

Die Firma ASSMANN WSW components bietet unter der Produktbezeichnung 'MULTIFLEX' eine breite Produktpalette von Schneidklemmsteckverbindern, die entsprechend der DIN 41651 hergestellt wird.

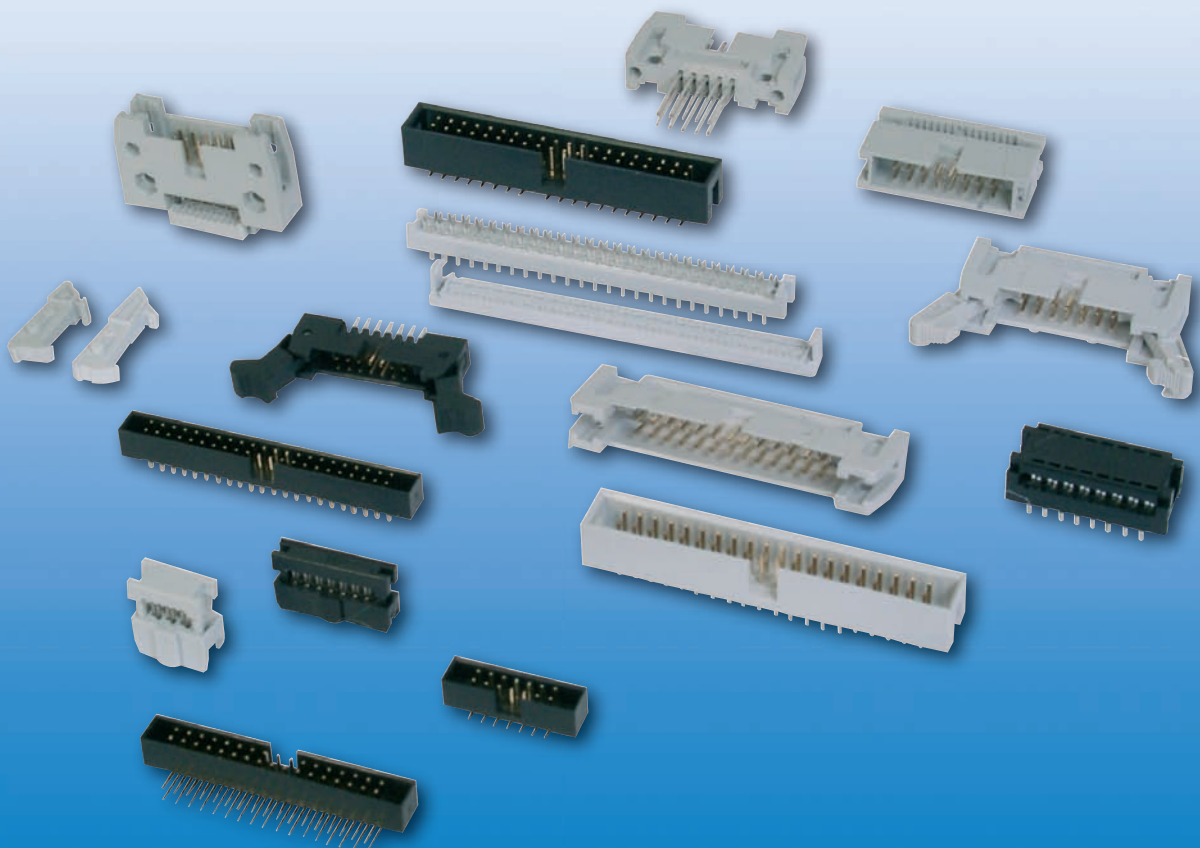
Diese Produkte finden ihren Einsatz in nahezu allen Anwendungsbereichen, angefangen vom Computer-, Industrie-, und Telekommunikationsmarkt, bis hin zum Automobilhersteller. Diese Produkttechnologie ermöglicht die kostengünstige Verbindung von Leiterplatten über lösbare und nicht lösbare Kabelkonfektionen in einer über Jahrzehnte erprobten Verarbeitungsweise. Hierbei sind die Kontakte der Kabelverbinder mit Schneidklemmkontakten versehen, die durch ihr Design beim Verpressen des Kabels mit dem Kontakt eine gasdichte Verbindung ergeben.

Neben dem traditionell stark genutzten Kontaktraster von 2,54 mm sind diese Steckverbinder auch im Raster 2,00 mm erhältlich. Das verwendete Kabel weist hierbei ein Raster von 1,27 mm bzw. 1,00 mm auf. Bei dieser Produktfamilie entfällt das ansonsten kostenintensive Abisolieren, Verzinnen, Vercrimpen und Stecken eines einzelnen Kabelstrangs, wie beim Crimpen üblich. Die Gehäuse sind mit einer Mittenpolarisation ausgestattet, die gegen ein Verdrehen des Steckers im Gegenstück unmöglich macht. Die Produkte sind maschinell, aber auch mit einfachsten Handhebelpressen zu verarbeiten.

ASSMANN WSW components offers under the product family 'MULTIFLEX' a full range of IDC connectors, produced according to DIN 41651.

Those products are used in more or less every known application within computer-, industrial-, telecommunication and specific automotive markets. This product technology allows cost effective connections between printed circuit boards based on removable or permanent connections based on a longterm proofed way of assembly. Contact concept of MULTIFLEX cable connectors is designed for insulation displacement proof for gas-tight connection.

MULTIFLEX connectors are available with the traditionally used pitch of 2,54 mm and the pitch of 2,00 mm. The specified cable do have 1,27 mm pitch and 1,00 mm pitch. Using IDC technology compared with crimp technology a lot of advantage become obviously, eg.: no stripping, soldering, crimping or stitching of single cable strands. The insulator housing does show a center polarization, which avoids mating failures. Assembly can be done automatic, semiautomatic and with simplest hand press tools.



|                          |
|--------------------------|
| Cable assemblies         |
| D-Sub / Hoods Centronics |
| Multiflex - DIN41651     |
| Modular                  |
| USB IEEE1394             |
| Switches                 |
| Powercords Powerinlets   |
| DIN41612 Hardmetric      |
| MiniDIN                  |
| Sockets / Strips Jumper  |
| Terminal Blocks          |
| Memory Card              |
| FFC / FPC                |

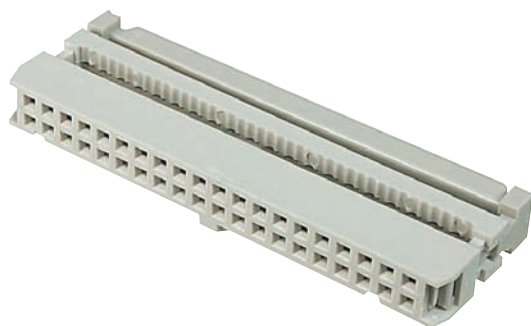
Produktbeschreibung

|                                                        |    |
|--------------------------------------------------------|----|
| IDC-Pfostenverbinder, im Raster 2.54 x 2.54 mm         | 76 |
| IDC-Pfostenverbinder, im Raster 2.00mm x 2.00mm        | 77 |
| Steckerleisten, gerade, Raster 2.54mm x 2.54mm         | 78 |
| Steckerleisten, abgewinkelt, Raster 2.54mm x 2.54mm    | 79 |
| IDC-Steckerleisten, Raster 2.54mm                      | 80 |
| IDC-Wannen-Leisten, Raster 2.54mm                      | 81 |
| Steckerleisten, gerade, Raster 2.54mm x 2.54mm         | 82 |
| Steckerleisten, abgewinkelt, Raster 2.54mm x 2.54mm    | 83 |
| Steckerleisten, Raster 2.54mm x 2.54mm, SMD            | 84 |
| Steckerleisten, gerade, Raster 2.00mm x 2.00mm         | 85 |
| Steckerleisten, abgewinkelt, Raster 2.00mm x 2.00mm    | 86 |
| Steckerleisten, Raster 2.00mm x 2.00mm, SMD            | 87 |
| IDC-Leiterplattenverbinder, Raster 2.54mm              | 88 |
| IDC-Leiterplattenverbinder, Raster 2.00mm              | 89 |
| Steckerleisten, gerade, Raster 2.00mm x 7.62mm         | 90 |
| Flachbandkabel AWG 28, Grau oder Farbig, Raster 1.27mm | 91 |
| Flachbandkabel AWG 28, Grau, Raster 1.00mm             | 93 |

