

Components for the most demanding applications



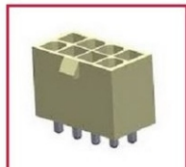
Microswitch MICROPRECISION MP720



DIP-Switches SMD



Buzzers



Crimp Connectors



Fastons, Cable Eye and Power elements



Heavy Duty Connectors and Components



MOGO Connectors



Tact Switch



Antivandal buttons



Rotary Switches



Connectors Industrial



RF Coaxial Connector SMA Female/Jack PCB Mount



Encoder



Military connectors



Slot connectors



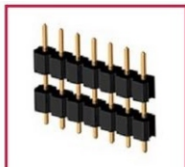
Connectors for Card



Cable Plug-in Terminal Blocks



DIN and HM Connectors



Pin Header RM 1,27mm



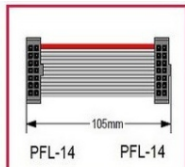
Female Header RM 2,00 mm



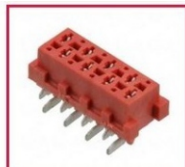
Box Header



Connectors for Flat Cables to Cable



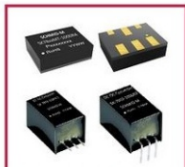
Flat Cables with IDC Connectors



Micro-Match Connectors



DC/DC converters



Non-Isolated DC/DC



Transformers



Batteries



Capacitor Snap-in



Ferrite EMI FLEX Cables



Axial Ferrite Cores



Absorbers Cavity Resonance - FOAM



EMC Fingerstock CLIP-ON



Fuses and circuit breakers



Chemie a nářadí

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You can find many of our products on our e-shop:

www.atd-shop.com

**e-shop is connected to company system
and shows the current stock status.**

Dear customers / partners,

let me say a few words about the background of ATD Elektronik s.r.o. Our company was established in 1994 by Mr. Erwin Schmid from Tegernheim, Germany. He is still actively taking part in business. In the meantime, he has learned Czech for practical business reasons and he is constantly interested in what is happening in the Czech Republic.

Since its establishment, our company has been engaged in the supply of electronic components. During its existence, it established serious business relationships with both customers and suppliers. Leading and long-term suppliers and manufacturers include Laird, EPT, Schmid-M, AB Chimie, MediKabel, Patron, Deltron, OSSI, ELBAG, IteCond, Laird Thermal, LEMO, Microprecision, STOCKO, Myrra, RF Immunity, Sonitron, TDK, ZPAS and others.

We appreciate the trust of customers and the support of manufacturers. It helps us to promote and sell connectors, DC/DC converters, power supplies, electromagnetic shielding, encoders and switches, thermal management solutions, ferrites and other passive as well as electromechanical components.

Thanks to the supplier's expertise, we can offer technical support to our customers, suggesting equivalents and alternatives in case of allocations or long delivery times.

A small family business brings flexibility, which we consider our advantage. Each customer is treated with care and each lead is followed in detail, taking delivery times in consideration. If agreed, we keep safety stock to ensure prompt deliveries of framework orders.

Stocking the components in a new warehouse in a controlled environment enables us to ensure the desired quality of components. We can provide our customers with logs of temperature courses over a period of time.

To improve our services, we launched a new e-shop, which is connected to ERP, showing current stock quantities. Working at an e-shop is a never-ending job. New items and technical information are added constantly. I hope you will continue to be satisfied with our service.

On behalf of ATD team,

Ing Petr Jankovec - CEO



D-SUB



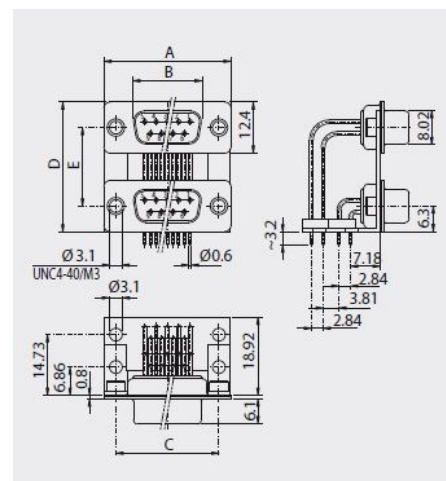
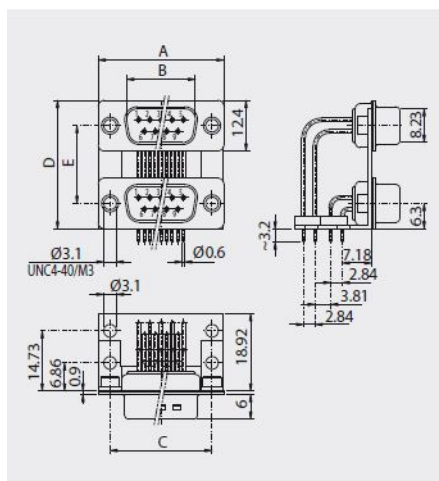
D-Sub Connectors
D-Sub Hoods
I/O Connectors
Bus Connectors

Deltron offers a wide range of different connectors, electronic- and electromechanical components.

D-Sub Connectors



Dual Port



Polzahl	A	B	C
No. of pos.			
09	30.80	16.79	25.00
15	39.20	25.12	33.30
25	53.10	38.84	47.04
37	69.50	55.30	63.50
50	Auf Anfrage / on request		

Polzahl	A	B	C
No. of pos.			
09	30.80	16.46	25.00
15	39.20	24.79	33.30
25	53.10	38.50	47.04
37	69.50	54.96	63.50
50	Auf Anfrage / on request		

Push-pull Connectors



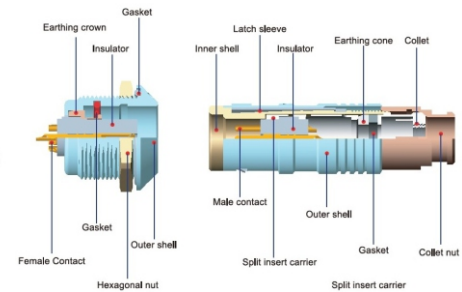
www.atd-shop.com

Series K - Outdoor keyed



MAIN FEATURES:

1. Security of the push –pull self-latching system
2. Multipole types 2 to 26 contacts
3. Solder or PCB contacts (straight or elbow)
4. High Packing density for space saving
5. Multiple key options to avoid cross mating of similar connectors
6. Keying system (G key standard) for connector alignment
7. 360° screening for full EMC shielding
8. Rugged housing for extreme working conditions
9. IP Rating: IP66-68



Housing Models

T1 Plug

Series: 0K, 1K, 2K, 3K

T3 Plug

0K, 1K

Z1 Socket

0K, 1K, 2K, 3K

Z3 Socket

0K, 1K, 2K, 3K

Z4 Socket

0K, 1K, 2K, 3K

Z7 Socket

0K, 1K, 2K, 3K

Z13 Socket

0K, 1K, 2K



Series S - indoor stepped insert keyed

T1 plug

Series: 0S, 1S

Z1 Socket

0S, 1S

Z2 Socket

0S, 1S

Z4 socket

0S, 1S

Z11 socket

0S, 1S

Z12 socket



Series P - Outdoor keyed



MAIN FEATURES:

1. Security of the push –pull self-latching system
2. Multipole types 2 to 26 contacts
3. Light weight and small volume. The newly developed 0P series (M10) is smaller than the standard 1p series.
4. High Packing density for space saving
5. Solder or PCB contacts (straight or elbow)
6. The tail nut and socket round nut are distinguished by color to prevent misinsertion;
7. Multiple key positions are selected to avoid mixed insertion between similar connectors;
8. UL Listed (E486290).

