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ELECTROTECHNICAL
COMMISSION

QC
001004

2006 Issue 1

**IEC Quality Assessment System for Electronic
Components (IECQ) –
Specifications list**

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Reference number
QC 001004:2006 Issue 1(E)

INTERNATIONAL
ELECTROTECHNICAL
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Specifications list

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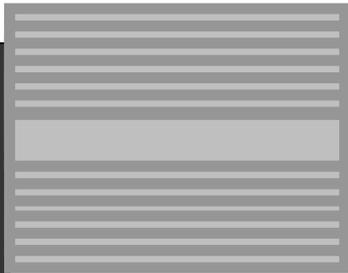
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Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия



NEW!
Hazardous Substance
Process Management (HSPM) page 19



specifications list

QC 001004, up-dated March 2006



International Electrotechnical Commission
Quality Assessment System for Electronic Components

www.iecq.org

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SPECIFICATIONS LIST

The object of the IECQ

... is to facilitate trade, both national and international, by providing for the supply of electronic components of assessed quality which are made and handled by approved manufacturers and distributors, and which buyers can confidently use without further testing. The specifications against which components are approved under the IECQ are part of an overall structure based on IEC standards.

This issue lists

- the current administrative documents of the IECQ,
- the Register of Specifications of the former CECC (CECC merged with IECQ in April 2003),
- cross-references between IECQ specification numbers and IEC Publication numbers,
- provisional specification numbers and their related IECQ specification (or higher order provisional specification) numbers,

and specifications for the following components:

(two lists follow, the first is in alphabetical order, the second by generic number)

List in alphabetical order :

- 07 Avionics, process management (see also 21 and 79)
- 24 Base materials for printed boards (see also 20 and 23)
- 14 Cable assemblies, radio frequency and coaxial
- 46 Cables for digital communication (see also 15)
- 15 Cables, coaxial, communication (see also 46)
- 31 Capacitors, electric double layer
- 30 Capacitors, fixed (see also 20 and 21)
- 48 Connectors, for use in d.c. and low frequency analogue and in digital high speed data applications (see also 01 and 21)
- 01 Connectors, for frequencies below 3MHz, for use with printed boards (see also 21 and 48)
- 03 Connectors, for frequencies below 3MHz, rectangular (see also 21)
- 91 Connectors, for optical fibres and cables (previously 21)
- 22 Connectors, radio frequency (see also 21)
- 25 Cores, for inductors and transformers (see also 21)
- 27 Cores, of magnetically hard ferrite
- 75 Discrete semiconductor devices
- 70 Discrete semiconductor devices and integrated circuits (see 72, 75 and 79)
- 86 Fibre optic adaptors
- 80 Fibre optic attenuators
- 81 Fibre optic non-wavelength-selective branching devices
- 92 Fibre optic circulators
- 77 Fibre optice enclosures

- 88 Fibre optic fan-outs
- 84 Fibre optic filters
- 83 Fibre optic isolators
- 85 Fibre optic mechanical splices and fusion splice protectors
- 94 Fibre optic passive dispersion compensators
- 89 Fibre optic sensors
- 82 Fibre optic spatial switches
- 78 Fibre optic terminus sets
- 95 Fibre optic wavelength switches
- 39 Film resistor networks
- 66 Filters, ceramic
- 64 Filters, piezoelectric
- 65 Filters, surface acoustic wave (SAW)
- 33 Filter units, passive, for electromagnetic interference suppression
- 61 Filters using waveguide type dielectric resonators
- 08 Hazardous substance process management
- 28 Inductors for electromagnetic interference suppression
- 26 Inductors, and transformers
- 79 Integrated circuits (see also 07, 20 and 21)
- 76 Integrated circuits, film and hybrid film
- 72 Liquid crystal and solid-state display devices
- 33 Passive filter units for electromagnetic interference suppression
- 04 Photovoltaics
- 41 Potentiometers
- 23 Printed boards (see also 20, 21 and 24)
- 20 Process Assessment Schedules (see also 23, 24, 30 and 79)
- 69 Quartz crystal controlled oscillators
- 68 Quartz crystal units
- 14 Radio frequency and coaxial cable assemblies
- 19 Reed contact units (see also 16)
- 16 Relays, electromechanical, all-or-nothing (see also 19)
- 40 Resistors, fixed (see also 21)
- 67 Resonators, ceramic
- 62 Resonators, surface acoustic wave (SAW)
- 63 Resonators, waveguide type dielectric
- 37 Surge protective devices (see also 42)
- 96 Switches, electro-mechanical
- 97 Switches, keyboard.

- 21 Technology Approval Schedules and Manufacturing Line Approval (21 Connectors, for optical fibres and cables, has become 91) (see also 07, 23, 30, 40 and 79)
- 43 Thermistors, directly heated, negative temperature coefficient
- 44 Thermistors, directly heated, positive step function temperature coefficient
- 45 Thermistors, polymeric, directly heated, positive step function temperature coefficient
- 26 Transformers and inductors
- 11 Tubes, electronic
- 42 Varistors (see also 37)

List by generic number :

- 01 Connectors, for frequencies below 3MHz, for use with printed boards (see also 21 and 48)
- 03 Connectors, for frequencies below 3MHz, rectangular (see also 21)
- 04 Photovoltaics
- 07 Avionics, process management (see also 21 and 79).
- 08 Hazardous substance process management
- 11 Tubes, electronic
- 14 Radio frequency and coaxial cable assemblies
- 15 Cables, coaxial, communication (see also 46)
- 16 Relays, electromechanical, all-or-nothing (see also 19)
- 19 Reed contact units (see also 16)
- 20 Process Assessment Schedules (see also 23, 24, 30 and 79)
- 21 Technology Approval Schedules and Manufacturing Line Approval (see also 07, 23, 25, 30, 40 and 79)
- 22 Connectors, radio frequency (see also 21)
- 23 Printed boards (see also 20, 21 and 24)
- 24 Base materials for printed boards (see also 20 and 23)
- 25 Cores, for inductors and transformers (see also 21)
- 26 Transformers and inductors
- 27 Cores, of magnetically hard ferrite
- 28 Inductors for electromagnetic interference suppression
- 30 Capacitors, fixed (see also 20 and 21)
- 31 Capacitors, electric double layer
- 33 Passive filter units for electromagnetic interference suppression
- 37 Surge protective devices (see also 42)
- 39 Film resistor networks
- 40 Resistors, fixed (see also 21)
- 41 Potentiometers
- 42 Varistors (see also 37)
- 43 Thermistors, directly heated, negative temperature coefficient
- 44 Thermistors, directly heated, positive step function temperature coefficient
- 45 Thermistors, polymeric, directly heated, positive step function temperature coefficient
- 46 Cables for digital communication (see also 15)
- 48 Connectors, for use in d.c. and low frequency analogue and in digital high speed data (see also 21)
- 61 Filters using waveguide type dielectric resonators
- 62 Resonators, surface acoustic wave (SAW)

- 63 Resonators, waveguide type dielectric
- 64 Filters, piezoelectric
- 65 Filters, surface acoustic wave (SAW)
- 66 Filters, ceramic
- 67 Resonators, ceramic
- 68 Quartz crystal units
- 69 Quartz crystal controlled oscillators
- 70 Discrete semiconductor devices and integrated circuits (see 72, 75 and 79)
- 72 Liquid crystal and solid-state display devices
- 75 Discrete semiconductor devices
- 76 Integrated circuits, film and hybrid film
- 77 Fibre optic enclosures
- 78 Fibre optic terminus sets
- 79 Integrated circuits (see also 07, 20 and 21)
- 80 Fibre optic attenuators
- 81 Fibre optic non-wavelength-selective branching devices
- 82 Fibre optic spatial switches
- 83 Fibre optic isolators
- 84 Fibre optic filters
- 85 Fibre optic mechanical splices and fusion splice protectors
- 86 Fibre optic adaptors
- 88 Fibre optic fan-outs
- 89 Fibre optic sensors
- 91 Connectors, for optical fibres and cables (previously 21)
- 92 Fibre optic circulators
- 94 Fibre optic passive dispersion compensators
- 95 Fibre optic wavelength switches
- 96 Switches, electro-mechanical
- 97 Switches, keyboard.

Ordering

Published IECQ specifications (QC plus six figures¹) may be purchased (**using the IEC 6xxxx number, see the following pages 9 to 15**) from the IEC Web Store (www.iec.ch), IEC Customer Service Centre (TF +41 22 919 03 00), National Committees, national standards bodies, and approved IEC sales outlets.

¹) First two figures, generic specification; second two figures, sectional specification; third two figures, blank detail specification.

Provisional specifications (PQC, with figures if approved) and national detail specifications should be ordered from the originating country (indicated in brackets or shown in a two-letter code). The addresses are as follows:

- AUSTRIA: ÖVE, Eschenbachgasse 9, A 1010 VIENNA
TP +43 1 587 63 73, TF + 43 1 586 74 08,
E-mail c.gabriel@ove.at
- CHINA: CEPREI, BOX 1501-33, GUANGZHOU 510 610
TP +86 20 872 36 416, TF +86 20 872 36 345,
E-mail cepreizdd@163.com
- FRANCE: UTE, BP 23, F 92262 FONTENEY-AUX-ROSES CEDEX
TP +33(1)40 93 62 00, TF +33(1)40 93 44 08, E-mail info@ute.asso.fr
- GERMANY: DKE, Stresenmannallee 15, D 60596 FRANKFURT AM MAIN
TP +49 69 63 08 332, TF +49 69 96 31 5218, E-mail dke@vde.com
- INDIA: BIS, 9 Bahadur Shah Zafar Marg, NEW DELHI 110 002
TP +91(11)232 30 131/232 33 375/232 3 402, TF +91(11)232 34 062/2323 93
82
E-mail bis@vsnl.com
- JAPAN: Reliability Centre for Electronic Components of Japan
Shin-daiichi Building 6F, 3-4-13 Nihonbashi, Chuo-ku, TOKYO 103-0027
TP+81(3)32722737, TF +81(3)32722926
- KOREA: KTL, 222-13 Guro-dong, Guro-gu, SEOUL 152-848
(Republic of) TP+82(2)860 14 55, TF +82(2)860 14 56
- RUSSIAN FEDERATION: Institute "Elektronstandart", Pobeda Square 2, 196143 SAINT PETERSBURG
TP + 7(812) 2934515, TF + 7(812) 2935253
- UNITED KINGDOM: BSI Product Services, Maylands Avenue, HEMEL HEMPSTEAD HP2 4SQ
TP +44 1442 230 442, TF +44 1442 278 621
- U.S.A: Electronic Industries Alliance, 2500 Wilson Blvd, ARLINGTON VA 22201
TP+1(703)9077557, TF +1(703)9077501
- or from
American Technical Publishers, Ltd., 27-29 Knowl Piece, HITCHIN SG4 0SX,
United Kingdom

In case of difficulty, they may also be ordered from the IECQ Secretariat (TF +41 22 919 03 00, e-mail rk@iecq.org).

CECC and EN publications should be ordered from

CENELEC
Rue de Stassart 35
B 1050 BRUXELLES
Belgium
TP +32(2)5196871, TF +32(2)5196919
E-mail info_pub@cenelec.org
www.cenelec.org (includes publications SEARCH facility)

General enquiries about the IECQ may be addressed to any National Standards Organization or, in case of difficulty, to the publisher, which is the Central Office of the IEC, 3 rue de Varembe, Box 131, CH 1211 Geneva 20, Switzerland, E-mail rk@iecq.org, TP+41(22)9190211, TF +41(22)9190300.