Product description

|                                                   |    |
|---------------------------------------------------|----|
| IDC-sockets, pitch 2.54 x 2.54 mm                 | 76 |
| IDC-sockets, pitch 2.00mm x 2.00mm                | 77 |
| Header, straight, pitch 2.54mm x 2.54mm           | 78 |
| Header, right-angled, pitch 2.54mm x 2.54mm       | 79 |
| IDC-Header, pitch 2.54mm                          | 80 |
| IDC-Boxheader, pitch 2.54mm                       | 81 |
| Header, straight, pitch 2.54mm x 2.54mm           | 82 |
| Header, right-angled, pitch 2.54mm x 2.54mm       | 83 |
| Header, pitch 2.54mm x 2.54mm, SMD                | 84 |
| Header, straight, pitch 2.00mm x 2.00mm           | 85 |
| Header, right-angled, pitch 2.00mm x 2.00mm       | 86 |
| Header, pitch 2.00mm x 2.00mm, SMD                | 87 |
| IDC-Transition connector, pitch 2.54mm            | 88 |
| IDC-Transition connector, pitch 2.00mm            | 89 |
| Header, straight, pitch 2.00mm x 7.62mm           | 90 |
| Flat cable AWG 28, grey or coloured, pitch 1.27mm | 91 |
| Flat cable AWG 28, grey, pitch 1.00mm             | 93 |





**Isolierkörpermaterial**  
PBT, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktoberfläche**  
Ni, Au / Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
3A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
250V AC

**Prüfspannung**  
1000V AC/DC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Au / Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000MΩ min

**Current rating**  
3A

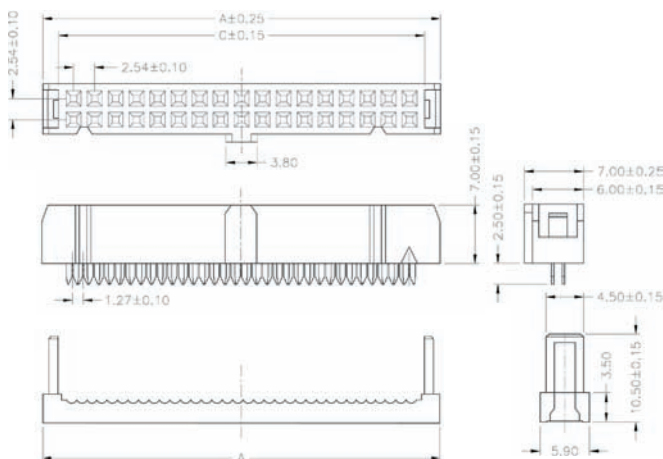
**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
250V AC

**Test voltage**  
1000V AC

**Packing**  
Tray packing

| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of Contacts | A     | B     |
| 06              | 12.54 | 5.08  |
| 08              | 15.08 | 7.62  |
| 10              | 17.62 | 10.16 |
| 14              | 22.70 | 15.24 |
| 16              | 25.24 | 17.78 |
| 20              | 30.32 | 22.86 |
| 26              | 37.94 | 30.48 |
| 34              | 48.10 | 40.64 |
| 40              | 55.72 | 48.26 |
| 50              | 68.42 | 60.96 |
| 60              | 81.12 | 73.66 |
| 64              | 86.20 | 78.74 |



Bestellcode / Ordercode

**Polzahl**

06 / 08 / 10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

**Mittenpolarisation**

7 - mit Mittenpolarisation\*  
8 - ohne Mittenpolarisation

**Beschichtung\***

5 - vollverzinkt  
2 - Güteklasse III, Au flash\*

**Zugentlastungsbügel**

0 - ohne Zugentlastung\*  
1 - mit Zugentlastung

**No. of contacts**

06 / 08 / 10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

**central polarisation**

7 - with central polarisation\*  
8 - without central polarisation

**Plating\***

5 - Tinned  
2 - Performance class III, Au flash\*

**strain reliefs\***

0 - without strain relief\*  
1 - with strain relief

**AWP** **xx** - **x** **x** **4** **x** **T**

Zugentlastung separat / strain relief separate (xx = No. of contacts)

**AWZ - xx - T**

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

\* Standard

Isolierkörpermaterial

PBT, UL94V-0

Kontaktmaterial

Phosphorbronze

Kontakttoberfläche

Ni, Au / Sn

Kontaktwiderstand

20mΩ max

Isolationswiderstand

1000MΩ min

Strombelastbarkeit

1A

Betriebstemperatur

-40°C - +105°C

Betriebsspannung

125V AC

Prüfspannung

1000V AC

Verpackung

Blisterverpackung

Insulator material

PBT, UL94V-0

Contact material

Phosphor bronze

Plating

Ni, Au / Sn

Contact resistance

20mΩ max

Insulation resistance

1000MΩ min

Current rating

1A

Operating temperature

-40°C to +105°C

Operating voltage

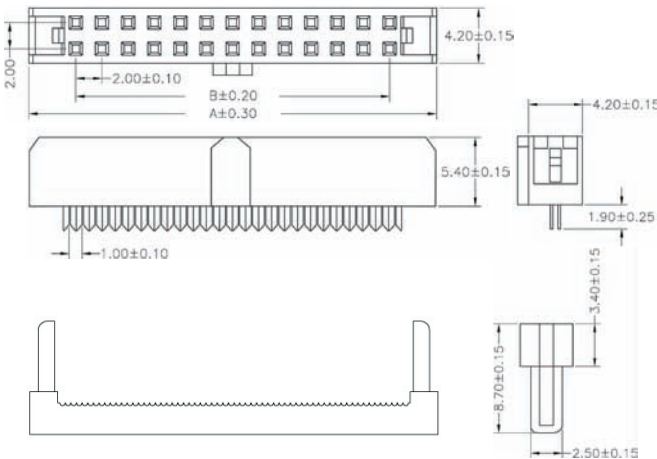
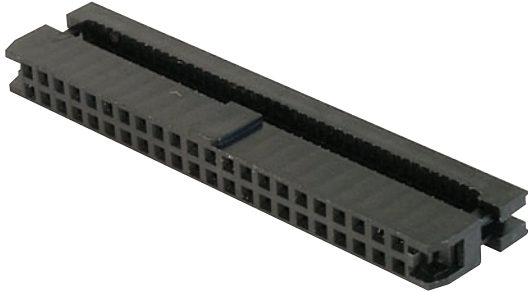
125V AC

Test voltage

1000V AC

Packing

Tray packing



| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of Contacts | A     | B     |
| 10              | 15,20 | 8,00  |
| 14              | 19,20 | 12,00 |
| 16              | 21,20 | 14,00 |
| 20              | 25,20 | 18,00 |
| 26              | 31,20 | 24,00 |
| 34              | 39,20 | 32,00 |
| 40              | 45,20 | 38,00 |
| 44              | 49,20 | 42,00 |
| 50              | 55,20 | 48,00 |

Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 / 26 / 34 / 40 /  
44 / 50

No. of contacts

10 / 14 / 16 / 20 / 26 / 34 / 40 /  
44 / 50

7 - mit Mittelpolarisation

7 - with central polarisation

2 - Güteklasse III, Au flash

2 - Quality class III, Au flash

0 - ohne Zugentlastung

0 - without strain relief

AWP2 xx - 7 2 4 0

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Zugentlastung separat / strain relief separate (xx = No. of contacts)

AWZ2 - xx

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powermats

DIN41612  
Hardmetric

MiniDIN

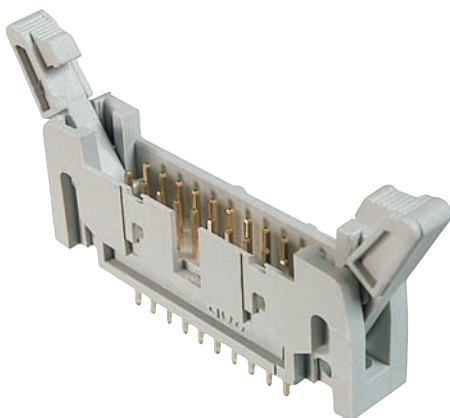
Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC





**Isolierkörpermaterial**  
PBT, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktoberfläche**  
Ni, Au / Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
3A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
250V AC

**Prüfspannung**  
1000V AC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Au / Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000MΩ min

**Current rating**  
3A

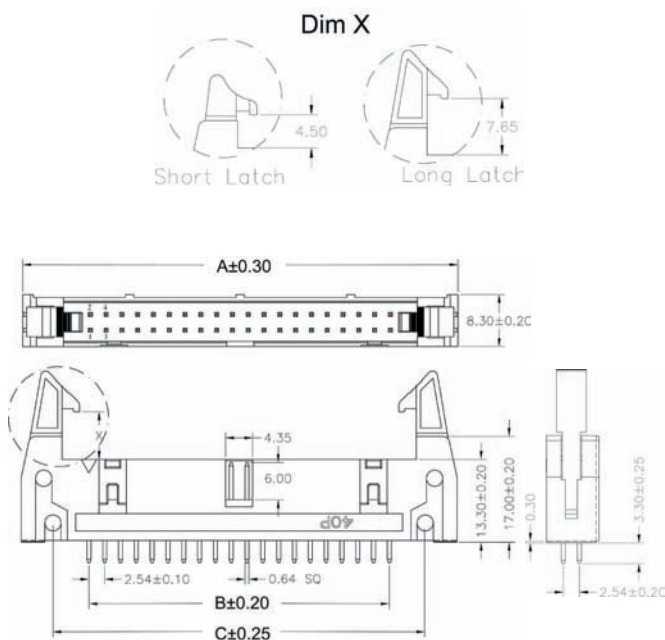
**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
250V AC

