

A stylized graphic of a microchip or integrated circuit, represented by a grid of horizontal lines of varying lengths, with a vertical line on the left side. It is positioned to the left of the main title.

specifications list

QC 001004, updated June 2004



International Electrotechnical Commission
Quality Assessment System for Electronic Components

www.iecq-cecc.org

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SPECIFICATIONS LIST

The object of the IECQ-CECC

... 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-CECC are part of an overall structure based on IEC standards.

This issue lists

- the current administrative documents of the IECQ-CECC,
- the Register of Specifications of the former CECC (CECC merged with IECQ in April 2003),
- cross-references between IECQ-CECC specification numbers and IEC Publication numbers,
- provisional specification numbers and their related IECQ-CECC 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, radio frequency (including data cables) (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)
- 63 Filters, waveguide type dielectric resonators
- 33 Filter units, passive, for electromagnetic interference suppression
- 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
- 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
- 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).
- 11 Tubes, electronic
- 14 Radio frequency and coaxial cable assemblies
- 15 Cables, radio frequency (including data cables) (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
- 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)
- 63 Filters, waveguide type dielectric resonators
- 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 14) 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.

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:

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, Stresenmannellee 15,
D 60596 FRANKFURT AM MAIN
TP +49 69 63 08 332, TF +49 69 96 31 5218, E-mail dke.zbi@vde.com

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

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:
(Republic of) KTL, 222-13 Kuro-dong, Kuro-gu
SEOUL 152-848
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-CECC Secretariat (TF +41 22 919 03 00, e-mail rk@iec.ch).

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-CECC 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@iec.ch, 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-CECC specification (see QC 001002, clause 8).
PQC ...	Provisional specification (see QC 001002, clause 8).
print:	The IECQ-CECC 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-CECC 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-CECC 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-CECC administrative document is being voted on by the IECQ-CECC Management Committee under the Four Months' vote.
MDIS:	The draft IECQ-CECC 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-CECC

QC 001001 to QC 001006 are freely downloadable from the website www.iecq-cecc.org

IECQ-CECC 01	2003	IEC Quality Assessment System for Electronic Components (IECQ-CECC) – 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	Printing	New clause on regulations for components specifications and assessment specifications (IECQ-CECC MC/46/FWV, 2004-05 IECQ-CECC MC/49/RVD, 2004-06)
QC 001002-3	1998	Part 3, Approval procedures.
Amendment 1	2002	Concerns approval and accreditation of Supervising Inspectorates.
Amendment 2	Printing	Concerns frequency of surveillance (IECQ-CECC MC/47/FWV, 2004-05. IECQ-CECC MC/50/RVD, 2004-06) and requirements for the approval of an organization (IECQ-CECC MC/44/FWV, 2004-05. IECQ-CECC MC/48/RVD, 2004-06)
QC 001002-4	2003	Part 4, Avionics Assessment Program Requirements.
Amendment 1	2004	Concerns assessment team composition.
QC 001003	1998	Guidance Documents.
QC 001004	2004	Specifications List. Only on website www.iecq-cecc.org . Up-dated quarterly.
QC 001005	2004	Register of Firms, Products and Services Approved under the IECQ System, including ISO 9000. Only on website www.iecq-cecc.org . Up-dated quarterly.
QC 001006	2004	Register of Participating Countries. Only on website www.iecq-cecc.org .
IEC Guide 102	1996	Electronic components. Specification structures for qualification assessment (Qualification Approval and Capability Approval). Fourth edition.

Register of CECC Specifications

CECC 00 301 Edition 1/96	1996	Register of CECC Specifications and related detail specifications (ordering information, see page 6)
Up-date	30 June 2003	Up-date to CECC 00 301 concerning industrial detail specifications (of national, industrial or manufacturer's origin) (up-date available from IECQ-CECC Secretariat)

Register of CECC Approvals

CECC 00 200	2003	Register of Approvals. Only on website www.iecq-cecc.org
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IECQ-CECC website

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

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	
--	61215	
--	61646	
--	62239	
140000	60966-1	
140101XX000?	60966-2-5	(QC number not yet allocated)
140101XX000?	60966-2-6	(QC number not yet allocated)
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	60723-3-1	
250202		(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	(2 nd edition, with Amendments 1 and 2)
300401	60384-2-1	(printed number QC 300101 corrected by sticker)
300500	60384-6	(2 nd edition, with Amendment 1)
300501	60384-6-1	
300600	60384-8	(2 nd edition, with Amendments 1 and 2)
300601	60384-8-1	(with Amendments 1 and 2)
300700	60384-9	(2 nd edition, with Amendment 1)
300701	60384-9-1	
300800	60384-3	(2 nd edition)
300801	60384-3-1	(with Corrigendum)
300801XX0001	60384-3-101	(QC number omitted)
300900	60384-7	(2 nd edition)
300901	60384-7-1	
301000	60384-5	(2 nd edition)
301001	60384-5-1	
301200	60384-16	(with Amendments 1 and 2)
301201	60384-16-1	(with Amendment 1)
301300	60384-17	
301301	60384-17-1	
301700	60384-12	(2 nd edition) (printed number QC 300700 incorrect)
301701	60384-12-1	
301800	60384-13	(2 nd edition)
301801	60384-13-1	
301900	60384-10	(2 nd edition, with Amendments 1 and 2) (replaced by IEC 60384-21 and IEC 60384-22)
301901	60384-10-1	(with Amendment 1) (replaced by IEC 60384-21-1 and IEC 60384-22-1)