Housing Models

T1 Plug staight

Series: 0P, 1P, 2P

T2 Plug

1P



NUT COLOR:

Code Color	N	G	A	R	J	G	B
Collet/Nut	Black	Grey	Blue	Red	Yellow	Green	White

T1 Plug staight

Series: 1P

T4 Plug

1P

Z2 Socket

0P, 1P, 2P

Z2 Socket -elbow

0P, 1P, 2P

Z3 Socket

1P

Z4 Socket

1P

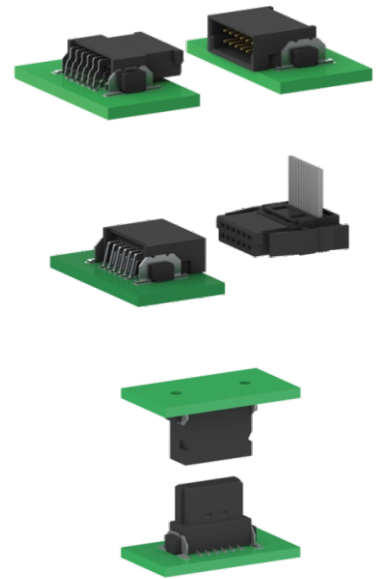
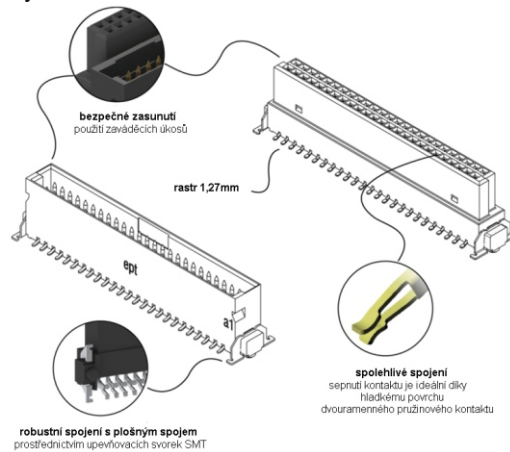


www.atd-elektronik.cz/moco.htm

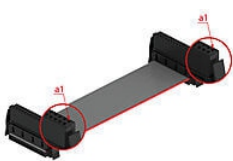
One27 Zero8

One27 ● ● ●

- Max. 1,4 A at 20°C (50-pole) tested compatibility
- number of contacts: 12 to 80
- maximum reliable contact
- various connection options
- packed in Tape & Reel
- 500 insertion cycles



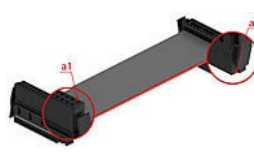
Version 120
404-61NN-LLL-120-1



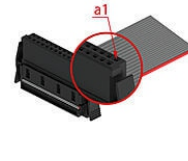
Version 420
404-61NN-LLL-420-1



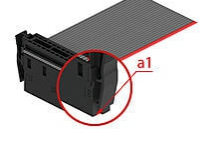
Version 420
404-61NN-LLL-420-1



Version 100
404-61NN-LLL-100-1



Version 400
404-61NN-LLL-100-1

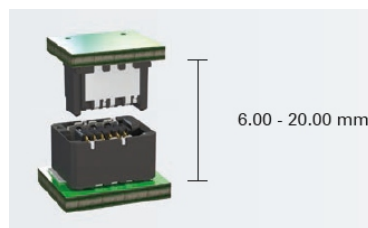


Zero8 ● ● ●

- Connector Zero 8 with 0,8 mm pitch
- Max. 1,7 A at 20°C (50-pole)
- number of contacts: 12,20,32,52,80
- maximum reliable contact
- various connection options
- packed in Tape & Reel
- 500 insertion cycles

PCB distance (min. - max.)	6.00 - 7.50 mm	7.50 - 9.00 mm	9.00 - 10.50 mm	10.50 - 12.00 mm	12.00 - 20.00 mm
Plug height	low-profile 1.15 mm (coming soon)	mid-profile 2.65 mm (see page 22)	low-profile 1.15 mm (coming soon)	mid-profile 2.65 mm (see page 22)	high-profile (coming soon)
Socket height	low-profile 4.85 mm (coming soon)	low-profile 4.85 mm (coming soon)	mid-profile 7.85 mm (see page 20)	mid-profile 7.85 mm (see page 20)	high-profile (coming soon)

Type of Zero8 connector	Height	Number of pins	Mating configuration			Page
	4.85 mm	12 ... 80	✓		✓	Coming soon
	7.85 mm	12 ... 80	✓		✓	20
	1.15 mm	12 ... 80	✓		✓	Coming soon
	2.65 mm	12 ... 80	✓		✓	22
		12 ... 80		✓	✓	Coming soon
		12 ... 80		✓	✓	Coming soon

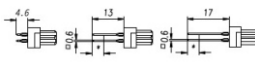


Connectors DIN 41612/IEC 60603-2

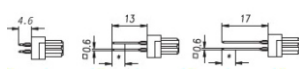
Typ B, B/2, B/3, C, C/2

Production in Germany and the Czech Republic

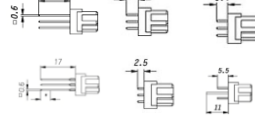
B - male, female



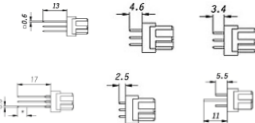
B/2-3 - male, female



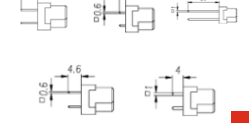
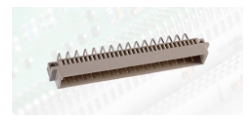
C - male, female



C/2-3 - male, female

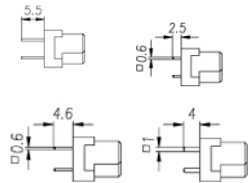
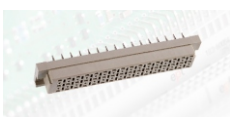


D - male, female

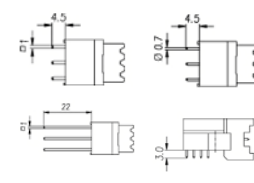


Typ D, E, H7/F24

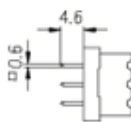
E - male, female



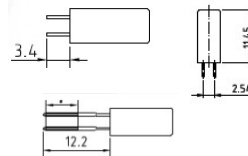
H7/F24 - male, female



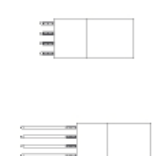
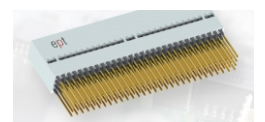
H7/F24 - low profile



