



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038	Issue No.:	3	Status:	Current
Supersedes:	IECQ-H ULTW 09.0038 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Headquarters & Fab 12): 8, Li-Hsin Rd. 6,
Hsinchu Science Park,
Hsinchu, 300-78
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

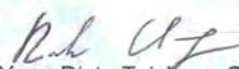
Certificate Issued by the Certification Body (CB):



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang


Feng Yuan Dist., Taichung City Taiwan

Certification Body Sponsoring NAI:



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.: IECQ-H ULTW 09.0038-01 Issue No.: 3 Status: Current

Additional Site to Certification: IECQ-H ULTW 09.0038 Originally Issued: 2006/06/22

Supersedes: IECQ-H ULTW 09.0038-01 Issue 2 Issue Date: 2012/08/23 Org Issue: 2006/06/22

CB Certificate Number: TW-HSPM-1010-1 Expiration: 2015/06/21

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements

Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 2): 121, Park Ave. 3,

Hsinchu Science Park,

Hsinchu, 300-77

Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-02	Issue No.:	3	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:	IECQ-H ULTW 09.0038-02 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-2	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 3): 9, Creation Rd. 1,
Hsinchu Science Park,
Hsinchu, 300-77
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.: IECQ-H ULTW 09.0038-03 Issue No.: 3 Status: Current

Additional Site to Certification: IECQ-H ULTW 09.0038 Originally Issued: 2006/06/22

Supersedes: [IECQ-H ULTW 09.0038-03 Issue 2](#) Issue Date: 2012/08/23 Org Issue: 2006/06/22

CB Certificate Number: TW-HSPM-1010-3 Expiration: 2015/06/21

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 5): 121, Park Ave. 3,
Hsinchu Science Park,
Hsinchu, 300-77
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-04	Issue No.:	3	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:	IECQ-H ULTW 09.0038-04 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-4	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 6): 1, Nan-Ke North Rd.,
Tainan Science Park,
Tainan, 741-44
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.



Electronic Components Certification Corporation

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-05	Issue No.:	3	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:	IECQ-H ULTW 09.0038-05 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-5	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 7): 6, Creation Rd. 2,
Hsinchu Science Park,
Hsinchu, 300-77
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-06	Issue No.:	3	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:	IECQ-H ULTW 09.0038-06 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-6	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 8): 25, Li-Hsin Rd.,
Hsinchu Science Park,
Hsinchu, 300-78
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.



Electronic Components Certification Corporation

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-08	Issue No.:	3	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:	IECQ-H ULTW 09.0038-08 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-8	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

TSMC (China) Company Limited

(Fab 10): 4000, Wen Xiang Road,
Songjiang, Shanghai, 201616
China

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-11	Issue No.:	1	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:		Issue Date:	2012/09/18	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-11	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 12P4): No. 168, Park Ave. II,
Hsinchu Science Park,
Hsinchu, 300-75
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-07	Issue No.:	3	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:	IECQ-H ULTW 09.0038-07 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-7	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 14): 1-1, Nan-Ke North Rd.,
Tainan Science Park,
Tainan, 741-44
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.



Electronic Components Certification Corporation

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-10	Issue No.:	1	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:		Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-10	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(Fab 15): No. 1, Keya 6th Rd.,
Daya Dist.,
Taichung City, 428
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.



Electronic Components Certification Corporation

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).



IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components,
Assemblies, Related Materials and Processes

For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.:	IECQ-H ULTW 09.0038-09	Issue No.:	3	Status:	Current
Additional Site to Certification: IECQ-H ULTW 09.0038		Originally Issued: 2006/06/22			
Supersedes:	IECQ-H ULTW 09.0038-09 Issue 2	Issue Date:	2012/08/23	Org Issue:	2006/06/22
CB Certificate Number:	TW-HSPM-1010-9	Expiration:	2015/06/21		

Applicable to:

European Directive 2011/65/EU ("RoHS") requirements
Other Identified Hazardous Substances

Taiwan Semiconductor Manufacturing Company, Ltd.

(BP): No. 3, Sec. 2, Huanxi Rd.,
Tainan Science Park,
Tainan, 744-41
Taiwan

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification:

- IECQ QC 080000:2005 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:

The development of semiconductor foundry process technology and IP/Library design, and the associated manufacture of Integrated Circuits.

File Number: 20002969 QC

Certificate Issued by the Certification Body (CB):

Certification Body Sponsoring NAI:



DQS-UL MSS Group - UL MSS (Taiwan) Inc.

Authorized person:

Rock Chang

Feng Yuan Dist., Taichung City Taiwan



Electronic Components Certification Corporation

Midland Texas 79708 UNITED STATES

Web Site: www.ecccorp.org

The validity of this certificate is maintained through on-going surveillance inspections.

Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.

This certificate and any schedule(s) may only be reproduced in full.

This certificate is not transferable and remains the property of the issuing body.

The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).