

16 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 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 amount 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 all 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 **15**, 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 **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

INFORMATION COPY
DO NOT USE TO REPORT

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	Cathode ray tubes (CRT) and all other transmittal, industrial, and special-purpose electron tubes (excluding X ray)	334411 03 0			
2	Components for electronic circuitry, excluding tubes Printed circuit boards (without inserted components)	334412 00 4			
3	Printed circuit assembly (loaded boards, subassemblies, and modules) Memory boards	001900 C3 1			
4	Peripheral controllers (graphic boards, drive controller, etc.)	001900 C6 4			
5	Computer processors (system boards, array processors, etc.)	001900 C7 2			
6	Communication boards (LAN boards, D/A and A/D converters)	001900 C5 6			
7	Other boards	001900 D1 4			
8	Semiconductors, including transistors, diodes, rectifiers, and integrated circuits	334413 00 2			
9	Capacitors	334414 00 0			
10	Resistors	334415 00 7			
11	Connectors	334417 00 3			

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

16 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		
	Components for electronic circuitry, excluding tubes - Continued				
	Power supply units				
12	Battery packs	334000 17 1			
13	Other	001900 D2 2			
14	Other components and accessories, nec, including coils, transformers, transducers, switches, etc., but excluding tubes (<i>Specify.</i>) ↴	001900 B8 1			
15	Electrical transmission, distribution, and control equipment (including coils, switches, relays, regulators, motor controls, etc.)	001900 B1 6			
16	Forgings	332100 01 5			
	Electronic enclosures				
17	Steel, aluminum, and other metals	332322 01 5			
18	Plastics	326199 01 5			
	Fabricated metal products, excluding forgings				
19	Sheet metal products, excluding enclosures, including stampings (<i>See line 17.</i>)	332000 03 3			
20	All other fabricated metal products	332000 17 3			
21	Castings (rough and semifinished)	331000 35 6			
22	Metal shapes and forms (excluding castings, forgings, and fabricated metal products)	331000 33 1			
23	Insulated copper wire and cable (including magnet wire)	331000 A9 0			
24	Fabricated plastics products, excluding enclosures (<i>See line 18.</i>)	326100 31 0			
25	Purchased software	334611 00 1			
26	Appliance outlets, switches, lampholders, and other current carrying wiring devices	335931 03 6			
27	Electric motors and generators (all types)	335312 01 3			

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16 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		
28	Paper and paperboard products, including paperboard boxes, containers, and corrugated paperboard	322000 01 9			
29	Purchased electronic computing and peripheral equipment for incorporation into complete finished product (<i>See instructions for reporting of resale items.</i>) Computers	334111 01 0			
30	Storage devices	334112 00 0			
31	Terminals	334113 00 8			
32	Input devices including keyboards, mouse devices, trackballs, etc.	334119 03 9			
33	Printers	334119 05 4			
34	Other (<i>Specify.</i>) ↴	334100 07 0			
35	Cost of all other materials and components, parts, containers, and supplies consumed (<i>Specify the principal materials, etc., included in this value.</i>) ↴	009700 99 8			
36	TOTAL (<i>Should equal total reported in 16, line A1</i>)	771000 00 7			

17 Not Applicable.

33401100

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

18 TYPE OF OPERATION

A. Type of business (Mark "X" the one that best describes your principal kind of business.)

Manufacturer

- 0620 494 Making computers or other peripheral equipment from components that you manufactured at this location or obtained from other units of your company
- 496 Assembling computers or other peripheral equipment from components that you purchased (including final assembly and testing of computers)
- 498 Other types of assembly/manufacturing operations, including providing extension, upgrades, expansions, printed circuit assembly manufacture, and similar operations (*Describe in "Remarks" section of this form.*)

Systems integrator

- 500 Developing or modifying software and "bundling" software with computer equipment and/or peripheral equipment for computers to create an integrated system
- 502 Selling purchased computer hardware and software as an integrated system, including "in-house" or "in-company" systems integration sold to outside parties
- 504 Other types of operations, including value-added resellers, third party vendors, and other types of system integrators (including noncomputer) (*Describe in "Remarks" section of this form.*)

Other type of business

- 506 Buying and reselling products to other businesses and governments without arranging for further processing, including marketing of purchased computer software (wholesaler or dealer)
- 508 Buying and reselling products primarily to individuals for personal use without arranging for further processing, including marketing of purchased computer software (retailer)
- 510 Providing design and engineering services on a contract or fee basis (*Describe in "Remarks" section of this form.*)
- 512 Performing research and development for your own account, including "start-up operations"
- 514 Performing research and development on a contract basis for others
- 516 Other types of business (*Describe in "Remarks" section of this form.*)

B. Operations performed (Mark "X" ALL that apply only if you reported 494-504 above.)

- 518 Assembling and/or final testing of finished computers and/or peripheral equipment
- 520 Manufacturing printed circuit boards or assemblies, semiconductor devices, and other electronic components (including integrated microcircuit packages, etc.)
- 522 Performing system integration, value-added reselling, third-party vending, "in-house" or "in-company" systems integration selling, and other computer-related services
- 524 Custom computer programming
- 526 Packaged computer software design
- 528 Buying and selling products without arranging for further processing, either to other businesses and governments or to individuals for personal use
- 530 Performing other operations (*Specify kind.*) ↴

0621

33401118

19-21 Not Applicable.

