



Certificate of Compliance

Certificate: 1895053

Master Contract: 160740 (LR 78160)

Project: 70213530

Date Issued: 2019-02-07

Issued to: Kycon, Inc.
305 Digital Dr.
Morgan Hill, California 95037
USA
Attention: Jill Scarnecchia

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Jaleh Pourkarimi*
Jaleh Pourkarimi

PRODUCTS

CLASS 6233 01 - RECEPTACLES-Attachment Plug Type and Plugs

CLASS 6233 81 - RECEPTACLES-Attachment Plug Type and Plugs - Certified to US Standards

Special-use Input/ Output Data connectors, as tabled below.

Model	Description	Rating
37FX	Miniature Ribbon Connector with ferrite Vertical PCB Mount	1A 30V ac
37FX	Miniature Ribbon Connector with ferrite, Right Angle PCB Mount	1A 30 V ac
37ROX	Miniature Ribbon Connector with ferrite, Right Angle PCB Mount, Reverse BL orientation	1A 30V ac
37X	Miniature Ribbon Connector, Vertical PCB Mount	1A 30V ac
37X	Miniature Ribbon Connector, Right Angle PCB Mount	1A 30V ac
37XHT	Miniature Ribbon Connector, hi temp	1A 30V ac
56F	D-sub, Right Angle PCB Mount, .318" Footprint w/ Ferrite	2A 30 V ac
56XHT	D-sub, Right Angle PCB Mount, .318" Footprint w/ Ferrite, High Temp	2A 30 V ac
56X	D-sub, Right Angle PCB Mount, .318" Footprint w/ Ferrite	2A 30 V ac
K11X	D-sub, 0.2" Footprint, B/L,	2A 30 V ac
K11XHT	D-sub, 0.2" Footprint, High Temp, B/L,	2A 30 V ac



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K202XHT	D-sub, Right Angle Surface Mount	2A 30 V ac
K202XHT-E15	D-sub, Right Angle Surface Mount High Density	2A 30 V ac
K20XHT	D-sub, Right Angle Surface Mount	2A 30 V ac
K20XHT-E15	D-sub, Right Angle Surface Mount High Density	2A 30 V ac
K21XHT	D-sub, Right Angle Ultra Compact Footprint, High Temp, GR BR,	2A 30 V ac
K22KXX	D-sub, Right Angle Ultra Compact Footprint, High Temp, short BL	2A 30 V ac
K22SPX	D-sub, Right Angle PCB Mount.318" Footprint	2A 30 V ac
K22X	D-sub, Right Angle PCB Mount.318" Footprint,	2A 30 V ac
K22XHT	D-sub, Right Angle PCB Mount .318" Footprint, High Temp,	2A 30 V ac
K22XMT	D-sub, Right Angle PCB Mount.318" Footprint, Matte tin	2A 30 V ac
K31X	D-sub, Right Angle PCB Mount Ultra Compact Footprint,	2A 30 V ac
K31XHT	D-sub, Right Angle PCB Mount Ultra Compact Footprint, High Temp,	2A 30 V ac
K31XHTMT	D-sub, Right Angle PCB Mount Ultra Compact Footprint, High Temp, Matte Tin	2A 30 V ac
K31XMT	D-sub, Right Angle PCB Mount Ultra Compact Footprint, Matte Tin	2A 30 V ac
K421X	D-sub, Multi Port	2A 30 V ac
K42KXX	D-sub, Multi Port	1.2A 30 V ac
K42X	D-sub, Multi Port	1.2A 30 V ac
K42XHT	D-sub, Multi Port High Temp,	1.2A 30 V ac
K42XMT	D-sub, Multi Port Matte Tin	1.2A 30 V ac
K44X	D-sub, Right Angle PCB mount.590" Footprint,	2A 30 V ac
K44XHT	D-sub, Right Angle PCB Mount.590" Footprint, High Temp,	2A 30 V ac
K44XMT	D-sub, Right Angle PCB mount.590" Footprint, Matte Tin	2A 30 V ac
K61X	D-sub, Right Angle PCB Mount Compact Footprint, High Density,	2A 30 V ac
K61XHT	D-sub, Right Angle PCB Mount Compact Footprint, High Density, High Temp	2A 30 V ac
K66X	D-sub, Right Angle, PCB Mount High Density,	1.5A, 29 V ac
K66XHT	D-sub, Right Angle, PCB Mount High Density , High Temp,	1.5A, 29 V ac
K77X	SCSI, Single and Dual,	2A 30 V ac
K808X	D-sub, Vertical, High Density,	2A 30 V ac
K83X	D-sub, Vertical, High Density, stamped & formed contacts,	2A 30 V ac
K853X	D-sub, Vertical, w/o shell, machined contacts,	2A 30 V ac
K85R1X	D-sub, Right Angle,.283" Footprint, Open Body,	2A 30 V ac
K85R1XMT	D-sub, Right Angle,.283" Footprint, Open Body, Matte Tin	2A 30V ac
K85RTELX	D-sub, Vertical PCB Mount, upside down shell	2A 30 V ac
K85RTELXMT	D-sub, Vertical PCB Mount, upside down shell, Matte Tin	2A 30 V ac
K85X	D-sub, Vertical PCB Mount, Soldercup,	2A 30 V ac
K85XHT	D-sub, Vertical PCB Mount, High Temp, Soldercup,	2A 30V ac
K85XMT	D-sub, Vertical PCB Mount, Soldercup, Matte Tin	2A 30 V ac
K86X	D-sub, Vertical PCB Mount, High Density, Soldercup,	1.5A, 30 V ac
K86XHT	D-sub, Vertical PCB Mount, High Density, Soldercup, High Temp,	1.5A, 30 V ac