**Test voltage**  
1000V AC

**Packing**  
Tray packing

| Dimensions      |        |       |       |
|-----------------|--------|-------|-------|
| No. of Contacts | A      | B     | C     |
| 10              | 31,90  | 10,16 | 21,90 |
| 14              | 36,98  | 15,24 | 26,98 |
| 16              | 39,52  | 17,78 | 29,52 |
| 20              | 44,60  | 22,86 | 34,60 |
| 26              | 52,22  | 30,48 | 42,22 |
| 34              | 62,38  | 40,64 | 52,38 |
| 40              | 70,00  | 48,26 | 60,00 |
| 50              | 82,70  | 60,96 | 72,70 |
| 60              | 95,40  | 73,66 | 85,40 |
| 64              | 100,48 | 78,74 | 90,48 |



Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

No. of contacts

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

Beschichtung

5 - vollverzinkt  
2 - Au flash\* (selektiv)

Plating\*

5 - Tinned  
2 - Au flash\* (selective)

Verriegelungsclips

0 - ohne Verriegelungsclips\*  
2 - mit kurzen Verriegelungsclips  
3 - mit langem Verriegelungsclips

Latches

0 - without latches\*  
2 - with short latches  
3 - with long latches

**AWH** **xx** **G** **- 0** **x** **x** **2** **- T**

Verriegelungsclips separat / Latches separate

**AWHCLIP LONG** (lang / long)

**AWHCLIP XSHORT** (kurz / short)

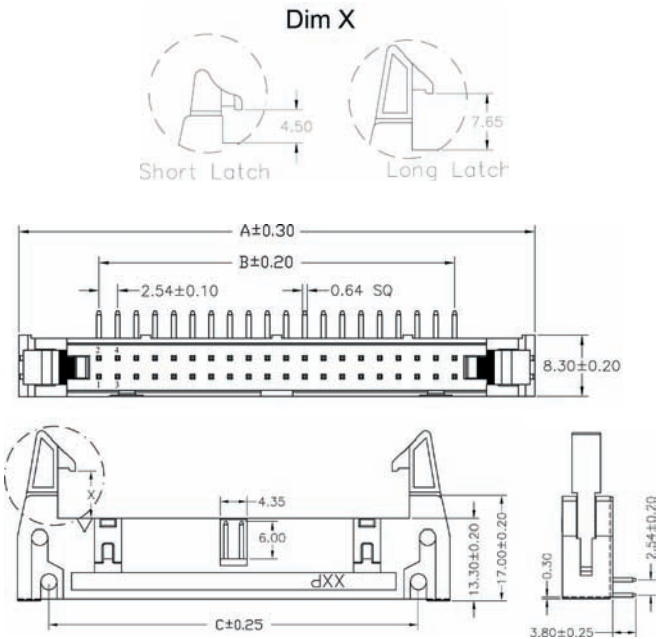
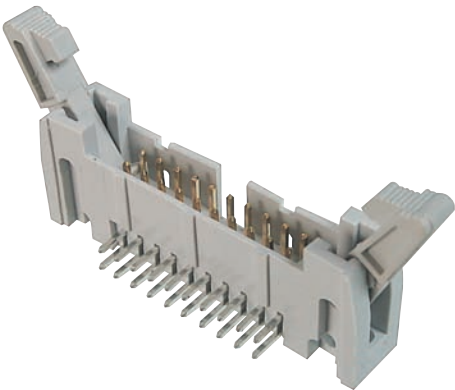
Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

\* Standard

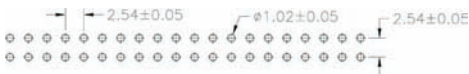
Steckerleisten, 10- bis 64polig, abgewinkelt, Raster 2.54mm x 2.54mm  
Header, 10- to 64-contacts, right-angled, pitch 2.54mm x 2.54mm

**Isolierkörpermaterial**  
PBT, UL94V-0  
**Kontaktmaterial**  
Messing  
**Kontaktoberfläche**  
Ni, Au / Sn  
**Kontaktwiderstand**  
20mΩ max  
**Isolationswiderstand**  
1000MΩ min  
**Strombelastbarkeit**  
3A  
**Betriebstemperatur**  
-40°C - +105°C  
**Betriebsspannung**  
250V AC  
**Prüfspannung**  
1000V AC  
**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0  
**Contact material**  
Brass  
**Plating**  
Ni, Au / Sn  
**Contact resistance**  
20mΩ max  
**Insulation resistance**  
1000MΩ min  
**Current rating**  
3A  
**Operating temperature**  
-40°C to +105°C  
**Operating voltage**  
250V AC  
**Test voltage**  
1000V AC  
**Packing**  
Tray packing



| Dimensions      |        |       |       |
|-----------------|--------|-------|-------|
| No. of Contacts | A      | B     | C     |
| 10              | 31,90  | 10,16 | 21,90 |
| 14              | 36,98  | 15,24 | 26,78 |
| 16              | 39,52  | 17,78 | 29,32 |
| 20              | 44,60  | 22,86 | 34,40 |
| 26              | 52,22  | 30,48 | 42,02 |
| 34              | 62,38  | 40,64 | 52,18 |
| 40              | 70,00  | 48,26 | 59,80 |
| 50              | 82,70  | 60,96 | 72,50 |
| 60              | 95,40  | 73,66 | 85,20 |
| 64              | 100,48 | 78,74 | 90,28 |



Bestellcode / Ordercode

**Polzahl**  
10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

**No. of contacts**  
10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

**Beschichtung**  
5 - vollverzinnt -  
2 - Au flash\* (selektiv)

**Plating**  
5 - Tinned  
2 - Au flash\* (selective)

**Verriegelungsclips**  
0 - ohne Verriegelungsclips\*  
2 - mit kurzen Verriegelungsclips  
3 - mit langem Verriegelungsclips

**Latches**  
0 - without latches\*  
2 - with short latches  
3 - with long latches

AWH xx A - 0 x x 2 - T

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Verriegelungsclips separat / Latches separate

AWHCLIP LONG (lang / long)  
AWHCLIP XSHORT (kurz / short)

\* Standard

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powermats

DIN41612  
Hardmetric

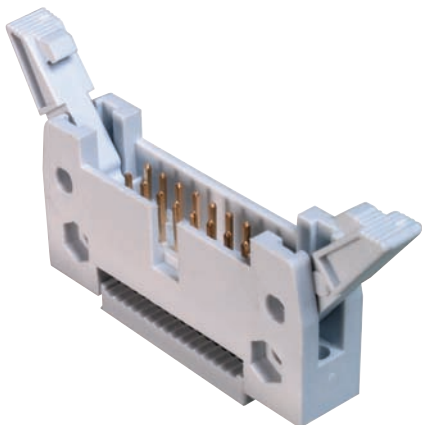
MiniDIN

Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC



**Isolierkörpermaterial**  
PBT, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktoberfläche**  
Ni, Au / Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
1A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
250V AC

**Prüfspannung**  
1000V AC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Au / Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000MΩ min

**Current rating**  
1A

**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
250V AC

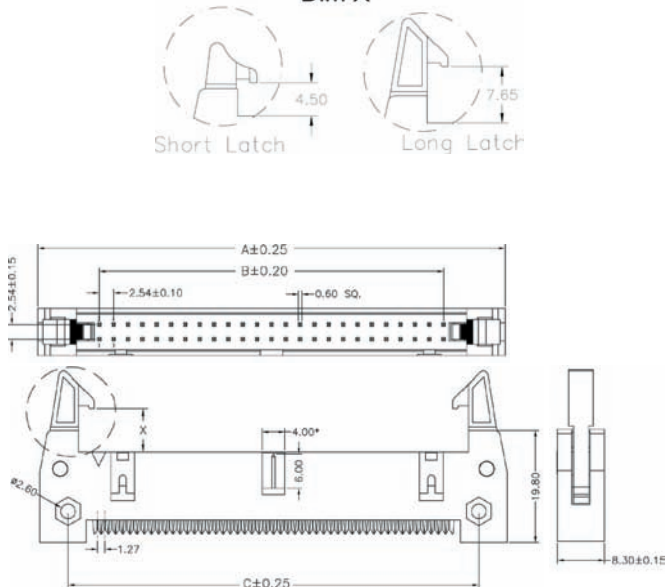
**Test voltage**  
1000V AC

**Packing**  
Tray packing

**Dimensions**

| No. of contacts | A      | B     | C     | D     |
|-----------------|--------|-------|-------|-------|
| 10              | 31,90  | 10,16 | 21,90 | 15,20 |
| 14              | 36,98  | 15,24 | 26,98 | 20,28 |
| 16              | 39,52  | 17,78 | 29,52 | 22,82 |
| 20              | 44,60  | 22,86 | 34,60 | 27,90 |
| 26              | 52,22  | 30,48 | 42,22 | 35,52 |
| 34              | 62,38  | 40,64 | 52,38 | 45,68 |
| 40              | 70,00  | 48,26 | 60,00 | 53,30 |
| 50              | 82,70  | 60,96 | 72,70 | 66,00 |
| 60              | 95,40  | 73,66 | 85,40 | 78,70 |
| 64              | 100,48 | 78,74 | 90,48 | 83,78 |

