or more but not exceeding 37.5 W	8501.10.6020	AC motors, of 18.65 W or more but not exceeding 37.5 W, each with attached actuators, crankshafts or gears
49	8501.10.60	Electric motors of an output of 18.65 W or more but not exceeding 37.5 W	8501.10.6020	C-frame 2-pole AC electric motors, of 18.65 W or more but not exceeding 37.5 W, each valued not over \$4
50	8501.10.60	Electric motors of an output of 18.65 W or more but not exceeding 37.5 W	8501.10.6040	Brushless DC motors, rated at 24V, designed for use in saltwater aquariums
51	8501.10.60	Electric motors of an output of 18.65 W or more but not exceeding 37.5 W	8501.10.6080	Electric motors, of 18.65 W or more but not exceeding 37.5 W, each valued over \$28 but not over \$35
52	8501.10.60	Electric motors of an output of 18.65 W or more but not exceeding 37.5 W	8501.10.6020	AC electric motors, of an output of 18.65 W or more but not exceeding 37.5 W, each with attached actuators
53	8501.10.60	Electric motors of an output of 18.65 W or more but not exceeding 37.5 W	8501.10.6060	Swing-gate openers comprising a DC motor with an output of 18.65 W or more but less than 35 W, each including an AC power transformer, a wireless remote control, an electric linear actuator and an emergency key for disconnecting the actuator
54	8501.10.60	Electric motors of an output of 18.65 W or more but not exceeding 37.5 W	8501.10.6080	Electric motors, with an output of 18.65 W or more but not exceeding 37.5 W, with attached cables, designed for use in adjusting motor vehicle seats
55	8501.20.40	Universal AC/DC motors of an output exceeding 74.6 W but not exceeding 735 W	8501.20.4000	Universal AC/DC electric motors, with an output exceeding 74.6 W but not exceeding 735 W each with base metal arms, designed for use in extending or retracting awnings or gates
56	8501.20.40	Universal AC/DC motors of an output exceeding 74.6 W but not exceeding 735 W	8501.20.4000	Universal AC/DC electric motors, with an output exceeding 74.6 W but not exceeding 735 W, each with attached gear and gear rack track
57	8501.20.40	Universal AC/DC motors of an output exceeding 74.6 W but not exceeding 735 W	8501.20.4000	Universal AC/DC electric motors, with an output exceeding 74.6 W but not exceeding 735 W, each with gear attached and chain drive
58	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 12 V, with an output exceeding 74.6 W but not exceeding 735 W, with lead wires and electrical connector, measuring not over 75 mm outside diameter, with a housing not over 100 mm in length and a shaft not over 60 mm in length
59	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 12 V, with an output not exceeding 515 W, measuring not over 95 mm in outside diameter, not over 155 mm in length and with a shaft not over 30 mm in length
60	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 120 V, with an output not exceeding 140 W, measuring not over 45 mm in diameter and not over 100 mm in length
61	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 120 V, with an output not exceeding 90 W, measuring not over 90 mm long by 35 mm wide by 35 mm high
62	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 13.5 V, with an output not exceeding 110 W, measuring not over 75 mm outside diameter, housing not over 120 mm long, a shaft not over 55 mm long and with a mounting flange not over 150 mm
63	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 230 V, with an output not exceeding 140 W, measuring not more than 45 mm in diameter and not over 100 mm in length
64	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 230 V, with output not exceeding 85 W, measuring not more than 90 mm in length by 35 mm in width by 35 mm in height
65	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 24 V, with an output exceeding 74.6 W but not exceeding 735 W, with mounting plate, lead wires and electrical connector, measuring not over 80 mm outside diameter, housing not over 150 mm in length and shaft not over 95 mm in length
66	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 24 V, with an output not exceeding 105 W, measuring not over 260 mm in length by 205 mm in width by 825 mm in height
68	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, 24 V, with an output not exceeding 515 W, measuring not over 95 mm in outside diameter, not over 155 mm in length and with a shaft not over 30 mm in length
