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



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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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 laported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and (their hinding charges).

If purchases or transfers do not differ fig. in anti-yillom the amounts cetumy of timb production, you may report the cost of purchases or transfers flowever, if consumption of if its significantly from the amounts purchased or transferred, these amounts should be adjusted for local parties in the materials and supplies inventories by adding the beginning inventory to the amount rule has do that ferred and subtracting ending inventory.

Contract Work - Include the materials accommod these values are the contract work - Include the materials and subtracting ending inventory.

Contract Work - Include a track the last 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 , line A2, not in . The value of these products shipped by this establishment should be reported in under Census product code 999899 1000, "Resales."

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities		n other esta	sed materials an ablishments of y t, including deli (freight-in)	very cost
	0634	0630	0636	0632	\$ Bil.	Mil.	Thou.
1	Glues and adhesives	325520 03	1000 lb				
	Components for electronic circuitry (excluding tubes)						
2	Printed circuit boards (without inserted components)	334412 00					
3	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits)	334413 00					
4	Capacitors	334414 00					
5	Resistors	334415 00					
6	Printed circuit assemblies, loaded boards, and modules (printed circuit boards with inserted electronic components)	334418 01					
7	All other miscellaneous components and accessories for electronic circuitry	334419 01					

Ð	DETAILED COST OF MATERIALS, PARTS,	AND SUPPLIES -	Continued					
Line No.	Materials, parts, and supplies	Conque material Unit of			n of purchased materials and of materials mother establishments of your company  Cost, including delivery cost  (freight-in)			
_	0634	0630	0636	0632	\$ Bil.	Mil.	Thou.	
8	Static power supplies for electronic applications	334419 04	0030	0032	0631			
9	Electronic cable harnesses and cable assemblies	334419 06						
10	Electronic connectors	334417 01	ON (	COPY				
11	Electronic connectors  Microwave components and device (excluding antenna, tubes, and semiconductors)  Parts, components, and subassembles for telephone switching excipinent	RMA   + 33418E	TOF	REPC	RT			
12	Parts, components, and subject multiples for telephone switching examinent	334210 11						
13	Electronic communications systems and equipment (including wireless, radio, television, satellite, and airborne transmitters and receivers (microwave, UHF, VHF, etc.))	334220 05						
14	Electrical instrument mechanisms and meter movements (including instrument relays)	334515 01						
15	Electronic computer equipment	334110 01						
16	Relay and industrial controls	335314 08						
17	Current-carrying wiring devices	335931 01						
18	Fiber optic cable	335921 00						
19	Computer peripheral equipment (including storage devices and terminals)	334110 10						
20	Primary metal mill shapes and forms (including castings (steel, aluminum, etc.))	331000 01						
	Fabricated metal products							
21	Sheet metal products (including stampings)	332000 88						
22	Other fabricated metal products (including forgings)	332000 07						
23	Insulated primary metal wire and cable (including magnet wire)	331000 70						
		CONTINUE WITH	ON PAGE	13				

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.								
Ð	DETAILED COST OF MATERIALS, PARTS,	AND SUPPLIES -	Continued					
Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	received fron	n other est	sed materials ar ablishments of v st, including deli (freight-in)	your company ivery cost	
_				Quantity	\$ Bil.	Mil.	Thou.	
	0634	0630	0636	0632	0631			
24	Fabricated plastics products (excluding gaskets, hoses, and belting)	326190 07						
25	Unsupported plastics film and sheet (excluding packaging)	326113 06		COPY				
26	Unsupported plastics film and sheet (excluding packaging)  Plastics resins consumed in the form of granules, pellets, powders, liquids acceptable, rods, tubes in the shapes)  Polyurethane packaging fram products	RMAT T *115E	10N TO 1	REPO	RT			
27	Polyurethane packaging feam products .	326150 20						
28	Plastics packaging film and sheet (including laminated)	326112 05						
29	Paper and paperboard containers	322200 05						
30	Wood boxes, pallets, skids, and containers (including combination wood and paperboard)	321920 04						
31	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.)	009700 99						
32	<b>TOTAL</b> (Should equal total reported in <b>©</b> , line A1)	771000 00						
18	-21 Not Applicable.							
_	_							



# 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

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 codes 999899 2025, 999899 2030, and 999999 1000

Resales - Do not report on the specific product lines the self-receipts and SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANYANA SOLD WITHOUT FURTHER MANDER CTURE. Report only a value under Census code 999899 1000, "Test les."