**Dim X**



Bestellcode / Ordercode

**Polzahl**

10 / 14 / 16 / 20 / 26 /  
34 / 40 / 50 / 60 / 64

**No. of contacts**

10 / 14 / 16 / 20 / 26 /  
34 / 40 / 50 / 60 / 64

**Ausführung**

0 - ohne Flansch\*  
E - mit Flansch

**Version**

0 - without mounting ear\*  
E - with mounting ear

**Verriegelungsklips**

0 - ohne Verriegelungsklips\*  
2 - mit kurzen Verriegelungsklips  
3 - mit langen Verriegelungsklips

**Latches**

0 - without latches\*  
2 - with short latches  
3 - with long latches

**AWH xx G - x - 2 - x - 2 - IDC**

Verriegelungsklipse separat / Latches separate

**AWHCLIP LONG** (lang / long)

**AWHCLIP XSHORT** (kurz / short)

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

\* Standard

IDC-Wannen-Leisten, 10- bis 64polig, Raster 2.54mm  
IDC-Boxheader, 10- to 64-contacts, pitch 2.54mm

Isolierkörpermaterial

PBT, UL94V-0

Kontaktmaterial

Messing

Kontaktfläche

Ni, AU / Sn

Kontaktwiderstand

15mΩ max

Isolationswiderstand

1000MΩ min

Strombelastbarkeit

1A

Betriebstemperatur

-40°C - +105°C

Betriebsspannung

250V AC

Prüfspannung

1000V AC

Verpackung

Blisterverpackung

Insulator material

PBT, UL94V-0

Contact material

Brass

Plating

Ni, AU / Sn

Contact resistance

15mΩ max

Insulation resistance

1000MΩ min

Current rating

1A

Operating temperature

-40°C to +105°C

Operating voltage

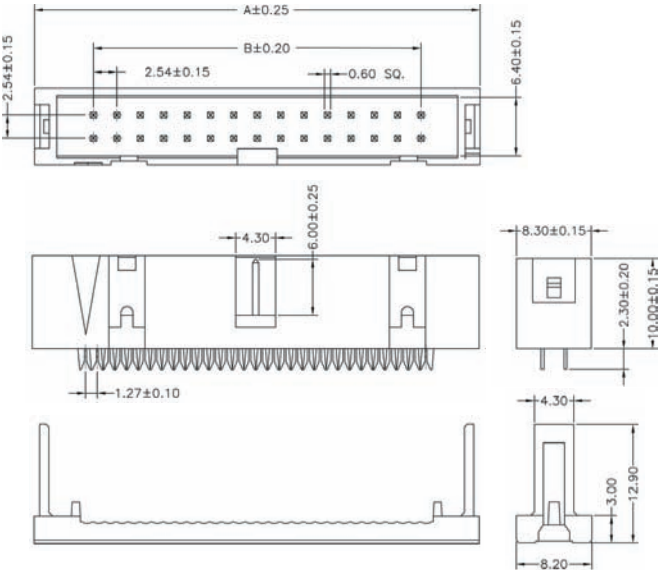
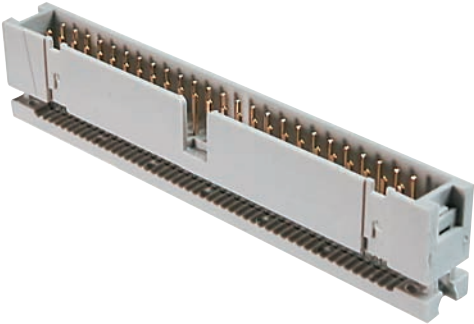
250V AC

Test voltage

1000V AC

Packing

Tray packing



| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 22,95 | 10,16 |
| 14              | 28,03 | 15,24 |
| 16              | 30,57 | 17,78 |
| 20              | 35,65 | 22,86 |
| 26              | 43,27 | 30,48 |
| 34              | 53,43 | 40,64 |
| 40              | 61,05 | 48,26 |
| 50              | 73,75 | 60,96 |
| 60              | 86,45 | 73,66 |
| 64              | 91,53 | 78,74 |

Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

No. of contacts

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

AWHC xx - 0111 - T

Zugentlastungsbügel zur Nachrüstung / Strain relief bow for subsequent conversion (xx = No. of contacts)

AWHC - Z xx

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powerinlets

DIN41612  
Hardmetric

MiniDIN

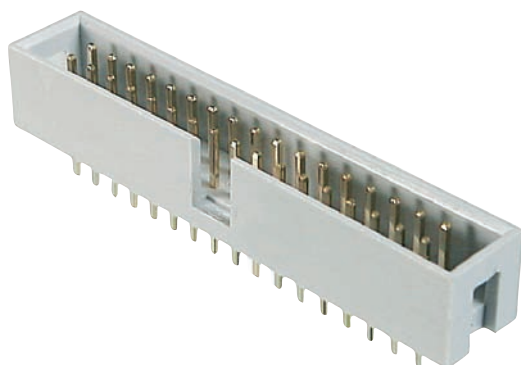
Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC





**Isolierkörpermaterial**  
PBT, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktüberfläche**  
Ni, Au / Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
3A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
250V AC

**Prüfspannung**  
1000V AC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Au / Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000mΩ min

**Current rating**  
3A

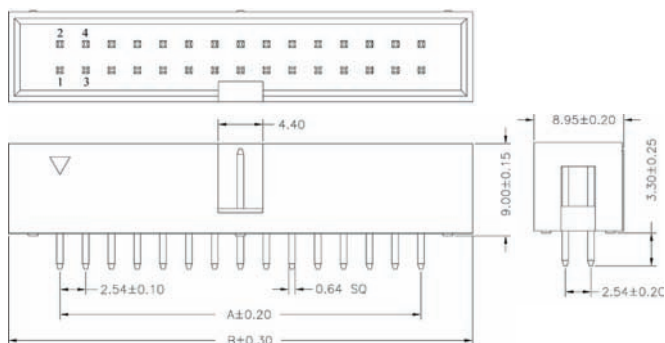
**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
250V AC

**Test voltage**  
1000V AC

**Packing**  
Tray packing

| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 10,16 | 20,32 |
| 14              | 15,24 | 25,40 |
| 16              | 17,78 | 27,94 |
| 20              | 22,86 | 33,02 |
| 26              | 30,48 | 40,64 |
| 34              | 40,64 | 50,80 |
| 40              | 48,26 | 58,42 |
| 50              | 60,96 | 71,12 |
| 60              | 73,66 | 83,82 |
| 64              | 78,74 | 88,90 |



Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

Beschichtung

5 - vollverzinkt  
2 - Au flash\*

No. of contacts

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

Plating

5 - Tinned  
2 - Au flash\*

**AWHW** **xx** **G** - **0** **x** **0** **2** - **T**

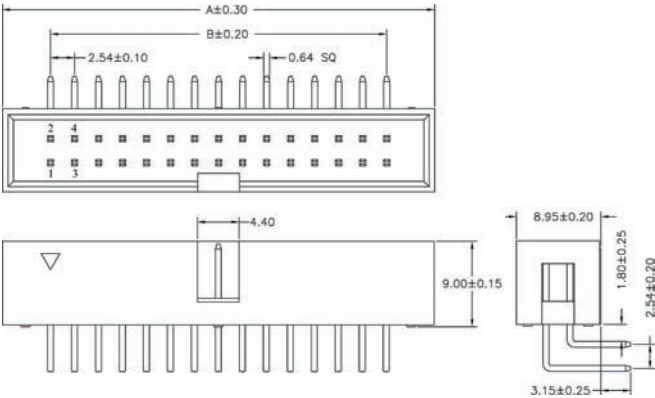
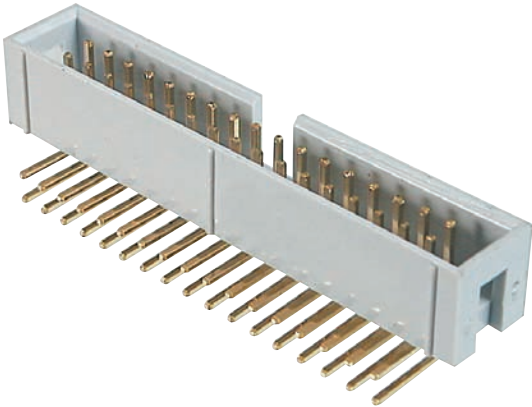
Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