PC/104-female

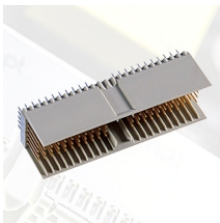


PC/104-Plus

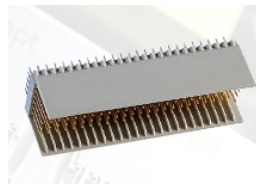


HM 2.0 - IEC 61076-4-101

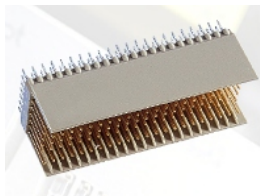
typ A



typ B25



typ B22



typ B19



typ AB25



typ AB22



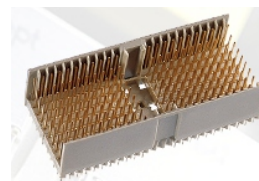
typ AB19



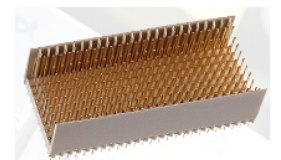
typ C



typ D



typ E



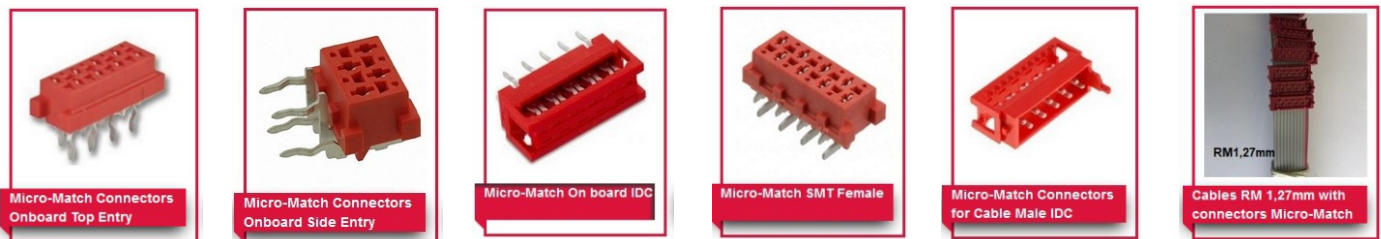
RJ Connectors

www.atd-shop.com/qx241/konektory-rj



Micro-Match board-cable connectors

www.atd-shop.com/qx22P-en/micro-match-connectors



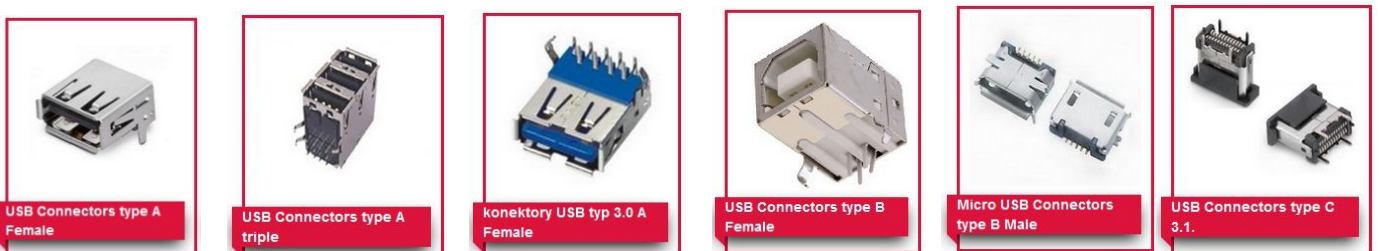
Connectors M12

www.atd-shop.com/qx2386-en/connectors-m12



Connectors USB

www.atd-shop.com/qx242/konektory-usb-a-ieee-1394



Let us know what connectors you buy and we will offer you the equivalent from our range.

BtB / Crimp connectors, Box Header

We can offer the best price on the market.



Industrial connectors

www.atd-shop.com/qx238-en/connectors-industrial



Military connectors

HDMI Connectors



FFC connectors

Slot

Audio Connectors

Pogo Pin



Press-Fit Elements

	PRESS-FIT RA-FPU 1. 08. 2018 PCB Connection for fixing cable lugs d-5,2mm-10,2mm		PRESS-FIT IT-FP 31. 07. 2018 The cable and fuse can be fixed on PCB.
	PRESS-FIT RA-FPB 1. 08. 2018 PCB Connection for fixing cable lugs M3-M10, d-3,2mm-10,2mm		PRESS-FIT IT-C2 31. 07. 2018 The cable and fuse can be fixed on PCB.
	PRESS-FIT RA-TRB 1. 08. 2018 PCB Connection for fixing cable lugs M3-M10, d-3,2mm-10,2mm		PRESS-FIT IT-C 31. 07. 2018 The cable and fuse can be fixed on PCB.
	PRESS-FIT RA-TRA 1. 08. 2018 PCB Connection for fixing cable lugs M3-M8, d-3,2mm-8,2mm		PRESS-FIT IT-TRB 31. 07. 2018 The cable and fuse can be fixed on PCB.
	PRESS-FIT ET-FP 31. 07. 2018 The cable and fuse can be fixed on PCB.		PRESS-FIT IT-TRT 31. 07. 2018 The cable and fuse can be fixed on PCB.

SMD Elements

	Surface-Mount Device SMD-RAP 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.		Surface-Mount Device SMD-FT 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.
	Surface-Mount Device SMD-RA 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.		Surface-Mount Device SMD-IBTP 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.
	Surface-Mount Device SMD-FTT 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.		Surface-Mount Device SMD-IBT 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.
	Surface-Mount Device SMD-ITT 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.		Surface-Mount Device SMD-ETP 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.
	Surface-Mount Device SMD-FTP 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.		Surface-Mount Device SMD-ET 3. 08. 2018 For soldering in SMT, Blistered for fully automated assembly.

Two Piece Power Elements

	PRESS-FIT TWO PART-TP-SERE Two-Part, Male Thread.		PRESS-FIT TWO PART-TP-SERI Two-Part, Female Thread.
	PRESS-FIT TWO PART-TP-SESH Two-Part, Female Through-Hole.		PRESS-FIT TWO PART-TP-GECE Two-Part, Base-Part, Two-Row-Pin population.
	PRESS-FIT TWO PART-TP-SESI Two-Part, Male Thread.		PRESS-FIT TWO PART-TP-GET Two-Part, Base-Part, Two-Row-Pin population.

THR Elements

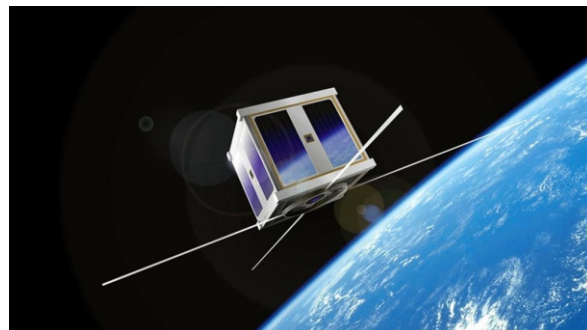
	THROUGH-HOLE REFLOW THR-EH Solderable high current Wire-to-Board connections with a focus on automated assembly
	THROUGH-HOLE REFLOW THR-IBT Solderable high current Wire-to-Board connections with a focus on automated assembly
	THROUGH-HOLE REFLOW THR-IHT Solderable high current Wire-to-Board connections with a focus on automated assembly

Crimp Contacts

www.atd-shop.com/qx232-en/fastons-cable-eye-and-power-elements

Schmid-M connectors point higher

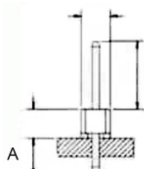
Schmid-M connectors will be part of the space project. The goal is to create a prototype of a pressure measuring device and test the functionality of this technology in space. It is a nanosatellite called Cubesat, about size 10x10x10 cm. The project will test pressure sensors in open space conditions. These sensors must meet very demanding requirements and uses 5 connectors from Schmid-M.



We adjust to your requirements

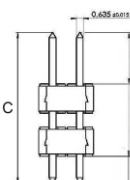
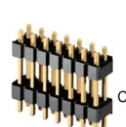
Write us what dimensions you need and we will offer you the type you require.