69	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, with an output exceeding 74.6 W but not exceeding 735 W, containing lead wires and an electrical connector
70	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC electric motors, with an output exceeding 74.6 W but not exceeding 80 W, each with a pinion gear, valued not over \$5
71	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC motors with a power output exceeding 74.6 W but not exceeding 230 W, measuring less than 105 mm in diameter and 50 mm or more but not over 100 mm in length
72	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	DC motors, of an output exceeding 74.6 W but not exceeding 735 W, each valued not over \$18
73	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	Direct Current (DC) permanent magnet motors rated at 90 W or more but not over 110 W and 24 V with torque of 65 Newton meters (Nm) and 2.035 Nm, incorporating a wheel that can manually actuate a valve

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74	8501.31.40	DC motors, nesoi, of an output exceeding 74.6 W but not exceeding 735 W	8501.31.4000	Resin-encapsulated DC permanent magnet brushless motors, with an output of 150 W or more but not exceeding 250 W, designed for use in air conditioning and heat pump systems, measuring 112 mm in diameter and 110 mm or more but not exceeding 122 mm in length (excluding shafts)
75	8501.31.80	DC generators of an output not exceeding 750W	8501.31.8010	Amorphous silicon solar chargers with a power output of 100 W or less
76	8501.31.80	DC generators of an output not exceeding 750W	8501.31.8010	Amorphous silicon solar panel kits, each with an output of 100 W or less
77	8501.31.80	DC generators of an output not exceeding 750W	8501.31.8010	Photovoltaic generators of a kind described in statistical note 9 to chapter 85, of an output not exceeding 150 W
78	8501.32.20	DC motors nesoi, of an output exceeding 750 W but not exceeding 14.92 kW	8501.32.2000	DC motors, each of an output exceeding 25 W but not exceeding 2.0 kW
79	8501.32.20	DC motors nesoi, of an output exceeding 750 W but not exceeding 14.92 kW	8501.32.2000	DC motors, each of an output not exceeding 25 W
80	8501.32.20	DC motors nesoi, of an output exceeding 750 W but not exceeding 14.92 kW	8501.32.2000	DC motors, of an output exceeding 750 W but not exceeding 14.92 kW, each with attached actuators, crankshafts or gears
81	8501.52.40	AC motors nesoi, multi-phase, of an output exceeding 750 W but not exceeding 14.92 kW	8501.52.4000	Electric motors, each with an output rating not exceeding 800 W
82	8536.30.80	Electrical apparatus for protecting electrical circuits, for a voltage not exceeding 1,000 V, nesoi	8536.30.8000	Leakage current detection and interruption (LCDI) cords
83	8536.30.80	Electrical apparatus for protecting electrical circuits, for a voltage not exceeding 1,000 V, nesoi	8536.30.8000	Ground Fault Circuit Interrupters (GFCIs), Appliance Leakage Current Interrupters (ALCIs), Leakage Current Detection Interrupters (LCDIs), and Arc Fault Circuit Interrupters (AFCIs)
84	8536.30.80	Electrical apparatus for protecting electrical circuits, for a voltage not exceeding 1,000 V, nesoi	8536.30.8000	Surge protectors of a kind designed to protect a buried-wire pet containment system and its control apparatus, having an energy absorption rating at 120 V of less than 500 joules and 15 A
85	8536.50.70	Certain specified electronic and electromechanical snap-action switches, for a voltage not exceeding 1,000 V	8536.50.7000	Electronic AC lighting control switches, for dimming and turning lights on and off, packaged for retail sale
86	8536.50.70	Certain specified electronic and electromechanical snap-action switches, for a voltage not exceeding 1,000 V	8536.50.7000	Electronic AC passive infrared (PIR) motion sensing switches
87	8536.50.70	Certain specified electronic and electromechanical snap-action switches, for a voltage not exceeding 1,000 V	8536.50.7000	Fixed set-point pressure switches
88	8536.50.70	Certain specified electronic and electromechanical snap-action switches, for a voltage not exceeding 1,000 V	8536.50.7000	Humidity triggered switches
