

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

17 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **22**. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies that are not listed, describe and report them in the "Cost of all other materials . . ." at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . ." Census material code 009700 99.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Valuation of Materials Consumed - The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

Contract Work - Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in **16**, line A5, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

Resales - Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in **16**, line A2, not in **17**. The value of these products shipped by this establishment should be reported in **22** under Census product code 999899 1000, "Resales."

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Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
1	Watch parts (dials, hands, displays, etc.) (excluding movements and face crystals)	334518 17			
2	Watch movements and modules	334518 02			
3	Liquid crystal display screens (LCD) (including LED)	334419 00			
4	Electronic-type components (resistors, capacitors, transformers, electron tubes, semiconductors, etc.)	330000 82			
	Components for electronic circuitry				
5	Printed circuit boards (without inserted components)	334412 00			
6	Miscellaneous components and accessories for electronic circuitry (excluding tubes)	334419 01			
7	Electronic computer and peripheral equipment and parts	334110 09			
8	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components)	334418 01			

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17 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company			
			Cost, including delivery cost (freight-in)			
			\$ Bil.	Mil.	Thou.	
0634		0630	0631			
9	Current-carrying wiring devices	335931 01				
10	Miscellaneous electrical measuring instruments and parts	334515 04				
11	Plastics electronic enclosures	32190 01				
12	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. (excluding sheets, rods, tubes, and other shapes)	32211 05				
13	Fabricated plastics products (excluding gaskets, hoses, and belting)	326190 07				
14	Steel, aluminum, and other metal electronic enclosures	332322 01				
15	Primary metal mill shapes and forms (including castings) (steel, aluminum, etc.)	331000 01				
16	Sheet metal products (including stampings) (excluding enclosures)	332000 03				
17	Other fabricated metal products (excluding forgings, castings, bolts, nuts, screws, rivets, washers, and screw machine products)	332001 00				
18	Paperboard containers, boxes, and corrugated paperboard	322210 01				
19	Miscellaneous wood products	321900 08				
20	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99				
21	TOTAL (Should equal total reported in 16 , line A1)	771000 00				

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18-21 Not Applicable.

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

General - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of **22**. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Valuation of Products - Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

Contract Work - Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific product lines as if they were made by you in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" for printed circuit (wiring) boards under Census code 999899 2025, printed circuit assemblies, loaded boards, or modules under Census code 999899 2090 and all other contract work receipts under Census code 999899 2090.

Resales - Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census code 999899 1000, "Resales."

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Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Watches, clocks, and parts				
1	Watches	334518 0101			
2	Watchcases, movements and modules (including watch parts)	334518 0106			
3	Watch jewels (including cutting, engraving, and polishing precious stones, semiprecious stones, natural pearls, and cultured pearls)	334518 0108			
4	Alarm clocks, household clocks, and household timing mechanisms	334518 0112			
5	Other complete clocks (excluding alarm clocks) (Specify kind) ▾ 	334518 0116			
6	Coin-operated mechanisms with time switches (including parts)	334518 0128			
7	Commercial timing mechanisms, time stamp machines, clock movements and modules, and chronometers	334518 0134			
8	Other clock parts (excluding timing motors), clock and watch springs, and parts and attachments for time recording and time stamp devices (Specify kind) ▾ 	334518 0151			

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
9	Unified electronic systems					
	Controllers	334513 0101				
10	Auxiliary stations and analog computer devices	334513 0107				
11	All other unified electronic systems (<i>Specify kind</i>) ↴ <div style="background-color: white; height: 20px; width: 100%;"></div>	334513 0106				
12	Nonunified electronic systems	334513 0109				
13	Industrial multifunction process computers	334513 0111				
14	Pneumatic systems and annunciators	334513 0127				
15	Integrating and totalizing meters for gas and liquids					
	Gas meters, consumption registering	334514 1108				
16	Liquid meters, positive displacement with registers and counters	334514 1116				
17	Parts, components, and accessories	334514 1119				
18	Counting devices (excluding motor vehicle instruments)					
	Mechanical, electrical, and electronic input	334514 3104				
19	All other counting devices, including parts (toll meters, fare collection equipment systems, parking lot systems, taximeters, parking meters, etc.) (<i>Specify kind</i>) ↴ <div style="background-color: white; height: 20px; width: 100%;"></div>	334514 3108				
20	Motor vehicle instruments	334514 7100				
21	Integrating instruments, electrical					
	A.C. watt meters	334515 1104				
22	Demand meters	334515 1105				