Pin Header Single Row Single Insulator Straight



- SM C02 1804 XX SMD F - 1,00 mm
- SM C02 1274 XX FS - 1,27 mm
- SM C02 6200 XX FS - 2,00 mm
- SM C02 2200 XX FS - 2,54 mm

Pin Header Dual Row Dual Insulator Straight



- SM C02 1804 XX SMD F - 1,00 mm
- SM C02 1274 XX FS - 1,27 mm
- SM C02 6200 XX FS - 2,00 mm
- SM C02 2200 XX FS - 2,54 mm

Headers SM C02 _____

- 1274 XX BR - 1,27 mm
- 6200 XX BR - 2,00 mm
- 2200 XX BR - 2,54 mm

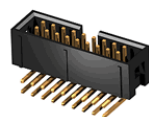
- 1804 XX SMD - 1,00 mm
- 1274 XX FD - 1,27 mm
- 6200 XX FD - 2,00 mm
- 2200 XX FD - 2,54 mm

- 3506 XX R - 1,27 mm
- 9510 XX R - 2,00 mm
- 3510 XX R - 2,54 mm

- 6230 XX CS - 2,00 mm
- 1896 XX BS - 2,54 mm

- 1801 XX SMD - 1,00 mm
- 1271 XX BD - 1,27 mm
- 6200 XX BD - 2,00 mm
- 2200 XX BD - 2,54 mm

- 1170 XX AD - 1,27 mm
- 6100 XX AD - 2,00 mm
- 2100 XX AD - 2,54 mm



- 4832 XX S - 1,27 mm
- 6801 XX S - 2,00 mm
- 2826 XX S - 2,54 mm

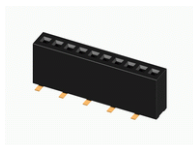
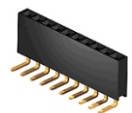
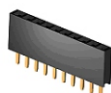
- 4832 XX R - 1,27 mm
- 6801 XX R - 2,00 mm
- 2826 XX R - 2,54 mm

- 4832 XX A SMD - 1,27 mm
- 6801 XX A SMD - 2,00 mm
- 2826 XX A SMD - 2,54 mm

- 4828 XX S - 1,27 mm
- 6801 XX BD - 2,00 mm
- 2826 XX BS - 2,54 mm

- 1170 XX ED - 1,27 mm
- 6100 XX ED - 2,00 mm
- 2100 XX ED - 2,54 mm

- 1170 XX AR - 1,27 mm
- 6100 XX AR - 2,00 mm
- 2100 XX AR - 2,54 mm



- 4828 XX BR - 1,27 mm
- 6801 XX BR - 2,00 mm
- 2826 XX BR - 2,54 mm

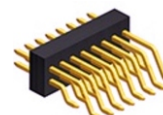
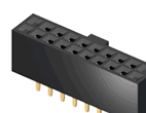
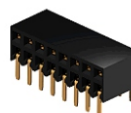
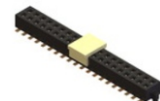
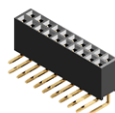
- 5812 XX SMD - 1,00 mm
- 4828 XX SMD - 1,27 mm
- 6801 XX SMD - 2,00 mm
- 2826 XX SMD - 2,54 mm

- 2813 XX B Single Row - 2,54 mm
- 2813 XX A Dual Row - 2,54 mm

- 2809 XX S - 1,27 mm
- 2810 XX S - 2,00 mm
- 2811 XX S - 2,54 mm

- 1276 XX D - 1,27 mm
- 6201 XX D - 2,00 mm
- 2105 XX D - 2,54 mm

- 1801 XX BS - 1,00 mm
- 1271 XX BS - 1,27 mm
- 6200 XX BS - 2,00 mm
- 2200 XX BS - 2,54 mm



RF Connectors, Cables, Antennas

Our company has over 25 years of experience in the sale of high-frequency connectors. If you have problems with the delivery of a specific type, we will be happy to offer you an equivalent type.



We can offer the best prices for HF connectors.

SMA-5113 SMA-5102 SMA-5202 SMA-1249 SMA-5201 SMA-5203 SMA-5204 SMA-52058 SMA-5205 SMA-5214 SMA-5223



SMB-5203 SMB-5204 SMB-5206 SMB-5102 SMB-5204 SMB75-5201 SMB-5205 MCX-5111 MCX-5203 MCX-5205 MCX-5206



WIFI ANTENNA

SM-AN2400TFB5 SM-AN2400TFB5 SM-AN2400TFB5 SM-AN2400TFB5 SM-AN2400TFB5 SM-AN0819ITF10 SM-AN0701



WLAN & WIFI ANTENNA

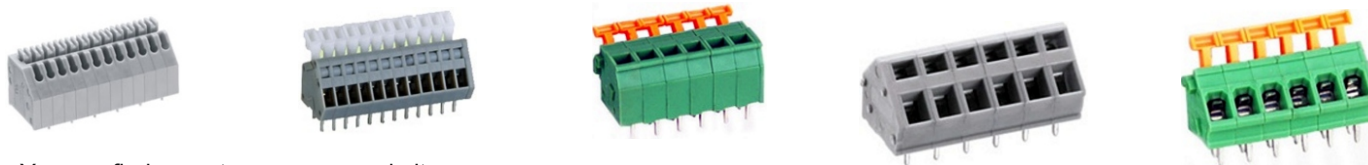
Terminal block

PCB Terminal Block

SM C09 12419 XX SS4 SM C09 13514 XX RS4 SM C09 135381 XX SS4-B SM C09 1507 XX SS4 SM C09 11532 XX SS4-W



SM C09 3252 XX SC1Y SM C09 3258 XX SC1 SM C09 35012 XX SC4 SM C09 35014 XX VC1 SM C09 35013 XX VC4
 SM C09 3502 XX SC1Y SM C09 3248 XX SC1 SM C09 35812 XX SC4 SM C09 35814 XX VC4 SM C09 35813 XX VC4



You can find more types on our website:
<https://www.atd-elektronik.cz/svorkovnice-do-desky-plosnych-spoju.html>
<https://www.atd-shop.com/qx291-en/pcb-terminal-block>

Pluggable Terminal Block

SM C09 0YY3 SOC SM C09 0YY2 ROC

Pitch: YY: 25=2,50 mm; 35=3,50 mm; 38=3,81 mm; 39=3,96 mm
 50=5,00 mm; 58=5,08 mm; 75=7,50 mm; 76=7,62 mm



SM C09 0YY5 YOC SM C09 0YY7 YOC SM C09 0YY8 SSC SM C09 0YY2 RNC SM C09 0YY2 RSC



SM C09 0YY6 YSC SM C09 0YY2 RNC SM C09 0YY1 COC SM C09 0YY1 CSC SM C09 0YY2 ROC



SM C09 0YY5 YOC SM C09 0YY7 YOC SM C09 0YY8 SOC SM C09 0YYV RSC SM C09 0YY9 SSC



SM C09 0YY9 SOC SM C09 0YY14 YOC SM C09 0YY13 WSC SM C09 0YY3 SNC SM C09 0YY3 SSC



<https://www.atd-shop.com/qx294-en/cable-plug-in-terminal-blocks>

www.atd-elektronik.cz

SMTB Series

Multilayer Ferrite Chip Beads



SMTB 060303 (0201) (0,3-0,15A)
SMTB 100505 (0402) (0,5-0,05A)
SMTB 160808 (0606) (0,4-0,05A)
SMTB 201209 (0805) (0,3-0,2A)
SMTB 321611 (1206) (0,8-0,2A)

SHTB Series

Multilayer Ferrite Chip Beads



SHTB 100505 (0402) (1-1,3A)
SHTB 160808 (1608) (3-1A)
SHTB 201209 (0805) (3-1A)
SHTB 321611 (1206) (3-1A)

SKTB Series

Multilayer Ferrite Chip Beads



SKTB 201209 (0808) (6-4A)
SKTB 321611 (1206) (6-4A)