Resales - Do not report on the specific product lines the start of ROLL OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WIT under Census code 999899 1000, "Les le

ö	Production TUSE TO	Census product	Products	ther receipts					
Line No.	Products and stricts	code		ant					
ڌ			\$ Bil.	Mil.	Thou.				
	Telephone switching and switchboard equipment	0730	0731						
	relephone switching and switchboard equipment								
1	Central office equipment	334210 1105							
2	Private branch exchange equipment	334210 1119							
3	Other telephone and switchboard equipment	334210 1125							
4	Parts, components and subassemblies	334210 1199							
	Carrier line equipment (including local loop and long haul								
	transmission) and non-consumer modems								
	Multiplex equipment (including channel banks, analog and								
5	digital)	334210 4112							
6	External modems for POTS, ISDN, DSL, PSTN	334210 4142							
	Fiber Optic Equipment								
	Fiber Optic Equipment								
_	5								
7	Equipment meeting SONET standards	334210 4145							
8	Equipment not meeting SONET standards	334210 4148							
	All other carrier line equipment (Specify kind)								
9		334210 4137							
10	External modems, consumer	334418 4100							
	_								
	CONTINUE WITH 29 ON PAGE 15								

	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	Census product code	\$ Bil.	ts shipped and o Value, f.o.b. pl Mil.	·					
	Data communications equipment (including LAN/WAN switches, routers, and other networking equipment)	0730	0731							
11	Telephone sets (including wireless phone sets) (excluding cell phones)	334210 7201								
12	Other public switched telephone network (PSTN) type premise equipment (excluding PBX equipment)	224 TO YO								
13	Routers (including service profiler out RMATION	REP.C	RT							
14	Other public switched telephone network (PSTN) type premise equipment (excluding PBX equipment)	334210 7204								
15	Voice/call message processing equipment	334210 7205								
16	Parts, components, and subassemblies for wireline voice and data network equipment	334210 7207								
	All other data communications equipment (including voice and data networking equipment) (Specify kind)									
17		334210 7206								
18	Broadcast, studio, and related electronic equipment  Audio production equipment for broadcast studios (including microphones, mixers, other electronic equipment and parts and accessories)	334220 2107								
19	Video production equipment (including professional VCRs, switches, character generators, and other electronic equipment)	334220 2113								
20	AM and FM transmitters	334220 2116								
21	TV transmitters	334220 2118								
22	Other transmission equipment	334220 2119								
23	Cable TV (master antennae and CATV equipment)	334220 2143								
24	Closed circuit television systems	334220 2144								
25	Other broadcast and antennae equipment	334220 2155								
26	Parts and accessories	334220 2199								
	CONTINUE WITH 20 ON PAGE 16									

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				
Line	0734	0730	\$ Bil.	Mil.	Thou.		
	Wireless Networking Equipment						
27	Cellular base stations	334220 3103					
28	Cellular mobile telephone switching equipment	334220 3105					
29	Cellular handsets (cell phones)	23420PY					
30	Cellular handsets (cell phones)  Wi-Fi public equipment  INFORMATION  Wi Max equipment  DO: NOT USE TO	REPO	RT				
31	Wi Max equipment DO NOT USE	334220 3111					
32	Other cellular networking equipment	334220 3113					
	Radio station equipment						
33	Space based (satellite) stations	334220 5104					
34	Airborne and marine based stations	334220 5109					
35	Earth fixed based systems	334220 5114					
36	Earth mobile based systems	334220 5116					
	Other communications systems and equipment (including GPS)						
37	Checkout, monitoring, evaluation, and other electronic support equipment	334220 9101					
38	Antenna systems, sold separately	334220 9109					
39	Other communications systems and equipment	334220 9125					
	Alarm systems (including electric sirens and horns)						
40	Intrusion detection alarm systems	334290 1101					
41	Fire detection and prevention alarm systems	334290 1102					
42	Other alarm systems	334290 1103					
	CONTINUE WITH <b>②</b> ON PA	GE 17					