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 **2**. 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 boards under Census code 000930 0031 3, printed circuit assemblies under Census code 000930 0032 1, and all other contract work receipts under Census code 000930 0014 9.

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 000999 8900 6, "Resales."

Detailed Data Reported Elsewhere - Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR form, the sum of the detailed products should equal the total reported on this form.

NOTE: Only totals are requested; do not duplicate detail reported on the CIR.

Special Reporting Instructions and Definitions -

Leased Machines - If any of these products are leased rather than sold when shipped, report the number and an estimated value of such machines produced. The estimated value should approximate the value of products sold outright and may be based on the valuation placed on these items for tax, insurance, or similar purposes.

Computer Processor Parts - Computer processor subassemblies and other boards for insertion in or use with a complete computer system should be classified as "loaded computer processor boards and board subassemblies for replacement, upgrade, further assembly, or installation in another computer system" on line 25. Generally these products are not encased in a housing when shipped and/or will require further assembly in order to function as a computer system.

Parts for Peripheral Equipment - (Lines 5 through 9) - Report a component or subassembly in the parts category only if:

Your company fabricates or assembles the item at the reporting location; and

The item is not explicitly specified within the ten digit North American Industry Classification System based product classifications below or the Current Industrial Reports (CIR) program.

Exclude: Loaded boards (report on line 25); peripherals (report on line 8); drives and auxiliary memory (report on line 4); terminals (report on line 6); connecting devices (report on line 24); discrete components; power supplies; switches; equipment enclosures; and fasteners, metal stampings, and similar hardware (report on lines 41 through 46).

Also exclude any equipment transferred from another location and shipped without fabrication or substantive assembly.

Include: Other subassemblies, not specified elsewhere, that are specialized for use only in complete equipment you manufacture (Report on lines 5 through 9).

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

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		
1	Electronic computer manufacturing Host computers, multiusers (mainframes, super computers, medium scale systems, UNIX servers, PC servers, and server appliances. (Corresponds to the value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334111 1100 9			
2	Single user computers, microprocessor-based, capable of supporting attached peripherals, such as personal computers, workstations, portable computers, home Internet appliances (Corresponds to the value of shipments reported on CIR Form, MA334R, Computers and Office and Accounting Machines, for 2002.)*	334111 7100 3			
3	Other computers, such as array, analog, hybrid, or special-use computers. (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334111 D100 6			
4	Computer storage devices except parts, attachments, and subassemblies. (Corresponds to value of shipments reported on CIR Form, MA334R, Computers and Office and Accounting Machines, for 2002.)*	334112 1100 7			
5	Parts, attachments, and subassemblies for computer storage devices. (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334112 4100 4			
6	Computer terminals (excluding point of sale and funds transfer devices) (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334113 1100 5			
7	Parts and subassemblies for computer terminals (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334113 4100 2			
8	Computer peripheral (input/output) equipment, nec, except parts, attachments, and subassemblies (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334119 1100 2			
9	Parts, subassemblies, and accessories for computer peripheral equipment. (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334119 4100 9			
10	Point of sale terminals and fund-transfer devices (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334119 7100 6			
11	Parts and subassemblies for point of sale terminals and fund transfer devices (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	334119 D100 9			
12	Magnetic and optical recording media, unrecorded disks	334613 0110 4			
13	Magnetic and optical recording media, unrecorded tapes, including reels, cassettes, cartridges, and video.	334613 0410 8			
14	Automatic typing and word processing machines, including parts and attachments (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	333313 1100 2			
15	Machines for sorting, wrapping, counting, and other currency-handling machines (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	333313 4110 8			

