



**INTERNATIONAL LASER
DISPLAY ASSOCIATION**

Technical Committee

Sources for the ILDA Standard Connector and Hardware

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Sources for the ILDA Standard Connector and Hardware

The following is a list of two quick, easy sources for the AMP 37-pin CPC (circular plastic connector). Both sources will ship internationally. AMP, the primary manufacturer of the connector, has several thousand distributors worldwide.

The AMP part numbers are contained in the tables below. This connector body, its mating body, connector pins and strain relief make up the “ILDA standard” 2-channel connector (ILDA 1 spec.). The proper connector is the “reverse sex” designation. A standard sex connector will not mate with reverse sex. The contacts (pins and sockets) are the same for both standard and reverse sex connectors.

For further details about selection and ordering of connector components see Notes below. The ILDA Standard Connector Specification also defines signals, polarity, voltage levels and basic format information. Additional information about use of the ILDA connector is available in the “ILDA Standard Connector Specification” document.

This document and the ILDA Standard Connector Specification (ILDA 1) are published by the ILDA Technical Committee and are available upon request.

Notes and Footnotes

1. In the Digi-key and Newark catalogs the proper connector is denoted as being part of “Series 1”.
 2. Contact “pins” are for use in “plug”; contact “sockets” are for use in “receptable”.
 3. Strain relief hoods are available to fit several diameters of cable.
 4. Contacts also available in tin/lead plating, but gold is recommended.
 5. Contacts available in solder type or crimp type.
 6. Contacts also available in other wire gauge sizes for crimp type.
 7. Crimp type contacts can easily be soldered, crimper is not necessary in emergency situations.
 8. Purchase of the contact extraction tool is strongly recommended.
- † This is same as the 206306-2 but with a flange for chassis mounting rather than free-hanging on a cable.
- ‡ The quality and effectiveness of this particular crimper is unknown.

Digi-key Corporation

Digi-key Corporation
 701 Brooks Ave South
 P.O. Box 677
 Thief River Falls, MN 56701-0677
 Order # 1-800-344-4539
 1-800-digi-key

Digi-key can ship same day, overnight with a credit card order.

Description	Digi-key Part #	AMP Part #	Approximate Price (U.S.\$)	Use
Rev-sex plug	A1359-ND	206305-1	\$2.64	Either end of ILDA cable
Rev-sex receptacle wire mount	A1365-ND	206306-2	\$2.93	Either end of ILDA device for wire mounting
Rev-sex receptacle square flange†	A1364-ND	206306-1	\$2.11	Either end of ILDA device for panel mounting
Plastic shell (strain relief hood)	A1334-ND	206138-1	\$2.32	Strain relief for cable
Contact pin, crimp, 20-24 AWG, gold	A1342-ND	66103-4	10 @ \$4.76 100 @ \$33.23	Wire mount “plug” end of cables
Contact socket, crimp, 20-24 AWG, gold	A1343-ND	66105-4	10 @ \$5.69 100 @ \$39.71	Wire or panel mount “plug”
Contact crimp tool‡	A9999-ND		\$34.61	Solderless cable assembly
Contact extraction tool	A1329-ND	305183-R	\$16.68	Fixing mistakes & solving problems

Newark Electronics

Newark Electronics
 500 N. Pulaski St.
 Chicago, IL 60624-1019
 312-784-5100

Los Angeles 213-516-6511
 Atlanta 404-448-1300
 Boston 617-547-7966
 Seattle 206-641-9800

There are Newark offices everywhere. Call for the one closest to you. Newark will ship overnight with a credit card order.

Description	Newark Part #	AMP Part #	Approximate Price (U.S.\$)	Use
Rev-sex plug	46F328	206305-1	\$3.04	Either end of ILDA cable
Rev-sex receptable wire mount	46F327	206306-2	\$3.36	Either end of ILDA device for wire mounting
Rev-sex receptacle square flange†	46F326	206306-1	\$2.42	Either end of ILDA device for panel mounting
Plastic shell (strain relief hood)	44F8397	206138-1	\$2.87	Strain relief for cable
Contact pin, crimp, 20-24 AWG, gold	96F7935	1-66103-7	100 @ \$34.24	Wire mount “plug” end of cables
Contact socket, crimp, 20-24 AWG, gold	96F7936	1-66105-8	100 @ \$40.97	Wire or panel mount “plug”
Contact crimp tool	44F8409	58495-1	\$168.00	Solderless cable assembly
Contact extraction tool	44F8408	305183-R	\$19.60	Fixing mistakes and solving problems

Newark changed some amp part numbers mid-1995. This chart reflects all changes as of October 1995.