\* Standard

Steckerleisten, 10- bis 64polig, abgewinkelt, Raster 2.54mm x 2.54mm  
Header, 10- to 64-contacts, right-angled, pitch 2.54mm x 2.54mm

**Isolierkörpermaterial**  
PBT, UL94V-0  
**Kontaktmaterial**  
Messing  
**Kontaktoberfläche**  
Ni, Au / Sn  
**Kontaktwiderstand**  
20mΩ max  
**Isolationswiderstand**  
1000MΩ min  
**Strombelastbarkeit**  
3A  
**Betriebstemperatur**  
-40°C - +105°C  
**Betriebsspannung**  
250V AC  
**Prüfspannung**  
1000V AC  
**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0  
**Contact material**  
Brass  
**Plating**  
Ni, Au / Sn  
**Contact resistance**  
20mΩ max  
**Insulation resistance**  
1000MΩ min  
**Current rating**  
3A  
**Operating temperature**  
-40°C to +105°C  
**Operating voltage**  
250V AC  
**Test voltage**  
1000V AC  
**Packing**  
Tray packing



| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 20,32 | 10,16 |
| 14              | 25,40 | 15,24 |
| 16              | 27,94 | 17,78 |
| 20              | 33,02 | 22,86 |
| 26              | 40,64 | 30,48 |
| 34              | 50,80 | 40,64 |
| 40              | 58,42 | 48,26 |
| 50              | 71,12 | 60,96 |
| 60              | 83,82 | 73,66 |
| 64              | 88,90 | 78,74 |



Bestellcode / Ordercode

**Polzahl**  
10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

**No. of contacts**  
10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

**Beschichtung**  
5 - vollverzinnt  
2 - Au flash\* (selektiv)

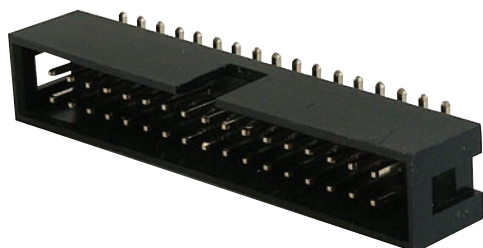
**Plating**  
5 - Tinned  
2 - Au flash\* (selective)

AWHW xx A - 0 x 0 2 - T

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

\* Standard

- Cable assemblies
- D-Sub / Hoods Centronics
- Multiflex - DIN41651
- Modular
- USB IEEE1394
- Switches
- Powercords Powerline
- DIN41612 Hardmetric
- MiniDIN
- Sockets / Strips Jumper
- Terminal Blocks
- Memory Card
- FFC / FPC



**Isolierkörpermaterial**  
PA6T, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktoberfläche**  
Ni, Au / Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
3A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
250V AC

**Prüfspannung**  
1000V AC

**Verpackung**  
Blisterverpackung  
andere auf Anfrage

**Insulator material**  
PA6T, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Au / Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000MΩ min

**Current rating**  
3A

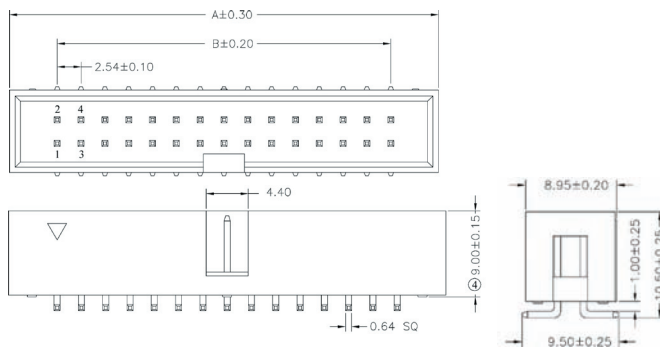
**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
250V AC

**Test voltage**  
1000V AC

**Packing**  
Tray packing  
other packings on request

| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 20,32 | 10,16 |
| 14              | 25,40 | 15,24 |
| 16              | 27,94 | 17,78 |
| 20              | 33,02 | 22,86 |
| 26              | 40,64 | 30,48 |
| 34              | 50,80 | 40,64 |
| 40              | 58,42 | 48,26 |



Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 / 26 / 34 / 40

No. of contacts

10 / 14 / 16 / 20 / 26 / 34 / 40

**AWHW** **xx** **G** - **SMD**

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Steckerleisten, 10- bis 50polig, gerade, Raster 2.00mm x 2.00mm  
Header, 10- to 50-contacts, straight, pitch 2.00mm x 2.00mm

Isolierkörpermaterial

PA6T, UL94V-0

Kontaktmaterial

Messing

Kontaktoberfläche

Ni, Au

Kontaktwiderstand

20mΩ max

Isolationswiderstand

1000MΩ min

Strombelastbarkeit

1.5A

Betriebstemperatur

-40°C - +105°C

Betriebsspannung

125V AC

Prüfspannung

1000V AC

Verpackung

Blisterverpackung

Insulator material

PA6T, UL94V-0

Contact material

Brass

Plating

Ni, Au

Contact resistance

20mΩ max

Insulation resistance

1000MΩ min

Current rating

1.5A

Operating temperature

-40°C to +105°C

Operating voltage

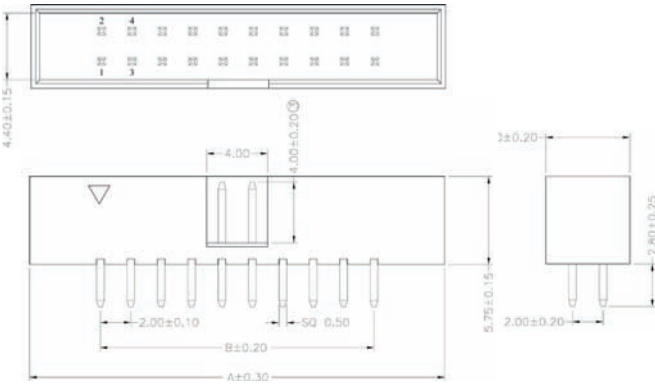
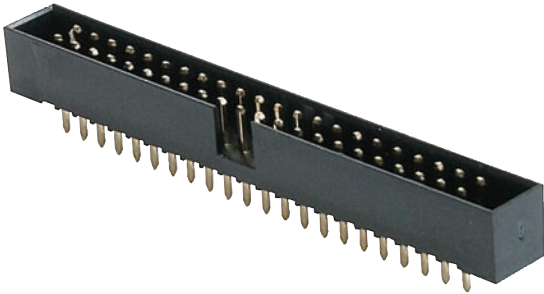
125V AC

Test voltage

1000V AC

Packing

Tray packing



| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 17,00 | 8,00  |
| 14              | 21,00 | 12,00 |
| 16              | 23,00 | 14,00 |
| 20              | 27,00 | 18,00 |
| 26              | 33,00 | 24,00 |
| 34              | 41,00 | 32,00 |
| 40              | 47,00 | 38,00 |
| 44              | 51,00 | 42,00 |
| 50              | 57,00 | 48,00 |



Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 / 26 /  
34 / 40 / 44 / 50

No. of contacts

10 / 14 / 16 / 20 / 26 /  
34 / 40 / 44 / 50

2 - Au flash

2 - Au flash

AWHW2 xx G - 0 2 0 2

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powerline

DIN41612  
Hardmetric

MiniDIN

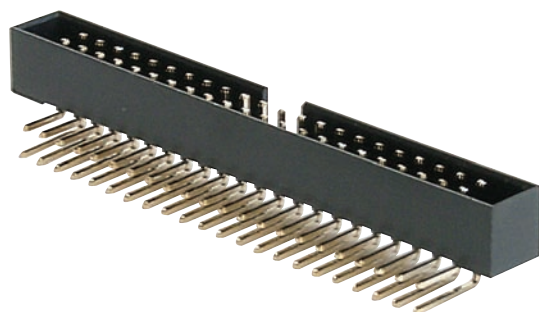
Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC





**Isolierkörpermaterial**  
PA6T, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktoberfläche**  
Ni, Au

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
1.5A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
125V AC

**Prüfspannung**  
1000V AC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PA6T, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Au

