



CERTIFICATE



This is to certify that

United Microelectronics Corporation

Fab 8AB, Fab 8C, Fab 8D
No. 3, Li-Hsin Road II, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System.**

Scope:

The design of IP/Library and the associated manufacture of Integrated Circuit wafers.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	20003422 QM15
Excerpt from certificate registration no.	20003422 QM15
Date of original certification	2003-11-12
Valid from	2018-05-21
Valid until	2021-05-20
Date of certification	2018-05-21



DQS Inc.

Brad McGuire
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA
Administrative Office: DQS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist.,
Taichung City, Taiwan 420





Annex to certificate
Registration No. 20003422 QM15

United Microelectronics Corporation

FAB 8ABCD
No. 3, Li-Hsin Road II, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

Location

Scope

50600089
UMC USA
488 De Guigne Drive
Sunnyvale, CA 94085
USA

Sales, Contract review.



CERTIFICATE



This is to certify that

United Microelectronics Corporation

FAB 8E
No. 17, Li-Hsin Road, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System.**

Scope:

The design of IP/Library and the associated manufacture of Integrated Circuit wafers.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	20003420 QM15
Excerpt from certificate registration no.	20003422 QM15
Date of original certification	2003-11-12
Valid from	2018-05-21
Valid until	2021-05-20
Date of certification	2018-05-21



DQS Inc.

Brad McGuire
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA
Administrative Office: DQS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist.,
Taichung City, Taiwan 420





Annex to certificate
Registration No. 20003420 QM15

United Microelectronics Corporation

FAB 8E
No. 17, Li-Hsin Road, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

Location

Scope

20003422
United Microelectronics Corporation
UT No. 3, Li-Hsin Road II
Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

contract review, internal audit management,
management review, customer service, product
design, process design, human resource,
information technology, laboratory, logistics,
marketing, packaging, policy making,
purchasing, quality system management, sales,
strategic planning, supplier management,
testing, training.

50600089
UMC USA
488 De Guigne Drive
Sunnyvale, CA 94085
USA

Sales, Contract review.



CERTIFICATE



This is to certify that

United Microelectronics Corporation

FAB 8F
No. 3, Li-Hsin Road VI, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System.**

Scope:

The design of IP/Library and the associated manufacture of Integrated Circuit wafers.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	20003423 QM15
Excerpt from certificate registration no.	20003422 QM15
Date of original certification	2003-11-12
Valid from	2018-05-21
Valid until	2021-05-20
Date of certification	2018-05-21



DQS Inc.

Brad McGuire
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA
Administrative Office: DQS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist.,
Taichung City, Taiwan 420





Annex to certificate
Registration No. 20003423 QM15

United Microelectronics Corporation

FAB 8F
No. 3, Li-Hsin Road VI, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

Location

Scope

20003422
United Microelectronics Corporation
UT No. 3, Li-Hsin Road II
Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

contract review, internal audit management,
management review, customer service, product
design, process design, human resource,
information technology, laboratory, logistics,
marketing, packaging, policy making,
purchasing, quality system management, sales,
strategic planning, supplier management,
testing, training.

50600089
UMC USA
488 De Guigne Drive
Sunnyvale, CA 94085
USA

Sales, Contract review.



CERTIFICATE



This is to certify that

United Microelectronics Corporation

FAB 8S
No. 16, Creation Road I, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System.**

Scope:

The design of IP/Library and the associated manufacture of Integrated Circuit wafers.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	20003419 QM15
Excerpt from certificate registration no.	20003422 QM15
Date of original certification	2003-11-12
Valid from	2018-05-21
Valid until	2021-05-20
Date of certification	2018-05-21



DQS Inc.

Brad McGuire
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA
Administrative Office: DQS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist.,
Taichung City, Taiwan 420





Annex to certificate
Registration No. 20003419 QM15

United Microelectronics Corporation

FAB 8S
No. 16, Creation Road I, Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

Location

Scope

20003422
United Microelectronics Corporation
UT No. 3, Li-Hsin Road II
Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

Contract Review; Customer service; Human Resource; Information Technology; Internal audit management; Laboratory; Logistics; Management review; Marketing; Packaging; Policy making; Product design; Process design; Purchasing; Quality system management; Sales; Strategic planning; Testing; Training.

50600089
UMC USA
488 De Guigne Drive
Sunnyvale, CA 94085
USA

Sales, Contract review.



CERTIFICATE



This is to certify that

United Microelectronics Corporation

FAB 12A
No. 18, Nanke 2nd Rd., Tainan Science Park, Sinshih Dist.
Tainan City Taiwan 741,
Republic of China

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System.**

Scope:

The design of IP/Library and the associated manufacture of Integrated Circuit wafers.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	20003421 QM15
Excerpt from certificate registration no.	20003422 QM15
Date of original certification	2003-11-12
Valid from	2018-05-21
Valid until	2021-05-20
Date of certification	2018-05-21



DQS Inc.

Brad McGuire
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA
Administrative Office: DQS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist.,
Taichung City, Taiwan 420





Annex to certificate
Registration No. 20003421 QM15

United Microelectronics Corporation

FAB 12A
No. 18, Nanke 2nd Rd., Tainan Science Park, Sinshih Dist.
Tainan City Taiwan 741,
Republic of China

Location

Scope

20003422
United Microelectronics Corporation
No. 3, Li-Hsin Road II
Science-Based Industrial Park
Hsin-Chu City Taiwan 300,
Republic of China

Strategic planning, policy making, internal audit management, management review, sales, marketing, contract review, customer service, product design, process design, purchasing, quality system management, supplier management and laboratory.

50600089
UMC USA
488 De Guigne Drive
Sunnyvale, CA 94085
USA

Sales, Contract review.



CERTIFICATE



This is to certify that

United Microelectronics Corporation (Singapore Branch)

FAB 12i
No. 3, Pasir Ris Drive 12
Singapore 519528
Singapore

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System.**

Scope:

The design of IP/Library and the associated manufacture of Integrated Circuit wafers.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no.	20003426 QM15
Excerpt from certificate registration no.	20003422 QM15
Date of original certification	2003-11-12
Valid from	2018-04-26
Valid until	2021-04-25
Date of certification	2018-04-26



DQS Inc.

Brad McGuire
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA
Administrative Office: DQS Taiwan Inc., 8F, 23, Yuan Huan West Road, Feng Yuan Dist.,
Taichung City, Taiwan 420





**Annex to certificate
Registration No. 20003426 QM15**

**United Microelectronics
Corporation (Singapore Branch)**

FAB 12i
No. 3, Pasir Ris Drive 12
Singapore 519528
Singapore

Location

Scope

20003422

United Microelectronics Corporation
No. 3, Li-Hsin Road II
Science-Based Industrial Park
Hsin-Chu City
Taiwan 300,
Republic of China

Contract review, Internal audit management,
Management review, Customer service, Policy
making, Purchasing, Quality system
management, Sales, Strategic planning,
Supplier management.

20003421

United Microelectronics Corporation
FAB 12A
No. 18, 20, Nanke 2nd Rd.
Tainan Science Park, Sinshih Dist.
Tainan City
Taiwan 741,
Republic of China

Product design, Process design.

50600089

UMC USA
488 De Guigne Drive
Sunnyvale, CA 94085
USA

Sales, Contract review.