SMCA Series

Multilayer Ferrite Chip Beads



SMCA 100505 (0402) (0,2-0,3A)
SMCA 160808A (0603) (0,3-0,05A)

SMBA Series

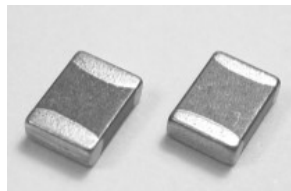
Bead Array



SMBA 321608 (1206) (0,15-0,05A)

SMTI Series

Multilayer Chip Inductors



SMTI 1608 (0603)
SMTI 2012 (0805)
SMTI 3216 (1206)

SHTI Series

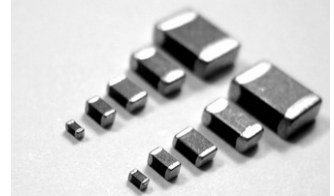
Multilayer Ceramic Inductors



SHTI 1050 (0402)
SHTI 1608 (0603)

SMCI Series

Multilayer Ferrite High Current



SMCI 2012 (0805)
SMCI 2016 (0806)
SMCI 2520 (1008)

SPTI Series

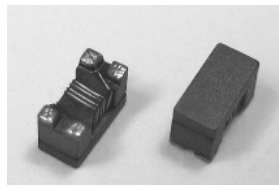
Thin Film Chip Inductors



SMTB 060303 (0201) (0,3-0,15A)
SMTB 100505 (0402) (0,5-0,05A)
SMTB 160808 (0606) (0,4-0,05A)
SMTB 201209 (0805) (0,3-0,2A)
SMTB 321611 (1206) (0,8-0,2A)

SPWC Series

SMD Common Mode Choke



SHTB 100505 (0402) (1-1,3A)
SHTB 160808 (1608) (3-1A)
SHTB 201209 (0805) (3-1A)
SHTB 321611 (1206) (3-1A)

SWTI Series

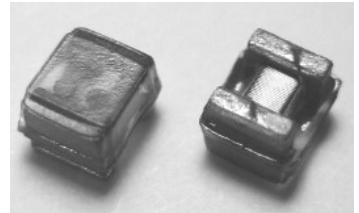
Wire Wound Chip Inductors



SKTB 201209 (0808) (6-4A)
SKTB 321611 (1206) (6-4A)

SWUI Series

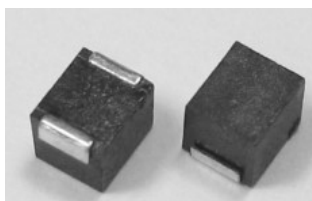
Wire Wound Ferrite Inductor



SMCA 100505 (0402) (0,2-0,3A)
SMCA 160808A (0603) (0,3-0,05A)

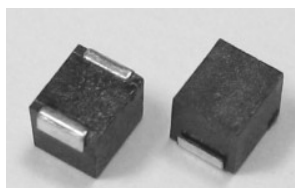
SWFI Series

Wire Wound Inductors (Ferrite)



SWGFI Series

W.W. I. (Ferrite High Current)



SPK Series

Radial THT inductors

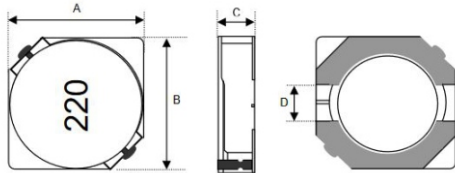
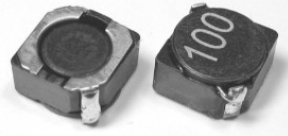


SEC Series

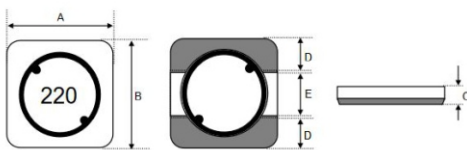
Axial THT Inductors



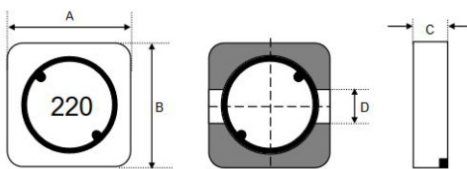
SPRD Series



SPRD3018	3,8x3,8x1,65mm	1,5~100μH	1,75~0,25A Irms
SPRD3027	3,8x3,8x2,8mm	4,7~220μH	2,0~0,38A Irms
SPRD3028	3,8x3,8x2,8mm	3,3~100μH	1,95~0,48A Irms
SPRD4011	4,80x4,80x1,15mm	0,47~150μH	3,20~0,25A Irms
SPRD4018	4,80x4,80x1,80mm	1,0~100μH	2,70~0,40A Irms
SPRD4022	4,80x4,80x2,20mm	1,5~150μH	3,50~0,45A Irms
SPRD4028	4,80x4,80x2,80mm	1,2~560μH	3,10~0,22A Irms
SPRD5018	5,80x5,80x1,80mm	1,2~220μH	3,00~0,13A Irms
SPRD5028	5,80x5,80x2,80mm	2,6~680μH	3,00~0,13A Irms
SPRD6022	6,80x6,80x2,30mm	0,9~1000μH	4,80~0,16A Irms
SPRD6028	6,80x6,80x2,80mm	2,5~1000μH	2,80~0,15A Irms

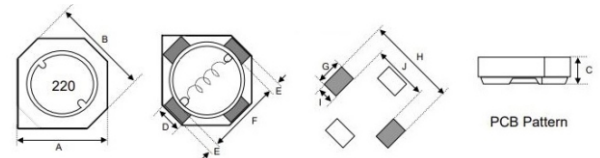


SPRD0318	3,8x3,8x2,0mm	1,0~220μH	2,40~0,13A
SPRD0418	4,7x4,7x2,0mm	1,0~220μH	1,72~0,13A
SPRD0422	4,7x4,7x2,4mm	1,5~150μH	2,00~0,21A
SPRD0403	4,7x4,7x3,0mm	1,2~220μH	2,56~0,2A
SPRD0518	5,7x5,7x3,0mm	2,2~470μH	2,30~0,18A
SPRD0503	5,7x5,7x3,0mm	2,2~680μH	2,60~0,18A
SPRD0603	6,7x6,7x3,0mm	1,0~330μH	6,15~0,35A
SPRD0604	6,7x6,7x4,0mm	1,0~330μH	5,60~0,39A

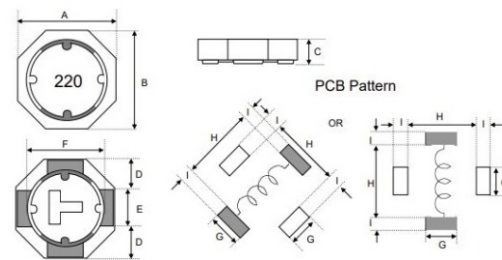


SPRD4010	3,8x3,8x1,25mm	1,00~180μH	1,60~0,11A
SPRD4020	3,8x3,8x2,00mm	0,47~1800μH	1,84~0,036A
SPRD4030	3,8x3,8x3,0mm	1,50~560μH	1,90~0,09A
SPRD5010	5,0x5,0x1,20mm	1,20~1000μH	1,77~0,067A
SPRD5020	5,0x5,0x2,0mm	1,00~820μH	2,70~0,12A
SPRD5030	5,0x5,0x3,0mm	1,00~2500μH	4,00~0,045A
SPRD6915	6,9x6,9x1,50mm	1,00~820μH	3,28~0,10A
SPRD6919	6,9x6,9x1,90mm	1,00~1500μH	3,52~0,095A
SPRD7040	7,3x7,3x4,3mm	0,36~1000μH	9,24~0,18A