302000	60384-20	
302001	60384-20-1	
302200	60384-19	
302201	60384-19-1	
302300	60384-18	
302301	60384-18-1	
302302	60384-18-2	
302400	60384-14	(2 nd edition, with Amendment 1)
302401	60384-14-1	
330000	60939-1	
330100	60939-2	
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	
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	
430000	60539-1	
430100	60539-2	
440000	60738-1	(2 nd edition)
440001	60738-1-1	(2 nd edition)
440002	60738-1-2	
440003	60738-1-3	
440004	60738-1-4	
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	
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	
630000	61337-1	
640000	60368-1	(4 th edition)
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	
850000	61073-1	(3 rd edition)
850200	61073-3	(printed QC number corrected by sticker) (with Corrigendum)
860000	61274-1	
860001	61274-1-1	
880000	61314-1	
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	

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

920000
940000	61978-1
950000	62099-1
960000	61020-1
960100	61020-2
960101	61020-2-1
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

**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, radio frequency (including data cables)
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

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 61000 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.
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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..XX...
PQC 39 RU0019	2004	Colour picture tubes A33EKC..XX...
PQC 39 RU0020	2004	Colour picture tubes A48EKB..XX...
PQC 39 RU0021	2004	Colour picture tubes A51EKD..XX...
PQC 39 RU0022	2004	Colour picture tubes A51EKE..XX...
PQC 39 RU0023	2004	Colour picture tubes A51EKK01XX...
PQC 39 RU0024	2004	Colour picture tubes A51EKK11X...
PQC 39 RU0025	2003	Colour picture tubes A51EKS..X...
PQC 39 RU0026	2003	Colour picture tubes A51EKM..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, radio frequency (including data cables) (see also 46)

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.

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

Detail specifications

* ETHERNET is a trade mark of the Xerox Corporation

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.
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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	Printing	Ferrite cores (IEC TC 51) (51/765/DTS, 2004)
QC 210021	Printing	Monolithic microwave integrated circuits (IEC SC 47E/WG2). (47E/257/FDIS, 47E/262/RVD).
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.
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)
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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)*Index to capacitors pages*

Aluminium electrolytic	32 to 33
Aluminium electrolytic, surface mounting	40
Ceramic, Class 1	35 and 36
Ceramic, Class 2	36
Ceramic, surface mounting, multilayer	37
Electric double layer	40
Glass-ceramic	41
Mica, d.c.	36 and 38
Niobium	40 and 41
Polycarbonate film, d.c., metal foil	38
Polycarbonate film, d.c., metallized film	35
Polyphenylene sulfide film, d.c., surface mounting	40
Polyethylene-terephthalate film, d.c., metal foil	30
Polyethylene-terephthalate film, d.c., metallized film	34 and 35
Polyethylene-terephthalate dielectric, metallized electrodes, surface mounting	40
Polypropylene film, d.c., metal foil	38 and 39
Polypropylene film, d.c., metallized film	38
Polypropylene film, a.c., and pulse, metallized film	38
Polystyrene film, d.c., metal foil	37
Polystyrene film, metallized, d.c.	41
Suppression capacitors for connection to supply mains	40
Tantalum, electrolytic	30 to 32
Tantalum, surface mounting	36 and 37
Thin film dielectric, surface mounting	39 and 40

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.
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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	1982	Sectional specification. Fixed metallized polyethylene-terephthalate film dielectric d.c. capacitors.
Amendment 1	printing	
Amendment 2	1992	Amends 4.13, Charge and discharge.
QC 300401	1982	Blank detail specification.
Amendment 1	1987	
<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 KR0001	1991	
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
QC 300500	1987	Sectional specification. Fixed metallized polycarbonate film dielectric d.c. capacitors.
Amendment 1	1992	
QC 300501	1987	Blank detail specification.
<i>Detail specifications</i>		
None		
QC 300600	1988	Sectional specification: Fixed capacitors of ceramic dielectric, Class 1.
Amendment 1	1993	
Amendment 2	2000	
QC 300601	1988	Blank detail specification.
Amendment 1	1993	
Amendment 2	2000	
<i>Detail specifications</i>		
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	1988	Sectional specification. Fixed capacitors of ceramic dielectric, Class 2.
Amendment 1	2000	
QC 300701 <i>Detail specifications</i>	1988	Blank detail specification.
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.
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 300900	1991	Sectional specification. Fixed polystyrene film dielectric metal foil d.c. capacitors.
QC 300901	1991	Blank detail specification
<i>Detail specifications</i>		
None		
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	1982	Sectional specification. Fixed metallized polypropylene film dielectric d.c. capacitors.
Amendment 1	1987	
Amendment 2	1992	
QC 301201	1982	Blank detail specification.
Amendment 1	1987	
<i>Detail specifications</i>		
QC 301201 CN0001	1993	Type CBB 23
QC 301201 CN0002	1993	Type CBB 24
QC 301201 KR0001	1991	
QC 301300	1987	Sectional specification. Fixed metallized polypropylene film dielectric a.c. and pulse capacitors.
QC 301301	1987	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	1991	Sectional specification. Fixed polypropylene film dielectric metal foil d.c. capacitors.
QC 301801	1991	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	
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.
<i>Detail specifications</i>		