The publisher will be pleased to receive any comments from users of this publication. All comments will be acknowledged.

Whilst every effort has been made to ensure the accuracy of the contents of the Specifications List, the publisher can accept no responsibility for any errors that may have occurred.

Explanation of terms

| | |
|-------------------|--|
| QC | IECQ specification (see QC 001002, clause 8). |
| PQC ... | Provisional specification (see QC 001002, clause 8). |
| print: | The IECQ specification has been approved for publication but the manuscript for printing has not yet been received by the Central Office of the IEC. |
| printing: | The IECQ specification is being printed by the Central Office of the IEC. |
| review: | The draft provisional specification is being reviewed by the Management Committee (MC) to see whether or not it complies with the Rules of the System and is compatible with the relevant IEC Standards. |
| reviewed: | The originating National Authorized Institution is considering comments made during the review period. |
| awaited: | Copies of the approved provisional specification or detail specification have not yet been distributed by the relevant National Authorized Institution. |
| extended: | The originating National Authorized Institution has extended the period of validity of the provisional specification, as permitted under the Rules of the System. |
| validity ended: | Validity of the provisional specification has ended. No further qualification approvals to the specification shall be granted (see QC 001002, clause 8.3.6). |
| FDIS: | The final draft IECQ specification is being voted on by the IEC Technical Committee. The full QC number will be allocated when a positive voting report appears. |
| FMV: | The draft IECQ administrative document is being voted on by the IECQ Management Committee under the Four Months' vote. |
| MDIS: | The draft IECQ specification has been approved by the IEC Technical Committee. However, amendments are being (or will be) voted on. |
| assessment level: | Defined in the relevant sectional or generic specification. |
| PV GAP: | Global Approval Program for Photovoltaics (see www.pvgap.org) |

Current administrative documents of the IECQ

IECQ 01 to QC 001006 are freely downloadable from the website www.iecq.org

| | | |
|---------------|------|--|
| IECQ 01 | 2003 | IEC Quality Assessment System for Electronic Components (IECQ) – Basic Rules |
| QC 001002-1 | 1998 | IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure Part 1, Administration. |
| QC 001002-2 | 1998 | Part 2, Documentation. |
| Amendment 1 | 2004 | New clause on regulations for components specifications and assessment specifications (fast-track) |
| QC 001002-3 | 2005 | Part 3, Approval procedures. |
| QC 001002-4 | 2003 | Part 4, Avionics Assessment Program Requirements. |
| Amendment 1 | 2004 | Concerns assessment team composition. |
| Amendment 2 | 2004 | Concerns the surveillance plan for maintenance of approval |
| QC 001003 | 1998 | Guidance Documents. (editorially updated 2005) |
| QC 001004 | 2006 | Specifications List. Only on website www.iecq.org . Up-dated quarterly. |
| QC 001006 | 2006 | Register of Participating Countries. Only on website www.iecq.org . |
| IEC Guide 102 | 1996 | Electronic components. Specification structures for qualification assessment (Qualification Approval and Capability Approval). Fourth edition. |

IECQ website

<http://www.iecq.org/>

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Cross-reference list between QC and IEC Publication numbers

| <i>QC numbers</i> | <i>IEC Publication numbers</i> | |
|-------------------|--|--|
| 010000 | 60603-1 | (2 nd edition, with Amendment) |
| 010000XX0001 | 60603-13 | |
| 010000XX0002 | 60603-2 | (3 rd edition, with Amendment) |
| 010000XX0003 | 60603-7 | |
| 010000XX0004 | 60603-7-1 | |
| 030000 | 60807-1 | (2 nd edition) |
| 030000XX0001 | 60807-2 | (2 nd edition) (printed number QC 030000XX0002 incorrect) |
| 030000XX0002 | 60807-7 | |
| 04.... | 61215 | |
| 04.... | 61646 | |
| 07.... | 62239 | |
| 080000 | based on EIA/ECCB-954 | (QC 080000 is 2 nd edition, 2005-10) |
| 140000 | 60966-1 | |
| 140101XX000? | 60966-2-5 | (QC number not yet allocated) |
| 140101XX000? | 60966-2-6 | (QC number not yet allocated) |
| 150100 | 61196-1-1 | |
| 160000 | 61811-1 | |
| 160100 | 61811-10 | |
| 160101 | 61811-11 | |
| 160500 | 61811-50 | (2 nd edition) |
| 160501 | 61811-51 | |
| 160502 | 61811-52 | |
| 160503 | 61811-53 | |
| 160504 | 61811-54 | |
| 160505 | 61811-55 | |
| 165000 | (see in this list after 760000 series) | |
| 166000 | 60862-1 (2 nd edition) | (see in this list after 640000 series) |
| 190000 | 62246-1 | (QC number omitted) |
| 200000 | -- | |
| 200012 | -- | |
| 210000 | -- | |
| 210013 | -- | |
| 210018 | 62398 | (Technical Specification) |
| 210022 | -- | |
| 211000 | 61739 | |
| 211001 | 61943 | |
| -- | 61944 | |
| 220000 | 61169-1 | (with Amendments 1 and 2) |
| 220001 | 61169-1-1 | |
| 220200 | 61169-2 | |
| 222400 | 61169-24 | |
| 222800 | 61169-33 | |
| 223100 | 61169-31 | |

| | | |
|----------------------|-------------|---|
| 223600 | 61169-36 | |
| 230000 | 62326-1 | (2 nd edition) |
| 230500 | 62326-4 | (QC number required) |
| 230501 | 62326-4-1 | (printed number QC 230401 incorrect) |
| 250000 | 60723-1 | |
| 250100 | 60723-2 | (with Amendment 1) |
| 250101 | 60723-2-1 | |
| 250200 | 60723-3 | |
| 250201 and 250202 | 60723-3-1 | (printed number QC 250505 corrected by sticker) |
| 250300 | 60723-4 | |
| 250301 | 60723-4-1 | |
| 250400 | 60723-5 | |
| 250401 | 60723-5-1 | |
| 260000 | 61248-1 | |
| 260100 | 61248-2 | |
| 260200 | 61248-3 | |
| 260300 | 61248-4 | |
| 260400 | 61248-5 | |
| 260500 | 61248-6 | |
| 260600 | 61248-7 | |
| 280000 | 60938-1 | |
| 280100 | 60938-2 | |
| 280101 | 60938-2-1 | |
| 280102 | 60938-2-2 | |
| 300000 | 60384-1 | (3 rd edition) |
| 300100 | 60384-11 | (2 nd edition) |
| 300101 | 60384-11-1 | |
| 300200 | 60384-15 | (with Amendments 1 and 2) |
| 300201 | 60384-15-3 | (with Amendment 1) |
| 300202 | 60384-15-2 | |
| 300203 | 60384-15-1 | |
| 300300 | 60384-4 | (3 rd edition with Amendment 1) |
| 300301 | 60384-4-1 | (2 nd edition) |
| 300302 | 60384-4-2 | (with Amendments 1 and 2) |
| 300400 | 60384-2 | (3 rd edition) |
| 300401 | 60384-2-1 | (printed number QC 300101 corrected by sticker) |
| CECC 30401-069 | | (with Amendment 1) |
| 300500 | 60384-6 | (3 rd edition) |
| 300501 | 60384-6-1 | (2 nd edition) |
| 300600 | 60384-8 | (3 rd edition) |
| 300601 | 60384-8-1 | |
| 300700 | 60384-9 | (3 rd edition) |
| 300701 | 60384-9-1 | |
| 300800 | 60384-3 | (2 nd edition) |
| 300801 | 60384-3-1 | (with Corrigendum) |
| 300801XX0001 | 60384-3-101 | (QC number omitted) |
| 301000 | 60384-5 | (2 nd edition) |
| 301001 | 60384-5-1 | |
| 301200 | 60384-16 | (2 nd edition) |
| 301201 | 60384-16-1 | (with Amendment 1) |
| 301300 | 60384-17 | (2 nd edition) |
| 301301 | 60384-17-1 | |
| 301700 | 60384-12 | (2 nd edition) (printed number QC 300700 incorrect) |
| 301701 | 60384-12-1 | |
| 301800 | 60384-13 | (3 rd edition) |
| 301801 | 60384-13-1 | (2 nd edition) |
| 301900 | 60384-10 | (2 nd edition, with Amendments 1 and 2) (replaced by IEC |

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|--------------|-------------|--|
| 301901 | 60384-10-1 | 60384-21 and IEC 60384-22) (with Amendment 1) (replaced by IEC 60384-21-1 and IEC 60384-22-1) |
| 302000 | 60384-20 | |
| 302001 | 60384-20-1 | |
| 302200 | 60384-19 | (2 nd edition) |
| 302201 | 60384-19-1 | (2 nd edition) |
| 302300 | 60384-18 | |
| 302301 | 60384-18-1 | |
| 302302 | 60384-18-2 | |
| 302400 | 60384-14 | (3 rd edition) |
| 302401 | 60384-14-1 | (2 nd edition) |
| 302402 | 60384-14-2 | |
| 302403 | 60384-14-3 | |
| 302500 | 60384-21 | (with Corrigendum 1) |
| 302501 | 60384-21-1 | (with Corrigendum 1) |
| 302600 | 60384-22 | (with Corrigendum 1) |
| 302601 | 60384-22-1 | (with Corrigendum 1) |
| 302700 | 60384-23 | |
| 302701 | 60384-23-1 | |
| 310000 | 62391-1 | |
| 310100 | 62391-2 | |
| 310101 | 62391-2-1 | |
| 330000 | 60939-1 | (2 nd edition, with Corrigendum 1) |
| 330100 | 60939-2 | (2 nd edition, with Corrigendum 1) |
| 330101 | 60939-2-1 | |
| 330102 | 60939-2-2 | |
| 390000 | 61045-1 | |
| 390100 | 61045-2 | |
| 390101 | 61045-2-1 | |
| 400000 | 60115-1 | (3 rd edition, consolidated with Amendment 1) |
| 400100 | 60115-2 | (2 nd edition) |
| 400101 | 60115-2-1 | |
| 400102 | 60115-2-2 | |
| 400200 | 60115-4 | (2 nd edition, with Amendment 1) |
| 400201 | 60115-4-1 | (with Amendment 1) |
| 400201XX0001 | 60115-4-101 | |
| 400201XX0002 | 60115-4-102 | |
| 400202 | 60115-4-2 | |
| 400203 | 60115-4-3 | |
| 400300 | 60115-5 | (2 nd edition) |
| 400301 | 60115-5-1 | |
| 400301XX0001 | 60115-5-101 | |
| 400302 | 60115-5-2 | |
| 400400 | 60115-6 | |
| 400401 | 60115-6-1 | |
| 400401XX0001 | 60115-6-101 | |
| 400401XX0002 | 60115-6-102 | |
| 400402 | 60115-6-2 | |
| 400500 | 60115-7 | |
| 400501 | 60115-7-1 | |
| 400600 | 60115-8 | (with Amendment 1) |
| 400601 | 60115-8-1 | |
| CECC 40400 | | |
| CECC 40401 | | |
| 400700 | 60115-9 | |
| 400701 | 60115-9-1 | |