SSPU Series



SSPU3009	3,30x3,50x0,95mm	1,3~22μH	1,00~0,22A (Irms)
SSPU3011	3,30x3,50x1,10mm	1,5~10μH	1,10~0,40A (Irms)
SSPU3014	3,30x3,50x1,40mm	1,2~22μH	1,85~0,32A (Irms)
SSPU3017	3,30x3,50x1,80mm	2,2~47μH	1,70~0,36A (Irms)
SSPU3018	3,30x3,50x1,80mm	1,5~15μH	1,65~0,50A (Irms)
SSPU3028	3,30x3,50x2,80mm	10~100μH	0,72~0,19A (Irms)



SSPU5011	5,20x5,20x1,10mm	1,5~100μH	1,80~0,20A (Irms)
SSPU5016	5,20x5,20x1,60mm	1,8~100μH	1,75~0,30A (Irms)
SSPU5018	5,20x5,20x1,80mm	1,0~100μH	2,80~0,32A (Irms)
SSPU5028	5,20x5,20x2,80mm	1,2~100μH	3,50~0,47A (Irms)

SSPU8030	8,00x8,00x2,80mm	3,3~100μH	5,00~0,85A (Irms)
SSPU8040	8,00x8,00x3,80mm	3,3~150μH	6,00~0,90A (Irms)
SSPU8045	8,00x8,00x4,50mm	3,5~100μH	5,00~1,00A (Irms)
SSPU8058	8,00x8,00x5,80mm	3,9~100μH	6,50~1,70A (Irms)
SSPU1030	10,0x10,0x2,80mm	3,5~150μH	5,00~0,85A (Irms)
SSPU1040	10,0x10,0x4,8mm	3,8~330μH	6,60~0,62A (Irms)
SSPU1050	10,0x10,0x4,8mm	4,7~1000μH	5,20~0,47A (Irms)
SSPU1065	10,0x10,0x6,6mm	2,8~100μH	6,50~1,80A (Irms)

SSPU8030	8,00x8,00x3,00mm	1,0~100μH	6,50~0,75A
SSPU8040	8,00x8,00x4,00mm	1,8~100μH	7,00~1,05A
SSPU8045	8,00x8,00x4,5mm	1,0~100μH	9,00~1,30A



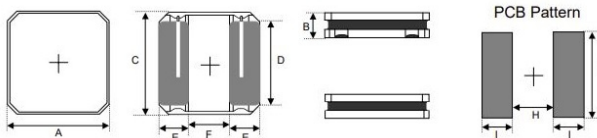
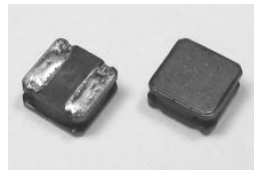
SSPU0302	3,85x3,85x2,0mm	0,47~1800μH	1,84~0,036A
SSPU0303	3,85x3,85x3,0mm	1,0~3300μH	1,9~0,026A
SSPU0415	3,85x3,85x1,5mm	1,0~100μH	1,50~0,100A
SSPU0502	5,30x5,30x2,0mm	0,47~820μH	2,33~0,120A
SSPU0503	5,30x5,30x3,0mm	0,47~2500μH	4,82~0,045A
SSPU0603	5,90x5,90x3,0mm	1,00~3300μH	4,70~0,078A

SMD Power Inductors

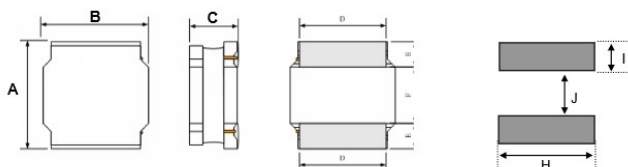


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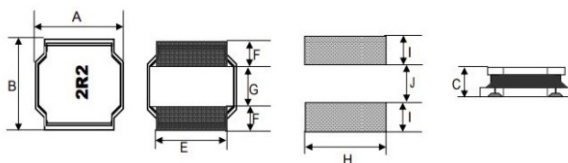
SSDB Series



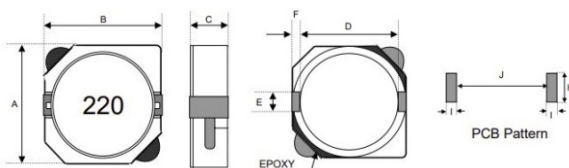
SSDB3010	3,00x1,00x3,00mm	1.0~47μH	1.525~0.270A (I _{rms})
SSDB3015	3,00x1,50x3,00mm	1.0~100μH	2.100~0.250A (I _{rms})



SSDB0418T	4,00x4,00x1,80mm	1.00~100μH	2.000~0.250A (I _{rms})
SSDB0430T	4,00x4,00x3,00mm	1.00~120μH	2.000~0.170A (I _{rms})

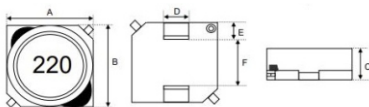


SSDB0520T	5,00x5,00x2,1mm	0.47~100μH	6.15 ~ 0.53A
SSDB0540T	5,00x5,00x4,2mm	1.00~1000μH	7.35 ~ 0.21A



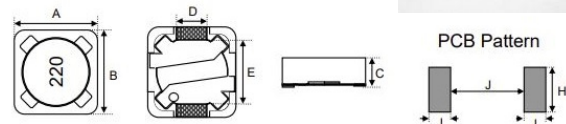
SSDB5D28	6,2x6,3x3,0mm	1.00~100μH	2.900~0.400A
SSDB1003	10,3x10,4x3,1mm	0.56~1000μH	6.200~0.230A
SSDB1004	10,3x10,4x4,0mm	0.56~1000μH	10.000~0.320A

SSPS Series

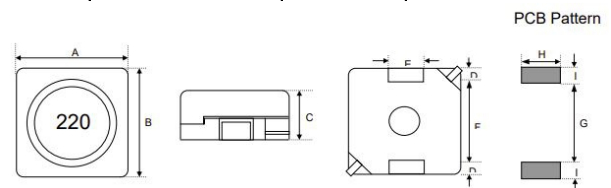


SSPS6028	6,00x6,00x2,80mm	1.0~1000μH	3.80~0.11A (I _{rms})
SSPS6038	6,00x6,00x3,80mm	1.0~1000μH	3.70~0.14A (I _{rms})
SSPS7032	7,00x7,00x3,20mm	3.3~1000μH	2.40~0.15A (I _{rms})
SSPS7045	7,00x7,00x4,50mm	1.0~680μH	5.20~0.40A (I _{rms})

SSPC Series

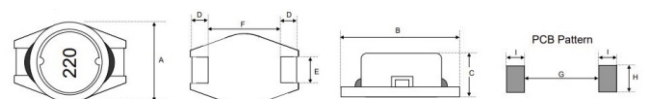


SSPC62B	6,2x5,9x3,0mm	1.5~330μH	3.50~0.19A
SSPC64B	6,2x5,9x5,0mm	10~1000μH	1.35~0.14A
SSPC73	7,3x7,3x3,4mm	1.0~1000μH	7.97~0.16A
SSPC74	7,3x7,3x4,5mm	1.0~1000μH	8.00~0.18A
SSPC124	12,0x12,0x4,5mm	1.5~330μH	8.75~0.50A
SSPC125	12,0x12,0x8,0mm	1.3~1000μH	8.00~0.40A
SSPC127	12,0x12,0x8,0mm	1.0~1000μH	10.00~0.55A
SSPC127H	12,0x12,0x8,0mm	2.2~1000μH	25.50~1.14A
SSPC129	12,0x12,0x10mm	1.0~1000μH	17.00~0.76A