None

QC 302200 1993 Sectional specification. Fixed metallized polyethylene-terephthalate film dielectric chip d.c. capacitors.

QC 302201 1993 Blank detail specification.

Detail specifications

None

QC 302300 1993 Sectional specification. Aluminium electrolytic chip capacitors with solid and non-solid electrolyte.

Amendment 1 1998

QC 302301 1993 Blank detail specification. Solid electrolyte.

Amendment 1 1998

Detail specifications

None

QC 302302 1993 Blank detail specification. Non-solid electrolyte.

Amendment 1 print 40/954/FDIS, 1997-11. Voting report 40/1056/RVD, 1998-02.

QC 302302 1994 RV2 Series.
JP0001

QC 302002 1994 CV-BS Series
JP0002

QC 302400 1993 Sectional specification. Fixed capacitors for electromagnetic interference suppression and connection to the supply mains.

Amendment 1 1995

QC 302401 1993 Blank detail specification.

Detail specifications

None

PQC 1 1997 Sectional specification. Niobium capacitors with solid electrolyte. (RU)

PQC 2 1997 Blank detail specification. (RU)

Detail specifications

PQC 2 1998 K53-60
RU0001

PQC 4 1994 Sectional specification. Fixed capacitors of glass-ceramic dielectric, Class 1. (RU)

PQC 6 1994 Blank detail specification. (RU)

Detail specifications

None

PQC 5 1994 Sectional specification. Fixed capacitors of glass-ceramic dielectric, Class 2.

PQC 7 1994 Blank detail specification. (RU)

Detail specifications

None

PQC 103 1992 Sectional specification. Fixed metallized polystyrene film dielectric d.c. capacitors. (RU).

PQC 104 1992 Blank detail specification. (RU).

Detail specifications

None

31. Capacitors, electric double layer

QC 310000 Generic specification (40/1378/CD, 2003-12. 40/1468/CC, 2004-08)

QC 310100 Section specification. Power application (40/1379/CD, 2003-12)

QC 310101 Blank detail specification. Assessment level EZ (40/1380/CD, 2003-12)

33. Passive filter units for electromagnetic interference suppression

QC 330101 FDIS Blank detail specification. Filters for which safety tests are required (assessment level D/DZ) 40/1466/FDIS, 2004

QC 330102 FDIS Blank detail specification. Filters for which safety tests are required (safety tests only) 40/1467/FDIS, 2004

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)

Detail specifications

None

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

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.
<i>Detail specifications</i>		
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.
<i>Detail specifications</i>		
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.
<i>Detail specifications</i>		
None		
QC 400500	1984	Sectional specification. Fixed resistor networks in which not all resistors are individually measurable.
QC 400501	1984	Blank detail specification.
<i>Detail specifications</i>		
None		
QC 400600	1989	Sectional specification. Fixed chip resistors.
Amendment 1	2000	
QC 400601	1989	Blank detail specification.
<i>Detail specifications</i>		
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.
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.
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Detail specifications

QC 420102 AT0001	2004	S05, S07, S10, S14, S20. Q14, Q20.
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QC 420102 US0001	1999	JVR-5, -7, -10, -14, -20.
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43. Thermistors, directly heated, negative temperature coefficient

QC 430000	2002	Generic specification.
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QC 430100	2003	Sectional specification – surface mount negative temperature coefficient thermistors.
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44. Thermistors, directly heated, positive step function temperature coefficient

QC 440000	1988	Generic specification.
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QC 440001	1982	Current limiting application - Assessment level EZ.
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Detail specifications

QC 440001 JP0001	1986	Disk type, radial lead, resin coated.
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QC 440001 JP0002	1986	Disk type, spring terminal lead, plastic case.
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QC 440001 JP0003	1991	PTC-S451A102
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QC 440001 JP0004	1993	PTC-S451A102
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QC 440002	1998	Heating element application - Assessment level EZ.
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QC 440003	1998	Inrush current application - Assessment level EZ.
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Detail specifications