| | | |
|--------------|-------------|---|
| 410000 | 60393-1 | (2 nd edition, with Amendment 1) |
| 410100 | 60393-2 | (2 nd edition) |
| 410101 | 60393-2-1 | |
| 410101XX0001 | 60393-2-101 | |
| 410102 | 60393-2-2 | |
| 410200 | 60393-4 | (2 nd edition) |
| 410203 | 60393-4-1 | |
| 410204 | 60393-4-2 | |
| 410300 | 60393-5 | (2 nd edition) |
| 410301 | 60393-5-1 | |
| 410302 | 60393-5-2 | |
| 410400 | 60393-3 | (2 nd edition) |
| 410402 | 60393-3-1 | |
| 410500 | 60393-6 | (QC number not stated in the standard) |
| 410501 | 60393-6-1 | (QC number not stated in the standard) |
| 420000 | 61051-1 | |
| 420100 | 61051-2 | |
| 420101 | 61051-2-1 | |
| 420102 | 61051-2-2 | |
| CECC 42000 | | |
| CECC 42200 | | |
| CECC 42201 | | |
| 42201-C001 | | |
| 42201-A001 | | |
| 430000 | 60539-1 | |
| 430100 | 60539-2 | |
| 440000 | 60738-1 | (3 rd edition) |
| 440001 | 60738-1-1 | (2 nd edition) |
| 440002 | 60738-1-2 | |
| 440003 | 60738-1-3 | |
| 440004 | 60738-1-4 | |
| 450000 | 62319-1 | |
| 450001 | 62319-1-1 | |
| 460000 | 61156-1-1 | (QC number not stated in the standard) |
| 460100 | 61156-2-2 | (QC number not stated in the standard) |
| 460200 | 61156-3-2 | (QC number not stated in the standard) |
| 460300 | 61156-4-2 | (QC number not stated in the standard) |
| 460400 | 61156-5-2 | (QC number not stated in the standard) |
| 460500 | 61156-6-2 | (QC number not stated in the standard) |
| 460600 | 61156-7-2 | (QC number not stated in the standard) |
| 480000 | 61076-1 | (with Amendments 1 and 2) |
| 480100 | 61076-2 | |
| 480101 | 61076-2-001 | |
| 480101XX0003 | 61076-2-102 | |
| 480200 | 61076-3 | |
| 480201 | 61076-3-001 | |
| 480201XX0001 | 61076-3-100 | |
| 480201XX0002 | 61076-3-101 | |
| 480201XX0004 | 61076-3-103 | |
| 480300 | 61076-4 | |
| 480300XX? | 61076-3-110 | |
| 480301 | 61076-4-001 | |
| 480301XX0001 | 61076-4-100 | |
| 480301XX0002 | 61076-4-101 | |
| 480301XX0003 | 61076-4-102 | |
| 480301XX0004 | 61076-4-103 | |
| 480301XX0005 | 61076-4-104 | |

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| | | |
|-----------------|-------------|---|
| 480301XX0006 | 61076-4-105 | |
| 480301XX0008 | 61076-4-107 | |
| | 61076-4-108 | |
| 480301XX0011 | 61076-4-110 | |
| | 61076-4-111 | |
| | 61076-4-113 | |
| 480400 | 61076-5 | |
| 480600 | 61076-7 | |
| CECC 75 100 | | |
| CECC 75 101-801 | | |
| CECC 75 200 | | |
| CECC 75 201-011 | | |
| 62000 | 61019-9 | |
| 630000 | 61338-1 | |
| 640000 | 60368-1 | (4 th edition) (with Amendment 1) |
| 640100 | 60368-4 | |
| 640101 | 60368-4-1 | |
| 166000 | 60862-1 | (2 nd edition) |
| 660000 | 61261-1 | |
| 660100 | 61261-2 | |
| 660101 | 61261-2-1 | |
| 670000 | 61253-1 | |
| 670100 | 61253-2 | |
| 670101 | 61253-2-1 | |
| 680000 | 60122-1 | (3 rd edition) |
| 680100 | 61178-2 | |
| 680101 | 61178-2-1 | |
| 680200 | 61178-3 | |
| 680201 | 61178-3-1 | |
| 690000 | 60679-1 | (2 nd edition, with Amendment 2) |
| 690100 | 60679-4 | |
| 690101 | 60679-4-1 | |
| 690200 | 60679-5 | |
| 690201 | 60679-5-1 | |
| 700000 | 60747-10 | (2 nd edition, with Amendment 3) |
| 720000 | 61747-1 | (edition 1.1, with Amendment 1) |
| 720100 | 60747-12 | |
| 720101 | 60747-12-1 | |
| 720102 | 60747-12-2 | |
| 720103 | 60747-12-3 | |
| 720104 | 60747-12-4 | |
| 720105 | 60747-12-5 | |
| 720106 | 60747-12-6 | |
| 720200 | 61747-3 | |
| 720201 | 61747-3-1 | |
| 720300 | 61747-2 | |
| 720301 | 61747-2-1 | |
| 720302 | 61747-2-2 | |
| 750100 | 60747-11 | (printed number QC 750000 incorrect) (with Amendments 1 and 2) |
| 750101 | 60747-3-1 | (printed number QC 750001 incorrect) |
| 750102 | 60747-7-1 | |
| 750103 | 60747-7-2 | |

| | | |
|------------|------------|---|
| 750104 | 60747-7-3 | |
| 750105 | 60747-3-2 | (printed number QC 750005 incorrect) |
| 750106 | 60747-8-2 | |
| 750107 | 60747-7-4 | |
| 750108 | 60747-2-1 | |
| 750109 | 60747-2-2 | |
| 750110 | 60747-6-1 | |
| 750111 | 60747-6-2 | |
| 750112 | 60747-8-1 | |
| 750113 | 60747-6-3 | |
| 750114 | 60747-8-3 | |
| 750115 | 60747-4-1 | |
| 750116 | 60747-4-2 | |
| 760000 | 60748-20 | (printed number QC 763000 incorrect) (with Amendment 1) |
| 760001 | 60748-20-1 | (printed number QC 763000 incorrect) |
| 760100 | 60748-21 | (2 nd edition) |
| 760101 | 60748-21-1 | (2 nd edition) |
| 760200 | 60748-22 | (2 nd edition) |
| 760201 | 60748-22-1 | (2 nd edition) |
| 165000-1 | 60748-23-1 | |
| 165000-2 | 60748-23-2 | |
| 165000-3 | 60748-23-3 | |
| 165000-4 | 60748-23-4 | |
| 165000-5 | 60748-23-5 | |
| 770000 | 62134-1 | |
| 780000 | 61269-1 | |
| 780001 | 61269-1-1 | |
| STACK 0001 | - | Issue 12.2 Notice 2 |
| 790100 | 60748-11 | (with Amendments 1 and 2) |
| 790104 | 60748-2-4 | |
| 790105 | 60748-2-7 | |
| 790106 | 60748-2-9 | |
| 790107 | 60748-2-10 | |
| 790108 | 60748-2-11 | |
| 790109 | 60748-2-2 | |
| 790110 | 60748-2-6 | |
| 790111 | 60748-2-8 | |
| 790121 | 60748-2-12 | |
| 790130 | 60748-2-3 | |
| 790131 | 60748-2-5 | |
| 790132 | 60748-2-1 | |
| 790202 | 60748-3-1 | |
| 790300 | 60748-4 | |
| 790303 | 60748-4-1 | |
| 790304 | 60748-4-2 | |
| 800000 | 60869-1 | (3 rd edition) |
| 800001 | 60869-1-1 | |
| 810000 | 60875-1 | (4 th edition) |
| 820000 | 60876-1 | (3 rd edition) |
| 830000 | 61202-1 | (2 nd edition) |
| 840000 | 61977-1 | |

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| | | |
|-----------------------------------|-------------|---|
| 850000 | 61073-1 | (3 rd edition) |
| | | (printed QC number corrected by sticker) (with Corrigendum) |
| 850200 | 61073-3 | |
| 860000 | 61274-1 | |
| 860001 | 61274-1-1 | |
| 880000 | 61314-1 | (2 nd edition) |
| 880001 | 61314-1-1 | |
| 890000 | 61757-1 | |
| 910000 ² | 60874-1 | (4 th edition) |
| 910001 to 910006 and 910099 | 60874-1-1 | |
| 910003XX0003 | 60874-10-3 | |
| 910004XX0001 | 60874-14-1 | |
| 910004XX0002 | 60874-14-2 | |
| 910004XX0003 | 60874-14-3 | |
| 910004XX0006 | 60874-14-6 | |
| 910004XX0009 | 60874-14-9 | |
| 910004XX0010 | 60874-14-10 | (QC number incorrectly printed as 910004XX00010) |
| 910005XX0001 | 60874-19-1 | |
| 910005XX0002 | 60874-19-2 | |
| 910005XX0003 | 60874-19-3 | |
| 911300 | 60874-17 | |
| 920000 | | |
| 940000 | 61978-1 | |
| 950000 | 62099-1 | |
| 960000 | 61020-1 | |
| 960100 | 61020-2 | |
| 960101 | 61020-2-1 | |
| CECC 96 101-1001 | | |
| CECC 01000-002 | | |
| 960200 | 61020-4 | |
| 960201 | 61020-4-1 | |
| 960201XX0001 | 61020-4-2 | |
| 960300 | 61020-6 | |
| 960301 | 61020-6-1 | |
| 960301XX0001 | 61020-6-2 | |
| 960400 | 61020-5 | |
| 960401 | 61020-5-1 | |
| 960500 | 61020-3 | |
| 960501 | 61020-3-1 | |
| 960501XX0001 | 61020-3-2 | |

² all 210000 series numbers published up to 1995 were changed to 910000 by stickers and a general erratum

**Provisional specification numbers and their related IECQ Specification
(or higher order provisional specification) numbers**

| <i>Provisional specification</i> | <i>Originating NAI or body</i> | <i>Related specification</i> |
|----------------------------------|--------------------------------|--|
| PQC 1 | RU | see capacitors, niobium |
| PQC 2 | RU | PQC 1 |
| PQC 4 to 7 | RU | see capacitors, glass-ceramic dielectric |
| PQC 8 | US | see semiconductor optoelectronic and liquid crystal devices |
| PQC 12 | US | see PQC PVRS 2 |
| PQC 31 | US | QC 300800 |
| PQC 32 | US | QC 300801 |
| PQC 37 | US | see switches, keyboard |
| PQC 39 | RU | see tubes, electronic |
| PQC 46 | GB | QC 301000 |
| PQC 47 | GB | QC 301001 |
| PQC 56 | JP | see filters, ceramic |
| PQC 57 | JP | PQC 56 |
| PQC 58 | JP | PQC 57 |
| PQC 59 | JP | PQC 56 |
| PQC 60 | JP | PQC 59 |
| PQC 61 | JP | PQC 56 |
| PQC 62 | JP | PQC 61 |
| PQC 63 | JP | PQC 56 |
| PQC 64 | JP | PQC 63 |
| PQC 65 | JP | see resonators, ceramic |
| PQC 66 | JP | PQC 65 |
| PQC 67 | JP | PQC 66 |
| PQC 68 | JP | PQC 65 |
| PQC 69 | JP | PQC 68 |
| PQC 71 | US | see cables, coaxial, communication |
| PQC 72 | US | PQC 71 |
| PQC 73 | US | PQC 72 |
| PQC 74 | US | PQC 72 |
| PQC 76 | JP | see surge protective devices |
| PQC 77 | JP | PQC 76 |
| PQC 78 | JP | PQC 76 |
| PQC 79 | JP | PQC 78 |
| PQC 85 | GB | see capacitors, thin film dielectric, surface mounting |
| PQC 86 | GB | PQC 85 |
| PQC 88 | GB | see printed boards |

| | | |
|-----------------------------------|---------------|---|
| PQC 89 | GB | PQC 88 |
| PQC 90 | GB | PQC 88 |
| PQC 91 | GB | PQC 88 |
| PQC 92 | GB | PQC 88 |
| PQC 93 | GB | PQC 88 |
| PQC 94 | GB | PQC 89 |
| PQC 95 | GB | PQC 90 |
| PQC 96 | GB | PQC 91 |
| PQC 97 | IN | see tubes, electronic |
| PQC 98 | IN | PQC 97 |
| PQC 100 | SU | see tubes, electronic |
| PQC 101 | SU | see tubes, electronic |
| PQC 102 | SU | see tubes, electronic |
| PQC 103 | SU | see capacitors, metallized polystyrene film dielectric |
| PQC 104 | SU | see capacitors, metallized polystyrene film dielectric |
| PQC 105 | SU | see semiconductor optoelectronic and liquid |
| PQC 106 | SU | see transformers and inductors, custom built |
| PQC 107 | SU | see transformers and inductors, custom built |
| PQC 108 to 120 | RU | see tubes, electronic |
| PQC 121 | CMC | see tubes, electronic |
| Amendment 1 | | |
| PQC 122 (3 rd edition) | CMC | PQC 121 |
| PQC PVRS 2 | PV GAP | see photovoltaics |
| PQC PVRS 3 | PV GAP and DE | see photovoltaics |
| PQC PVRS 6 | PV GAP | see photovoltaics |
| PQC PVRS 8 | PV GAP | see photovoltaics |

