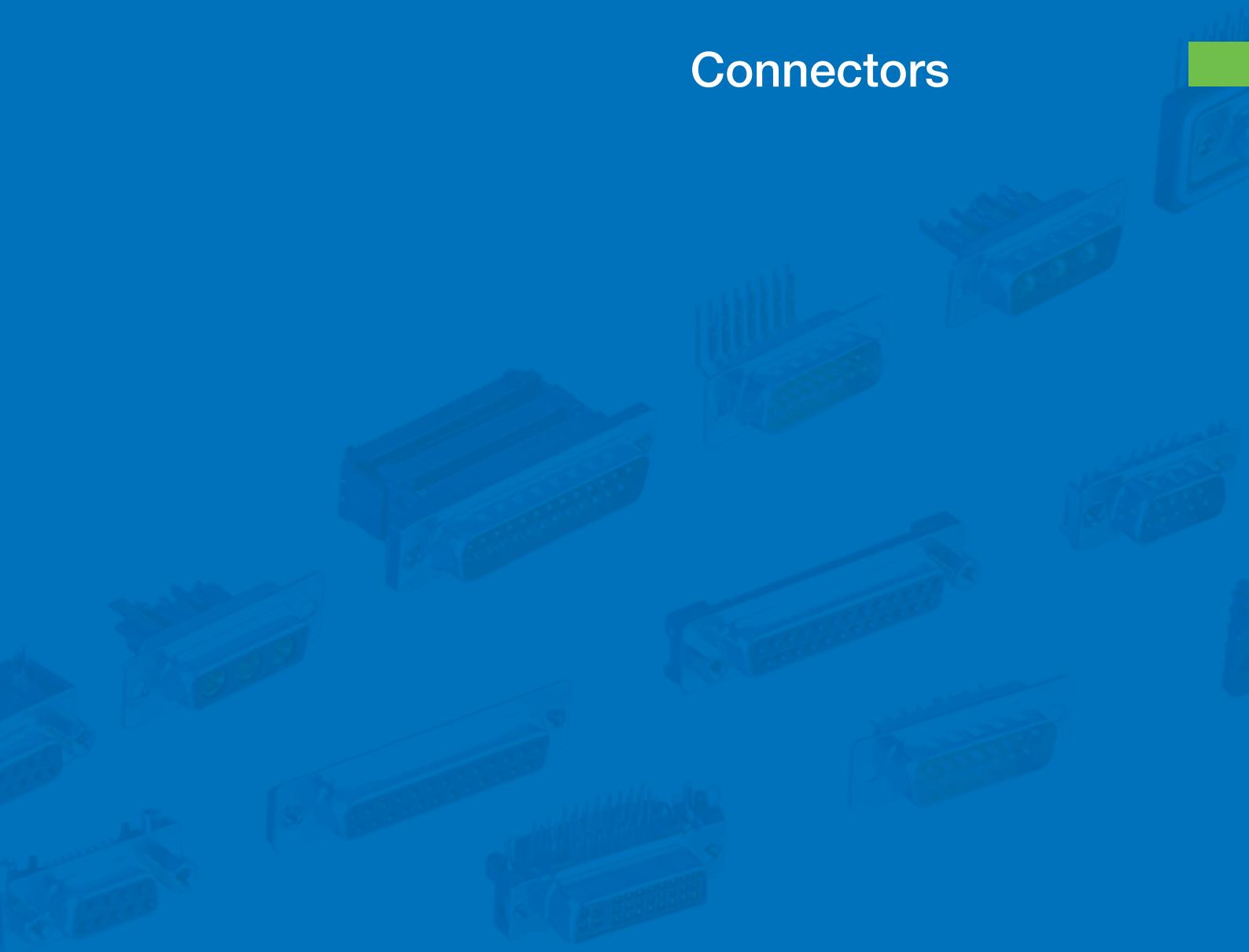
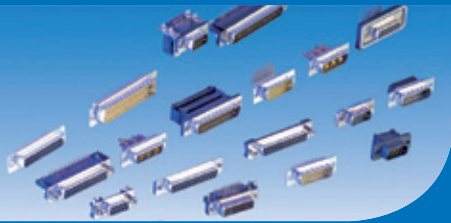


## Connectors



**ASSMANN**  
WSW components



## D-SUB connectors

Standard, High density

**Pin count:**

09/ 15/ 25/ 26/ 37/ 44/ 50/ 62

**Connection technology:**

THT, SMT, IDC, crimping, hand solder, press-fit

**Contact direction:**

180°, 90°

**Current rating:**

1A – 5A

**Plating:**

Ni, Au/ Sn (standard: Gold Flash)