QC 440003 FR0001	2003	DGC2R, 3R, 3D.
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QC 440004	1998	Sensing application.
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46. Cables for digital communication (see also 15)

QC 460000	2001	Generic specification. Multicore and symmetrical pair/quad cables. Capability Approval.
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QC 460100	2001	Sectional specification. Horizontal floor wiring.
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QC 460200	2001	Work area wiring.
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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.
QC 480201 XX0001	1999	Shielded, trapezoidal shell, non-removable ribbon contacts, 1.27mm double row.
QC 480201 XX0002	1997	Shielded, trapezoidal shell, non-removable rectangular contacts, 1,27mm x 2,54mm centre-line.
QC 480201 XX0004	2003	Single row, non-removable ribbon cable contacts, 1,25mm pitch, for high speed serial data (HSSDC).
QC 480300	1995	Sectional specification. Printed board connectors.
QC 480301	1996	Blank detail specification.
<i>Detail Specifications</i>		
QC 480301 XX0001	1994	Two-part connector modules having a grid of 2,5 mm (0,098 in) for printed boards and backplanes.
QC 480301 XX0001	2001	Two-part connector modules having a grid of 2,5 mm, for printed boards and backplanes.
QC 480301 XX0002	print	Two-part connector modules having a basic grid of 2,0mm for printed boards and backplanes in accordance with IEC 60917.
QC 480301 XX0003	print	Two-part single-pole connectors, for multiple uses on plug-in units, with pre-centring, coding and early mating features, having a metric grid in accordance with IEC 60917.
QC 480301 XX0004	1999	Two-part connectors with shielding and a basic grid of 2,5mm.

QC 480301 XX0005	1999	Two-part modular connectors, basic grid of 2,0mm, with terminations on a multiple grid of 0,5mm.
QC 480301 XX0006	1995	9mm circular connector, 3 to 8 contacts.
QC 480301 XX0008	2001	Shielded two-part connectors, basic grid 2,0mm, fixed part solder and press-in, free part non-accessible insulation displacement and crimp. 48B/1066/FDIS, 2001-05.
QC 480301 XX0011	FDIS	Latched cable connector system, basic grid 2,0 mm including full shielding and latching function. 48B/1113/FDIS, 2001-11.
IEC/PAS 61076-3-110	2002	Connectors for electronic equipment. Part 3-110: Detail specificaiton for 8-way connectors for frequencies up to 600 MHz.
IEC/PAS 61076-4-108	2002	Connectors for electronic equipment. Part 4-108: Printed board connectors with assessed quality. Detail specificaiton for cable-to-board connectors, with a modular pitch of 25 mm and integrated shielding function, applicable for transverse packing density of 15 mm, having a basic grid of 2,5 mm in accordance with IEC 60917-1
IEC/PAS 61076-4-110	2001	Connectors for electronic equipment. Part 4-110: Printed board connectors with assessed quality. Detail specificaiton for latched cable connector system having a basic grid of 2,0 mm including full shielding and latching function.
IEC/PAS 61076-4-111	2002	Connectors for electronic equipment. Part 4-111: Printed board connectors with assessed quality. Detail specificaiton for two-part power connector modules, for printed boards and backplanes having early mating features, and having a basic grid of 2,5 mm in accordance with IEC 60917-1
IEC 61076-4-113	2002	Connectors for electronic equipment – Printed board connectors – Part 4-113: Detail specification for two-part connectors having 5 rows with a grid of 2,54 mm for printed boards and backplanes in bus applications.
QC 480400	2001	Sectional specification. In-line sockets.
QC 480600	2000	Cable outlet accessories.
CECC 75 100	1991	Sectional specification. Two-part and edge socket connectors for printed board application.
CECC 75 101-801	1993	Two part connectors, basic grid 2,54 mm (0,1in) with common mounting features.
CECC 75 200	1985	Sectional specification. Circular connectors.
CECC 75 201-011	1997	Framatome CLIPPER (FR)

63. Filters, waveguide type dielectric resonators

QC 63000	FDIS	Generic specification. 49/685/FDIS, 2004-07.
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64. Filters, piezoelectric

QC 640000	2000	Generic specification.
QC 640100	2000	Sectional specification. Capability Approval.
QC 640101	2000	Blank detail specification.

65. Filters, surface acoustic wave (SAW)

QC 166000	2003	Generic specification
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66. Filters, ceramic

QC 660000	1994	Generic specification. Piezoelectric ceramic filters for use in electronic equipment.
PQC 56	1985	Generic specification. Piezoelectric ceramic filters for use in electronic equipment. (JP).
QC 660100	1994	Sectional specification. Qualification approval.
QC 660101	1994	Blank detail specification. Assessment level E.
PQC 57	1985	Sectional specification. Piezoelectric ceramic filters for FM radios. (JP).
PQC 58	1985	Blank detail specification. Piezoelectric ceramic filters for use in FM radios. Assessment level E. (JP).