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K86XMT	D-sub, Vertical PCB Mount, High Density, Soldercup, Matte Tin	1.5A, 30 V ac
K88X	D-sub, Vertical PCB Mount, High Profile,	2A 30 V ac
K96X	D-sub, Vertical High Profile,	2A 30 V ac
K99X	IDC Termination D-Sub,	1A, 30 V ac
KCDLXHT-5S-S4	Circular Din, Low Profile, High Temp,	5A DC, 24V DC
KCDMX	Circular Din, Molded Tape	2A DC, 24V DC
KCDX-xS-N OR N2	Circular Din, Right Angle PCB Mount, Non-Shielded,	2A DC, 24V DC
KCDX-xS-S OR S2	Circular Din, Right Angle PCB Mount, Shielded,	2A DC, 24V DC
KCDXHHT-xC-S OR S2	Circular Din, Right Angle PCB Mount, Shielded, High Temp	2A DC, 24V DC
KCDXHHT-xS-N OR N2	Circular Din, Right Angle, High Temp, Non-Shielded,	2A DC, 24V DC
KCDXHHT-xS-S-PS	Circular Din, Right Angle, High Temp Shielded,	2A DC, 24V DC
KCDXHHT-xS or S2-PS	Circular Din, Right Angle, High Temp Shielded,	2A DC, 24V DC
KF22X	D-sub, Right Angle PCB Mount, .318" Footprint w/ Ferrite,	2A 30 V ac
KF22XHT	D-sub, Right Angle PCB Mount, .318" Footprint w/ Ferrite, High Temp	2A 30 V ac
KF42X	D-sub, Multi port, High Temp w/ Ferrite,	1.2A 30 V ac
KF42X-E15S	D-sub, Multi port, High Density w/ Ferrite,	1.2A 30 V ac
KF44X	D-sub, Right Angle PCB Mount, .590" Footprint w/ Ferrite,	2A 30 V ac
KF66X	D-sub, Right Angle PCB Mount, High density w/ Ferrite,	1.5A, 29 V ac
KF66XHT	D-sub, Right Angle PCB Mount, High density w/ Ferrite, High Temp,	1.5A, 29 V ac
KF85X	D-sub, Vertical PCB Mount, Soldercup w/ Ferrite,	2A 30 V ac
KF86X	D-sub, Vertical PCB Mount, High Density, Soldercup w/ Ferrite,	1.5A, 30 V ac
KF88X	D-sub, Vertical PCB Mount, High Profile w/ Ferrite,	2A 30 V ac
KF96X	D-sub, Vertical PCB Mount, High Profile w/ Ferrite, Machined	2A 30 V ac
KFO42X	Optic Audio Connector Receiver/Transmitter Over 4 contact Mini-din,	2A DC, 12V DC
KFWSX-SMT	IEEE 1394 Socket, Surface Mount ,	1A, 30 V ac
KHDSX	Edge Card Connector,	1A DC, 42V DC
KLDHCX	Power Jack, High Current	5A DC, 24V DC
KLDPX-0207	Power Jack, Panel Mount	3.5A DC, 48V DC
KLDVHCX	Power Jack, Vertical, High Current	5A DC, 24V DC
KLDVX-SMT	Power Jack, vertical, Surface Mount	3.5A DC, 16V DC
KLDX-0201	Power Jack, 1.0mm pin diameter	2.5A DC, 24V DC
KLDX-0202	Power Jack, 2.0 and 2.5mm pin diameter,	5 A DC, 24V DC
KLDX-SMT-0202	Power Jack, SMT, 2.0 and 2.5mm pin diameter,	3.5A DC, 24V DC
KLDX-SMT2-0202	Power Jack, SMT, 2.0 and 2.5mm pin diameter	3.5A DC, 24V DC
KLDX-SMT-0201L	Power Jack- SMT, 1.0mm pin diameter	2.5A DC, 24V DC



