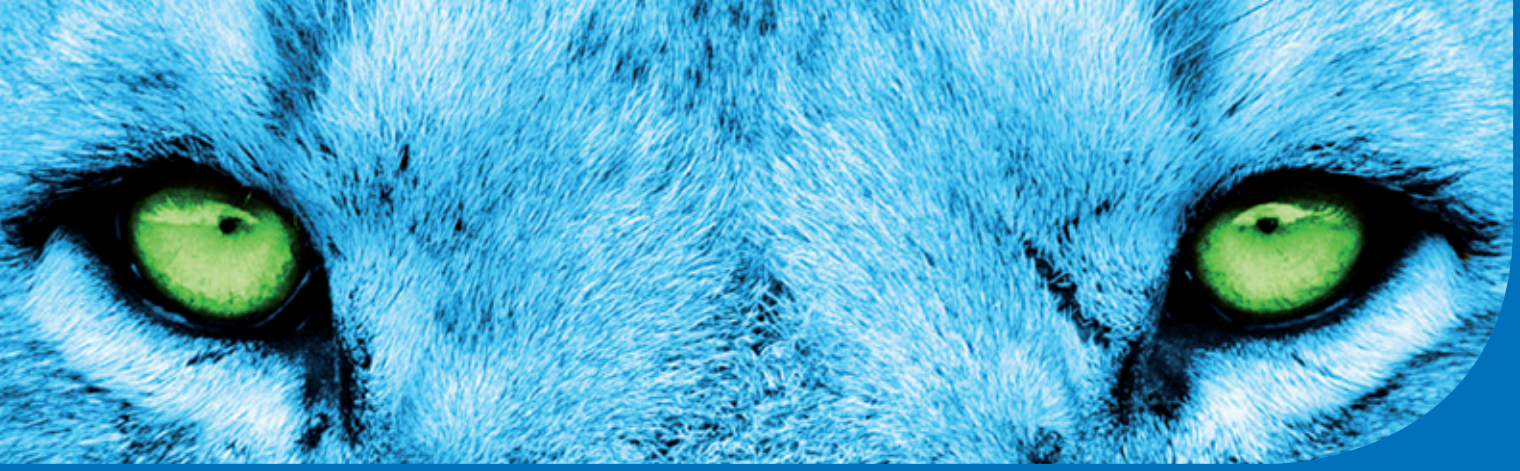
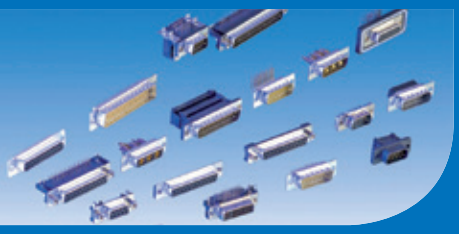


Connectors

ASSMANN WSW components

A company of BCS GROUP



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

Pin count:	02/ 04/ 06/ 08/ 10
Connection technology:	THT, SMT, CRIMP
Contact direction:	180°, 90°, 47.5°
Current rating:	1.5A
Plating:	Ni, Au/ Sn (standard: 6µ“)
Contact base material:	Phosphor bronze
Housing-, insulator material:	Shell copper alloy, plastic
Packaging:	Tray packing, reel packing
Special:	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

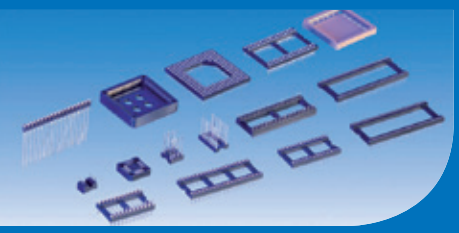
USB style A, B, B-Mini, A-Micro, B-Micro, C, assembly-types, dual port and IEEE 1394 mini, mini flat version

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

Power supply

Power inlets/ Power outlets

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



Sockets

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

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

Pin count:	01 – 100 Machined contacts: 2.54mm
Pitch:	Stamped contacts: 1.27mm/ 2.00mm/ 2.54mm
Connection technology:	THT, SMT, THR, press-fit
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, poly bag
Special:	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 sinlge contacts on metal strips

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

Terminal blocks

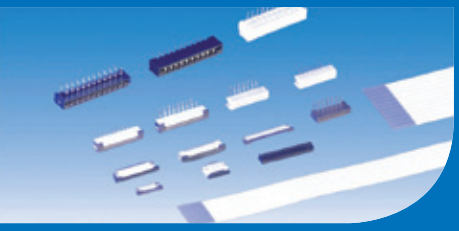
With wire protection, with fuse holder, with screw lift system, high current version, cable clamp female, screwless

Pin count:	02 – 24
Pitch:	2.54mm/ 3.50mm/ 3.81mm/ 5.00mm/ 5.08mm/ 7.50mm/ 7.62mm/ 10.00mm/ 10.16mm
Connection technology:	THT, press fit
Contact direction:	180°, 90°, 45°
Current rating:	6A – 65A
Plating:	Ni, Sn
Contact base material:	Brass
Housing-, insulator material:	Plastic
Packaging:	Carton box, tray packing
Special:	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

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

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

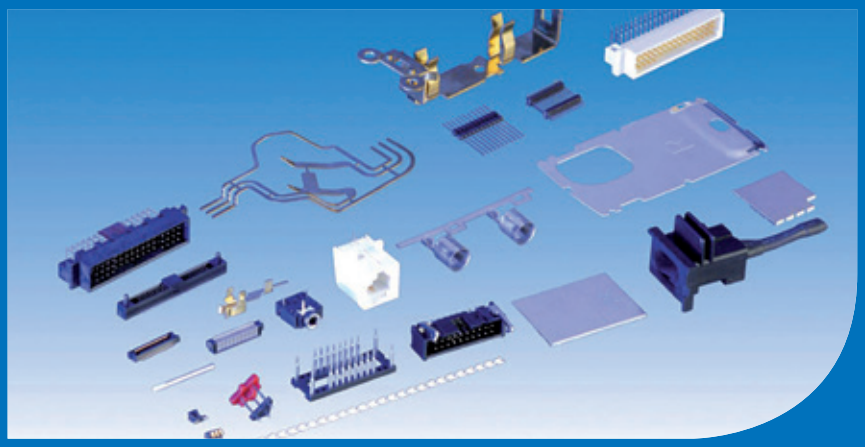
Micro-Miniature connectors

IDC connectors with anti-twist safeguard and polarization option

Pin count:	04 – 26
Pitch:	1.27mm
Connection technology:	THT, IDC, SMT
Contact direction:	180°, 90°
Current rating:	1,5A
Plating:	Ni, Sn
Contact base material:	Phosphor bronze
Housing-, insulator material:	Plastic
Packaging:	Tube packing, special reel packing
Special:	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!

ASSMANN WSW components

A company of BCS GROUP

LEADING CUSTOMIZED CONNECTIVITY SOLUTIONS

CONNECTORS | THERMAL MANAGEMENT | CABLE ASSEMBLIES | CAPABILITIES

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