Detail specifications

PQC 58 JP0001	1987	MA5, MS2, MS3, MJ.
PQC 58 SG0001	1990	MA5, MS2, MS3, MJ.
PQC 59	1985	Sectional specification. Piezoelectric ceramic filters for AM radios. (JP).
PQC 60	1985	Blank detail specification. Piezoelectric ceramic filters for use in AM radios. Assessment level E. (JP).

Detail specifications

PQC 60 JP0001	1987	B, HL, JL.
PQC 60 SG0001	1990	B, HL, JL.
PQC 61	1985	Sectional specification. Piezoelectric ceramic filters for sound IF circuit of TV. (JP).
PQC 62	1985	Blank detail specification. Piezoelectric ceramic filters for sound IF circuit of TV. Assessment level E. (JP).

Detail specifications

PQC 62 JP0001	1987	4,5 MHz, 5,5 MHz, 6,0 MHz, 6,5 MHz.
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PQC 62 JP0002	1993	4,5 MHz
PQC 63	1985	Sectional specification. Piezoelectric ceramic filters for communication equipment (JP).
PQC 64	1985	Blank detail specification. Piezoelectric ceramic filters for use in communication equipment. Assessment level E. (JP)

Detail specifications

PQC 64 JP0001	1987	B, C, D, E, F, G, HT, IT.
PQC 64 JP0002	1991	B, C, D, E, F, G, HT, IT.

67. Resonators, ceramic

PQC 65	1985	Generic specification. Piezoelectric ceramic resonators for use in electronic equipment. (JP).
QC 670000	1993	Generic specification. Piezoelectric ceramic resonators (qualification approval).
PQC 66	1985	Sectional specification. Piezoelectric ceramic resonators for low frequency (LF). (JP).
QC 670100	1993	Sectional specification. Piezoelectric ceramic resonators (qualification approval).
QC 670101	1993	Blank detail specification. Piezoelectric ceramic resonators (qualification approval). Assessment level E.
PQC 67	1985	Blank detail specification. Piezoelectric ceramic resonators for low frequency (LF). Assessment level E. (JP).

Detail specifications

PQC 67 JP0001	1987	For use with MOS IC.
PQC 67 SG0001	1990	For use with MOS IC.
PQC 68	1985	Sectional specification. Piezoelectric ceramic resonators for high frequency (HF). (JP).
PQC 69	1985	Blank detail specification. Piezoelectric ceramic resonators for high frequency (HF). Assessment level E. (JP).

Detail specifications

PQC 69 JP0001	1987	For use with MOS IC.
PQC 69 JP0002	1990	MF2B, MF2A, MF24, MF3B, MF3A, MF34.

68. Quartz crystal units

QC 680000	2002	Generic specification.
QC 680100	1993	Sectional specification. Capability Approval.
QC 680101	1993	Blank detail specification.
QC 680200	1993	Sectional specification. Qualification Approval.
QC 680201	1993	Blank detail specification.

69. Quartz crystal controlled oscillators

QC 690000	1997	Generic specification.
Amendment 2	2003	
QC 690100	1997	Sectional specification. Capability Approval.
QC 690101	1998	Blank detail specification.
QC 690200	1998	Sectional specification. Qualification approval.
QC 690201	1998	Blank detail specification.

72. Liquid crystal and solid-state display devices

QC 720000	2003	Generic specification.
Amendment 1	2003	
QC 720100	1991	Sectional specification. Optoelectronic devices.
PQC 105	1992	Blank detail specification. Light emitting diodes, light emitting diode arrays. (RU)
QC 720101	1995	Blank detail specification. Light emitting/infrared emitting diodes with/without pigtail for fibre optic systems and sub-systems.
QC 720102	1995	Blank detail specification. Laser diode modules with pigtail for fibre optic systems or sub-systems.
QC 720103	1998	Blank detail specification. Light emitting diodes. Display application.
QC 720104	1997	Blank detail specification. Pin-FET modules with/without pigtail.
QC 720105	1997	Blank detail specification. Pin-photodiodes with/without pigtail.
QC 720106	1997	Blank detail specification. Avalanche photodiodes with/without pigtail.
QC 720200	1998	Sectional specification. LCD cells.
QC 720201	print	Blank detail specification 47C/197/FDIS, 1997-11. Voting report 47C/204/RVD, 1998-01.
QC 720300	1998	Sectional specification. LCD modules.