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Integrating instruments, electrical - Continued				
23	Other electrical integrating meters	334515 1107			
24	Parts and accessories	334515 1109			
	Equipment for testing electrical, radio and communication circuits, and motors				
25	Voltage, current, and resistance measuring equipment	334515 4102			
26	Multimeters	334515 4111			
27	Power and energy measuring equipment	334515 4114			
28	Waveform measuring and/or analyzing equipment	334515 4126			
29	Signal generating equipment	334515 4136			
30	Field strength and intensity measuring equipment	334515 4141			
31	Combination and/or group test sets	334515 4149			
	Semiconductor component test equipment				
32	Memory	334515 4153			
33	Microprocessor	334515 4157			
34	Other semiconductor component test equipment	334515 4159			
35	Loaded circuit board test equipment	334515 4161			
36	Other component part test sets and equipment	334515 4163			
37	Equipment and subassembly test equipment	334515 4165			
38	Standards and calibration equipment	334515 4168			

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
	Equipment for testing electrical, radio and communication circuits, and motors - Continued					
	Communications test equipment					
39	Network analyzers	334515 4175				
40	Fiber optics	334515 4179				
41	Microwave	334515 4183				
	Other communications test equipment (<i>Specify kind</i>) ↘					
42	[Redacted]	334515 4185				
	Other test equipment (<i>Specify kind</i>) ↘					
43	[Redacted]	334515 4196				
44	Parts and components for test equipment	334515 4197				
	Instruments to measure electricity					
45	Panel-type electrical indicating instruments	334515 5114				
46	Portable electrical indicating instruments	334515 5121				
47	Electrical recording instruments	334515 5124				
48	Other instruments to measure electricity	334515 5127				
49	Parts and accessories for indicating and recording instruments	334515 5135				
	Aircraft engine instruments					
50	Aircraft engine temperature sensors, transmitters, and displays	334519 2101				
51	Aircraft engine pressure ratio and vacuum sensors, transmitters, controls, and displays	334519 2104				

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
52	Aircraft engine instruments - Continued All other aircraft engine instruments (excluding flight) (Specify kind) ↴ []	334519 2114	[][]	[][][][]	[][][][]	[][][][]
53	Parts and components for aircraft engine instruments	334519 2115	[][]	[][][][]	[][][][]	[][][][]
54	Physical properties testing and inspection equipment and kinematic testing and measuring equipment Physical properties testing equipment for metals (including hardness, tensile, stress, strain, abrasion, strength, torsion, wear, and similar testing equipment)	334519 4101	[][]	[][][][]	[][][][]	[][][][]
55	Other physical properties testing equipment and parts (Specify kind) ↴ []	334519 4104	[][]	[][][][]	[][][][]	[][][][]
56	Physical properties inspection equipment for metals (including flaw detection, thickness measuring, and similar inspection equipment)	334519 4107	[][]	[][][][]	[][][][]	[][][][]
57	Physical properties inspection equipment for measuring and checking the flow of fluids	334519 4109	[][]	[][][][]	[][][][]	[][][][]
58	Other physical properties inspection equipment and parts (Specify kind) ↴ []	334519 4112	[][]	[][][][]	[][][][]	[][][][]
59	Kinematic testing and measuring equipment (including parts; including vibration, acceleration, and other motion testing equipment)	334519 4116	[][]	[][][][]	[][][][]	[][][][]
60	Nuclear radiation detection and monitoring instruments Nuclear monitoring instruments (including environment, personal dosimetry, and medical monitors)	334519 5105	[][]	[][][][]	[][][][]	[][][][]
61	Nuclear instrument modules	334519 5125	[][]	[][][][]	[][][][]	[][][][]
62	Radiation detecting elements, nuclear power supplies, and measuring and control devices that use beta, gamma, or neutron gauge technology	334519 5126	[][]	[][][][]	[][][][]	[][][][]

