

Tohoku Electric Inc.

71, Aza-Shinishiminato, Nakajima, Ishinomaki-shi
Miyagi-ken 986-0103 Japan

See Certificate Addendum for off-site locations.

Underwriters Laboratories Inc.® (UL), Melville, NY, USA, issues this certificate to the Firm named above, after assessing the Firm's quality system and finding it in compliance with

ISO 9001:2000

EN ISO 9001:2000; BS EN ISO 9001:2000; ANSI/ASQ Q9001:2000

for the following scope of registration

3676 (US): Electronic Resistors

3679 (US): Electronic Components, Not Elsewhere Classified

The design, development and manufacture of flat chip resistors and chip network resistors. The manufacture of checker chips for receiving signals from printed circuit boards in accordance with design specifications provided by KOA Corporation. KOA Corp. Headquarters at 3672,Oaza Ina, Ina-shi performs: internal quality audit, calibration, testing and delivery activities. KOA Corp. MUSASHINO-KOUBOU at 2-17-2, Midori-cho, Fuchu-shi performs: sales activity, KOA Corp. TAKUMINOSATO at 2441-1, Kiribayashi, Iida-shi performs: design, PPAP and purchasing activities, Minowa Koa Inc. at 14016-30, Oaza Nakaminowa, Minowa-machi performs: design and PPAP activities, KOA Corp. Pine Park at 14016-193, Oaza Nakaminowa, Minowa-machi performs: design and PPAP activities. KOA Speer Electronics Inc. at Bolivar Drive Bradford, Pennsylvania and KOA Denko(s) PTE Ltd. at 72 Bendemeer Road, #06-02, Hiap Huat House, Singapore perform : sales, delivery and handling of PPAP. The remote location at D-25578 DAGELING ITZEHOE,GERMANY performs the following primary functions: sales and delivery.

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organization.

This quality system registration is included in UL's Directory of Registered Firms and applies to the provision of goods and/or services as specified in the scope of registration from the address(es) shown above. By issuance of this certificate the firm represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and remains the property of Underwriters Laboratories Inc.®.

File Number: A5150 Volume: 2 of 2

Original Certification Date: January 3, 1997

ISO 9001:2000 Issue Date: September 5, 2003

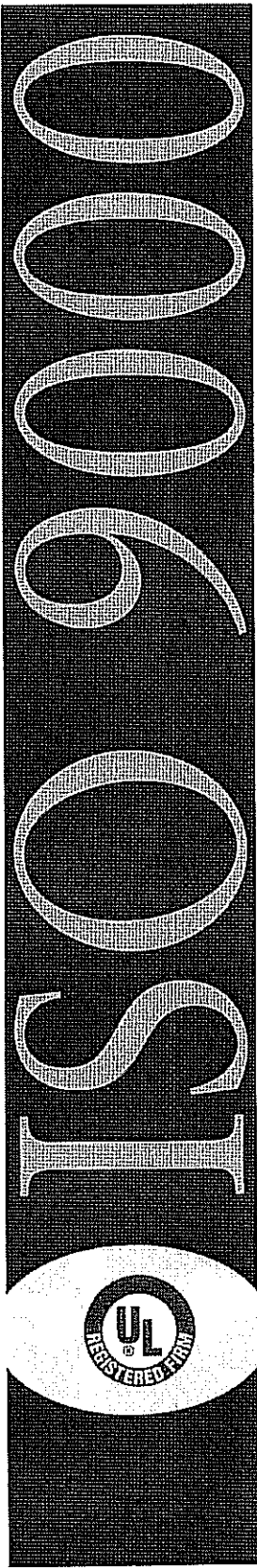
Revision Date: September 25, 2006

Recertification Date: September 25, 2006

Renewal Date: September 24, 2009

Senior Vice President, Chief Development Officer





ADDENDUM

File Number: A5150 Volume: 2 of 2

Registered Company:

Tohoku Electric Inc.

71, Aza-Shinishiminato, Nakajima, Ishinomaki-shi,
Miyagi-ken 986-0103 Japan

The following off-site locations are included under this registration for the functions as identified in the scope of registration and appearing on the Certificate of Registration:

KOA Corporation Headquarters

3672, Oaza Ina, Ina-shi, Nagano 396-8585, Japan

KOA Corporation MUSASHINO-KOUBOU

2-17-2, Midori-cho, Fuchu-shi, Tokyo 183-0006, Japan

KOA Corporation TAKUMINOSATO

2441-1, Kiribayashi, Iida-shi, Nagano, 399-2565, Japan

KOA Corporation Pine Park

14016-30, Oaza-Nakaminowa, Minowa-machi, Kamiina-gun
Nagano 399-4697, Japan

Minowa Koa Inc.