QC 720301	1998	Blank detail specification. Passive matrix monochrome LCD modules.
QC 720302	FDIS	Blank detail specification. Matrix colour LCD modules. 110/27/FDIS, 2004-07.
PQC 8	1996	Blank detail specification. Photocoupler with phototransistor output (US).
PQC 8 US0001	1996	LTVN-4N35
PQC 8 US0002	1996	LTV-817
PQC 8 US0003	1996	LTV-702V

75. Discrete semiconductor devices

QC 700000	1991	Generic specification. Discrete devices and integrated circuits.
Amendment 3	1996	
QC 750100 ³	1985	Sectional specification. Discrete devices.
Amendment 1	1991	
Amendment 2	1996	
QC 750101 ⁴	1986	Blank detail specification. Signal diodes, switching diodes and controlled-avalanche diodes.
<i>Detail specifications</i>		
QC 750101 CN0001	1990	Silicon switching diode. Type 2CK120. Assessment level II.
QC 750101 GB0001	1990	Silicon ambient-rated high speed switching diode in plastic encapsulation. Assessment level II.
QC 750102	1989	Blank detail specification. Ambient-rated bipolar transistors for low and high-frequency amplification.
<i>Detail specifications</i>		
QC 750102 CN0001	1988	Bipolar transistor for ambient-rated high-frequency amplification. Type 3DG130. Assessment level II.
QC 750102 CN0002	1988	Bipolar transistor for ambient-rated, forward a.g.c., low-noise, high-frequency amplification. Type 3DG79. Assessment level II.
QC 750102 CN0003	1990	Bipolar transistor for ambient-rated high-frequency amplification. Type 3DG1815. Assessment level II.
QC 750103	1989	Blank detail specification. Case-rated bipolar transistors for low-frequency amplification.
QC 750101	1992	Case-rated bipolar transistors for low-frequency amplification.

³) Number printed on specification is incorrect (QC 750000)

⁴) Number printed on specification is incorrect (QC 750001)

CN0001		Type 3DD870.
QC 750104	1991	Blank detail specification. Bipolar switching transistors for switching applications.
<i>Detail specifications</i>		
QC 750104 CN0001	1989	Bipolar transistor for switching application. Type 3DK106. Assessment level II.
QC 750105 ⁵	1986	Blank detail specification. Voltage regulator diodes and voltage reference diodes, excluding temperature compensated precision reference diodes.
<i>Detail specifications</i>		
QC 750105 IN0001	1990	500mW silicon zener diodes in DO-35 glass package. Type BZX55 C2V7 to C47.
QC 750106	1993	Blank detail specification. Field-effect transistors for case-rated power amplifier applications.
QC 750107	1991	Blank detail specification. Case-rated bipolar transistors for high-frequency amplification.
QC 750108	1989	Blank detail specification. Rectifier diodes (including avalanche rectifier diodes), ambient and case-rated, up to 100 A.
<i>Detail specifications</i>		
QC 750108 CN0001	1991	Switching rectifier diodes. Types 2CZ201, 2CZ202, 2CZ203. Assessment level II.
QC 750108 CN0002	1991	Ambient-rated silicon rectifier diode. Type 2CZ321. Assessment level II.
QC 750108 CN0003	1991	Ambient-rated silicon rectifier diode. Type 2CZ322. Assessment level II.
QC 750108 CN0004	1991	Glass passivated high voltage rectifier stack. Types 2CL24, 2CL25, 2CL27, 2CL29. Assessment level II.
QC 750108 CN0005	1992	Ambient-rated silicon rectifier diode. Type 2CZ 308.
QC 750108 CN0006	1992	Ambient-rated silicon rectifier diode. Type 2CZ 312.
QC 750108 CN0007	1992	Ambient-rated silicon rectifier diode. Type 2CZ 313.
QC 750108 CN0008	1992	Ambient-rated silicon rectifier diode. Type 2CZ 317.
QC 750108 CN0009	1992	Ambient-rated silicon rectifier diode. Type 2CZ 318.
QC 750108 CN0010	1992	Ambient-rated silicon rectifier diode. Type 2CZ 305.

⁵) Number printed on specification is incorrect (QC 7560005)

QC 750109	1993	Blank detail specification. Rectifier diodes (including avalanche rectifier diodes), ambient and case-rated, for currents greater than 100 A.
QC 750110	1989	Blank detail specification. Reverse blocking triode thyristors, ambient and case-rated, up to 100 A.
QC 750111	1991	Blank detail specification. Bi-directional triode thyristors (triacs), ambient or case-rated, up to 100 A.
QC 750112	1987	Blank detail specification. Single-gate field-effect transistors, up to 5 W and 1 GHz.
QC 750113	1993	Blank detail specification. Reverse blocking triode thyristors, ambient and case-rated, for currents greater than 100A.
QC 750114	1995	Blank detail specification. Field-effect transistors, case-rated, for switching applications.
QC 750115	2000	Blank detail specification. Microwave field effect transistors.
QC 750116	2000	Blank detail specification. Integrated-circuit microwave amplifiers.

76. Integrated circuits, film and hybrid film (see also 21)

QC 760000 ⁶	1988	Generic specification. Film and hybrid film integrated circuits.
QC 760001	1994	Section 1: Requirements for internal visual examination.
Amendment 1	1995	
QC 760100	1997	Sectional specification. Qualification approval procedure.
QC 760101	1997	Blank detail specification.
QC 760200	1997	Sectional specification. Capability approval procedures.
QC 760201	1997	Blank detail specification.
QC 165000-1	2002	Generic specification. Hybrid integrated circuits and film structures. Manufacturing line certification
QC 165000-2	2002	Internal visual inspection and special tests.
QC 165000-3	2002	Manufacturers' self-audit checklist and report.
QC 165000-4	2002	Blank detail specification.
QC 165000-5	2003.	Procedure for Qualification Approval.