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
	Nuclear radiation detection and monitoring instruments - Continued					
63	Other nuclear radiation detection and monitoring instruments	334519 5127				
64	Parts and components for nuclear radiation detection and monitoring instruments	334519 5129				
	Measuring and controlling devices					
65	Thermometers (all kinds)	334519 7109				
66	Meteorological electronics equipment and instruments	334519 7124				
67	Seismic instruments	334519 7127				
	All other commercial, geophysical, meteorological, and general-purpose instruments and equipment (including compasses, altimeters, humidity indicating and recording instruments, etc.) (Specify kind) ↘					
68		334519 7135				
69	Survey and drafting instruments	334519 9123				
70	Parts for survey and drafting instruments	334519 9124				
	Instruments and products related to measuring, displaying, and controlling industrial process variables					
71	Humidity instruments	334513 0147				
72	Flow and liquid level measuring instruments, differential pressure types	334513 0145				
73	Pressure and draft measuring instruments	334513 0143				
74	Primary temperature sensors (excluding aircraft types and thermocouples)	334513 0139				
75	Electrical and electronic temperature measuring instruments	334513 0135				
	Other primary temperature sensors (excluding aircraft types) (Specify kind) ↘					
76		334513 0141				

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
77	Instruments and products related to measuring, displaying, and controlling industrial process variables - Continued Other temperature measuring instruments (Specify kind) ↴ []	334513 0137	[][]	[][][]	[][][]	
78	Other industrial type instruments (Specify kind) ↴ []	334513 0133	[][]	[][][]	[][][]	
79	Continuous process instruments	334513 0129	[][]	[][][]	[][][]	
80	Instruments for all other process variables	334513 0131	[][]	[][][]	[][][]	
81	Parts for process control instruments	334513 0149	[][]	[][][]	[][][]	
82	Automatic environmental controls for residential, commercial, and appliance use Temperature responsive thermostats	334512 0102	[][]	[][][]	[][][]	
83	Igniters	334512 0115	[][]	[][][]	[][][]	
84	Automatic environmental controls for monitoring residential, commercial, and appliance use Temperature responsive controls for major appliances	334512 0125	[][]	[][][]	[][][]	
85	All other controls for major appliances (Specify kind) ↴ []	334512 0127	[][]	[][][]	[][][]	
86	Parts and components of controls for monitoring residential and commercial environments	334512 0129	[][]	[][][]	[][][]	
87	Computerized energy control systems for buildings	334512 0121	[][]	[][][]	[][][]	
88	Other automatic environmental controls (Specify kind) ↴ []	334512 0124	[][]	[][][]	[][][]	

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
89	Analytical laboratory instruments					
	Electrochemical instruments	334516 0111				
90	Gas detectors	334516 0163				
91	Organic elemental analysis instruments (carbon, hydrogen, nitrogen, oxygen, sulphur)	334516 0162				
92	Blood bank and immunology laboratory instrumentation used to process blood and specimens for testing, measure and identify, using immunoassay substances in clinical specimens	334516 0155				
93	Hematology laboratory instrumentation used to measure and identify substances of cells contained in blood which influence its development and clotting (e.g. blood cell counting coagulation factors)	334516 0149				
94	Chemistry laboratory instrumentation, used to measure and identify substances (e.g. metabolites, enzymes, and drugs)	334516 0147				
95	Other clinical laboratory instrumentation (including microbiology instrumentation)	334516 0157				
96	Mass spectroscopy instruments	334516 0145				
97	Thermal analysis instruments	334516 0135				
98	Spectrophotometric instruments	334516 0134				
99	Chromatographic instruments	334516 0112				
100	Other analytical and scientific instruments (Specify kind) ↴ 	334516 0165				
101	Parts and components for analytical and scientific instruments, sold separately	334516 0167				
102	Automatic regulating and control valves and parts (excluding nuclear), power-operated, designed for modulating (throttling) service	332911 F100				
103	Electronic coils, transformers, and other inductors	334416 0100				
104	In-vitro diagnostic substances (clinical chemistry) reagents, standards and controls (including toxicology, blood bank, coagulation, virology, serology, cytology products), and culture media	325413 0700				