89	8536.50.70	Certain specified electronic and electromechanical snap-action switches, for a voltage not exceeding 1,000 V	8536.50.7000	Occupancy and vacancy sensor switches
90	8536.50.70	Certain specified electronic and electromechanical snap-action switches, for a voltage not exceeding 1,000 V	8536.50.7000	Retro-reflective infrared beam switches consisting of an infrared LED emitter and detector in a single housing and a reflective disk for mounting at a distance; such emitter-detector units operating at no more than 40 V AC/DC and containing a relay or other switching component to open or close a separate (secondary) circuit
91	8536.50.70	Certain specified electronic and electromechanical snap-action switches, for a voltage not exceeding 1,000 V	8536.50.7000	Wall-mountable dimmer switches
92	8537.10.30	Electric control panels, for a voltage not exceeding 1,000, assembled with outer housing supports, for goods of 8421, 8422, 8450 or 8516	8537.10.3000	Control boards for stoves, ranges and ovens of heading 8516
93	8541.10.00	Diodes, other than photosensitive or lightemitting diodes	8541.10.0050	Zener diodes, each valued not over \$0.25
94	8541.10.00	Diodes, other than photosensitive or lightemitting diodes	8541.10.0080	Surface-mount glass passivated rectifiers with a rectified output current not exceeding 1.25 A
95	8541.10.00	Diodes, other than photosensitive or lightemitting diodes	8541.10.0080	Surface-mount transient voltage suppressors having a peak pulse power capacity not exceeding 5 A
96	8541.10.00	Diodes, other than photosensitive or lightemitting diodes	8541.10.0080	Zener diodes having an admissible zener current of not more than 0.15 A at 25 degrees C
97	8541.10.00	Diodes, other than photosensitive or lightemitting diodes	8541.10.0080	Surface-mount glass passivated rectifier diodes, having a rectified output current over 0.5 A but not exceeding 1.25 A
98	8541.40.60	Diodes for semiconductor devices, other than light-emitting diodes, nesoi	8541.40.6015	Crystalline silicon photovoltaic cells of a kind described in statistical note 11 to chapter 85, made up into panels with a surface area not exceeding 3,061 cm ²
99	8541.40.60	Diodes for semiconductor devices, other than light-emitting diodes, nesoi	8541.40.6015	Solar panels, each of a surface area not exceeding 3,100 cm ²
100	8541.40.60	Diodes for semiconductor devices, other than light-emitting diodes, nesoi	8541.40.6035	Solar panels, each of a surface area not exceeding 3,100 cm ²
101	8542.31.00	Electronic integrated circuits: processors and controllers	8542.31.0001	Applications specific integrated circuits (ASICs), not containing memories, designed for use in engine control units (ECUs) to interface with linear exhaust gas oxygen sensors (UEGOs)
102	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8040	Digital clinical thermometers, valued not over \$11 each
103	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8080	Cooking thermometers, including candy and deep-fry thermometers
104	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8080	Infrared thermometers
105	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8080	Thermometers comprising cable assemblies with sensors, suitable for use in swimming pools, not combined with other instruments, valued not over \$10 each
106	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8040	Digital clinical thermometers, valued not over \$11 each
107	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8080	Galileo thermometers
108	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8080	Handheld electronic thermometers, with a metal thermo-couple probe measuring 10 cm in length
109	9025.19.80	Thermometers, for direct reading, not combined with other instruments, other than liquid-filled thermometers	9025.19.8080	Thermometers, not combined with other instruments, other than liquid-filled for direct reading, other than pyrometers, other than clinical thermometers
110	9027.10.20	Electrical gas or smoke analysis apparatus	9027.10.2000	Portable, wireless enabled, electrical gas monitors
111	9028.10.00	Gas supply or production meters, including calibrating meters thereof	9028.10.0000	Pulse output gas meters of a kind that can be read remotely