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KLDVX	Power jack ,Vertical	3.5A DC,24V DC
KLDVX-SMT02	Power Jack, SMT, Vertical	3.5A DC, 16V DC
KLP42X	Stacked RCA Jack	0.3A DC, 16V DC
KMAX	Mini USB A-type receptacle	1A DC, 30V DC
KMAX-SMT	Mini USB A-type receptacle, SMT, White Insulator,	1A DC, 30V DC
KMABX-SMT	Mini USB AB-type receptacle, SMT, Grey Insulator,	1A DC, 30V DC
KMBVX	Mini USB Vertical	1A DC, 30V DC
KMBX	Mini USB B-type receptacle	1A DC, 30V DC
KMBEX	Mini USB B-type receptacle	1A DC, 30V DC
KMBVEX	Mini USB B-type receptacle, vertical	1A DC, 30V DC
KMDGX	Mini-Din	2A DC, 12V DC
KMDGXHT	Mini-Din, High Temp	2A DC, 12V DC
KMDLAX-xP	Mini-Din, Snap and Lock Plug,	2A DC, 12V DC
KMDLX	Mini-Din, Snap and Lock	2A DC, 12V DC
KMDMX	Mini-Din Plug, Molded,	2A DC, 12V DC
KMDPLX	Mini-Din, Panel Mount, Snap and Lock,	2A DC, 12V DC
KMDPX P	Mini-Din, Panel Mount, Plastic Socket,	2A DC, 12V DC
KMDPX M	Mini-Din, Panel Mount, Metal Socket,	2A DC, 12V DC
KMDRLX	Mini-Din, Snap and Lock	2A DC, 12V DC
KMDRX	Mini-Din, Right Angle, Low Profile, Rounded Top, Full Shield,	2A DC, 12V DC
KMDTX-HT	Mini-Din, Right Angle,, Full Shield, High Temp	1A DC, 18V DC
KMDTX-SMT	Mini-Din, Right Angle, Surface Mount, Full Shield,	1A DC, 18V DC
KMDVLX	Mini-Din, Vertical, Snap and Lock Socket,	2A DC, 12V DC
KMDVLXHT	Mini-Din, Vertical, Snap and Lock Socket, High Temp	2A DC, 12V DC
KMDX-xS-N	Mini-Din, Right Angle, Non-Shielded,	5A DC, 12V DC
KMDX-xS-S	Mini-Din, Right Angle, Shielded,	5A DC, 12V DC
KMDX-xS-BS	Mini-Din, Right Angle, Side & Back Shield,	5A DC, 12V DC
KMDX-xS-FS	Mini-Din, Right Angle, Full Shield,	5A DC, 12V DC
KMFSX-PR	Mini IEEE 1394 Socket, Through Hole, Right Angle,	1A DC, 42V DC
KMFSX-SMT	Mini IEEE 1394 Socket, Surface Mount, Low Profile,	1A DC, 42V DC
KMMLX	Micro USB Midmount	1A DC, 30V DC
KMMX	Micro USB	1A DC, 30V DC
KPJX	Power Jack,	7.5A DC, 48V DC
KPJXHT	Power Jack, High Temp,	7.5A DC, 48V DC
KQLX-xS-N	Quick Lock Circ PCB female, No Shield,	2.5A DC, 24V DC
KQLX-xS-S	Quick Lock Circ PCB Female, Shielded,	2.5A DC, 24V DC
KSATAX-V-SMT	Right Angle SAT	1.5A DC, 30V DC
KSOJX N	SOJ Socket, SMT .3 Wide Non-Polarized,	1A DC, 42V DC
KSOJX P	SOJ Socket, SMT .3 Wide Polarized,	1A DC, 42V DC
KUSBCX	USB Receptacle	1A DC, 30V DC
KUSBEX	USB Receptacle,	1.5A DC, 30V DC