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
105	General-purpose industrial controls <i>(Specify kind)</i> ↘ 	335314 6YVV				
106	All other products made in this establishment <i>(Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the pre-listed products and services. For all remaining products, write "Other" and report a single total value.)</i>	18				
107		26				
108		34				
109		42				
110		59				
111		67				
112	Contract work Contract receipts for manufacturing printed circuit (wiring) boards for others on their materials	999899 2025				
113	Contract receipts for manufacturing printed circuit assemblies, loaded boards, or modules for others on their materials	999899 2030				
114	All other receipts for work done for others on their materials <i>(Specify kind)</i> ↘ 	999899 2090				
115	Resales - Sales of products bought and sold without further manufacture, processing, or assembly <i>(The cost of such items should be reported in 19, line A2.)</i>	999899 1000				

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
0734		0730	0731			
	Miscellaneous receipts					
116	Receipts for research and development	999899 9021				
117	Receipts for repair work	999899 9030				
118	Other miscellaneous receipts	999899 9030				
119	TOTAL (Should equal total reported in 5)	770 000 000				

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23-25 Not Applicable.

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26 SPECIAL INQUIRIES

A. PURCHASE OF CONTRACT MANUFACTURING

1. Did this establishment **purchase** contract manufacturing services from other companies or foreign plants of your company in 2012?

Include:

- Products for which the manufacturing (i.e., transforming or otherwise processing materials or components based on specifications provided by your company) was outsourced to other companies.
- Products for which the manufacturing was performed by your company's foreign plants.

Exclude:

- Services for packaging and assembling.
- Purchases of merchandise for resale (sale of products bought and sold without further processing or transformation).

1011 Yes - Go to line 2

1012 No - Go to **B**

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2. Report the costs incurred by this establishment for contract manufacturing purchased in 2012 1013

2012		
\$ Bil.	Mil.	Thou.

3. Report the value of sales, shipments, receipts, or revenue generated in 2012 from products whose purchases were reported as contract manufacturing costs in line 2 1015

2012		
\$ Bil.	Mil.	Thou.

B. RECEIPTS FROM CONTRACT MANUFACTURING

1. Did this establishment **provide** contract manufacturing services to others in 2012 (*regardless of materials ownership*)?

Include:

- Products manufactured at this location (i.e., transforming or otherwise processing materials or components based on specifications provided by the contracting company).
- Products manufactured and transferred to other plants of your company.
- Products manufactured and exported.

Exclude:

- Services for packaging and assembling.
- Sales of products purchased and sold without further processing or transformation.

1017 Yes - Go to line 2

1018 No - Go to **30**

2. Report the value of sales, shipments, receipts, or revenue generated in 2012 from contract manufacturing performed at this location for others (*regardless of materials ownership and based on specifications provided by the contracting company*) 1019

2012		
\$ Bil.	Mil.	Thou.

Please describe the product(s) being manufactured for others at this establishment. ↴

1020

27-29 Not Applicable.

33406232



REMARKS (Please use this space for any explanations that may be essential in understanding your reported data.)

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30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

Yes No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>

Name of person to contact regarding this report

Title

Area code	Number	Extension
<input type="text"/>	<input type="text"/>	<input type="text"/>

Fax	Area code	Number
<input type="text"/>	<input type="text"/>	<input type="text"/>

E-mail address

Date completed	Month	Day	Year
	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Thank you for completing your 2012 ECONOMIC CENSUS form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

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