112	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, clamp-style, with 10-function LCD digital display for measuring AC/DC voltage and current, resistance and continuity with an autorange of 400 amps, measuring not over 33 cm (13 inches) high by 51 cm (20 inches) wide by 36 cm (14 inches) deep
113	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, capable of measuring more than one property (such as voltage, amperage, continuity, ground fault) of an electric current in a circuit, self-powered or powered by the circuit it is measuring, each valued not over \$36
114	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, clamp-style, 6 function, autoranging 600 ampere AC only, measuring not over 33 cm (13 inches) high by 15.5 cm (6 inches) wide by 18 cm (7 inches) deep
115	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, clamp-style root mean square (RMS) type, for measuring AC/DC voltage, AC/DC current, resistance, capacitance and frequency, with 600 V to 1,000 V safety rating
116	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, clamp-style, true root mean square (RMS) type, with 6-function LCD digital display, measuring not over 41 cm high by 33 cm wide by 28 cm deep

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117	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, clamp-style, with 4-function 8-range manual-ranging analog display, for measuring AC/DC voltage, AC current and resistance, measuring not over 30.5 cm (12 inches) high by 13 cm (5 inches) wide by 20.3 cm (8 inches) deep
118	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, for measuring AC/DC voltage, AC/DC current, resistance, capacitance and frequency, with 250 to 1,000 AC/DC volt safety rating, designed for examining electrical motors in household appliances and automobiles
119	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, true root mean square (RMS) type, with 10-function 10-range LCD digital display, for measuring AC/DC voltage, current, resistance, diode, continuity and battery, measuring not over 31 cm high by 21 cm (20.3 cm wide by 12 cm deep
120	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 13-range analog display, measuring not over 28 cm high by 13 cm wide by 20.3 cm deep
121	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 3-function 11-range LCD digital display, manual-ranging, for measuring AC/DC voltage and resistance, measuring not over 23 cm high by 13 cm wide by 26 cm deep
122	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 4-function 14-manual-range LCD digital display, for measuring AC/DC voltage, resistance and battery, measuring not over 15.5 cm high by 28 cm wide by 28 cm deep
123	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 4-function 14-range manual-ranging LCD digital display, for measuring AC/DC voltage, resistance and battery, measuring not over 28 cm high by 15.5 cm wide by 26 cm deep
124	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 4-function 17-range autoranging LCD digital display, for measuring AC/DC voltage, resistance, continuity and diode, measuring not over 20.3 cm high by 8 cm wide by 13 cm deep
125	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 5-function 18-range LCD digital display, with 10 megohm input impedance, for measuring AC/DC voltage, DC current, resistance and diode, measuring not over 13 cm high by 23 cm wide by 23 cm deep
126	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 5-function analog display, measuring not over 18 cm high by 13 cm wide by 20.3 cm deep
127	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 5-function 12-range analog display, measuring not over 13 cm high by 20.3 cm wide by 18 cm deep
128	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 6-function 14-range manual-range analog display, for measuring AC/DC voltage, DC current, resistance, decibels and battery, measuring not over 18 cm high by 13 cm wide by 23 cm deep
129	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 7-function 19-range analog display, for measuring AC/DC voltage, DC current, resistance, continuity, decibel and battery, measuring not over 23 cm high by 14 cm wide by 26 cm deep
130	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 7-function 19-range LCD digital display, for measuring AC/DC voltage, resistance, continuity, diode, battery and temperature, measuring not over 26 cm high by 26 cm wide by 15.5 cm deep