77. Fibre optic enclosures

QC 770000	2002	Generic specification.
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⁶) Number printed on specification is incorrect (QC 763000)

78. Fibre optic terminus sets

QC 780000	1994	Generic specification.
QC 780001	1994	Blank detail specification.

79. Integrated circuits (see also 07, 20 and 21)

STACK 0001	1999	General requirements for integrated circuits. Joint Company Standard. Issue 12.2 Notice 2.
QC 700000	1991	Generic specification. Discrete devices and integrated circuits.
Amendment 3	1996	
QC 790100	1990	Sectional specification. Semiconductor integrated circuits excluding hybrid circuits.
Amendment 1	1995	
Amendment 2	1999	
QC 790104	1992	Family specification. Complementary MOS digital integrated circuits, series 4000 B and 4000 UB.
QC 790131	1992	Blank detail specification. Complementary MOS digital integrated circuits (series 4000 B and 4000 UB).
QC 790105	1992	Blank detail specification. Integrated circuit fusible-link programmable bipolar read-only memories.
QC 790111	1993	Blank detail specification. Integrated circuit static read/write memories.

Detail specifications

QC 790111 US0001	1990	Integrated circuit static read/write memory. Type: 2048 x 8 bits SRAM
QC 790106	1994	Blank detail specification. MOS ultraviolet light erasable electrically programmable read-only memories.
QC 790107	1994	Blank detail specification. Integrated circuit dynamic read/write memories.
QC 790108	1999	Blank detail specification. Single supply integrated circuit electrically erasable and programmable read-only memory.
QC 790109	1992	Family specification. HCMOS digital integrated circuits, series 54/74 HC, 54/74 HCT, 54/74 HCU.
Amendment 1	1994	
QC 790121	2001	Blank detail specification. Programmable logic devices (PLDs).
QC 790130	1992	Blank detail specification. HCMOS digital integrated circuits (series 54/74 HC, 54/74 HCT, 54/74 HCU).

Detail specifications

None

QC 790110	1991	Blank detail specification. Microprocessor integrated circuits.
<i>Detail specifications</i>		
None		
QC 790132	1991	Blank detail specification. Bipolar monolithic digital integrated circuit gates (excluding uncommitted logic arrays).
<i>Detail specifications</i>		
QC 790132 SU0005	1990	Series K1102A.
QC 790202	1991	Blank detail specification. Monolithic integrated operational amplifiers.
<i>Detail specifications</i>		
None		
QC 790303	1997	Interface integrated circuits.
QC 790303	1993	Blank detail specification. Linear digital-to-analogue converters (DAC).
QC 790304	1993	Blank detail specification. Linear analogue-to-digital converters (ADC).
80. Fibre optic attenuators		
QC 800000	1999	Generic specification.
QC 800001	1994	Blank detail specification.
81. Fibre optic non-wavelength-selective branching devices		
QC 810000	2000	Generic specification.
82. Fibre optic spatial switches		
QC 820000	2001	Generic specification.
83. Fibre optic isolators		
QC 830000	2000	Generic specification.
84. Fibre optic filters		
QC 840000	2002	Generic specification.
85. Fibre optic mechanical splices and fusion splice protectors		
QC 850000	1999	Generic specification.
QC 850200	1993	Sectional specification. Fusion splices for optical fibres and cables.

86. Fibre optic adaptors

QC 860000	1994	Generic specification
QC 860001	1994	Blank detail specification.

88. Fibre optic fan-outs

QC 880000	1995	Generic specification.
QC 880001	1996	Blank detail specification. Environmental categories 1, 2, 3, 5 and 99).

89. Fibre optic sensors

QC 890000	1998	Generic specification
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91. Connectors, for optical fibres and cables (previously 21)

QC 910000	1999	Generic specification.
QC 910001 to QC 910006 and QC 910099	1994	Blank Detail Specification. Environmental categories.
QC 910003 XX0003	1997	Detail specification. Adaptor type BFOC/2,5 for single and multimode fibre.
QC 910004 XX0001	1997	Detail specification. Connector type SC-PC standard terminated to multimode fibre type A1a, A1b.
QC 910004 XX0002	1997	Detail specification. Connector type SC-PC tuned terminated to single-mode fibre type B1.
QC 910004 XX0006	1997	Detail specification. Connector type SC-APC 9° untuned terminated to single-mode fibre type B1.
QC 910004 XX0009	1999	Detail specification. Connector type SC-APC tuned 8° terminated on single-mode fibre type B1.
QC 910004 XX0010	1999	Detail specification. Pigtail or patch cord connector type SC-APC untuned 8° terminated on single-mode fibre type B1.
QC 910005 XX0001	1999	Detail specification. Patch cord connector type SC-PC (floating duplex) standard, terminated on multimode fibre type A1a, A1b.
QC 910005 XX0002	1999	Detail specification. Adaptor (duplex) type SC for single-mode fibre connectors.
QC 910005 XX0003	1999	Detail specification. Adaptor (duplex) type SC for multimode fibre connectors.
QC 910100	1989	Sectional specification ⁷ . Fibre optic connector type F-SMA.