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.									
DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued									
Line No.	Products and services	Census product code	Products shipped and o  Value, f.o.b. pl  \$ Bil. Mil.		•				
	0734	0730	0731	IVIII.	THOU.				
43	Vehicular and pedestrian traffic control equipment (including electric railway signals and attachments)	334290 2100							
44	Intercommunications systems (including inductive paging systems (selective paging)) (excluding telephone and telegraph)	334290 3100							
	Aeronautical, nautical, and navigational instruments (excluding engine instruments)  Compasses, altimeters, an house and angle of attack indicators, and artificial vizzon flight instruments	COPY	<b>D</b> T						
45	Compasses, altimeters, an hope Condicators	R4EE P106	Kı						
46	Acceleration indicators, rate of tinh and angre-of-attack indicators, and artificial trizon flight instruments	334511 1111							
47	Other aerospace and navigational instruments	334511 1115							
48	Gyroscopes, sold separately	334511 1126							
49	Airframe equipment instruments	334511 1132							
50	Other aerospace flight instruments	334511 1133							
51	Nautical instruments	334511 1135							
52	Parts and components for aeronautical, nautical, and navigational instruments	334511 1137							
	Search, detection, navigation, and guidance systems and equipment								
53	Light reconnaissance and surveillance electronic systems and equipment	334511 3101							
54	Identification Friend or Foe (IFF) equipment	334511 3103							
55	Search, detection, and acquisition radar systems and equipment, airborne and missile/space	334511 3107							
56	Other search, detection, and acquisition radar systems and equipment	334511 3112							
57	Tracking radar systems and equipment (fire control, bombing, bombing-navigational radar, aircraft and missile tracking radar, etc.)	334511 3118							
58	Instrumentation radar systems and equipment (altimeters, highway speed control radar, missile and space tracking radar, etc.)	334511 3125							
	CONTINUE WITH 🥸 ON PA	GE 18							

DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued								
ö		Census product Products shipped and otl						
Line No.	Products and services	code		ant				
=	0734	0730	\$ Bil.	Mil.	Thou.			
	Search, detection, navigation, and guidance systems and							
	equipment - Continued							
	Sonar search, detection, tracking, and communication systems and equipment guidance (including ASM (sonar telephone,							
59	depth finding, hydrophones mapping, sonobuoys, etc.))	334511 3126						
	Electronic checkout and monitoring equipment for radar, sonar							
60	search, detection, and communication systems and equipment	334511 3128						
61	Specialized command and control equipment	COPY						
01	CORMATION	045113133	RT					
62	Other search, detection, identification, and tracking systems and equipment	334511 3136						
	Electronic warfare count mas resequipment (jamming,							
63	communications, and ladary	334511 3137						
64	Other electronic warfare countermeasures equipment	334511 3141						
	Specialized electronic and communications intelligence							
65	equipment	334511 3143						
66	Missile-borne and space vehicle guidance systems	334511 3145						
00	wissing-bottle and space verticle guidance systems	334311 3143						
67	Nonmissile-borne and space vehicle guidance systems	334511 3147						
	Electronic checkout, launching, and other missile and space							
68	support systems	334511 3149						
	Airborne navigational systems, radio navigation receivers and							
69	displays	334511 3151						
70	Airborne navigational systems, airborne integrated data systems/flight recorders	334511 3153						
70	systems/mgnt recorders	334511 3153						
71	Airborne navigational systems, inertial navigation systems	334511 3161						
72	Other airborne navigational systems	334511 3168						
73	Surface (ship and ground) navigational systems	334511 3169						
74	Electronic checkout, monitoring, evaluation, and other	22/511 2172						
74	electronic equipment for navigational systems and equipment	334511 3173						
75	All other search and detection, navigation, and guidance systems and equipment	334511 3181						
	CONTINUE WITH <b>②</b> ON PA	GE 19						

If n Nu	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	Census product code	Product	s shipped and c Value, f.o.b. p Mil.	·					
	0734	0730	0731							
	Sighting, tracking, and fire-control equipment, optical-type									
76	Sighting, tracking, and fire-control equipment made from lenses, prisms, etc., produced in this plant	333314 1101								
77	Sighting, tracking, and fire-control equipment made from purchased lenses, prisms, etc.	333314 1103								
78	Sighting and tracking laser systems ORMA.T.ION Night vision goggles and equipment T. USE.T.	333314 14040 REP0	RT							
79	Night vision goggles and equipment. T	333314 1106								
80	Parts and accessories of sighting, tracking, and fire-control equipment	333314 1109								
81	Memory	334413 1501								
	Printed circuit assemblies, loaded boards and modules (printed circuit boards with inserted electronic components)									
82	Communications printed board assemblies	334418 B102								
83	Instrumentation printed board assemblies (excluding industrial process)	334418 B104								
84	Search and detection printed board assemblies	334418 B105								
85	Electronic teaching machines, teaching aids, trainers, and simulators (including kits)	333319 7100								
	Equipment for testing electrical, radio and communication circuits, and motors									
86	Voltage, current, and resistance measuring equipment	334515 4102								
87	Waveform measuring and/or analyzing equipment	334515 4126								
88	Signal generating equipment	334515 4136								
89	Combination and/or group test sets	334515 4149								
90	Microprocessor semiconductor test equipment	334515 4157								
91	Other semiconductor component test equipment	334515 4159								
	CONTINUE WITH <b>②</b> ON PA	GE 20								