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KUSBEX-SMT	USB Surface mount	1A DC, 30V DC
KUSBEX-SMT2	USB Receptacle Surface mount	1A DC, 30V DC
KUSBLPX	USB Type A Receptacle, Single, Low Profile,	1A DC, 30V DC
KUSBLPX-SMT	USB Type A Receptacle, Single, Low Profile, Surface Mount,	1.5 DC, 30V DC
KUSBTX	USB Receptacle	1A DC, 30V DC
KUSBTX-BS	USB Type B Receptacle w/tab,	1A DC, 30V DC
KUSBVEX	USB Receptacle, Vertical	1A DC, 30V DC
KUSBVX	USB Receptacle, Vertical	1A DC, 30V DC
KUSBX	USB	1A DC, 30V DC
KUSBX-SMT	USB Receptacle, Surface Mount	1A DC, 30V DC
KUSBX-SMT2	USB Receptacle, Surface Mount	1A DC, 30V DC
KUSBXHT	USB Receptacle, High Temp	1A DC, 30V DC
KUSBXMT	USB Receptacle, Matte Tin	1A DC, 30V DC
KUSBXHT-SL1AS1	USB Type A Receptacle, High Temp, Slim, Upright,	1A DC, 30V DC
KUSBXSMT2BS	USB Type A Receptacle, Surface Mount, 2mm Pins,	1A DC, 30V DC
KVI42X	Stacked Digital/Analog Visual Interface Receptacle, Black,	1.5A DC, 40 V ac
KVIX	Digital/Analog Visual Interface Receptacle, Black,	1.5A DC, 40V DC
KUSBX-BP	USB Type B Plug	1A DC, 30V DC
MDCX	Mini Din Jack R/A PCB Full Shield Ground Tab w/Front Spring,	2A DC, 12V DC
MP	Mod Plug,	1.5A DC, 30V DC
MPS	Mod Plug Shield,	1.5A DC, 30V DC
PX	Leadless Chip Carrier, PBT,	1A DC, 12 V ac
PX -1	Leadless Chip Carrier PPS,	1A DC, 42V DC
KMBX	USB mini type	1A DC, 30V DC
SMPX	PLCC Socket, Surface Mount,	1A DC, 42V DC
STPX	Stereo Jack Panel Mount,	1A DC, 42V DC
STX	Stereo Jack	0.3A, 16 V dc

Notes:

1. Supplied only to manufacturer's, as components, for the assembly of Certified electrical equipment, where the suitability of the combination in the end use is determined by CSA Group.
2. Each model series may be followed by any number of alphanumeric characters that represent shell size, number of contacts, hardware options, plating options, polarization code, plastic colour and/or packaging.
3. Special-use connectors are not for interrupting current.
4. Rating tabled above represents maximum current and voltage ratings; models/series may be marked with a lower current and voltage rating.

APPLICABLE REQUIREMENTS

- CSA C22.2 No. 182.3 16 (2nd Edition) - Special Use Attachment Plugs, Receptacles, and Connectors
- UL No. 1977 (Third Edition) - Component Connectors for Use in Data, Signal, Control and Power Applications



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70213530	2019-02-07	Update product ratings and to the latest CSA Std C22.2 No.182.3-16 and UL Std 1977 (3 rd Ed.).
2600395	2013-03-14	SMTC Compliance Review (February 14-15, 2013) and lower electrical rating marking.
2492225	2012-10-05	Additional of Catalogue Numbers and alternate housing material.
2404416	2011-03-23	March 10/11, 2011; SMTC Surveillance Audit and report update.
2249772	2009-12-23	Update to report 1895053 to include new UL 1977, 2nd Edition requirements; SMTC Surveillance Audit.
2177793	2009-08-11	Addition of Special-use Input/Output Data connector cat. nos. (see Attachment C, within this report, for added catalogue numbers).
1996635	2008-02-13	Revision to rating of special-use connectors (acceptance of Category Program Test Data).
1895053	2007-06-20	Update to LR 78160-11 to include new materials and report corrections. Supersedes report LR 78160-11.