

**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 **2**. 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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 **2** under Census product code 999890 0000, "Resales."

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		
	Components of electronic circuitry, excluding tubes				
<b>1</b>	Printed circuit boards . . . . .	334412 00			
<b>2</b>	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits . . . . .	334413 00			
<b>3</b>	Capacitors . . . . .	334414 00			
<b>4</b>	Resistors . . . . .	334415 00			
<b>5</b>	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components) . . . . .	334418 01			
<b>6</b>	All other miscellaneous components and accessories for electronic circuitry, excluding tubes . . . . .	334419 01			
<b>7</b>	Silicon, hyperpure . . . . .	325188 35			
<b>8</b>	Silicon chips . . . . .	331419 57			
<b>9</b>	Gold and other precious metals, all forms (including ingot, sheet, strip, solder, plating, electrodes, etc.) . . . . .	331419 11			
<b>10</b>	Resists (photosensitive resin films applied to the surface of a wafer) . . . . .	326113 05			
<b>11</b>	Doped chemicals and other doped materials for electronic use . . . . .	331419 17			

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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>12</b>	Electronic computer and peripheral equipment and parts . . . . .	334110 09			
<b>13</b>	Electronic communication systems and equipment, including wireless, radio, television, satellite, and airborne transmitters and receivers (microwave, UHF, VHF, etc.) . . . . .	334220 05			
<b>14</b>	Glass and glass products (excluding windows and mirrors) . . . . .	327200 03			
<b>15</b>	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and other shapes . . . . .	325211 05			
<b>16</b>	Primary metal mill shapes and forms, including castings (steel, aluminum, etc.) . . . . .	331000 01			
<b>17</b>	Primary metal powders . . . . .	331000 72			
<b>18</b>	Sheet metal products (excluding stampings) . . . . .	332000 94			
<b>19</b>	Other fabricated metal products (including forgings) . . . . .	332000 07			
<b>20</b>	Insulated primary metal wire and cable, including magnet wire . . . . .	331000 70			
<b>21</b>	Glues and adhesives . . . . .	325520 02			
<b>22</b>	Fabricated plastics products (excluding gaskets) . . . . .	326190 11			
<b>23</b>	Plastics packaging film and sheet, including laminated . . . . .	326112 05			
<b>24</b>	Polyurethane packaging foam products . . . . .	326150 20			
<b>25</b>	Wood boxes, pallets, skids, and containers, including combination wood and paperboard . . . . .	321920 04			
<b>26</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>27</b>	<b>TOTAL</b> (Should equal total reported in <b>16</b> , line A1) . . . . .	771000 00			

**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 9300031000, printed circuit assemblies, loaded boards, or modules under Census code 9300032000, for semiconductors and electronic components research, development and prototyping under Census code 9998042000, for Fabless semiconductor vending under Census code 9423690000, and all other contract work receipts under Census code 9300014000.