<u>o</u>		Census product	Products shipped and other receip			
Line No.	Products and services	code		Value, f.o.b. plar		
:=	0734	0730	\$ Bil.	Mil.	Thou.	
	Equipment for testing electrical, radio and communication circuits, and motors - Continued	0730	0731			
92	Favings and subsequently test savings at	224545 4405				
12	Equipment and subassembly test equipment	334515 4165				
93	Standards and calibration equipment	334515 4168				
	Network analyzers  Other communications test equipment (Specific TO)	COPY				
94	Network analyzers	REPO	RI			
	Other communications test equipment (She is 10) 7	_				
95	DO .	334515 4185				
	Other test equipment (Specify kind)					
96		334515 4196				
97	Parts and components for test equipment	334515 4197				
	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.)					
98		18				
		26				
99		34				
100		42				
101						
102		59				
		67				
103						
	CONTINUE WITH 🥸 ON PA	GE 21				

rage 2									
If ı Nu	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								
Jo.	Products and services	Census product	Products	s shipped and o	ther receipts				
Line No.	Floducts and services	code	4.50	Value, f.o.b. pl					
	0734	0730	\$ Bil.	Mil.	Thou.				
	Contract work								
104	Contract receipts for manufacturing printed circuit (wiring) boards for others on their materials	999899 2025							
105	Contract receipts for manufacturing printed circuit assemblies, loaded boards, or modules for others on their materials	999899 2030							
	All other receipts for work done for others on their materals (Specify kind)	COPI	RT						
106	All other receipts for work done for others on their marker als NEORIVE TO	999899 2090							
107	Resales - Sales of produce bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 6, line A2.)	999899 1000							
108	Receipts for research and development	999899 9021							
109	Other miscellaneous receipts (including receipts for repair work, etc.)	999899 9090							
110	TOTAL (Should equal total reported in 6)	770000 0000							
2	)–25 Not Applicable.								



### 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	DY			
1012		No - Go to B  INFORMATION CC  INFORMATION CC  INFORMATION CC	,	DT		
		MEOKINA	KI	2012		
		INFO TO KE		\$ Bil.	Mil.	Thou.
Repo mani	rt th ufac	NFORMATORE TO RE the costs incurred by the etablishment for contract sturing purchase in 2012	. 1013			

Report the value of sales, shipments, receipts, or revenue generated in 2012 from products whose purchases were reported as contract

1015

### **B.** RECEIPTS FROM CONTRACT MANUFACTURING

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

### Include:

2.

- 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 - <i>Go to <b>C</b></i>

	2012						
	\$ Bil.	Mil.	Thou.				
9							
9							

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

1020

shown, please enter your 11-digit Census File			
ber (CFN) from the mailing address.			
SPECIAL INQUIRIES - Continued			
C. DEFENSE RELATED MANUFACTURING ACTIVITY			
1. Did this establishment ship national defense related products in 2012?			
1022 Yes - Go to line 2			
1023 No - Go to 👽			
		2012	
2. For this abovious location, account the value of calculations and accounts	\$ Bil.	Mil.	Thou.
2. For this physical location, report the value of sales, shipments, receipts, or revenue generated in 2012 where the Department of Defense (DOD) was the ultimate customer.			
Include:  • Domestic U.S. Manufacturin Faction (Substates and the District of Columbia).  • Shipments for which the DOD was the ultimation stromer (o.S. Army, U.S. Nate Interplant Transfers to one worth instantial or subsidiaries of your compact of the products.	ıvy, U.S. A	ir Force, U.S.	Marines).
<ul> <li>Shipments to commercial entities or subcontractors who sell to the DOD.</li> </ul>			
Exclude:			
<ul> <li>Nonmanufacturing activities (i.e. services, wholesale).</li> </ul>			
<ul> <li>Shipments to Government agencies such as National Aeronautics and Space Aer</li></ul>			
<ul> <li>Resale of purchased merchandise (sale of products bought and sold without for transformation).</li> </ul>	urther pro	cessing or	

# INFORMATION COPY DO NOT USE TO REPORT

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?				Month		Year		Month	Year
	Yes	No - Enter time period covered —	→ FROM				то		
Name	Name of person to contact regarding this report  Title								
	Area code Number Extension Area co		Area cod	e Number					
Tele- phone		- 888 - 8888	-		Fax		] -	-	
E-mail address							Month	Day	Year
				Date com	e pleted				
Thank you for completing your 2012 ECONOMIC CENSUS form.									

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