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01. Connectors, for frequencies below 3MHz, for use with printed boards (see also 21 and 48)

| | | |
|------------------------------|------|---|
| QC 010000 | 1991 | Generic specification. |
| Amendment 1 | 1992 | |
| <i>Detail specifications</i> | | |
| QC 010000 IN0001 | 1992 | Euro connectors style R, R/2 and HE11. |
| QC 010000 IN0002 | 1992 | Euro connectors style C and C/2. |
| QC 010000 RU0001 | 1998 | ONP-BC- |
| QC 010000 RU0002 | 1997 | SNP-, SNO- |
| QC 010000 RU0003 | 1998 | SNP-, SNO |
| QC 010000 RU0004 | 1999 | SNP-, SNO |
| QC 010000 XX0001 | 1995 | Two-part connectors, basic grid 2,54 mm (0,1 in), with free connectors for non-accessible insulation displacement terminations (ID). |
| QC 010000 XX0002 | 1995 | Two-part connectors, basic grid 2,54mm (0,1 in), with common mounting features. |
| Amendment 1 | 2000 | |
| QC 010000 XX0003 | 1996 | 8-way connectors, fixed and free, with common mating features. |
| QC 010000 XX0004 | 2002 | 8-way connectors, shielded, fixed and free, with common mating features. |

03. Connectors, for frequencies below 3MHz, rectangular (see also 21)

| | | |
|------------------------------|------|--|
| QC 030000 | 1991 | Generic specification. |
| <i>Detail specifications</i> | | |
| QC 030000 XX0001 | 1992 | Trapezoidal shaped metal shells and round contacts - fixed solder contact types. |
| Amendment 1 | 1996 | |
| QC 030000 XX0002 | 1991 | Polarized guides or jackscrews and size 16 (13A) round contacts - Removable crimp contact types with closed crimp barrels, rear insertion/front release. |
| CECC 75 300 | 1989 | Sectional specification. Rectangular connectors for frequencies below 3MHz. |

04. Photovoltaics (transferred to IEC/EE on 1 January 2004, see www.iecee.org)

| | | |
|----------------------|------|--|
| PQC PVRS 2 | 2001 | Blank detail specification. Crystalline silicon terrestrial photovoltaic (PV) modules, relating to IEC 61215: 1993. (PV GAP) |
| IEC 61215 FR 0001 | 2004 | Types PW 1250 and 1650 |
| IEC 61215 FR 0002 | 2004 | Types I-40NP, I-47, I-50, I-55, I-80NP, I-94, I-100, I-106, I-110, I-150, I-159, I-165 |
| PQC PVRS 3 | 2002 | Blank detail specification. Thin-film terrestrial photovoltaic (PV) modules, relating to IEC 61646: 1996 (PV GAP and DE) |
| IEC 61646 DE 0001 | 2002 | Types ASI-F 2/12, 4/12, 5/12, 8/12 and 10/12 |
| IEC 61646 DE 0002 | 2003 | Types ASITHRU-30-SG and ASIOPAK-30-SG |
| IEC 61646 DE 0003 | 2003 | Types ASI-F 32/x (12 to 72) |
| PQC PVRS 6 | 2001 | Blank detail specification. Charge controllers for photovoltaic (PV) stand-alone systems with a nominal system voltage below 50V. (PV GAP). Annex – Specification and testing procedure. (PV GAP) |
| PQC PVRS 8 | 2001 | Blank detail specification. Inverters for photovoltaic (PV) stand-alone systems. (PV GAP). Annex – Specification and testing procedure. (PV GAP) |

07. Avionics, process management (see also 21 and 79)

| | | |
|--------------|------|---|
| IEC/TS 62239 | 2001 | Process management for avionics – Preparation of an Electronic Component Management Plan. |
|--------------|------|---|

08. Hazardous substance process management

| | | |
|------------------------|------|--|
| QC 080000 IECQ HSPM | 2005 | Electrical and Electronic Components and Products Hazardous Substance Process Management System Requirements |
|------------------------|------|--|

11. Tubes, electronic

| | | |
|---------|------|---|
| PQC 100 | 1994 | Generic specification. Electronic tubes. (RU) |
| PQC 97 | 1991 | Generic specification. Colour picture tube with electrostatic focussing and electromagnetic deflection for colour television receiver. (IN) |
| PQC 98 | 1991 | Blank detail specification. Assessment level E. (IN) |
| PQC 101 | 1994 | Sectional specification. Oscilloscope and display cathode-ray tubes. (RU) |
| PQC102 | 1994 | Blank detail specification. (RU) |
| PQC108 | 1993 | Sectional specification. Photomultipliers. (RU) |

| | | |
|------------------------------|------|---|
| PQC109 | 1993 | Blank detail specification. Photomultipliers. (RU) |
| PQC110 | 1993 | Sectional specification. Cathode-ray camera tubes. (RU) |
| PQC111 | 1993 | Blank detail specification. Cathode-ray camera tubes. (RU) |
| PQC112 | 1993 | Blank detail specification. Photoemissive camera tubes. (RU) |
| PQC113 | 1993 | Sectional specification. Character display. (RU) |
| PQC114 | 1993 | Blank detail specification. Character display. Assessment level F. (RU) |
| PQC115 | 1993 | Sectional specification. Pulsed thyratrons and non-resonance dischargers. (RU) |
| PQC116 | 1993 | Blank detail specification. Pulsed thyratrons and non-resonance dischargers. (RU) |
| PQC117 | 1993 | Sectional specification. Gas-discharge character displays. (RU) |
| PQC118 | 1993 | Blank detail specification. Gas-discharge character displays. (RU) |
| PQC119 | 1993 | Sectional specification. High intensity gas-discharge sources of optical radiation. (RU) |
| PQC120 | 1993 | Blank detail specification. High intensity gas-discharge sources of optical radiation. (RU) |
| PQC121 | 1994 | Generic specification. Cathode-ray tubes (television tubes and display tubes). (CMC) |
| Amendment 1 | 2002 | |
| PQC122 | 2002 | Blank detail specification. Assessment level E. (CMC) |
| <i>Detail specifications</i> | | |
| PQC 39 RU0018 | 2004 | Colour picture tubes A51EJJ..X... |
| PQC 39 RU0019 | 2004 | Colour picture tubes A33EKC..X... |
| PQC 39 RU0020 | 2004 | Colour picture tubes A48EKB..X... |
| PQC 39 RU0021 | 2004 | Colour picture tubes A51EKD..X... |
| PQC 39 RU0022 | 2004 | Colour picture tubes A51EKE..X... |
| PQC 39 RU0023 | 2004 | Colour picture tubes A51EKK01X... |
| PQC 39 RU0024 | 2004 | Colour picture tubes A51EKK11X... |
| PQC 39 RU0025 | 2003 | Colour picture tubes A51EKS..X... |

| | | |
|------------------|------|---|
| PQC 39 RU0026 | 2003 | Colour picture tubes A36EKM..X... |
| PQC 39 US0001 | 1990 | Monochrome cathode-ray tube for alphanumeric/video display. Tube size 34 cm, deflection angle 90°, neck diameter 20 mm, phosphor H17. |

14. Radio frequency and coaxial cable assemblies

| | | |
|-----------------|------|---|
| QC 140000 | 1999 | Generic specification |
| QC 140100 | 1991 | Sectional specification. Flexible coaxial cable assemblies |
| QC 140101 | 1992 | Blank detail specification |
| QC 140101XX0001 | 1997 | |
| QC 140101XX000? | 1998 | Cable assemblies for radio and TV receivers (frequency range 0 to 1 000 MHz, IEC 60169-2 connectors) |
| QC 140101XX000? | 1998 | Cable assemblies for radio and TV receivers (frequency range 0 to 3 000 MHz, IEC 60169-24 connectors) |

15. Cables, coaxial, communication (see also 46)

| | | |
|-----------|------|--|
| QC 150100 | FDIS | Capability approval for coaxial cables. 46A/779/FDIS, 2005-11 |
| PQC 71 | 1987 | Generic specification. Radio frequency cables of assessed quality. (US). |
| PQC 72 | 1987 | Sectional specification. Radio frequency cables, flexible, for operation at a maximum center conductor temperature of 85 °C. (US). |
| PQC 73 | 1987 | Blank detail specification. Flexible radio frequency cable for operation at a maximum center conductor temperature of 85 °C. Assessment level H. (US). |

Detail specifications

| | | |
|------------------|------|--|
| PQC 73 US0001 | 1988 | Radio frequency cables at a maximum center conductor temperature of 85 °C. Assessment level H. |
| PQC 74 | 1987 | Blank detail specification. Flexible radio frequency cable for operation at a maximum center conductor temperature of 85 °C. Assessment level U. (US). |

Detail specifications

| | | |
|------------------|------|---|
| PQC 74 US0001 | 1988 | Radio frequency cables at a maximum center conductor temperature of 85 °C. Assessment level U. Commonly described as ETHERNET* Trunk Cable. |
| Amendment 1 | 1990 | Amends page 2. |

* ETHERNET is a trade mark of the Xerox Corporation

16. Relays, electromechanical, all-or-nothing (see also 19)

| | | |
|------------------------------|------|---|
| QC 160000 | 1999 | Generic specification. (to be used in conjunction with IEC 61810-7 (1997), Part 7: Test and measurement procedures) |
| QC 160100 | 2002 | Sectional specification. Industrial relays |
| QC 160101 | 2002 | Blank detail specification. Industrial relays |
| <i>Detail specifications</i> | | |
| QC 160101 GB0001 | 1996 | Type C412 |
| QC 160101 GB0002 | 1996 | Type C114 |
| QC 160101 GB0003 | 1996 | Type C134 |
| QC 160101 GB0004 | 1996 | Type C432 |
| QC 160101 IN0001 | 1991 | 30 series. |
| QC 160500 | 2002 | Sectional specification. Telecom relays. |
| QC 160501 | 2002 | Blank detail specification. Non-standardized types and construction. |
| QC 160501 CH0001 | 2002 | Type IM, through-hole and surface mounting. 4 th generation. Two change-over contacts. 11mm x 7,5 mm (max.) base |
| QC 160502 | 2002 | Blank detail specification. Two change-over contacts, 20mm x 10mm base. |
| QC 160502 CH0001 | 2002 | Type MT2, through-hole. Two change-over contacts. |
| QC 160503 | 2002 | Two change-over contacts, 14mm x 9mm base. |
| QC 160503 CH0001 | 2002 | Type FP2, through-hole. Two change-over contacts. |
| QC 160504 | 2002 | Blank detail specification. Two change-over contacts. 15mm x 7,5mm base. |
| QC 160504 CH0001 | 2000 | Types FU2, surface mounting, and FT2, through-hole. Two change-over contacts. |
| QC 160504 CH0002 | 2000 | Type FX2, through-hole. Two change over contacts. |
| QC 160504 CH0003 | 2002 | Type P2 V23079, through-hole and surface mounting. Two change-over contacts. |
| QC 160505 | 2002 | Blank detail specification. Telecom, two change-over contacts, 11 x 7,5mm (max.) base |

19. Reed contact units (see also 16)

QC 190000 2002 Generic specification.