**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 999890 0000, "Resales."

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
<b>1</b>	Electron tubes and parts, excluding glass blanks ( <i>Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007</i> )* . . . . .	334411 0100			
<b>2</b>	Printed circuit (wiring) boards or assemblies ( <i>Report contract work receipts for work done by you for others on their own materials on lines 3 and 6.</i> ) Bare printed circuit (wiring) boards ( <i>Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007</i> )* . . . . .	334412 0100			
<b>3</b>	Contract receipts for manufacturing printed circuit (wiring) boards for others on their materials . . . . .	930003 1000			
<b>4</b>	Printed circuit (wiring) boards or assemblies ( <i>Report contract work receipts for work done by you for others on their own materials on lines 3 and 6.</i> ) Modems, consumer-type ( <i>Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007</i> )* . . . . .	334418 4100			
<b>5</b>	Printed circuit assemblies, loaded boards and modules (printed circuit boards with inserted electronic components) ( <i>Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007</i> )* . . . . .	334418 B100			
<b>6</b>	Contract receipts for manufacturing printed circuit assemblies, loaded boards, or modules for others on their materials . . . . .	930003 2000			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
7	Semiconductors and related devices Integrated circuit packages Microprocessors (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334413 1210			
8	Memory (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334413 1510			
9	Other integrated circuit packages (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)* (Specify kind.)	334413 1910			
10	Transistors (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334413 4100			
11	Diodes and rectifiers (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334413 7100			
12	Other semiconductor devices, including semiconductor parts, such as bare die, wafers, and heat sinks (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)* (Specify kind.)	334413 A100			
13	Receipts for semiconductors and electronic components research, development and prototyping	999804 2000			
14	Receipts for Fabless semiconductor vending	942369 0000			
15	Capacitors for electronic circuitry (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334414 0100			
16	Resistors for electronic circuitry (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334415 0100			
17	Electronic coils, transformers, and other inductors (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334416 0100			
18	Electronic connectors for electronic circuitry, including parts (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)*	334417 0100			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
<b>19</b>	Other electronic components Crystals, filters, piezoelectric, and other related electronic devices, excluding microwave filters (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)* . . . . .	334419 1100			
<b>20</b>	Transducers (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)* (Specify kind.) ↴	334419 4100			
<b>21</b>	Switches Switches for electronic circuitry, mechanical (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)* . . . . .	334419 7100			
<b>22</b>	For electrical circuitry, including vehicular switches (Corresponds to value of shipments on CIR MA335K, Wiring Devices and Supplies, 2007)* . . . . .	335931 5100			
<b>23</b>	Microwave components and devices (excluding antennae, tubes, and semiconductors) (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)* . . . . .	334419 A100			
<b>24</b>	All other miscellaneous electronic components (Corresponds to value of shipments on CIR MA334Q, Semiconductors, Electronic Components, and Semiconductor Manufacturing Equipment, 2007)* (Specify kind.) ↴	334419 E100			
<b>25</b>	Electroplating, plating, polishing, anodizing, and coloring . . . . .	332813 0200			
<b>26</b>	Telephone apparatus Carrier line equipment and non-consumer modems (Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007)* . . . . .	334210 4100			
<b>27</b>	Wireline voice and data network equipment Data communications equipment, including LAN/WAN switches, routers, and other networking equipment (Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007)* . . . . .	334210 7210			
<b>28</b>	All other wireline voice and data networking equipment (Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007)* (Specify kind.) ↴	334210 7410			
<b>29</b>	Radio and television broadcasting and wireless communications equipment Broadcast, studio, and related electronic equipment (Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007)* . . . . .	334220 2100			
<b>30</b>	Wireless networking equipment (Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007)* . . . . .	334220 3100			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
31	Radio and television broadcasting and wireless communications equipment - Continued Radio station equipment (Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007)*	334220 5100			
32	All other communications systems and equipment (Corresponds to value of shipments on CIR MQ334P, Telecommunications, 2007)* (Specify kind.) ↴	334220 9100			
33	Test equipment for testing electrical, radio, and communication circuits, and motors, excluding portable instrument transformers	334515 3100			
34	Relays for electronic circuitry, industrial control overload, and switchgear type (Corresponds to value of shipments on CIR MA334C, Control Instruments, 2007)*	335314 1100			
35	Electronic wire and cable, made of nonferrous metals (purchased wire) (Corresponds to value of shipments on CIR MA335J, Insulated Wire and Cable, 2007)*	335929 A100			
36	Wire connectors for electrical circuitry (Corresponds to value of shipments on CIR MA335K, Wiring Devices and Supplies, 2007)*	335931 9100			
37	Rectifying apparatus Semiconductor power conversion apparatus and rectifying apparatus, excluding electronic circuitry Semiconductor battery chargers Automotive	335999 3301			
38	Industrial and railroad	335999 3304			
39	Semiconductor high-voltage power supplies in excess of 2 kV	335999 3314			
40	All other AC to DC semiconductor power conversion and rectifying apparatus, excluding electronic circuitry (Specify kind.) ↴	335999 3322			
41	Electronic control modular chips for motor vehicles	336322 D119			
42	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 "listed products and services". For all remaining products, write "Other" and report a single total value.	18			
43		26			
44		34			
45		42			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
<b>46</b>		59			
<b>47</b>		67			
<b>48</b>	All other receipts for work done for others on their materials (Specify products worked on and kind of work.) ↴	930001 4000			
<b>49</b>	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.)	999890 0000			
<b>50</b>	Receipts for other research, development and prototyping	999804 9000			
<b>51</b>	Receipts for the ownership of intellectual property	953311 0000			
<b>52</b>	Other miscellaneous receipts (including receipts for repair work, etc.)	999809 8000			
<b>53</b>	<b>TOTAL</b> (Should equal total reported in 5)	770000 0000			

**23-25** Not Applicable.

**26** SPECIAL INQUIRIES

OTHER ESTABLISHMENT ACTIVITIES

**1.** Did this establishment design, engineer, or formulate the manufactured products that it sold, produced, or shipped?

0318  Yes

0319  No

**2.** Which of the following best describes this establishment's primary activity? (Mark "X" only ONE box.)

0362  Providing contract manufacturing services for others (including assembly, prototype development, and jobbing)

0363  Transforming raw materials or components into new products that this establishment owns or controls (including assembly, prototype development, and jobbing)

0364  Reselling goods manufactured by others

0365  Other (including fables operations, research and development, packaging, testing, and ownership of intellectual property) - Specify ↴

0366

**3.** Did this establishment purchase contract manufacturing services from other companies or other establishments of your company to process materials or components that this establishment owns or controls?

0496  Yes, primarily with establishments WITHIN the 50 States and the District of Columbia

0497  Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia

0498  No

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27-29 Not Applicable.

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

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

Name of person to contact regarding this report

Title

Telephone	Area code	Number		Extension	Fax	Area code	Number	
			-					-

Internet e-mail address

Date completed

Month Day Year

**Thank you for completing your 2007 ECONOMIC CENSUS form.**

**PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

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