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000MΩ min

**Current rating**  
1.5A

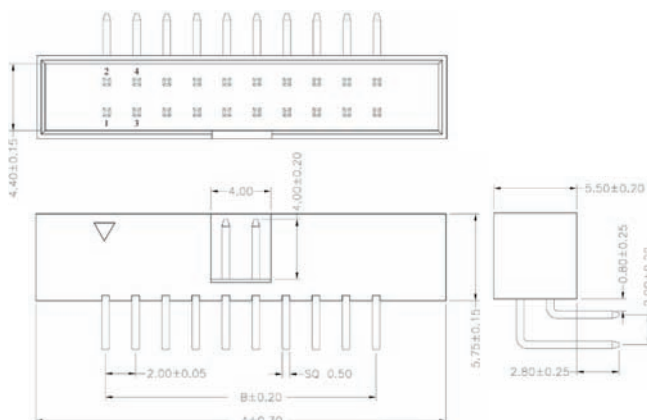
**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
125V AC

**Test voltage**  
1000V AC

**Packing**  
Tray packing

| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 17,00 | 8,00  |
| 14              | 21,00 | 12,00 |
| 16              | 23,00 | 14,00 |
| 20              | 27,00 | 18,00 |
| 26              | 33,00 | 24,00 |
| 34              | 41,00 | 32,00 |
| 40              | 47,00 | 38,00 |
| 44              | 51,00 | 42,00 |
| 50              | 57,00 | 48,00 |



Bestellcode / Ordercode

Polzahl

No. of contacts

10 / 14 / 16 / 20 / 26 /  
34 / 40 / 44 / 50

10 / 14 / 16 / 20 / 26 /  
34 / 40 / 44 / 50

2 - Au flash

2 - Au flash

**AWHW2** **xx** **A** **0** **2** **0** **2**

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Isolierkörpermaterial

PA6T, UL94V-0

Kontaktmaterial

Messing

Kontaktoberfläche

Ni, Au

Kontaktwiderstand

20mΩ max

Isolationswiderstand

1000MΩ min

Strombelastbarkeit

1.5A

Betriebstemperatur

-40°C - +105°C

Betriebsspannung

125V AC

Prüfspannung

1000V AC

Verpackung

Blisterverpackung

Insulator material

PA6T, UL94V-0

Contact material

Brass

Plating

Ni, Au

Contact resistance

20mΩ max

Insulation resistance

1000mΩ min

Current rating

1.5A

Operating temperature

-40°C to +105°C

Operating voltage

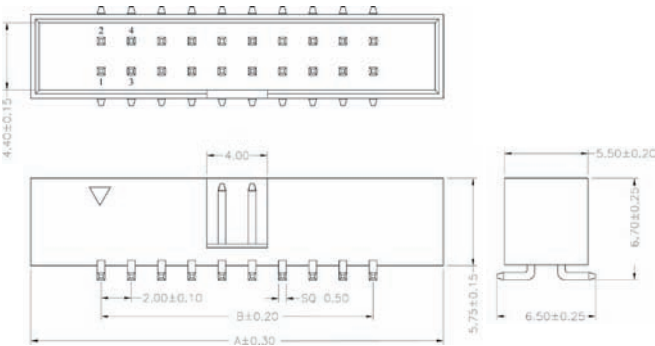
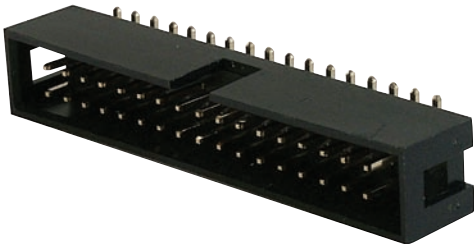
125V AC

Test voltage

1000V AC

Packing

Tray packing



| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 17,00 | 8,00  |
| 14              | 21,00 | 12,00 |
| 16              | 23,00 | 14,00 |
| 20              | 27,00 | 18,00 |
| 26              | 33,00 | 24,00 |
| 34              | 41,00 | 32,00 |
| 40              | 47,00 | 38,00 |
| 44              | 51,00 | 42,00 |
| 50              | 57,00 | 48,00 |



Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 44 / 50

200 - Raster 2.00mm

No. of contacts

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 44 / 50

200 - Raster 2.00mm

AWHW xx G - SMD - 200

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powerinlets

DIN41612  
Hardmetric

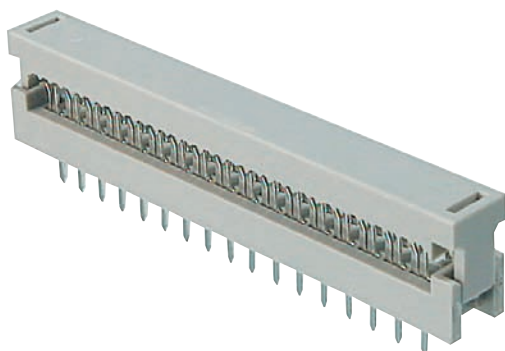
MiniDIN

Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC



**Isolierkörpermaterial**  
PBT, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktoberfläche**  
Ni, Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
3A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
250V AC

**Prüfspannung**  
500V AC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000MΩ min

**Current rating**  
3A

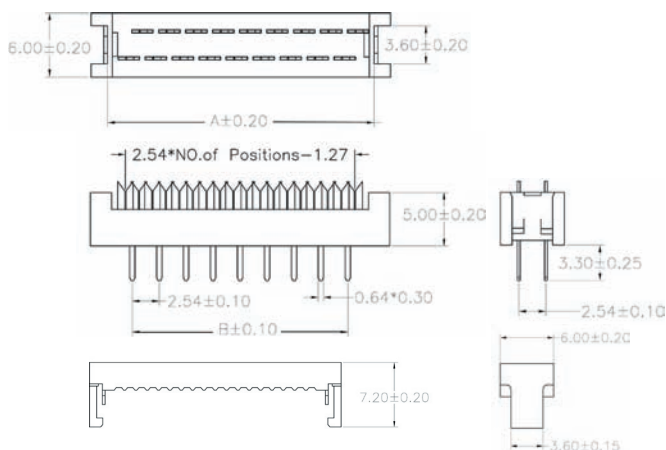
**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
250V AC

**Test voltage**  
500V AC

**Packing**  
Tray packing

| Dimensions      |       |       |       |
|-----------------|-------|-------|-------|
| No. of contacts | A     | B     | C     |
| 10              | 17,48 | 10,16 | 18,17 |
| 14              | 22,56 | 15,24 | 23,25 |
| 16              | 25,10 | 17,78 | 25,79 |
| 20              | 30,18 | 22,87 | 30,87 |
| 26              | 37,80 | 30,48 | 38,49 |
| 34              | 47,96 | 40,64 | 48,65 |
| 40              | 55,58 | 48,26 | 56,27 |
| 50              | 68,28 | 60,96 | 68,97 |
| 60              | 80,98 | 73,66 | 81,67 |
| 64              | 86,06 | 78,74 | 86,75 |



Bestellcode / Ordercode

Polzahl

No. of contacts

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

10 / 14 / 16 / 20 /  
26 / 34 / 40 / 50 / 60 / 64

AWLP xx / 3,2 T

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

IDC-Leiterplattenverbinder, 10- bis 64polig, Raster 2.00mm  
IDC-Transition connector, 10- to 64-contacts, pitch 2.00mm

**Isolierkörpermaterial**  
PBT, UL94V-0

**Kontaktmaterial**  
Phosphorbronze

**Kontaktoberfläche**  
Ni, Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
1A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
125V AC

**Prüfspannung**  
500V AC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0

**Contact material**  
Phosphor bronze

**Plating**  
Ni, Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000mΩ min

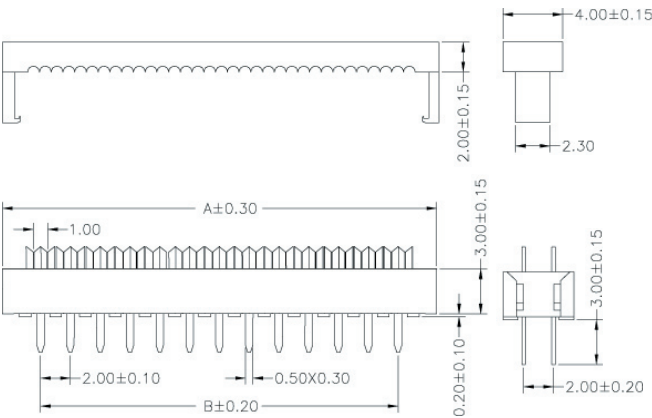
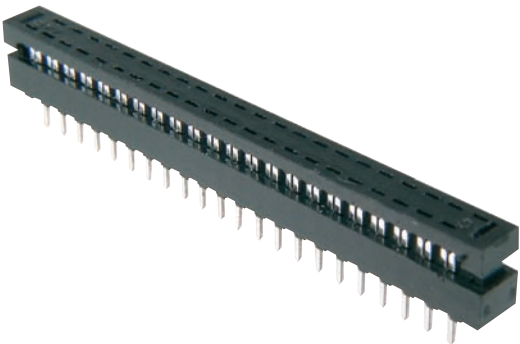
**Current rating**  
1A