Detail specifications

⁷) Includes blank detail specification.

QC 910101 US0001	1989	Fiber optic connector type F-SMA.
Amendment 1	1990	Amends page 3.
QC 911300	1995	Sectional specification. Type F-05 (friction lock).

92. Fibre optic circulators

QC 920000	FDIS	Generic specification. 86B/1443/FDIS, 2000-11.
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94. Fibre optic passive dispersion compensators

QC 940000	2000	Generic specification.
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95. Fibre optic wavelength switches

QC 950000	print	Generic specification. 86B/1454/FDIS, 2000-11. Voting report 86B/1504/RVD, 2001-01.
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96. Switches, electromechanical

QC 960000	1991	Generic specification.
QC 960100	1991	Sectional specification. Rotary switches.
QC 960101	1991	Blank detail specification.
<i>Detail specifications</i>		
QC960101 XX0001	1994	Central mounting, 12 positions, 17 mm diameter.
QC 960200	1991	Sectional specification. Lever (toggle) switches.
QC 960201	1991	Blank detail specification.
<i>Detail specifications</i>		
QC 960201 JP0001	1992	Toggle switches of assessed quality. 1 pole; 9,8 mm x 5,84 mm x 13,1 mm. 2 poles; 9,8 mm x 9,2 mm x 13,1 mm. 0,4 VA max. Typical construction: polyamide enclosure (housing). Metal lever. Gold plated contactors and terminals for printed circuit board.
Amendment 1	2000	
QC 960201 JP0002	1992	Toggle switches of assessed quality. 1 pole; 8,8 mm x 6,8 mm x 13,1 mm. 2 poles; 8,7 mm x 8,8 mm x 13,1 mm. 0,4 VA max. Typical construction: polyamide enclosure (housing). Metal lever. Gold plated contactors and terminals for printed circuit board. Antistatic construction (black part of enclosure).
QC 960201 JP0003	1992	Toggle switches of assessed quality. 1 pole; 9,8 mm x 5,38 mm x 9,1 mm. 2 poles; 9,8 mm x 9,2 mm x 9,1 mm. Typical construction: polyamide enclosure (housing). Plastic actuator. Gold plated contactors and terminals for printed circuit board. Antistatic construction (black part of enclosure).

QC 960201 JP0004	1992	Toggle switches of assessed quality. 2 poles, double throw. 4,5 mm x 7,0 mm x 7,0 mm. 0,4 VA max. Typical construction: polyamide enclosure (housing). Plastic lever. Gold plated contactors and terminals for printed circuit board.
QC 960201 XX0001	1995	1/2/4 pole, 277 V a.c, 30V d.c. 20A.
QC 960300	1991	Sectional specification. Sensitive switches.
QC 960301	1991	Blank detail specification.
<i>Detail specifications</i>		
QC 960301 XX0001	1994	One-pole, unsealed, subminiature, 250V 5A.
QC 960400	1991	Sectional specification. Push-button switches.
QC 960401	1991	Blank detail specification.
<i>Detail specifications</i>		
QC 960401 JP0001	1992	Push-button switches of assessed quality. 1 pole; 9,8 mm x 5,84 mm x 13,1 mm. 2 poles; 9,8 mm x 9,2 mm x 13,1 mm. 0,4 VA max. Typical construction: polyamide enclosure (housing). Plastic plunger. Gold plated contactors or terminals for printed circuit board.
QC 960401 JP0002	1992	Push-button switches of assessed quality. 1 pole; 8,8 mm x 6,8 mm x 13,1 mm. 2 poles; 8,8 mm x 8,8 mm x 13,1 mm. 0,4 VA max. Typical construction: polyamide enclosure (housing). Plastic plunger. Gold plated contactors and terminals for printed circuit board. Antistatic construction (black part of enclosure).
QC 960401 JP0003	1992	Push-button switches of assessed quality. 2 poles, double throw. 4,5 mm x 7,0 mm x 7,0 mm. 0,4 VA max. Typical construction: polyamide enclosure (housing). Plastic plunger. Gold plated contactors and terminals for printed circuit board.
QC 960500	1991	Sectional specification. In-line package switches.
QC 960501	1991	Blank detail specification.
QC 960501 XX0001	1995	Dual in-line package (DIL) raised and recessed rocker actuated.

97. Switches, keyboard

PQC 37	1984 extended	Generic specification (US).
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