

**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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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		
<b>1</b>	Components for electronic circuitry, excluding tubes				
	Printed circuit boards (without inserted components) . . . . .	334412 00			
<b>2</b>	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits . . . . .	334413 00			
<b>3</b>	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components) . . . . .	334418 01			
<b>4</b>	All other miscellaneous components and accessories for electronic circuitry, excluding tubes . . . . .	334419 01			
<b>5</b>	Insulated primary metal wire and cable, including magnet wire . .	331000 70			
<b>6</b>	Relays and industrial controls for drives, clutches, brakes, motors, etc., including programmable controllers . . . . .	335314 07			
<b>7</b>	Current-carrying wiring devices . . . . .	335931 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		
<b>8</b>	Fabricated metal products				
	Sheet metal products, including stampings . . . . .	332000 88			
<b>9</b>	Bolts, nuts, screws, rivets, washers, and other screw machine products . . . . .	332722 03			
<b>10</b>	Other fabricated metal products, including fittings . . . . .	332000 07			
<b>11</b>	Optical instruments, lenses, and prisms . . . . .	333314 07			
<b>12</b>	Fabricated plastics products, excluding gaskets, hoses, and belting	326190 07			
<b>13</b>	Primary metal mill shapes and forms, including castings (steel, aluminum, etc.) . . . . .	331000 01			
<b>14</b>	Paper and paperboard containers . . . . .	322200 05			
<b>15</b>	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99			
<b>16</b>	<b>TOTAL</b> (Should equal total reported in <b>16</b> , line A1) . . . . .	771000 00			

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**18** Not Applicable.

**19** TYPE OF OPERATION  
(Mark "X" the ONE box that best describes the operation performed at this establishment during 2012.)

**Type of manufacturing activity during 2012**

- 0620 408  Producing bare wire and cable from wire drawn in this establishment
- 409  Producing insulated wire and cable from wire drawn in this establishment
- 410  Producing insulated wire and cable from purchased wire
- 376  Producing fabricated wire products (other than insulated wire and cable) from purchased wire
- 374  Producing fabricated wire products from wire drawn in this establishment

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**19** TYPE OF OPERATION - Continued

**Type of manufacturing activity during 2012 - Continued**

- 0620 416  Producing apparatus wire and cord and flexible cord sets from purchased insulated wire
- 414  Producing apparatus wire and cord and flexible cord sets from wire insulated in this establishment
- 349  Producing fiber optic glass strand from glass sand, cullet, glass preforms, etc.
- 411  Producing insulated fiber optic cable from glass sand or cullet made into fiber optic glass strand at this establishment
- 415  Producing insulated fiber optic cable from purchased glass made into fiber optic glass strand at this establishment
- 417  Producing insulated fiber optic cable from purchased fiber optic glass strand

**20** and **21** Not Applicable.

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

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**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 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 lines as if they were made 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" under Census code 999899 2002, 999899 2003, and/or 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."

Line No.	Products and services	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
<b>1</b>	Capacitors for industrial use, excluding electronic circuitry . . . . .	335999 1100			
	Semiconductor power conversion apparatus and rectifying apparatus, excluding electronic circuitry Semiconductor battery chargers				
<b>2</b>	Automotive . . . . .	335999 3301			
<b>3</b>	Industrial and railroad . . . . .	335999 3304			

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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			
4	Semiconductor power conversion apparatus and rectifying apparatus, excluding electronic circuitry - Continued  Semiconductor high-voltage power supplies in excess of 2 kV .	335999 3314				
5	All other AC to DC semiconductor power conversion and rectifying apparatus, excluding for electronic circuitry ( <i>Specify kind</i> ) ↴  [Redacted]	335999 3322				
6	Other electrical equipment for industrial use, including industrial use surge suppressors, excluding electronic circuitry ( <i>Specify kind</i> ) ↴  [Redacted]	335999 6100				
7	Laser sources, including nondiode and diode . . . . .	335999 7100				
8	Laser systems and equipment, all other types ( <i>Specify kind</i> ) ↴  [Redacted]	335999 9100				
9	Ultrasonic equipment, excluding medical and dental . . . . .	335999 A100				
10	Apparatus wire and cord and flexible cord sets made from purchased insulated wire, excluding wiring harnesses and fiber optic  Aluminum . . . . .	335999 B111				
11	Copper . . . . .	335999 B121				
12	All other apparatus wire and cord and flexible cord sets made from purchased insulated wire, excluding wiring harnesses and fiber optic ( <i>Specify kind</i> ) ↴  [Redacted]	335999 B131				
13	Apparatus wire and cord and flexible cord sets, excluding aluminum, copper, wiring harnesses and fiber optic, made in plants that draw wire . . . . .	331491 F100				
14	Electric bells (gongs, chimes, etc.) and electrical door openers, excluding garage . . . . .	335999 E205				
15	Surge suppressors, designed for equipment operating on 110-120 volt circuits, excluding industrial use surge suppressors . . . . .	335999 E509				

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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			
16	All other miscellaneous electronic systems and equipment, including automatic garage door openers, and amplifiers (Specify kind) ↴	335999 F100				
17	Electronic coils, transformers, and other inductors	334416 0100				
18	All other products made in this establishment (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.)	18				
19		26				
20		34				
21		42				
22		59				
23		67				
24	Contract receipts for manufacturing printed circuit (wiring) boards for others on their materials	999899 2002				
25	Contract receipts for manufacturing printed circuit assemblies, loaded boards, or modules for others on their materials	999899 2003				
26	All other receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴	999899 2090				
27	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 16, line A2.)	999899 1000				
28	Miscellaneous receipts, including receipts for repair work, sales of scrap and refuse, etc.	999899 9000				
29	<b>TOTAL</b> (Should equal total reported in 5)	770000 0000				

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**23-25** Not Applicable.

**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 purchases 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.

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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"/>

Tele-  
phone

Fax

Area code	Number
<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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