131	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 7-function 19-range LCD digital display, measuring not over 33 cm high by 13 cm wide by 13 cm deep
132	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 7-function 7-range autoranging LCD digital display, for measuring AC/DC voltage, resistance, diode, continuity, temperature and battery, measuring not over 28 cm high by 14 cm wide by 26 cm deep
133	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 8-function 28-manual-range LCD digital display, for measuring AC/DC voltage, current, resistance, continuity, diode and battery, measuring not over 28 cm high by 21 cm wide by 21 cm deep
134	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with 9-function 10-autorange LCD digital display, for measuring AC/DC voltage, current, resistance, diode and continuity, measuring not over 28 cm high by 21 cm wide by 21 cm deep
135	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, hand-held, with autoranging LCD digital display, for measuring AC/DC voltage up to 600 volts, current up to 10 amperes, continuity and resistance, measuring not over 28 cm high by 23 cm wide by 18 cm deep
136	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without a recording device, root mean square (RMS) clampstyle, for measuring AC/DC voltage, AC/DC current, resistance, capacitance and frequency, with 600 V safety rating, designed principally for examining electrical motors in household appliances and automobiles
137	9030.31.00	Multimeters for measuring or checking electrical voltage, current, resistance or power, without a recording device	9030.31.0000	Multimeters, without recording device, to measure voltage, current, resistance or power
138	9030.84.00	Instruments and apparatus for measuring, checking or detecting electrical quantities or ionizing radiations, nesoi: with a recording device	9030.84.0000	GPS wireless diagnostic tools, each with a recording device, operating at 150 MHz
Subtotal	28 8-digit HTS Subheadings		34 10-digit HTS Subheadings are implicated for the product exclusions	
Revised Subtotal	28 8-digit HTS Subheadings		65 separate 10-digit product exclusions	
Revised 2nd Subtotal	Rounds 1-3 of Product Exclusions		71 additional product exclusions for a total of 138 10-digit product exclusions	

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No.	Eight-Digit HTS Subheading Requested by NAFEM	Description by NAFEM	Ten-Digit HTS Subheading Granted by USTR	Description by USTR	Source
1	4016.91.00	Floor covering and mats, of noncellular vulcanized rubber other than hard rubber.	4016.91.0000	Anti-electrostatic discharge mats, comprising a conductive rubber mat measuring 40 cm or more but not exceeding 60 cm in width, 80 or more but not exceeding 125 cm in length, and 2 mm in thickness, with integrated discharge points for a grounding wire clip or an anti-static wrist strap, such mats printed on the surface with measuring rules and technical reference data	84 FR 49591
2	7314.14.10	Stainless steel, woven cloth (other than endless bands for machinery), w/meshes not finer than 12 wires to the lineal cm in warp or filling.	7314.14.1000	Stainless steel mesh filters	84 FR 49591
3	8302.41.60	Iron or steel, aluminum or zinc mountings, fittings & similar articles, nesoi, suitable for buildings, & base metal pts thereof.	8302.41.6080	Hand rails of tubular stainless steel, with wall connectors, of a length exceeding 300 mm but not exceeding 1.3 m	84 FR 49591
4	8302.49.60	Iron or steel, aluminum, or zinc, mountings, fittings & similar articles nesoi, and base metal parts thereof.	8302.49.6085	Stamped and formed latches of steel	84 FR 49591
5	8302.50.00	Base metal hat-racks, hat pegs, brackets and similar fixtures, and base metal parts thereof.	8302.50.0000	Stamped and formed brackets of steel	84 FR 49591
6	8414.90.10	Parts of fans (including blowers) and ventilating or recycling hoods.	8414.90.1080	Parts, of aluminum, iron or steel, for blowers other than fans of 8414.51	84 FR 49591
Subtotal	6 8-digit HTS Subheadings		6 separate 10-digit product exclusions		

first round: (No NAFEM Products Listed)

2nd round:

[84 FR 38717 \(Aug. 7, 2019\)](#)

[84 FR 49591 \(Sept. 20, 2019\)](#)