14016-30, Oaza Nakaminowa, Minowa-machi, Kamiina-gun, Nagano,
399-4601, Japan

KOA Denko(s) PTE Ltd.

72 Bendemeer Road, #06-02 Hiap Huat House, Singapore 339941

KOA Speer Electronics Inc.

Bolivar Drive, PO Box 547, Bradford, Pennsylvania 16701
USA

KOA Europe GmbH

KADDENBUSCH 6, D-25578 DAGELING ITZEHOE
GERMANY



Tohoku Electric Inc.

71, Aza-Shinishiminato, Nakajima, Ishinomaki-shi,
Miyagi-ken 986-0103 Japan

Underwriters Laboratories Inc.® (UL), Melville, NY, USA, issues this certificate to the Firm named above (and where applicable in the annex(es) to this certificate), after assessing the Firm's quality system and finding it in compliance with

ISO/TS 16949: 2002

for the following scope of registration

3676 (US): Electronic Resistors

The design, development and manufacture of flat chip resistors and chip network resistors.

Exclusions: None

This quality system registration is included in UL's Directory of Registered Firms and applies to the provision of goods and/or services as specified in the scope of registration from the address(es) shown above. By issuance of this certificate the firm represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and remains the property of Underwriters Laboratories Inc. ®.

File Number: A5150

Volume: 1 of 2

Page 1 of 2

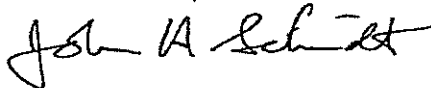
Original Issue Date: November 15, 2003

ISO/TS 16949 Issue Date: November 15, 2003

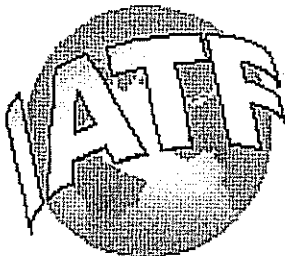
Revision Date: September 25, 2006

Recertification Date: September 25, 2006

Renewal Date: September 24, 2009



Senior Vice President, Chief Development Officer



Certificate Number 0013946



IATF Certificate Number 0013946

Remote Supporting Functions:

KOA Corporation Headquarters

3672, Oaza Ina, Ina-shi, Nagano 396-8585, Japan

The remote location at 3672, Oaza Ina, Ina-shi, Nagano 396-8585, Japan performs the following primary functions: internal quality audit, calibration, testing and delivery activities.

KOA Corporation MUSASHINO-KOUBOU

2-17-2, Midori-cho, Fuchu-shi, Tokyo 183-0006, Japan

The remote location at 2-17-2, Midori-cho, Fuchu-shi, Tokyo 183-0006, Japan performs the following primary functions: sales activity

KOA Corporation TAKUMINOSATO

2441-1, Kiribayashi, Iida-shi, Nagano, 399-2565, Japan

The remote location at 2441-1, Kiribayashi, Iida-shi, Nagano, 399-2565, Japan performs the following primary functions: design, PPAP and purchasing activities

KOA Corporation Pine Park

14016-30, Oaza-Nakaminowa, Minowa-machi, Kamiina-gun, Nagano 399-4697, Japan

The remote location at 14016-30, Oaza-Nakaminowa, Minowa-machi, Kamiina-gun Nagano 399-4697, Japan performs the following primary functions: design and PPAP activities

Minowa Koa Inc.

14016-30, Oaza Nakaminowa, Minowa-machi, Kamiina-gun, Nagano, 399-4601, Japan

The remote location at 14016-30, Oaza Nakaminowa, Minowa-machi, Kamiina-gun, Nagano, 399-4601, Japan performs the following primary functions: design and PPAP activities

KOA Denko(s) PTE Ltd.

72 Bendemeer Road, #06-02 Hiap Huat House, Singapore 339941

The remote location at 72 Bendemeer Road, #06-02 Hiap Huat House, Singapore 339941 performs the following primary functions: sales, delivery and handling of PPAP

KOA Speer Electronics Inc.

Bolivar Drive, PO Box 547, Bradford, Pennsylvania 16701, USA

The remote location at Bolivar Drive, PO Box 547, Bradford, Pennsylvania 16701, USA performs the following primary functions: sales, delivery and handling of PPAP

KOA Europe GmbH

KADDENBUSCH 6, D-25578 DAGELING ITZEHOE, GERMANY

The remote location at D-25578 DAGELING ITZEHOE, GERMANY performs the following primary functions: sales and delivery