**Contact base material:**

Brass, phosphor bronze

**Housing-, insulator material:**

Plastic/ steel, plastic/ plastic

**Packaging:**

Tray packing, tube packing

**Special:**

IP67 waterproof, dual-port, with clip, with glue, UNC-threads, ferrite, locking bolts, high current, low profile



## D-SUB covers incl. accessories

D-SUB universal covers, snap-in-lock covers, IDC flat cable cover, Flip-Top cover, full metal cover EMV, post cover

**Pin count:**

According to suitable D-SUB connector

**Cable exit:**

180°, 90°, 45°

**Fixation:**

Screw, snap-in, quick-lock

**Housing material:**

Plastic, plastic metallized, zinc die cast type

**Accessories:**

Dust covers, cable boot, dummy pegs, thumb screws, strain relief, gaskets, O-Rings, nuts, claws

**Packaging:**

Polybag packing

**Special:**

IP67, multiple color



## DIN 41651 IDC – “MULTIFLEX” connectors

IDC-sockets, IDC-Header with/ without mounting ear, IDC-Box header “Low Profile”, IDC-Transition connector

**Pin count:**

06/ 08/ 10/ 14/ 16/ 18/ 20/ 24/ 26/ 34/ 40/ 44/ 50/ 60/ 64

**Pitch:**

2.00mm/ 2.54mm

**Connection technology:**

IDC, THT, SMT, press-fit, THR

**Contact direction:**

180°, 90°

**Current rating:**

1A, 3A

**Plating:**

Ni, Au/ Sn (standard: Gold Flash)

**Contact base material:**

Brass, phosphor bronze

**Housing-, insulator material:**

Plastic

**Packaging:**

Tray packing, tube packing, reel packing with CAP (SMT & THR)

**Special:**

Available in grey and black



## DIN 41612 connectors

Style B, C, Q, R, B/ 2, C/ 2, Q/ 2, R/ 2

**Pin count:**

16 – 96

**Pitch:**

2.54mm

**Connection technology:**

THT, THR, press-fit

**Contact direction:**

180°, 90°

**Current rating:**

2A

**Plating:**

Quality class 3 (standard)/ quality class 1 and 2 (customer specific)/ Pd/Ni + 2µ“ Au

**Contact base material:**

Brass, phosphor bronze

**Housing-, insulator material:**

Plastic

**Packaging:**

Tray packing, reel packing

**Special:**

High temperature isolators, customer specific contact loadings, Pick & Place caps for automatic assembly, various tail length



### Modular Jacks

RJ10, RJ12, RJ45, with Keystones, "low profile", assembly-types, multi-ports, LED

<b>Pin count:</b>	02/ 04/ 06/ 08/ 10
<b>Connection technology:</b>	THT, SMT, CRIMP
<b>Contact direction:</b>	180°, 90°, 47.5°
<b>Current rating:</b>	1.5A
<b>Plating:</b>	Ni, Au/ Sn (standard: 6µ")
<b>Contact base material:</b>	Phosphor bronze
<b>Housing-, insulator material:</b>	Shell copper alloy, plastic
<b>Packaging:</b>	Tray packing, reel packing
<b>Special:</b>	With Board-locks, IP67, CAT5 – CAT7, shielded versions, cover for IP67, shield relief



### USB 2.0/ USB 3.0/ USB 3.1/ IEEE 1394 connectors

USB style A, B, B-Mini, A-Micro, B-Micro, C, assembly-types, dual port and IEEE 1394 mini, mini flat version

<b>Pin count:</b>	04/ 05/ 09/ 24
<b>Connection technology:</b>	THT, SMT
<b>Contact direction:</b>	180°, 90°
<b>Current rating:</b>	1 – 3A
<b>Plating:</b>	Ni, Au/ Sn
<b>Contact base material:</b>	Brass, phosphor bronze
<b>Housing-, insulator material:</b>	Shell steel, plastic
<b>Packaging:</b>	Tray packing, reel packing
<b>Special:</b>	IP67, USB style A and B in IP67 assembled with cable, USB 3.1 cable

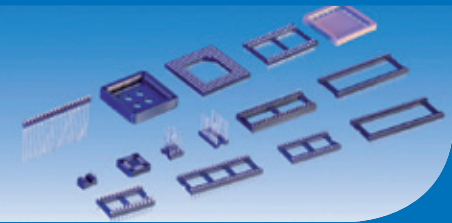


### Power supply

Power inlets/ Power outlets

<b>Pin count:</b>	02/ 03
<b>Pitch:</b>	Country specific
<b>Connection technology:</b>	THT, manual soldering
<b>Contact direction:</b>	180°, 90°
<b>Current rating:</b>	2,5A – 15A
<b>Plating:</b>	Sn
<b>Contact base material:</b>	Brass, phosphor bronze
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Polybag packing
<b>Special:</b>	Snap-In, with and without flange, 8-form, with fuse, approvals:





## Sockets

IC-socket, Adapter-socket, PGA-socket, PLCC-socket

<b>Pin count:</b>	06 – 84
<b>Pitch:</b>	2.54mm/ 1.778mm
<b>Connection technology:</b>	SMT, THT, WireWrap
<b>Contact direction:</b>	90°, 180°
<b>Current rating:</b>	1A – 3A
<b>Plating:</b>	Ni, Au/ Sn (standard: Gold Flash)
<b>Contact base material:</b>	Brass, phosphor bronze
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Tube packing
<b>Special:</b>	With stand-off, machined and stamped contacts



## Pin and female header

Pin and female header with stamped contacts, pin and female header with machined contacts

<b>Pin count:</b>	01 – 100
	Machined contacts: 2.54mm
	Stamped contacts: 1.27mm/ 2.00mm/ 2.54mm
<b>Pitch:</b>	
<b>Connection technology:</b>	THT, SMT, THR, press-fit
<b>Contact direction:</b>	180°, 90°
<b>Current rating:</b>	1A – 3A
<b>Plating:</b>	Ni, Au/ Sn (standard: Gold Flash)
<b>Contact base material:</b>	Brass, phosphor bronze
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Tray packing, tube packing, reel packing, poly bag
<b>Special:</b>	Tail length from 2.90mm to 23.00mm available, dual-body-pin headers, 4-finger contacts, double-sided spring-contacts, pick & place caps



## Jumper

Jumper, Connector-sleeves, Jumper links, Solder terminals and single contacts on metal strips

<b>Pin count:</b>	01 – 40
<b>Pitch:</b>	2.00mm/ 2.54mm
<b>Connection technology:</b>	THT
<b>Contact direction:</b>	180°
<b>Current rating:</b>	3A
<b>Plating:</b>	Ni, Au/ Ni, Sn (standard: Tin or Gold Flash)
<b>Contact base material:</b>	Brass
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Polybag packing
<b>Special:</b>	Jumper with grip-strap



## Terminal blocks

With wire protection, with fuse holder, with screw lift system, high current version, cable clamp female, screwless

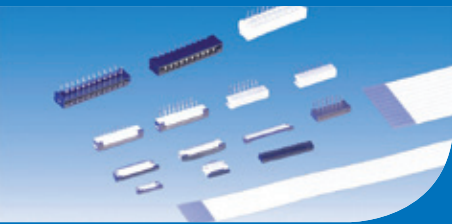
<b>Pin count:</b>	02 – 24
<b>Pitch:</b>	2.54mm/ 3.50mm/ 3.81mm/ 5.00mm/ 5.08mm/ 7.50mm/ 7.62mm/ 10.00mm/ 10.16mm
<b>Connection technology:</b>	THT, press fit
<b>Contact direction:</b>	180°, 90°, 45°
<b>Current rating:</b>	6A – 65A
<b>Plating:</b>	Ni, Sn
<b>Contact base material:</b>	Brass
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Carton box, tray packing
<b>Special:</b>	Different colors available, with and without flange, align able, covers available, press-fit, Approvals: VDE, UL



## Memory Card connectors

Memory Card connectors for MMC-, SD-, SIM- and PCMCIA cards

<b>Pin count:</b>	07/ 08/ 09/ 68
<b>Pitch:</b>	Various
<b>Connection technology:</b>	THT, SMT
<b>Contact direction:</b>	90°
<b>Current rating:</b>	0,5A – 1A
<b>Plating:</b>	Ni, Au/ Sn
<b>Contact base material:</b>	Phosphor bronze
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Tray packing, tube packing, reel packing
<b>Special:</b>	Push-pull, reverse types, with ejectors, with stand-off



## FFC-/ FPC-connectors

Low Insertion Force, Zero Insertion Force, versions with bottom side, topside, double sided contacts

<b>Pin count:</b>	02 – 65
<b>Pitch:</b>	0.30mm/ 0.50mm/ 1.00mm/ 1.25mm/ 2.54mm
<b>Connection technology:</b>	THT, SMT
<b>Contact direction:</b>	180°, 90°
<b>Current rating:</b>	0,3A – 1A
<b>Plating:</b>	Ni, Sn
<b>Contact base material:</b>	Phosphor bronze
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Tube packing, reel packing
<b>Special:</b>	One-Touch-Lock versions, with or without metal fixation