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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		
16	Parts except money changing and dispensing machines.	333313 G110 5			
17	Money changing and dispensing machines	333313 4120 7			
18	Parts for money changing and dispensing machines	333313 G120 4			
19	Duplicating machines, except parts and attachments	333313 7100 6			
20	Mailing, letter handling, and addressing machines, except parts and attachments. (Corresponds to value of shipments reported on MA334R, Computers and Office and Accounting Machines, for 2002.)*	333313 A100 2			
21	Parts and attachments for office machines, nec (Corresponds to value of shipments reported on CIR Form MA334R, Computers and Office and Accounting Machines, for 2002.)*	333313 J100 3			
22	Electron tubes Receiving-type (including cathode ray) (new and rebuilt) (Corresponds to value of shipments reported on CIR Form MA334Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 2002.)*	334411 4100 0			
23	Coils, transformers, reactors, and chokes for electronic circuitry (Corresponds to value of shipments reported on CIR Form MA334Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 2002.)*	334416 0100 3			
24	Connectors for electronic circuitry Coaxial (RF) (Corresponds to value of shipments reported on CIR Form MA334Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 2002.)*	334417 1100 0			
25	Printed circuit (wiring) boards or assemblies (Report contract work receipts for work done by you for others on their own materials on lines 47 and 48.) Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components) (Corresponds to value of shipments reported on CIR Form MA334Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components, for 2002.)*	334418 A100 8			
26	Communication systems and equipment, except broadcast, but including microwave equipment, and space satellites	334220 1100 8			
27	Time recording and time stamp machines	334518 3131 8			
28	Parts and attachments for time recording and time stamp machines	334518 3151 6			
29	Nonelectric pencil sharpeners and nonelectric staplers	339942 7111 3			
30	Electric pencil sharpeners and electric staplers	339942 7121 2			
31	Other nonelectric office machines, including nonelectric gummed tape moisteners, paper cutters and trimmers, perforators, punches, scalers for gummed tape, and staple removers	333313 E111 5			
32	Other electric office machines	333313 E121 4			
33	Custom computer programming services	000973 7210 6			
34	Computer integrated system design	000973 7230 4			
35	Computer processing and data preparation services	000973 7430 0			

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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		
36	Electronic information retrieval services	000973 7440 9			
37	Computer facilities management services	000973 7420 1			
38	Computer rental and leasing	000973 7910 1			
39	Computer maintenance and repair	000973 7920 0			
40	Computer related services, not elsewhere classified	000973 7990 3			
	All other products made in this establishment - <i>Specify and report each product with a sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". Specify unit of measure for quantity. For all remaining products, write "Other" and report a single total value.</i>				
41		18			
42		26			
43		34			
44		42			
45		59			
46		67			
	Contract work (Receipts for work done for others on their own materials)				
47	Printed circuit (wiring) boards*	000930 0031 3			
48	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components)	000930 0032 1			
	All other receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) ↴				
49		000930 0014 9			
	Miscellaneous receipts				
50	Sales of scrap and refuse	000999 8013 8			
51	Receipts for research and developmental work	000999 8041 9			
52	Other miscellaneous receipts	000999 8098 9			
53	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15, line A2.)	000999 8900 6			
54	TOTAL (Should equal 4, line A)	770000 0000 8			

23-25 Not Applicable.

33401159

26 SPECIAL INQUIRIES

COMPUTING AND OFFICE MACHINES

1. Is software embedded at this manufacturing location?

8711 Yes - Go to line 2

8712 No - Go to line 3

2. Do you install non-operating software at this location?

8716 Yes

8717 No

3. Value of the embedded software included in **22** 8718

2002	
Estimates are acceptable	
\$ Mil.	Thou.

4. Is the cost of embedded software reported in **15**?

8721 Yes

8722 No

5. Cost of purchased embedded software 8723

2002	
Estimates are acceptable	
\$ Mil.	Thou.

27 Not Applicable.



33401167

29 OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

0011 <input type="checkbox"/> In operation	0013 <input type="checkbox"/> Temporarily or seasonally inactive							
0012 <input type="checkbox"/> Under construction, development, or exploration	0014 <input type="checkbox"/> Ceased operation - Give date at right →	0018 <table border="1"> <tr> <th>Month</th> <th>Day</th> <th>Year</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Month	Day	Year			
Month	Day	Year						
	0015 <input type="checkbox"/> Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴	→						

0060 Name of new owner or operator	0061 Employer Identification Number		
	Enter EIN of new owner (9 digits) →	-	
0062 Mailing address (number and street, P.O. Box, etc.)			
0063 City, town, village, etc.	0064 State	0065 ZIP Code	
		-	

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?								
0078 <input type="checkbox"/> Yes	0079 <input type="checkbox"/> No - Enter time period covered →	FROM 0070	Month	Year	TO 0071	Month	Year	
0072 Name of person to contact regarding this report				0073 Title				
Telephone 0074	Area code	Number	Extension	Fax 0075	Area code	Number		
0076 Internet e-mail address					Date completed 0069	Month	Day	Year

Thank you for completing your 2002 Economic Census form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

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