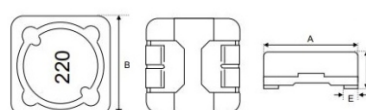


SSPS0603	6,5x6,5x3,10mm	1.5~1000μH	2.20~0.10A
SSPS0604	6,5x6,5x4,60mm	1.5~1000μH	2.80~0.12A

SSPS Series



SSPS0804	8,00x10,5x3,70mm	5.0~470μH	1.70~0.16A
SSPS0805	8,00x10,5x4,5mm	2.2~1000μH	2.50~0.15A
SSPS1005	10x12,7x4,9mm	1.0~3300μH	5.80~0.18A



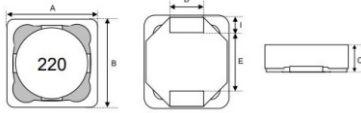
SSPS1205	12,7x12,7x5,0mm	2.5~820μH	5.00~0.30A
SSPS1206	12,7x12,7x6,0mm	2.5~1500μH	6.20~0.20A
SSPS1208	12,7x12,7x8,0mm	2.5~1500μH	7.80~0.36A

SMD Power Inductors

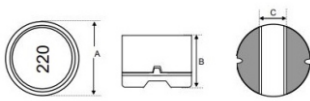


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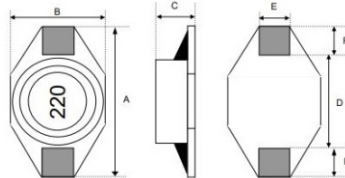
SSPS Series



SSPS1240	12,5x12,5x4,0mm	1.0~1000μH	9.30~0.42A (I _{rms})
SSPS1260	12,5x12,5x6,0mm	1.0~1000μH	9.40~0.68A (I _{rms})
SSPS1280	12,5x12,5x7,5mm	1.1~1000μH	10.20~0.68A (I _{rms})

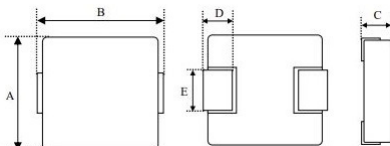


SSPS0704	7,50x4,00x2,60mm	10~270μH	1.70~0.32A (I _{rms})
SSPS1004	9,90x4,50x2,90mm	10~1500μH	3.50~0.26A (I _{rms})
SSPS1307	13,0x7,0x5,0mm	10~1000μH	4.60~0.50A (I _{rms})



SSPS1608	6,6x4,45x2,92mm	1.0~10000μH	3.00~0.02A (I _{rms})
SSPS3316	12,95x9,40x5,21mm	1.0~1000μH	5.80~0.35A (I _{rms})
SSPS5022	18,54x15,24x7,62mm	1.0~1000μH	20.00~0.90A (I _{rms})

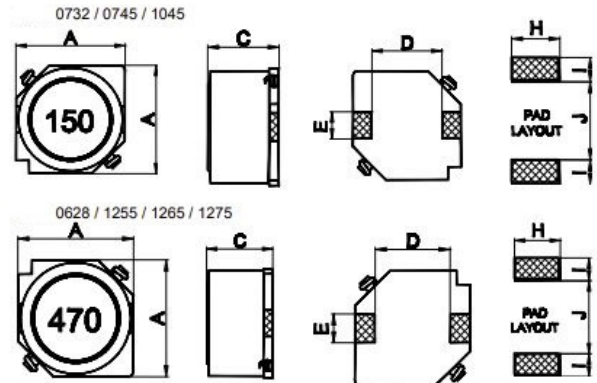
SSBS Series



SSBS0412R	4,20x4,40x1,0mm	0.47~4.70μH	6.00~1.80A (I _{rms})
SSBS0420R	4,20x4,40x1,80mm	0.22~10.0μH	9.50~1.60A (I _{rms})
SSBS0518R	5,20x5,40x1,60mm	0.47~10.0μH	10.50~2.50A (I _{rms})
SSBS0530R	5,20x5,40x2,80mm	0.20~10.0μH	14.00~3.20A (I _{rms})
SSBS0618R	6,60x7,00x1,60mm	0.68~22.0μH	9.50~1.80A (I _{rms})
SSBS0624R	6,60x7,00x2,20mm	0.33~10.0μH	18.00~3.10A (I _{rms})
SSBS0630R	6,60x7,00x2,80mm	0.22~33.0μH	24.00~2.00A (I _{rms})
SSBS1040R	10,0x11,50x3,8mm	0.15~33.0μH	45.00~4.40A (I _{rms})

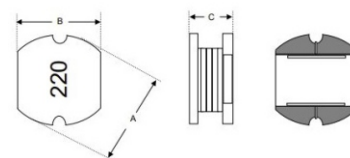
SSBS0420	4,10x4,50x2,1mm	0.10~3.30μH	12.00~2.50A (I _{rms})
SSBS0520	5,0x5,5x2,0mm	0.10~4.70μH	17.00~2.80A (I _{rms})
SSBS0530	5,0x5,5x3,0mm	0.10~4.70μH	23.00~3.50A (I _{rms})
SSBS0620	6,8x7,6x2,0mm	0.10~4.70μH	18.00~3.00A (I _{rms})
SSBS0625	6,8x7,6x2,5mm	0.10~10.0μH	30.00~2.50A (I _{rms})
SSBS0630	6,8x7,6x3,0mm	0.10~22.0μH	32.50~2.50A (I _{rms})
SSBS0650	6,8x7,6x5,0mm	0.56~10.0μH	20.00~4.50A (I _{rms})
SSBS1040	10,4x11,5x4,0mm	0.19~15.0μH	40.00~5.00A (I _{rms})
SSBS1340	13,0x14,2x4,0mm	0.10~10.0μH	43.00~7.00A (I _{rms})
SSBS1350	13,0x14,2x5,0mm	0.10~10.0μH	55.00~9.00A (I _{rms})
SSBS1365	13,0x14,2x6,5mm	0.10~22.0μH	60.00~10.00A (I _{rms})

SSB Series

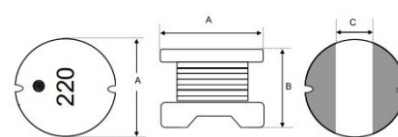


SSB0628	6,00x2,80x4,0mm	1.0~1000μH	2.10~0.12A (I _{rms})
SSB0732	7,00x3,20x4,0mm	1.0~1000μH	2.40~0.20A (I _{rms})
SSB0745	7,00x4,50x4,0mm	1.0~1500μH	3.50~0.15A (I _{rms})
SSB1045	10,1x4,5x6,0mm	1.0~1500μH	12.00~0.40A (I _{rms})
SSB1255	12,5x5,5x8,6mm	6.0~1500μH	4.90~0.48A (I _{rms})
SSB1265	12,5x6,5x8,6mm	2.0~150μH	8.00~0.80A (I _{rms})
SSB1275	12,5x7,5x8,6mm	1.2~330μH	10.40~0.88A (I _{rms})

