

MRF = (an exposure light source wavelength in μm) × (K factor) / numerical aperture

Where the K factor = 0.7.
MRF = minimum resolvable feature size.
f.2. Equipment specially designed for mask making or semiconductor device processing using deflected focused electron beam, ion beam or "laser" beam, having any of the following:
f.2.a. A spot size smaller than 0.2 μm;
f.2.b. Being capable of producing a pattern with a feature size of less than 1 μm; or
f.2.c. An overlay accuracy of better than ±0.20 μm (3 sigma);
g. Masks and reticles designed for integrated circuits controlled by 3A001;
h. Multi-layer masks with a phase shift layer.

■ 16. In Supplement No. 1 to part 774 (the Commerce Control List), Category 3—Electronics, Export Control Classification Number (ECCN) 3E001 is amended by revising the "items" paragraph in the List of Items Controlled section, to read as follows:
3E001 "Technology" according to the General Technology Note for the "development" or "production" of equipment or materials controlled by 3A (except 3A292, 3A980, 3A981, 3A991 or 3A992), 3B (except 3B991 and 3B992) or 3C.

* * * * *

List of Items Controlled

Unit: * * *
Related Controls: * * *
Related Definition: * * *
Items:
The list of items controlled is contained in the ECCN heading.
Note: 3E001 does not control "technology" for the "development" or "production" of:
(a) Microwave transistors operating at frequencies below 31 GHz;
(b) Integrated circuits controlled by 3A001.a.3 to a.12, having all of the following:
(b.1) Using "technology" of 0.5 μm or more; and

(b.2) Not incorporating multi-layer structures.
Technical Note: The term multi-layer structures in Note b.2 does not include devices incorporating a maximum of three metal layers and three polysilicon layers.

■ 17. In Supplement No. 1 to part 774 (the Commerce Control List), Category 3—Electronics, Export Control Classification Number (ECCN) 3E002 is amended by revising the "items" paragraph in the List of Items Controlled section, to read as follows:

3E002 "Technology" according to the General Technology Note other than that controlled in 3E001 for the "development" or "production" of "microprocessor microcircuits", "micro-computer microcircuits" and microcontroller microcircuits having a "composite theoretical performance" ("CTP") of 530 million theoretical operations per second (MTOPS) or more and an arithmetic logic unit with an access width of 32 bits or more.

* * * * *

List of Items Controlled

Unit: * * *
Related Controls: * * *
Related Definitions: * * *
Items:
The list of items controlled is contained in the ECCN heading.
Note: 3E002 does not control "technology" for the "development" or "production" of:
(a) Microwave transistors operating at frequencies below 31 GHz;
(b) Integrated circuits controlled by 3A001.a.3 to a.12, having all of the following:
(b.1) Using "technology" of 0.5 μm or more; and
(b.2) Not incorporating multi-layer structures.
Technical Note: The term multi-layer structures in Note b.2 does not include

devices incorporating a maximum of three metal layers and three polysilicon layers.

■ 18. In Supplement No. 1 to part 774 (the Commerce Control List), Category 4—Computers, Export Control Classification Number (ECCN) 4A002 is amended by revising the "Items" paragraph in the List of Items Controlled section, to read as follows:

4A002 "Hybrid computers" and "electronic assemblies" and specially designed components therefor.
* * * * *

List of Items Controlled

Unit: * * *
Related Controls: * * *
Related Definitions: * * *
Items:
a. Containing "digital computers" controlled by 4A003;
b. Containing analog-to-digital converters having all of the following characteristics:
b.1. 32 channels or more; and
b.2. A resolution of 14 bit (plus sign bit) or more with a conversion rate of 200,000 conversions/s or more.

■ 19. In Supplement No. 1 to part 774 (the Commerce Control List), Category 4—Computers, Export Control Classification Number (ECCN) 4A003, is amended by revising the "Heading", the License Requirements section, the "CTP" paragraph in the License Exceptions section, and the "items" paragraph in the List of Items Controlled section, to read as follows:

4A003 "Digital computers", "electronic assemblies", and related equipment therefor, as follows, and specially designed components therefor.

License Requirements

Reason for Control: NS, MT, CC, AT, NP, XP

Control(s)	Country chart
NS applies to 4A003.b and .c	NS Column 1.
NS applies to 4A003.a, .e, and .g	NS Column 2.
MT applies to digital computers used as ancillary equipment for test facilities and equipment that are controlled by 9B005 or 9B006	MT Column 1.
CC applies to "digital computers" for computerized finger-print equipment	CC Column 1.
AT applies to entire entry (refer to 4A994 for controls on "digital computers" with a CTP ≥ 6 but ≤ 190,000 MTOPS)	AT Column 1.

NP applies, unless a License Exception is available. See § 742.3(b) of the EAR for information on applicable licensing review policies.
XP applies to "digital computers" with a CTP greater than 190,000 MTOPS, unless a License Exception is available. XP controls vary according to destination and end-user and end-use; however, XP does not apply to

Canada. See § 742.12 of the EAR for additional information.
Note: For all destinations, except Cuba, Iran, Iraq, Libya, North Korea, Sudan, Syria, no license is required (NLR) for computers with a CTP not greater than 190,000 MTOPS and for "electronic assemblies" described in 4A003.c that are not capable of exceeding a CTP greater than 190,000 MTOPS in

aggregation. Computers controlled in this entry for MT reasons are not eligible for NLR.
License Exceptions
LVS: * * *
GBS: * * *
CTP: Yes, for computers controlled by 4A003.a or .b, and "electronic assemblies" controlled by 4A003.c, to the exclusion of other technical parameters, with the