## Micro-Miniature connectors

IDC connectors with anti-twist safeguard and polarization option

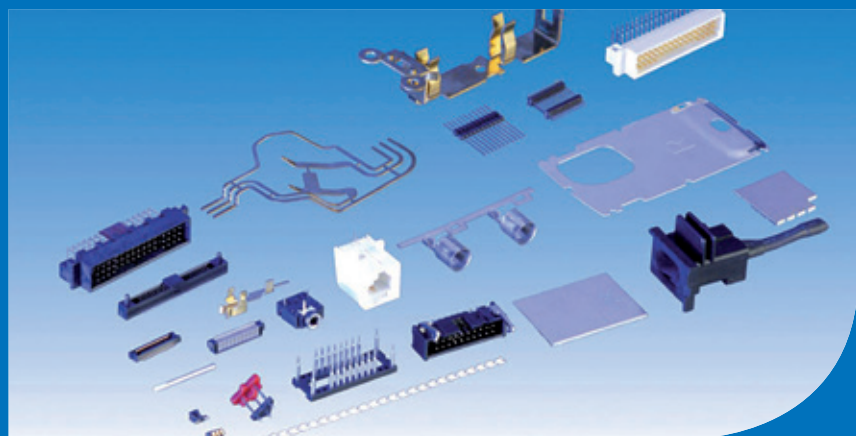
<b>Pin count:</b>	04 – 26
<b>Pitch:</b>	1.27mm
<b>Connection technology:</b>	THT, IDC, SMT
<b>Contact direction:</b>	180°, 90°
<b>Current rating:</b>	1,5A
<b>Plating:</b>	Ni, Sn
<b>Contact base material:</b>	Phosphor bronze
<b>Housing-, insulator material:</b>	Plastic
<b>Packaging:</b>	Tube packing, special reel packing
<b>Special:</b>	Anti-twist safeguard, pick & place caps



## Customized connector solutions

ASSMANN WSW group offers in addition to the broad range of standard connectors the capability to manufacture customized connector solutions. In close relation with the customers in the industrial, telecommunications and the second tier of the automotive fields, ASSMANN WSW group is designing and developing customized connector applications driven according to customer

requirements. Our project management includes feasibility studies, design proposals, drawings and, of course, first part presentation including FSIR report. Everything is provided by one partner. A partnership with ASSMANN WSW group means success from design phase to series production. The guarantee to receive a connector product corresponding to the application relevant criteria is based on the long term



experiences the ASSMANN WSW group has with the commonly developed performance of the related Asian manufacturing locations on the production of customized connectors. Short tooling times for stamp and mold tools, in line with real competitive pricing and a perfect support in the design phase are further reasons for a long term customer partnership. First and foremost ASSMANN WSW group's aim and strategy is to provide highly reliable products, short lead times, low costs: all while optimizing productivity and management of our customers' requirements from prototype to series production.

## Customer tailored connectors

Tool-based development, construction and production of customer tailored connectors

- Consulting:** Technical sales and technical product department
- Design & application:** Development and construction according to customer requirements
- Engineering:** CAD software PRO E, CATIA, AutoCAD and 3D prototypes available
- Tooling:** Tool design in Asia for stamp-, injection- and assembly-tools
- Assembly:** Manually, semi-automatic and full-automatic assembly according to quantity
- Plating:** Contact plating according to requirements, e.g. nickel, tin, gold, palladium-nickel, etc.
- Contact base material:** Base material according to requirements, e.g. CuSn, CuZn, CuFe, etc.
- Housing-, insulator material:** Insulator material according to requirements, e.g. PBT, PA, LCP, Nylon, etc.
- Packaging:** Packaging according to requirements, e.g. Tray, tube, tape & reel, ESD packing, etc.
- Manufacturing:** Production of the tools and products from longtime Asian partners with specific product know-how
- Qualification:** Tests of products with established equipment and according to worldwide approved processes
- Modifications:** Customized modification of tools for standard connectors
- Advantages:** Short lead time for tools, price advantage for the tooling costs



## Connectors

ASSMANN WSW group is well known in the industry. We offer a broad range of connectors as a standard which are mainly produced in Asia. When a different solution is needed, we offer the ability to customize a connector to meet the exact needs of our customer. We offer the latest technology while maintaining

value. Our competitive pricing enables our customer to be under budget without compromising quality.

When cost is a concern and one cent more is critical, ASSMANN WSW group works to eliminate cost prohibitive products due to "over specification". We offer application-corresponding products

based on application related needs to fight against higher prices due to excessive high product specifications. Our components cover over 90% of industrial applications. We offer excellence in quality at a low cost. This savings translates into increased profitability to customers of ASSMANN WSW group.



Connectors  
Connectors  
Connectors

**always a good  
connection!**