20. Process Assessment Schedules (see also 23, 24, 30 and 79)

QC 200000 1996 Process Assessment Schedules for requirements under the IECQ for approval of specialist contractors' processes and/or products within the electronic components industry.

CECC 200 008 1995 Fabrication of GaAs MMICs (GB).

QC 200012 1996 Printed board design facilities (GB). Identical to CECC 200 012, Issue 2, May 1996.

CECC 200 016 1996 Base material for printed boards (IT).

CECC 200 017 1995 Aluminium etching and oxidation (IT).

CECC 200 021 1996 Mass lamination panels (GB).

CECC 200 025 1998 Printed board assembly facilities (GB).

21. Technology Approval Schedules and Manufacturing Line Approval (see also 01, 03, 07, 22, 23, 25, 30, 40, 48, 76, 79)

QC 210000 1995 Technology Approval Schedules. Requirements under the IECQ.

CECC 210 003 1996 Printed boards (GB). See QC 210022

CECC 210 004 1994 Discrete semiconductor devices (GB).

CECC 210 010 1995 Ceramic dielectric capacitors (GB).

CECC 210 011 1995 Electrolytic capacitors (GB).

QC 210012 Reserved PETP capacitors (IN)

CECC 210 013 1996 Fixed low power thin film resistors (leaded/unleaded) (DE) (German version also) (also numbered CECC 240 001).

CECC 210 014 1995 Cables, electrically conductive and fibre-optic (GB).

CECC 210 016 1995 Uncooled infrared detectors (GB).

QC 210018 2004 Ferrite cores (IEC TC 51)

QC 210021 2004 Monolithic microwave integrated circuits (IEC SC 47E/WG2).

QC 210022 2004 Printed boards (GB) (supersedes CECC 210 003)

CECC 240 001 1996 See CECC 210 013

CECC 265 001 1998 Film and hybrid integrated circuits (GB).

CECC 290 001 1997 Microelectronic integrated circuits and ASICs (DE).

CECC 299 001 1999 Manufacture of electrical connectors (GB).

| | | |
|--------------|------|--|
| QC 211000 | 1996 | Integrated circuits - Procedures for manufacturing line approval and quality management. |
| QC 211001 | 1999 | Integrated circuits - Manufacturing line approval application guideline |
| IEC TS 61944 | 2000 | Integrated circuits – Manufacturing line approval – Demonstration vehicles |

22. Connectors, radio frequency (see also 21)

| | | |
|-------------|------|--|
| QC 220000 | 1992 | Generic specification. Radio-frequency connectors. General requirements and measuring methods. |
| Amendment 1 | 1996 | |
| Amendment 2 | 1997 | |
| QC 220001 | 1996 | Single multi-series dual language blank detail specification. |
| QC 220200 | 2001 | Section specification. Type 9,52. |
| QC 222400 | 2001 | Sectional specification. Type F. |
| QC 222700 | FDIS | Sectional specification, Type 1,85. 46D/322/FDIS, 1999-04. |
| QC 222800 | 1996 | Sectional specification. Series BMA r.f. connectors. |
| QC 223100 | 1999 | Sectional specification. Type 1,0. |
| QC 223600 | 1996 | Sectional specification. Microminiatures, coaxial, snap-on coupling, 50 ohm, type MCX. |

23. Printed boards (see also 20, 21 and 24)

| | | |
|----------------|------|---|
| QC 230000 | 1996 | Generic specification. |
| QC 230000 | 2002 | Generic specification. |
| QC 230500 | 1996 | Sectional specification. Rigid multilayer printed boards with interlayer connections. |
| QC 230501 | 1996 | Capability detail specification. (QC number incorrectly printed on the front cover as QC 230401) |
| PQC 88 | 1990 | Generic specification. Identical with CECC 23 000: 1985 (now EN 123000: 1991). |
| PQC 89 | 1990 | Sectional specification – Single and double sided printed boards with plain holes. Identical with CECC 23 100: 1985 (now EN 123100: 1992). |
| PQC 94 | 1990 | Capability detail specification - Single- and double-sided printed boards with plain holes. Identical with CECC 23 100-800: 1985 (now EN 123100-800: 1992). |
| CECC 23100-003 | 1991 | Capability detail specification (GB). |
| PQC 90 | 1990 | Sectional specification – Single- and double-sided printed boards with plated-through holes. Identical with CECC 23 200: 1985 (now EN 123200: 1992). |

| | | |
|------------------|------|--|
| PQC 95 | 1990 | Capability detail specification - Single- and double-sided printed boards with plated-through holes. Identical with CECC 23 200-800: 1985 (now EN 123200-800: 1992). |
| CECC 23200-003 | 1991 | Capability detail specification (GB). |
| PQC 91 | 1990 | Sectional specification – Multilayer printed boards. Identical with CECC 23 300: 1985, with Amendment No. 1: 1986 (now EN 123300: 1992). |
| PQC 96 | 1990 | Capability detail specification - Multilayer printed boards. Identical with CECC 23 300-800: 1985 (now EN 123300-800: 1992). |
| PQC 96 JP0001 | 1992 | Six layers, base material: epoxy glass 249-2-12, prepreg epoxy glass 249-3-1GF, surface finish 1.5Au/Ni, Sn, SnPb. |
| PQC 96 JP0002 | 1993 | Twelve layers, base material: epoxy glass 249-2-12, prepreg epoxy glass 249-3-1GF, surface finish: bare copper. |
| PQC 96 JP0003 | 1993 | Ten layers, base material epoxy glass 249-2-12, prepreg epoxy glass 249-3-1 GF, surface finish 1,5 Au/3Ni, Sn, Sn-Pb, Cu. |
| CECC 23300-003 | 1991 | Capability detail specification (GB). |
| CECC 23300-004 | 1995 | Capability detail specification. Requirements for high performance multilayer backplanes/printed boards (GB). |
| PQC 92 | 1990 | Sectional specification - Flexible printed boards without through connections. Identical with CECC 23 400: 1985 (now EN 123400: 1992). |
| PQC 93 | 1990 | Sectional specification - Flexible printed boards with through connections. Identical with CECC 23 500: 1985 (now EN 123500: 1992). |
| BS 123000 | 2001 | Generic specification |
| BS 123100 | 2001 | Sectional specification. Rigid single-sided and double-sided printed boards with plain holes |
| BS 123100-003 | 2001 | Capability detail specification |
| BS 123200 | 2001 | Sectional specification. Rigid double-sided printed boards with plated-through holes |
| BS 123200-03 | 2001 | Capability detail specification |
| BS 123300 | 2001 | Sectional specification. Rigid multilayer printed boards |
| BS 123300-003 | 2001 | Capability detail specification |
| BS 123400 | 2001 | Sectional specification. Flexible single-sided and double-sided printed boards without through-connections. |
| BS 123400-003 | 2001 | Capability detail specification |
| BS 123500 | 2001 | Sectional specification. Flexible single-sided and double-sided printed boards with through-connections |
| BS 123500-003 | 2001 | Capability detail specification |

| | | |
|---------------|------|--|
| BS 123600 | 2001 | Sectional specification. Flex-rigid multilayer printed boards with through-connections |
| BS 123600-003 | 2001 | Capability detail specification |
| BS 123700 | 2001 | Sectional specification. Flex-rigid double-sided printed boards with through-connections |
| BS 123700-003 | 2001 | Capability detail specification |
| BS 123800 | 2001 | Sectional specification. Flexible multilayer printed boards with through-connections |
| BS 123800-003 | 2001 | Capability detail specification |

24. Base materials for printed boards (see also 20 and 23)

Currently no entries

25. Cores, for inductors and transformers (see also 21)

| | | |
|-------------|------|---|
| QC 250000 | 1982 | Generic specification. Inductor and transformer cores for telecommunications. |
| QC 250100 | 1983 | Sectional specification. Magnetic oxide cores for inductor applications. |
| Amendment 1 | 1989 | Amends 3.4.2b). |
| QC 250101 | 1983 | Blank detail specification. Magnetic oxide cores for inductor applications. Assessment level A. |

Detail specifications

| | | |
|----------------------------|------|--|
| QC 250101 JP0001 | 1988 | Ferrite cores. Assessment level A. Pot core 14 x 8. High permeability. Materials H5A, H5B and H5C2. |
| QC 250101 JP0002 | 1988 | Ferrite cores. Assessment level A. Pot core 14 x 8. Low loss. Materials H6B and H6Z. |
| QC 250101 JP0003 | 1988 | Ferrite cores. Assessment level A. RM6 core. High permeability. Materials H5A, H5B and H5C2. |
| QC 250101 JP0004 | 1988 | Ferrite cores. Assessment level A. RM6 core. Low loss. Materials H6B and H6Z. |
| QC 250200 | 1985 | Sectional specification. Magnetic oxide cores for broad-band transformers. |
| QC 250201 and QC 250202 | 1985 | Blank detail specification. Magnetic oxide cores for broad-band transformers. Assessment levels A and B. |

Detail specifications

None

| | | |
|-----------|------|--|
| QC 250300 | 1987 | Sectional specification. Magnetic oxide cores for transformers and chokes for power applications |
| QC 250301 | 1987 | Blank detail specification. Magnetic oxide cores for transformers and chokes for power applications. Assessment level A. |

Detail specifications

| | | |
|---------------------|------|--|
| QC 250301 IN0002 | 1990 | Magnetic oxide cores for flyback transformers. Type UU5756. |
| QC 250301 IN0003 | 1990 | Magnetic oxide cores for transformers for power applications. Type EE4215. |
| QC 250400 | 1993 | Sectional specification. Adjusters used with magnetic oxide cores for use in adjustable inductors and transformers. |
| QC 250401 | 1993 | Blank detail specification. Adjusters used with magnetic oxide cores for use in adjustable inductors and transformers, Assessment level A. |

Detail specifications

None

26. Transformers and inductors

| | | |
|-----------|-------|---|
| QC 260000 | 1996 | Generic specification. |
| QC 260100 | 1996 | Sectional specification. Signal transformers. |
| QC 260200 | 1996 | Sectional specification. Power transformers. |
| QC 260300 | 1996 | Sectional specification. SMPS transformers. |
| QC 260400 | 1996 | Sectional specification. Pulse transformers. |
| QC 260500 | 1996 | Sectional specification. Inductors. |
| QC 260600 | Print | Sectional specification. HF inductors and IF transformers. 51/441/FDIS, 1996-12. Voting report 51/460/RVD, 1997-03. |
| PQC 106 | 1992 | Generic specification. Custom-built transformers and inductors. (RU). |
| PQC 107 | 1992 | Sectional specification. Power. (RU). |