**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
125V AC

**Test voltage**  
500V AC

**Packing**  
Tray packing



| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 10              | 14,30 | 8,00  |
| 14              | 18,30 | 12,00 |
| 16              | 20,30 | 14,00 |
| 20              | 24,30 | 18,00 |
| 26              | 30,30 | 24,00 |
| 34              | 38,30 | 32,00 |
| 40              | 44,30 | 38,00 |
| 50              | 54,30 | 48,00 |
| 60              | 64,30 | 58,00 |
| 64              | 68,30 | 62,00 |



Bestellcode / [Ordercode](#)

Polzahl

10 / 16 / 20 / 26 / 34 / 40 /  
50 / 60 / 64

No. of contacts

10 / 16 / 20 / 26 / 34 / 40 /  
50 / 60 / 64

**AWLP2 - xx**

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powerline

DIN41612  
Hardmetric

MiniDIN

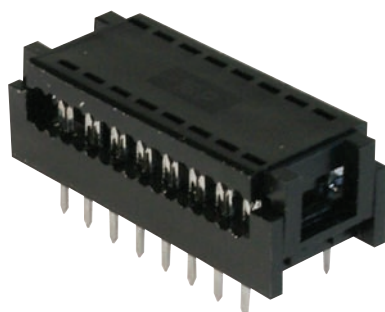
Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC





| Dimensions      |       |       |
|-----------------|-------|-------|
| No. of contacts | A     | B     |
| 08              | 7.62  | 15.42 |
| 10              | 10.16 | 17.96 |
| 14              | 15.24 | 23.04 |
| 16              | 17.78 | 25.58 |
| 20              | 22.86 | 30.66 |



**Isolierkörpermaterial**  
PBT, UL94V-0

**Kontaktmaterial**  
Messing

**Kontaktoberfläche**  
Ni, Sn

**Kontaktwiderstand**  
20mΩ max

**Isolationswiderstand**  
1000MΩ min

**Strombelastbarkeit**  
1A

**Betriebstemperatur**  
-40°C - +105°C

**Betriebsspannung**  
250V AC

**Prüfspannung**  
1000V AC

**Verpackung**  
Blisterverpackung

**Insulator material**  
PBT, UL94V-0

**Contact material**  
Brass

**Plating**  
Ni, Sn

**Contact resistance**  
20mΩ max

**Insulation resistance**  
1000mΩ min

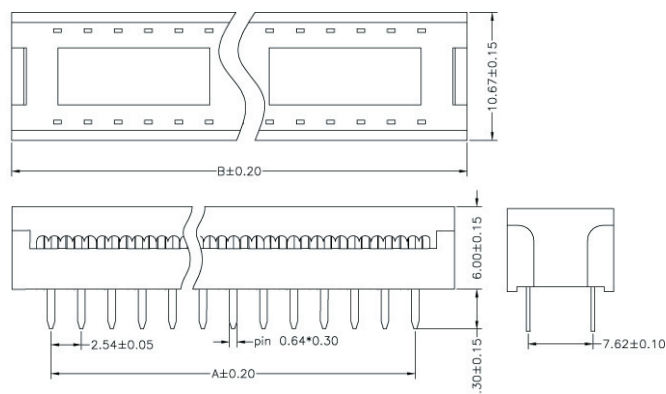
**Current rating**  
1A

**Operating temperature**  
-40°C to +105°C

**Operating voltage**  
250V AC

**Test voltage**  
1000V AC

**Packing**  
Tray packing



Bestellcode / Ordercode

Polzahl

08 / 10 / 14 / 16 / 20

No. of contacts

08 / 10 / 14 / 16 / 20

ADIP

xx

Z

LC

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Flachbandkabel AWG 28, Grau oder Farbig, Raster 1.27mm  
Flat cable AWG 28, grey or coloured, pitch 1.27mm

**Betriebsspannung**  
300V

**Durchschlagsspannung**  
2000V

**Strombelastbarkeit**  
1A

**Kapazität**  
45pF / m

**Leiterwiderstand**  
< 215Ω / km

**Impedanz**  
104Ω

**Übersprechen unsymmetrisch**  
60 dB

**Übersprechen symmetrisch**  
50 dB

**Betriebstemperatur**  
-30°C - +105°C

**Farbe**  
Grau (Rote Randmarkierung)

**Farbfolge**  
braun, rot, orange, gelb, grün,  
blau, violett, grau, weiss,  
schwarz

**Operating voltage**  
300V

**Test voltage**  
2000V

**Current rating**  
1A

**Capacity**  
45pF / m

**Conductor resistance**  
< 215Ω / km

**Impedance**  
104Ω

**Cross-talk asymmetric**  
60 dB

**Cross-talk symmetric**  
50 dB

**Operating temperature**  
-30°C - +105°C

**Colour**  
Grey (red coded)

**Colour sequence**  
brown, red, orange, yellow,  
green, blue, violet, grey, white,  
black



UL-STYLE : 2651

UL-STYLE : 2651

Made in Germany

Bestellcode / Ordercode

Polzahl

10 / 14 / 16 / 20 / 25 / 26 /  
34 / 37\* / 40 / 50 / 60\* / 64

Farbe

G - Grau ( 30.5 m)  
G50 - Grau ( 50.0 m)  
G100- Grau (100.0 m)  
F - Farbcodiert ( 30.5 m)

No. of contacts

10 / 14 / 16 / 20 / 25 / 26 /  
34 / 37\* / 40 / 50 / 60\* / 64

Colour

G - Grey ( 30.5 m)  
G50 - Grey ( 50.0 m)  
G100- Grey (100.0 m)  
F - Colour coded ( 30.5 m)

AWG 28 - xx / x

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

\* nicht bei farbkodierten Leitungen verfügbar  
\* not available in color cables

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powernets

DIN41612  
Hardmetric

MiniDIN

Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC



|                                             |                                                |
|---------------------------------------------|------------------------------------------------|
| <b>Betriebsspannung</b><br>300V             | <b>Operating voltage</b><br>300V               |
| <b>Durchschlagsspannung</b><br>2000V        | <b>Test voltage</b><br>2000V                   |
| <b>Strombelastbarkeit</b><br>1A             | <b>Current rating</b><br>1A                    |
| <b>Kapazität</b><br>45pF / m                | <b>Capacity</b><br>45pF / m                    |
| <b>Leiterwiderstand</b><br>< 213Ω / km      | <b>Conductor resistance</b><br>< 213Ω / km     |
| <b>Impedanz</b><br>104Ω                     | <b>Impedance</b><br>104Ω                       |
| <b>Übersprechen unsymmetrisch</b><br>60 dB  | <b>Cross-talk asymmetric</b><br>60 dB          |
| <b>Übersprechen symmetrisch</b><br>50 dB    | <b>Cross-talk symmetric</b><br>50 dB           |
| <b>Betriebstemperatur</b><br>-30°C - +105°C | <b>Operating temperature</b><br>-30°C - +105°C |
| <b>Farbe</b><br>Grau (Rote Randmarkierung)  | <b>Colour</b><br>Grey (red coded)              |
| <b>UL-STYLE : 2651</b>                      | <b>UL-STYLE : 2651</b>                         |

Bestellcode / Ordercode

Polzahl

No. of contacts

10 / 14 / 16 / 20 / 25 /  
26 / 34 / 40 / 50 / 64

10 / 14 / 16 / 20 / 25 /  
26 / 34 / 40 / 50 / 64

AK AWG xx

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

**Standard: 30.5m Rolle**  
**standard: 30.5m Reel**

|                                             |                                                |
|---------------------------------------------|------------------------------------------------|
| <b>Betriebsspannung</b><br>300V             | <b>Operating voltage</b><br>300V               |
| <b>Durchschlagsspannung</b><br>2000V        | <b>Test voltage</b><br>2000V                   |
| <b>Strombelastbarkeit</b><br>1A             | <b>Current rating</b><br>1A                    |
| <b>Kapazität</b><br>45pF / m                | <b>Capacity</b><br>45pF / m                    |
| <b>Leiterwiderstand</b><br>< 213Ω / km      | <b>Conductor resistance</b><br>< 213Ω / km     |
| <b>Impedanz</b><br>104Ω                     | <b>Impedance</b><br>104Ω                       |
| <b>Übersprechen unsymmetrisch</b><br>60 dB  | <b>Cross-talk asymetric</b><br>60 dB           |
| <b>Übersprechen symetrisch</b><br>50 dB     | <b>Cross-talk symetric</b><br>50 dB            |
| <b>Betriebstemperatur</b><br>-30°C - +105°C | <b>Operating temperature</b><br>-30°C - +105°C |
| <b>Farbe</b><br>Grau (Rote Randmarkierung)  | <b>Colour</b><br>Grey (red coded)              |
| <b>UL-STYLE : 2651</b>                      | <b>UL-STYLE : 2651</b>                         |