27. Cores, of magnetically hard ferrite

| | | |
|--------|------|---|
| PQC 38 | 1984 | Generic specification. Magnetic cores of magnetically hard ferrites. (SU, reintroduced by IN 1992-02) |
|--------|------|---|

28. Inductors, for electromagnetic interference suppression

| | | |
|-----------|------|--|
| QC 280000 | 1999 | Generic specification. |
| QC 280100 | 1999 | Sectional specification. |
| QC 280101 | 1999 | Blank detail specification. Inductors for which safety tests are required. Assessment level D. |
| QC 280102 | 1999 | Blank detail specification. Inductors for which safety tests are required (only). |

30. Capacitors, fixed (see also 20 and 21)

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| Polycarbonate film, d.c., metallized film | 34 |
| Polyphenylene sulfide film, d.c., surface mounting | 39 |
| Polyethylene-terephthalate film, d.c., metal foil | 29 |
| Polyethylene-terephthalate film, d.c., metallized film | 33 and 34 |
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| Suppression capacitors for connection to supply mains | 39 |
| Tantalum, electrolytic | 29 to 31 |
| Tantalum, surface mounting | 35 and 36 |
| Thin film dielectric, surface mounting | 38 and 39 |

30. Capacitors, fixed (see also 20 and 21)

| | | |
|------------------------------|------|---|
| QC 300000 | 1999 | Generic specification. |
| QC 300100 | 1988 | Sectional specification. Fixed polyethylene-terephthalate film dielectric metal foil d.c. capacitors. |
| QC 300101 | 1988 | Blank detail specification. |
| <i>Detail specifications</i> | | |
| QC 300101 CN0001 | 1989 | Type CL12. |
| QC 300101 CN0002 | 1992 | Type CL11. |
| QC 300200 | 1982 | Sectional specification. Fixed tantalum capacitors with non-solid or solid electrolyte. |
| Amendment 1 | 1987 | |
| Amendment 2 | 1992 | |
| QC 300201 | 1984 | Blank detail specification. Fixed tantalum capacitors with solid electrolyte and porous anode. Assessment level E. |
| Amendment 1 | 1992 | |
| <i>Detail specifications</i> | | |
| QC 300201 CN0001 | 1989 | Type CA42. |
| QC 300201 CN0002 | 1990 | Type CA. |
| QC 300201 CN0003 | 1993 | Type CA-1 |
| QC 300201 FR0001 | 1986 | |
| QC 300201 GB0001 | 1984 | Type TAP. |
| QC 300201 GB0002 | 1984 | Type TAA. |
| QC 300201 JP0002 | 1984 | Resin dipped encapsulated and radial terminations. (With amended pages 2, 3, 4, 5 and 9) |
| QC 300201 US0001 | 1986 | Hermetically sealed, axial lead, polarized, insulated. |
| QC 300201 US0002 | 1990 | Hermetically sealed, axial lead, polarized, insulated. For high frequency applications. Typical construction: Metal alloy case with solderable nickel leads and glass/metal seal. |
| QC 300201 US0003 | 1986 | Plastic encapsulated, radial lead, polarized. |
| QC 300201 US0004 | 1985 | Polar, axial leaded, molded, non-hermetically sealed. |

| | | |
|---------------------|------|--|
| Amendment 1 | 1986 | Amends page 13. |
| QC 300201 US0005 | 1985 | Rectangular, subminiature, non-hermetically sealed, plastic encapsulated, polarized, insulated, axial lead. |
| Amendment 1 | 1986 | Amends page 13. |
| QC 300201 US0006 | 1985 | Rectangular, subminiature, non-hermetically sealed, plastic encapsulated, polarized, insulated, radial lead. |
| Amendment 1 | 1986 | Amends page 13. |
| QC 300202 | 1984 | Blank detail specification. Fixed tantalum capacitors with non-solid electrolyte and porous anode. Assessment level E. |

Detail specifications

| | | |
|---------------------|------|--|
| QC 300202 GB0001 | 1985 | Glass to metal seal, tubular metallic case, insulated, all tantalum component |
| QC 300202 US0001 | 1983 | Typical construction: Tantalum case, axial lead, hermetically sealed, polarized, insulated. |
| QC 300202 US0002 | 1984 | Silver plated copper alloy case, axial lead, elastomeric seal, polarized, nickel positive, copper negative leads. |
| QC 300202 US0003 | 1984 | Silver case, axial lead, hermetically sealed, polarized, insulated. |
| QC 300202 US0004 | 1984 | Silver case, axial lead, polarized, nickel positive, copper negative lead, case insulated, elastomer seal. |
| QC 300202 US0005 | 1985 | Silver case, axial lead, elastomeric seal, polarized, nickel positive, copper negative leads, insulated. |
| QC 300203 | 1984 | Blank detail specification. Fixed tantalum capacitors with non-solid electrolyte and foil electrode. Assessment level E. |

Detail specifications

| | | |
|---------------------|------|--|
| QC 300203 US0001 | 1984 | Hermetically sealed, axial lead, polar and bi-polar plain foil. |
| QC 300203 US0002 | 1984 | Hermetically sealed, axial lead, polar and bi-polar, etched and hi-etched foil. |
| QC 300203 US0003 | 1984 | Non-hermetically sealed, axial lead, polar and bi-polar plain foil. |
| QC 300203 US0004 | 1984 | Non-hermetically sealed, axial lead, polar and bi-polar etched and hietched foil. |
| QC 300300 | 1998 | Sectional specification. Aluminium electrolytic capacitors with solid and non-solid electrolyte. |

Amendment 1 2000

| | | |
|-----------|------|---|
| QC 300301 | 2000 | Blank detail specification. Aluminium electrolytic capacitors with non-solid electrolyte. Assessment level E. |
|-----------|------|---|

Detail specifications

| | | |
|---------------------|------|-------------|
| QC 300301 CN0001 | 1987 | Type CD 11. |
|---------------------|------|-------------|

| | | |
|---------------------|------|---|
| QC 300301 CN0002 | 1989 | Type CD30. |
| QC 300301 CN0003 | 1989 | Type CD110. |
| QC 300301 CN0004 | 1989 | Type CD291, CD292 and CD293. |
| QC 300301 CN0005 | 1990 | Type CD 288. |
| QC 300301 GB0001 | 1989 | Cylindrical, polar, insulated case, screw terminations, not for printed board applications. |
| QC 300301 GB0002 | 1989 | Cylindrical, polar, insulated case, rigid pin and tag solder terminations. |
| QC 300301 GB0003 | 1989 | Cylindrical, polar, insulated case, rigid terminations, PC mounting. |
| QC 300301 JP0001 | 1986 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 JP0002 | 1990 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 JP0003 | 1992 | M series. |
| QC 300301 JP0004 | 1992 | NHE series. |
| QC 300301 JP0005 | 1992 | HA series. |
| QC 300301 JP0006 | 1992 | SWB series. |
| QC 300301 JP0007 | 1994 | RC3 series. |
| QC 300301 KR0001 | 1984 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 KR0002 | 1985 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 KR0003 | 1985 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 KR0004 | 1987 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 KR0005 | 1987 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 KR0006 | 1990 | Tubular, polar, metallic case, insulated, radial terminations. |

| | | |
|------------------------------|------|---|
| QC 300301 KR0007 | 1994 | Tubular, polar, metallic case, insulated, radial terminations. |
| QC 300301 SE0001 | 1989 | Cylindrical, polar, metallic (insulated) case, axial wire terminations. |
| QC 300301 SU0001 | 1990 | Type K50-53. |
| QC 300301 US0001 | 1987 | Type SE. |
| QC 300301 US0002 | 1987 | Type LY. |
| QC 300301 US0003 | 1990 | Type SK. |
| QC 300301 US0005 | 2002 | Type GR and SM. |
| QC 300301 US0006 | 2002 | Type LY. |
| QC 300302 | 1985 | Blank detail specification. Aluminium electrolytic capacitors with solid electrolyte. Assessment level E. |
| Amendment 1 | 1992 | |
| Amendment 2 | 1996 | |
| <i>Detail specifications</i> | | |
| None | | |
| QC 300400 | 2005 | Sectional specification. Fixed metallized polyethylene-terephthalate film dielectric d.c. capacitors. |
| QC 300401 | 2005 | Blank detail specification. |
| <i>Detail specifications</i> | | |
| QC 300401 CN0001 | 1989 | Type CL21. |
| QC 300401 CS0001 | 1991 | |
| QC 300401 FR0001 | 1988 | |
| QC 300401 FR0002 | 1990 | |
| QC 300401 HU0001 | 1991 | Type C233. |
| QC 300401 IN0001 | 1989 | Type MKT 1.60 |
| QC 300401 IN0002 | 1991 | Type MKT 1.67 |
| QC 300401 | 1991 | |

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KR0001

| | | |
|---|---------|---|
| QC 300401 RU0002 | 1990 | Type K 73-11 |
| QC 300401 RU0003 | 1993 | Type K 73-17 |
| QC 300401 RU0004 | 1999 | Type K73-01 |
| QC 300401 ZA0001 | 1989 | Boxed |
| QC 300401 ZA0002 | 1989 | Epoxy dipped |
| QC 300401 ZA0003 | 1989 | Miniature epoxy dipped |
| CECC 30401-069 | 2005 | Issue 2 |
| QC 300500 | 2005 | Sectional specification. Fixed metallized polycarbonate film dielectric d.c. capacitors. |
| QC 300501 <i>Detail specifications</i> | 2005 | Blank detail specification. |
| None | | |
| QC 300600 | 2005 | Sectional specification: Fixed capacitors of ceramic dielectric, Class 1 |
| QC 300601 <i>Detail specifications</i> | 2005 | Blank detail specification. Assessment level EZ. |
| QC 300601 CN0001 | 1992 | Type CC1. |
| QC 300601 JP0001 | 1989 | Radial type (small, thin and lightweight), ceramic dielectric and electrodes multilayered. |
| QC 300601 JP0002 | 1988 | Disc, single, dipped capacitor with wire radial terminations, intended for printed circuits |
| QC 300601 JP0003 | 1988 | Disc type, single form, radial terminations. |
| QC 300601 JP0004 | awaited | |
| QC 300601 SG0001 | 1989 | |
| QC 300601 US0001 | 1987 | Class 1B. Conformal insulated coating, axial leads. |
| QC 300601 US0002 | 1987 | Class 1B. Conformal insulated coating, radial leads. |

| | | |
|---|------|--|
| QC 300601 US0003 | 1988 | Class 1. Disc type, single form, radial terminations. |
| QC 300601 US0004 | 1991 | Class 1B. Molded case multilayer ceramic - axial leads. |
| QC 300601 US0005 | 1991 | Class 1B. Molded case multilayer ceramic - radial leads. |
| QC 300700 | 2005 | Sectional specification. Fixed capacitors of ceramic dielectric, Class 2. |
| QC 300701 <i>Detail specifications</i> | 2005 | Blank detail specification. Assessment level EZ. |
| QC 300701 CN0001 | 1992 | Type CT1. |
| QC 300701 KR0001 | 1991 | |
| QC 300701 JP0001 | 1989 | Radial type (small, thin and lightweight), ceramic dielectric and electrodes multilayered. |
| QC 300701 JP0002 | 1988 | Disc, single, dipped capacitor with wire radial terminations, intended for printed circuits. |
| QC 300701 JP0003 | 1988 | Disc type, single form, radial terminations. |
| QC 300701 JP0004 | 1991 | Disc, single, dipped, radial terminations, intended for printed circuits. |
| QC 300701 SG0001 | 1989 | |
| QC 300701 US0001 | 1991 | Class 2E6. Conformal insulated coating, axial leads. |
| QC 300701 US0002 | 1991 | Class 2R1. Conformal insulated coating, radial leads. |
| QC 300701 US0003 | 1991 | Class 2R1. Conformal insulated coating, axial leads. |
| QC 300701 US0004 | 1991 | Class 2E6. Conformal insulated coating, radial leads. |
| QC 300701 US0005 | 1988 | Class 2. Disc type, single form, radial terminations. |
| QC 300701 US0006 | 1991 | Class 2 x 1. Molded case multilayer ceramic - axial leads. |

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| | | |
|------------------------------|---------------------------|---|
| QC 300701 US0007 | 1991 | Fixed capacitors of ceramic dielectric, Class 2 x 1. Molded case multilayer ceramic - radial leads. |
| QC 300800 | 1989 | Sectional specification. Fixed tantalum chip capacitors. |
| QC 300801 | 1989 | Blank detail specification. |
| <i>Detail specifications</i> | | |
| QC 300801 FR0001 | 1988 | |
| QC 300801 JP0001 | 1987 | |
| QC 300801 JP0002 | 1990 | |
| QC 300801 US0001 | 1986 | Style 1 protected - Standard capacitance range. Polar, non-hermetically sealed. |
| Amendment No 1 | 1986 | |
| QC 300801 US0002 | 1986 | Style protected - Extended capacitance range. Polar, non hermetically sealed. |
| QC 300801 XX0001 | 1995 | Surface mounting, with solid electrolyte and porous anode, style I. |
| PQC 31 | 1984 validity ended | Sectional specification. Fixed tantalum chip capacitors with solid electrolyte. (US). |
| PQC 32 | 1984 validity ended | Blank detail specification. (US). |
| <i>Detail specifications</i> | | |
| PQC 32 GB0001 | 1984 | Polar. Solid electrolyte. Metallized terminations. Style 1 protected. Type TAQ. |
| PQC 32 GB0002 | 1985 | Polar. Solid electrolyte. Metallized terminations. Style 1 protected. Type TAQ. |
| PQC 32 GB0003 | 1987 | Polar. Solid electrolyte. Metallized terminations. Style 1. Type TAJ. |
| QC 301000 | 1993 | Sectional specification. Fixed mica dielectric d.c. capacitors. |
| PQC 46 | 1984 | Sectional specification. Fixed mica dielectric d.c. extended capacitors. (GB) |
| QC 301001 | 1993 | Blank detail specification. |
| PQC 47 | 1985 extended | Blank detail specification: (GB) |
| <i>Detail specifications</i> | | |
| PQC 47 IN0001 | 1990 | Moulded, axial. |

| | | |
|------------------------------|------|--|
| PQC 47 IN0002 | 1990 | Dipped, radial. |
| QC 301200 | 2005 | Sectional specification. Fixed metallized polypropylene film dielectric d.c. capacitors. |
| QC 301201 | 2005 | Blank detail specification. |
| <i>Detail specifications</i> | | |
| QC 301201 CN0001 | 1993 | Type CBB 23 |
| QC 301201 CN0002 | 1993 | Type CBB 24 |
| QC 301201 KR0001 | 1991 | |
| QC 301300 | 2005 | Sectional specification. Fixed metallized polypropylene film dielectric a.c. and pulse capacitors. |
| QC 301301 | 2005 | Blank detail specification. |
| <i>Detail specifications</i> | | |
| None | | |
| QC 301700 | 1988 | Sectional specification. Fixed polycarbonate film dielectric metal foil d.c. capacitors. |
| QC 301701 | 1988 | Blank detail specification. |
| <i>Detail specifications</i> | | |
| None | | |
| QC 301800 | 2006 | Sectional specification. Fixed polypropylene film dielectric metal foil d.c. capacitors. |
| QC 301801 | 2006 | Blank detail specification. |
| <i>Detail specifications</i> | | |
| QC 301801 CN0001 | 1993 | Type CBB 13 |
| QC 301801 CN0002 | 1993 | Type CBB 111 |
| QC 301900 | 1989 | Sectional specification. Fixed multilayer ceramic chip capacitors. |
| Amendment 1 | 1993 | |
| Amendment 2 | 2000 | |
| QC 301901 | 1989 | Blank detail specification. |
| Amendment 1 | 1993 | |
| <i>Detail specifications</i> | | |
| QC 301901 JP0001 | 1987 | |

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| | | |
|------------------------------|---------------|---|
| QC 301901 JP0002 | 1987 | |
| QC 301901 JP0003 | 1992 | GRM39, 40, 42-6. |
| QC 301901 JP0004 | 1993 | TCCR. |
| QC 301901 JP0005 | 1993 | CC 10,20,30,40,70. |
| QC 301901 JP0006 | 1993 | KC 20,30,40,70. |
| QC 301901 SG0001 | 1990 | |
| QC 301901 US0001 | 1990 | Subclass 2R1. |
| QC 301901 US0002 | 1990 | Subclass 1B. |
| QC 301901 US0003 | 1991 | For mounting on rigid and non-rigid substrates. Subclass 2R1 and 2X1. Rated Voltages: 50 Volts and 100 Volts. |
| QC 301901 US0004 | 1987 | For mounting on rigid and non-rigid substrates. Subclass 1B. Rated Voltages: 50 Volts and 100 Volts. |
| PQC 85 | 1989 | Sectional specification. Fixed chip capacitors with thin film dielectric. (GB) |
| PQC 86 | 1989 | Blank detail specification. (GB) |
| <i>Detail specifications</i> | | |
| PQC 86 IL0001 | 1989 | Thin film dielectric |
| QC 302000 | 1996 | Sectional specification. Metallized polyphenylene sulfide film dielectric chip d.c. capacitors. |
| QC 302001 | 1996 | Blank detail specification. |
| QC 302200 | 2006 | Sectional specification. Fixed metallized polyethylene-terephthalate film dielectric chip d.c. capacitors. |
| QC 302201 | 2006 | Blank detail specification. |
| QC 302300 | 1993 | Sectional specification. Aluminium electrolytic chip capacitors with solid and non-solid electrolyte. |
| Amendment 1 | 1998 | |
| QC 302301 Amendment 1 | 1993 1998 | Blank detail specification. Solid electrolyte. |
| QC 302302 Amendment 1 | 1993 print | Blank detail specification. Non-solid electrolyte. 40/954/FDIS, 1997-11. Voting report 40/1056/RVD, 1998-02. |
| QC 302302 | 1994 | RV2 Series. |

| | | |
|---------------------|------|--|
| JP0001 | | |
| QC 302002 JP0002 | 1994 | CV-BS Series |
| QC 302400 | 2005 | Sectional specification. Fixed capacitors for electromagnetic interference suppression and connection to the supply mains. |
| QC 302401 | 2005 | Blank detail specification. |
| QC 302402 | 2004 | Blank detail specification. Safety tests only |
| QC 302403 | 2004 | Blank detail specification. Assessment level DZ. Forms the basis for a uniform procedure for a common International Safety Mark. |
| QC 302500 | 2004 | Sectional specification. Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1 |
| Corrigendum 1 | 2004 | |
| QC 302501 | 2004 | Blank detail specification. Assessment to level EZ. |
| Corrigendum 1 | 2004 | |
| QC 302600 | 2004 | Sectional specification. Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2. |
| Corrigendum 1 | 2004 | |
| QC 302601 | 2004 | Blank detail specification. Assessment level EZ. |
| Corrigendum 1 | 2004 | |
| QC 302700 | 2005 | Sectional specification. Fixed surface mount metallized polyethylene naphthalate film dielectric DC capacitors. |
| QC 302701 | 2005 | Blank detail specification. Assessment level EZ. |
| PQC 1 | 1997 | Sectional specification. Niobium capacitors with solid electrolyte. (RU) |
| PQC 2 | 1997 | Blank detail specification. (RU) |
| PQC 2 RU0001 | 1998 | K53-60 |
| PQC 4 | 1994 | Sectional specification. Fixed capacitors of glass-ceramic dielectric, Class 1. (RU) |
| PQC 6 | 1994 | Blank detail specification. (RU) |
| PQC 5 | 1994 | Sectional specification. Fixed capacitors of glass-ceramic dielectric, Class 2. |
| PQC 7 | 1994 | Blank detail specification. (RU) |
| PQC 103 | 1992 | Sectional specification. Fixed metallized polystyrene film dielectric d.c. capacitors. (RU). |
| PQC 104 | 1992 | Blank detail specification. (RU). |

31. Capacitors, electric double layer

| | | |
|-----------|------|---|
| QC 310000 | 2006 | Generic specification |
| QC 310100 | 2006 | Sectional specification. Power application |
| QC 310101 | 2006 | Blank detail specification. Assessment level EZ |

33. Passive filter units for electromagnetic interference suppression

| | | |
|---------------|-------|--|
| QC 330000 | 2005 | Generic specification. |
| Corrigendum 1 | 2005 | |
| QC 330100 | 2005 | Sectional specification. Passive filter units for which safety tests are appropriate. |
| Corrigendum 1 | 2005 | |
| QC 330101 | print | Blank detail specification. Filters for which safety tests are required (assessment level D/DZ) 40/1466/FDIS, 2004, and 40/1487/RVD, 2004-10 |
| QC 330102 | print | Blank detail specification. Filters for which safety tests are required (safety tests only) 40/1467/FDIS, 2004, and 40/1488/RVD, 2004-10 |

37. Surge protective devices (see also 42)

| | | |
|--------|------|--|
| PQC 76 | 1988 | Generic specification. Surge protective devices. (JP) |
| PQC 77 | 1988 | Measuring and testing methods for surge protective devices. (JP) |
| PQC 78 | 1988 | Sectional specification. Surge protective gas discharge tubes. (JP) |
| PQC 79 | 1988 | Blank detail specification. Surge protective gas discharge tubes. (JP) |

39. Film resistor networks

| | | |
|-----------|------|-----------------------------|
| QC 390000 | 1991 | Generic specification. |
| QC 390100 | 1991 | Sectional specification. |
| QC 390101 | 1991 | Blank detail specification. |

Detail specifications

None

40. Resistors, fixed (see also 21)

Index to resistors pages

| | |
|---|-----------|
| Surface mounting | 45 |
| Low-power non-wirewound | 42 and 43 |
| Networks with individually measurable resistors | 44 and 45 |
| Networks in which not all resistors are individually measurable | 45 |
| Power | 43 and 44 |
| Precision | 44 |