Bestellcode / [Ordercode](#)

Polzahl

14 / 20 / 26 / 34 / 40 / 50

No. of contacts

14 / 20 / 26 / 34 / 40 / 50

AWG 28 - xx / G - 1,0

Bitte „x“ durch die geeignete Option ersetzen  
Please replace „x“ with appropriate option

Cable  
assemblies

D-Sub / Hoods  
Centronics

Multiflex -  
DIN41651

Modular

USB  
IEEE1394

Switches

Powercords  
Powerinlets

DIN41612  
Hardmetric

MiniDIN

Sockets / Strips  
Jumper

Terminal Blocks

Memory Card

FFC / FPC

Neben Standardkabeln fertigen wir Kabelkonfektionen speziell nach Kundenwunsch.

Im Bereich Flachband-kabel bieten wir Ihnen Konfektionen mit beliebigen Polzahlen und Längen mit entsprechenden Steckverbindern an.

Ein äußerst flexibles und kostengünstiges System von automatischer und manueller Fertigung bietet Ihnen

- wettbewerbsfähige Preise
- hohe Qualität mit 100% elektrischer Prüfung und Zertifizierung auf Wunsch
- Bedruckung von Kabel und Steckern

**Senden Sie uns Ihre Anfrage.**

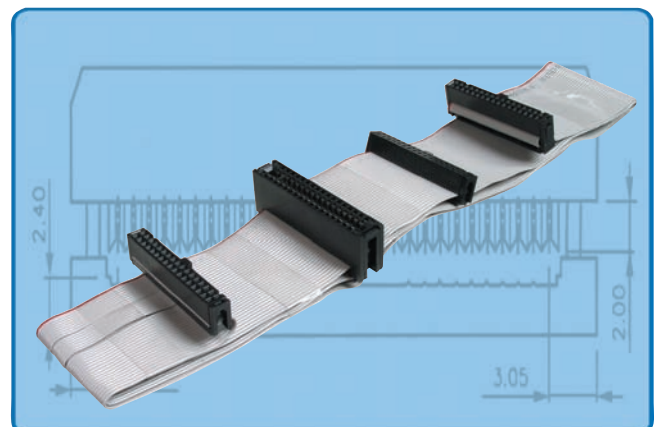
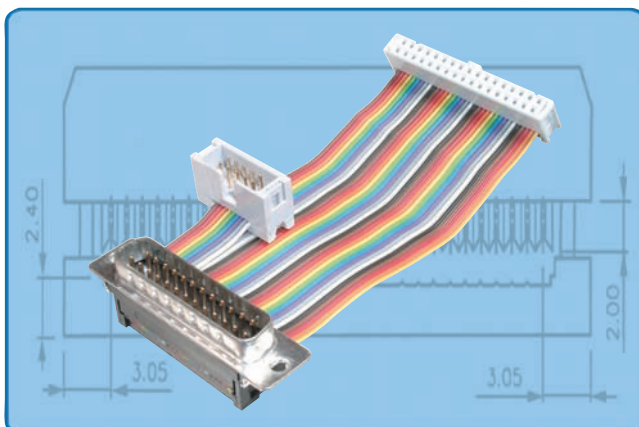
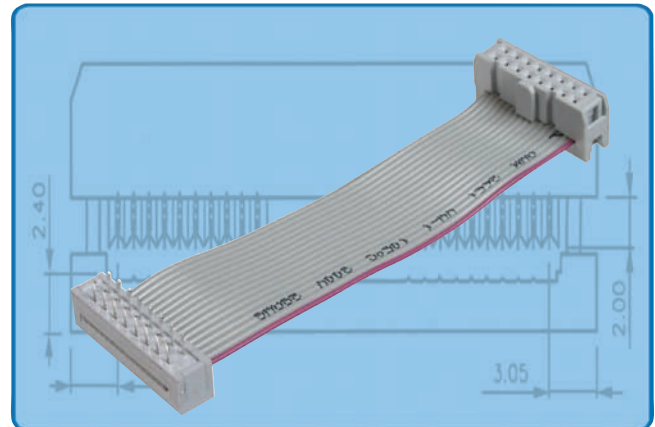
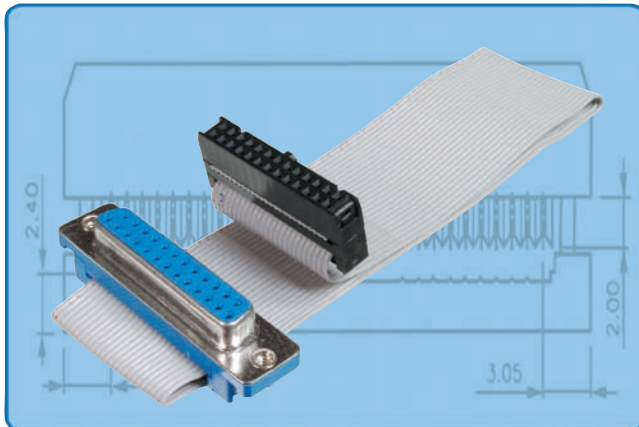
Apart from standard cables, special cables can be assembled upon request.

For flatcables we offer assemblies in any length with any number of conductors and with all kinds of connectors.

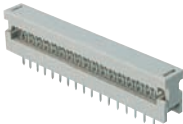
An extremely flexible and cost-effective system of automatic and manual production offers you

- competitive pricing
- high quality with 100% electrical testing and certification on request
- printing on cables and connectors

**Please send your enquiry**

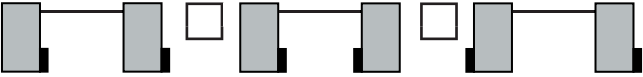
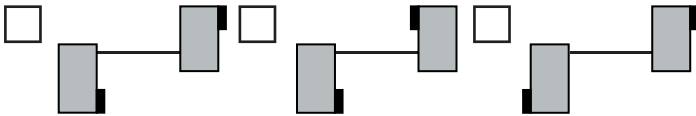




| Connector                                                                           |                    | Side            | Male                     | Female                   | Number of Contacts | Strain Relief            |
|-------------------------------------------------------------------------------------|--------------------|-----------------|--------------------------|--------------------------|--------------------|--------------------------|
|    | Female Header      | 1 <sup>st</sup> |                          |                          |                    | <input type="checkbox"/> |
|                                                                                     |                    | 2 <sup>nd</sup> |                          |                          |                    | <input type="checkbox"/> |
|    | Header low profile | 1 <sup>st</sup> |                          |                          |                    |                          |
|                                                                                     |                    | 2 <sup>nd</sup> |                          |                          |                    |                          |
|    | Header             | 1 <sup>s</sup>  |                          |                          |                    |                          |
|                                                                                     |                    | 2 <sup>nd</sup> |                          |                          |                    |                          |
|    | PCB Transition     | 1 <sup>st</sup> |                          |                          |                    |                          |
|                                                                                     |                    | 2 <sup>nd</sup> |                          |                          |                    |                          |
|   | DIP Connector      | 1 <sup>st</sup> |                          |                          |                    |                          |
|                                                                                     |                    | 2 <sup>nd</sup> |                          |                          |                    |                          |
|  | D-Sub              | 1 <sup>st</sup> | <input type="checkbox"/> | <input type="checkbox"/> |                    | <input type="checkbox"/> |
|                                                                                     |                    | 2 <sup>nd</sup> | <input type="checkbox"/> | <input type="checkbox"/> |                    | <input type="checkbox"/> |
|  | Centronics         | 1 <sup>st</sup> | <input type="checkbox"/> | <input type="checkbox"/> |                    | <input type="checkbox"/> |
|                                                                                     |                    | 2 <sup>nd</sup> | <input type="checkbox"/> | <input type="checkbox"/> |                    | <input type="checkbox"/> |

Cable :      Color :      ☐ grey      ☐ Color Coded  
Pitch :      ☐ 1mm      ☐ 1.27mm      total length : \_\_\_\_\_

Connection :    ☐ 1:1      ☐ other : \_\_\_\_\_

Orientation :    ☐   
☐ 

special winding / packing :    ☐ No      ☐ yes, see detailed description attached

other special properties :    ☐ No      ☐ yes, see detailed description attached