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40. Resistors, fixed (see also 21)

| | | |
|------------------------------|------|---|
| QC 400000 | 2001 | Generic specification. |
| QC 400100 | 1982 | Sectional specification. Fixed low-power non-wirewound resistors. |
| QC 400101 | 1982 | Blank detail specification. Assessment level E. |
| <i>Detail specifications</i> | | |
| QC 400101 CN0001 | 1987 | Metal film resistors. Type RJ 14. |
| QC 400101 CN0002 | 1987 | Carbon film resistors. Type RT 14. |
| QC 400101 CN0003 | 1989 | Carbon film resistors. Type RT 13. |
| QC 400101 CN0004 | 1989 | Metal film resistors. Type RJ 15. |
| QC 400101 GB0002 | 1992 | Type R1, R2. |
| QC 400101 GB0003 | 1992 | Type LR 0204, LR1L, LR1, LR2. |
| QC 400101 JP0001 | 1983 | High stability film resistors. |
| QC 400101 JP0002 | 1983 | Carbon film resistors. |
| QC 400101 JP0003 | 1984 | Metal oxide film resistors. |
| QC 400101 JP0004 | 1986 | Metal film resistors. |
| QC 400101 SG0001 | 1991 | Carbon film ERD S1T, ERD S2T. |
| QC 400101 SU0005 | 1990 | Metal film a.c. and d.c. and pulse resistors type P1-4. |
| QC 400101 US0001 | 1986 | Insulated. Metal film. Stability class 0.5%. |
| QC 400101 US0002 | 1987 | Insulated. Standard film. |
| QC 400101 US0003 | 1987 | Insulated. Carbon film. |
| QC 400101 US0004 | 1987 | Surface mountable BA, CA. |
| QC 400102 | 1992 | Blank detail specification. Assessment level F. |

Detail specifications

None

| | | |
|------------------------------|------|--|
| QC 400200 | 1982 | Sectional specification. Fixed power resistors. |
| Amendment 1 | 1993 | |
| QC 400201 | 1983 | Blank detail specification. Assessment level E. |
| Amendment 1 | 1993 | |
| <i>Detail specifications</i> | | |
| QC 400201 GB0001 | 1984 | Wirewound resistors. Non-insulated. Typical construction: Vitreous enamel or resin protection. Stability class 5%. |
| QC 400201 US0001 | 1986 | Axial leads. Wirewound, with vitreous enamel coating. Insulated. Stability class 5%. |
| QC 400201 US0002 | 1986 | Wirewound resistors. Insulated. Stability class 0.5%. |
| QC 400201 US0003 | 1986 | Wirewound resistors. Insulated. Stability class 5%. |
| QC 400201 US0004 | 1986 | Wirewound resistors. Wirewound insulated heat sink resistors with rigid termination. |
| QC 400201 US0005 | 1993 | Surface mountable, metal film, CA, CB, DA, EA. |
| QC 400201 XX0001 | 1995 | Wirewound, with solderable axial wire leads. Stability class 5%. |
| QC 400201 XX0002 | 1995 | Wirewound, with solderable axial wire leads. Stability class 1%. |
| QC 400202 | 1992 | Blank detail specification. Assessment level F. |
| <i>Detail specifications</i> | | |
| None | | |
| QC 400203 | 1993 | Blank detail specification. Fixed power resistors, heat sink types. Assessment level H. |
| <i>Detail specifications</i> | | |
| None | | |
| QC 400300 | 1982 | Sectional specification. Fixed precision resistors. |
| QC 400301 | 1983 | Blank detail specification. Assessment level E. |
| QC400301 XX0001 | 1995 | Wirewound, with solderable axial wire leads. Stability class 0,1%. |
| <i>Detail specifications</i> | | |
| None | | |
| QC 400302 | 1992 | Blank detail specification. Assessment level F. |
| <i>Detail specifications</i> | | |
| None | | |

| | | |
|-------------|------|---|
| QC 400400 | 1983 | Sectional specification. Fixed resistor networks with individually measurable resistors. |
| Amendment 1 | 1987 | |
| QC 400401 | 1983 | Blank detail specification. Fixed resistor networks with individually measurable resistors, all of equal value and equal dissipation. Assessment level E. |

Detail specifications

| | | |
|---------------------|----------------------|---|
| QC 400401 JP0001 | 1984 | Single-in-line with connected resistors. |
| QC 400401 JP0002 | 1984 | Single-in-line with isolated resistors. |
| QC 400401 US0001 | 1984 Amended 1985 | Single-in-line with all resistors connected. Typical construction: Thick film circuit. N = 4 to 12. Stability class 1%. |
| QC 400401 US0002 | 1984 Amended 1985 | Single-in-line with isolated resistors. Typical construction: Thick film circuit. N = 4 to 12. Stability class 1%. |
| QC 400401 US0003 | 1984 Amended 1985 | Dual-in-line with all resistors connected. Typical construction: Thick film circuit. N = 14 or 16. Stability class 1%. |
| QC 400401 US0004 | 1984 Amended 1985 | Dual-in-line with isolated resistors. Typical construction: Thick film circuit. N = 14 or 16. Stability class 1%. |
| QC 400401 XX0001 | 1992 | Class 1 (dual-in-line network). |
| QC 400401 XX0002 | 1992 | Class 1 (single-in-line network). |
| QC 400402 | 1983 | Blank detail specification. |

Detail specifications

None

| | | |
|-----------|------|--|
| QC 400500 | 1984 | Sectional specification. Fixed resistor networks in which not all resistors are individually measurable. |
| QC 400501 | 1984 | Blank detail specification. |

Detail specifications

None

| | | |
|-------------|------|--|
| QC 400600 | 1989 | Sectional specification. Fixed chip resistors. |
| Amendment 1 | 2000 | |
| QC 400601 | 1989 | Blank detail specification. |

Detail specifications

| | | |
|---------------------|------|----------------|
| QC 400601 JP0001 | 1988 | |
| QC 400601 US0001 | 1999 | Style RR 0603. |

| | | |
|---------------------|------|--|
| QC 400601 US0002 | 1999 | Style RR 0805. |
| QC 400601 US0003 | 1999 | Style RR 1206. |
| CECC 40400 | 1989 | Sectional specification. Fixed chip resistors |
| CECC 40401 | 1989 | Blank detail specification |
| CECC 40401-004 | 1992 | Styles RR 0603, 0805, 1206 (German only) |
| QC 400700 | 2003 | Sectional specification. Surface mount resistor networks with individually measurable resistors. |
| QC 4007001 | 2003 | Blank detail specification. Assessment level EZ. |

41. Potentiometers

| | | |
|------------------------------|------|--|
| QC 410000 | 1989 | Generic specification. |
| Amendment 1 | 1992 | |
| QC 410100 | 1989 | Sectional specification. Lead-screw actuated and rotary preset potentiometers. |
| QC 410101 | 1989 | Blank detail specification. Assessment level E. |
| <i>Detail specifications</i> | | |
| QC 410101 XX0001 | 1994 | Stability class 5%. |
| QC 410102 | 1992 | Blank detail specification. Assessment level F. |
| QC 410200 | 1992 | Sectional specification. Single-turn rotary power potentiometers. |
| QC 410203 | 1992 | Blank detail specification. Assessment level E. |
| QC 410204 | 1992 | Blank detail specification. Assessment level F. |
| QC 410300 | 1992 | Sectional specification. Single-turn wirewound and non-wirewound potentiometers. |
| QC 410301 | 1992 | Blank detail specification. Assessment level E. |
| QC 410302 | 1992 | Blank detail specification. Assessment level F. |
| QC 410400 | 1992 | Sectional specification. Rotary precision potentiometers. |
| QC 410402 | 1992 | Blank detail specification. Assessment level E. |
| QC 410500 | 2003 | Sectional specification. Surface mount preset potentiometers |
| QC 410501 | 2003 | Blank detail specification. Assessment level E. |

42. Varistors (see also 37)

| | | |
|-----------|------|---|
| QC 420000 | 1991 | Generic specification. Varistors for use in electronic equipment. |
|-----------|------|---|

| | | |
|-----------|------|--|
| QC 420100 | 1991 | Sectional specification. Surge suppression varistors. |
| QC 420101 | 1991 | Blank detail specification. Silicon carbide surge suppression varistors. Assessment level E. |

Detail specifications

None

| | | |
|-----------|------|---|
| QC 420102 | 1991 | Blank detail specification. Zinc oxide surge suppression varistors. Assessment level E. |
|-----------|------|---|

Detail specifications

| | | |
|---------------------|------|--|
| QC 420102 AT0001 | 2004 | S05, S07, S10, S14, S20. Q14, Q20. |
| QC 420102 US0001 | 1999 | JVR-5, -7, -10, -14, -20. |
| CECC 42000 | 1978 | Generic specification |
| CECC 42200 | 1986 | Sectional specification |
| CECC 42201 | 1986 | Blank detail specification |
| CECC 42201-006 | 2004 | Series D, E, LA/LZ, S, SC |
| QC 42201-C001 | 2005 | Component Specification for thermally protected varistors, series TMOV and /TMOV, (GB). |
| QC 42201-A001 | 2005 | Assessment Specification for thermally protected varistors, series TMOV and /TMOV, (GB). |

43. Thermistors, directly heated, negative temperature coefficient

| | | |
|-----------|------|---|
| QC 430000 | 2002 | Generic specification. |
| QC 430100 | 2003 | Sectional specification – surface mount negative temperature coefficient thermistors. |

44. Thermistors, directly heated, positive step function temperature coefficient

| | | |
|-----------|------|---|
| QC 440000 | 2006 | Generic specification. |
| QC 440001 | 1982 | Current limiting application - Assessment level EZ. |

Detail specifications

| | | |
|---------------------|------|--|
| QC 440001 AT0001 | 2005 | Disc with terminations. |
| QC 440001 JP0001 | 1986 | Disk type, radial lead, resin coated. |
| QC 440001 JP0002 | 1986 | Disk type, spring terminal lead, plastic case. |
| QC 440001 JP0003 | 1991 | PTC-S451A102 |
| QC 440001 JP0004 | 1993 | PTC-S451A102 |

| | | |
|-----------|------|--|
| QC 440002 | 1998 | Heating element application - Assessment level EZ. |
| QC 440003 | 1998 | Inrush current application - Assessment level EZ. |

Detail specifications

| | | |
|---------------------|------|-------------------------|
| QC 440003 AT0001 | 2005 | Disc with terminations. |
| QC 440003 FR0001 | 2003 | DGC2R, 3R, 3D. |
| QC 440004 | 1998 | Sensing application. |

45. Thermistors, polymeric, directly heated, positive step function temperature coefficient

| | | |
|-----------|------|---|
| QC 450000 | 2005 | Generic specification. |
| QC 450001 | 2005 | Blank detail specification. Current limiting application. |

46. Cables for digital communication (see also 15)

| | | |
|-----------|------|---|
| QC 460000 | 2001 | Generic specification. Multicore and symmetrical pair/quad cables. Capability Approval. |
| QC 460100 | 2001 | Sectional specification. Horizontal floor wiring. |
| QC 460200 | 2001 | Work area wiring. |
| QC 460300 | 2001 | Riser cables. |
| QC 460400 | 2002 | Horizontal floor wiring (to 600 MHz). |
| QC 460500 | 2002 | Work area wiring (to 600 MHz). |
| QC 460600 | 2003 | Symmetrical pair cables (to 1 200 MHz). |

48. Connectors, for use in d.c. and low frequency analogue and in digital high speed data applications (see also 01 and 21)

| | | |
|---------------------|---------|--|
| QC 480000 | 1995 | Generic specification. |
| Amendment 1 | 1996 | |
| Amendment 2 | 2001 | |
| QC 480100 | 1998 | Sectional specification. Circular connectors. |
| QC 480101 | 2001 | Blank detail specification. |
| QC 480101 XX0003 | 2002 | Plugs and jacks for external low voltage power supply. |
| QC 480200 | 1999 | Rectangular connectors. |
| QC 480201 | 1999 | Blank detail specification. |
| QC 480201 DE0001 | awaited | Round contacts, rated currents up to 100A and rated voltages up to 1 000V. |