SSPR Series



SSPR0301	3.5x3.0x1.45mm	1.0~390μH	1.40~0.10A
SSPR0302	3.5x3.0x2.40mm	1.0~470μH	2.20~0.070A
SSPR0403	4.5x4.0x3.50mm	1.0~1000μH	2.70~0.109A
SSPR0502	5.8x5.2x2.80mm	1.0~1000μH	4.00~0.14A
SSPR0503	5.8x5.2x3.3mm	1.0~1000μH	4.50~0.13A
SSPR0504	5.8x5.2x4.8mm	1.0~1000μH	5.00~0.26A
SSPR0703	7.8x7.0x4.0mm	1.0~1000μH	1.64~0.20A
SSPR0705	7.8x7.0x5.5mm	1.0~1000μH	3.40~0.30A
SSPR1004	10.0x9.0x4.5mm	1.0~560μH	8.70~0.32A
SSPR1005	10.0x9.0x5.8mm	1.2~1000μH	8.63~0.20A
SSPR1007	10.0x9.0x7.5mm	1.0~1000μH	9.50~0.46A



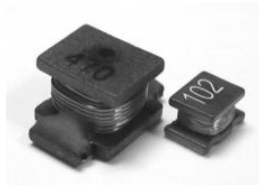
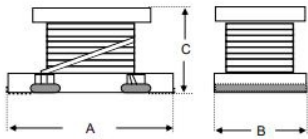
SSPR0603	5.60x3.7x2.3mm	1.5~470μH	3.0~0.15A
SSPR0604	5.60x4.5x2.3mm	1.2~820μH	4.2~0.14A
SSPR0805	7.5x5.0x2.6mm	1.5~4700μH	6.0~0.08A
SSPR1006	9.5x5.5x2.90mm	1.5~4700μH	6.4~0.10A

SMD Power Inductors

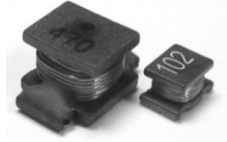
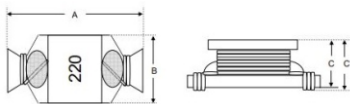


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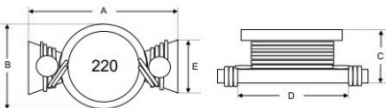
SSPQ Series



SSPQ322515	3.2x2.5x1.55mm	1.00~100μH	1.00~0.10A
SSPQ322520	3.2x2.5x2.0mm	1.00~560μH	0.445~0.04A
SSPQ453226	4.5x3.2x2.6mm	1.00~2200μH	0.50~0.03A
SSPQ322515C	3.2x2.5x1.55mm	0.47~120μH	3.40~0.17A
SSPQ322520C	3.2x2.5x2.0mm	1.00~560μH	1.00~0.06A
SSPQ453226C	4.5x3.2x2.6mm	1.00~470μH	1.08~0.09A
SSPQ575047C	5.7x5.0x4.7mm	0.12~10000μH	6.00~0.05A

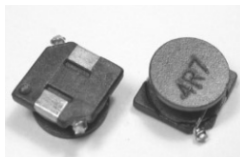
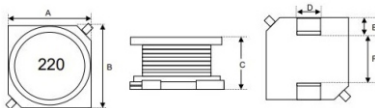


SSPQ0703	6.5x4.5x2.5mm	1.00~1000μH	2.20~0.08A
SSPQ0805	8.8x6.0x4.5mm	0.56~47μH	9.00~1.00A

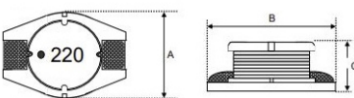


SSPQ1813	8.89x6.4x5.0mm	0.56~100μH	7.70~0.53A
SSPQ4920	19.4x13.3x6.8mm	0.47~100μH	25.10~1.80A

SSPB Series

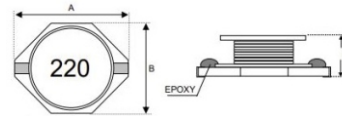


SSPB6028	6.0x6.0x2.8mm	1.5~1000μH	4.0~0.13A
SSPB7030	7.0x7.0x3.0mm	1.0~1000μH	3.0~0.15A
SSPB7045	7.0x7.0x4.5mm	1.2~1000μH	3.8~0.22A
SSPB1030	10x10x3.0mm	2.7~1000μH	3.0~0.20A
SSPB1045	10x10x4.5mm	2.7~1000μH	4.8~0.38A

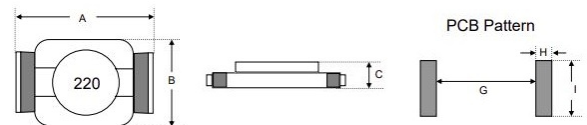


SSPB0805	8.00x10.5x5.0mm	3.3~330μH	5.0~0.46A
SSPB1005	10.0x12.7x5.0mm	1.0~10000μH	7.5~0.10A

SSPB Series

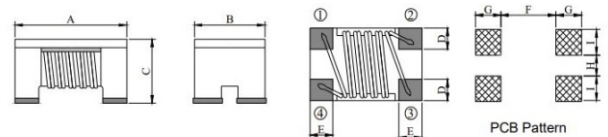
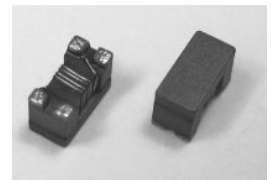


SSPB1608	6.6x4.45x2.92mm	1.0~1000μH	2.9~0.10A
SSPB3308	12.95x9.40x3.00mm	4.7~1000μH	4.2~0.29A
SSPB3316	12.95x9.40x3.00mm	1.0~1000μH	9.0~0.30A
SSPB3340	12.95x9.40x11.43mm	0.47~1000μH	40.0~0.80A
SSPB5022	18.54x15.24x7.11mm	1.0~1000μH	20.0~1.00A



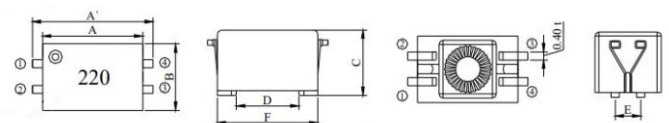
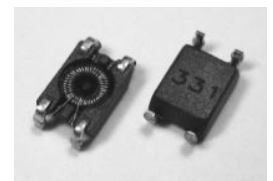
SSPB0610	6.5x5.3x1.0mm	1.2~330μH	2.1~0.13A
SSPB0612	6.5x5.3x1.2mm	1.2~100μH	1.8~0.235A
SSPB0620	6.5x5.3x2.0mm	1.0~1000μH	2.5~0.08A

SSLF Series SMD Line Filter



SSLF2012	2x1,2x1,2mm	30,67,90,120,160,180,200,220,260,360,370 Ohm
SSLF3216	3,2x1,6x1,8mm	90,120,160,260,600,1000,2200 Ohm

SSLF Series SMD Line Filter



SSLF0503	6x3,3x3,3mm	11,22,33,50uH
SSLF0602	6,5x3,6x1,65mm	10,47,82,100,180,220,330uH
SSLF0904	9x5,4x4,7mm	11,25,51,100,470,1000,4700uH

BRC18650-4000mAh

Lithium battery 4000mAh
diam. 18,5mm* x 68mm



Solar Panel Power Bank PLCT060002

5AH 5V/2,1A max. Input: 5V/1A
dimensions 142*75*13,6mm Weight 150g



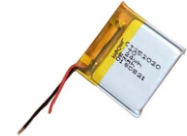
PLCT103450

Lithium battery 3,7V, 1800mAh
10.3 x 34.5 x 53mm



PLCT 252020

Lithium battery 3,7V, 65mAh;
2.5 x 20 x 23mm



PLCT 401230

Lithium battery 3,7V, 110mAh
4.3 x 12.5 x 33mm



PLCT 553048

Lithium battery 3,7V, 800mAh
5.8 x 30.5 x 51mm



PLCT 602035

Lithium battery 3,7V, 400mAh
6.3 x 20.5 x 38mm



PLCT 604260

Lithium battery 3,7V, 1900mAh
6.3 x 42.5 x 63mm



PLCT 805085

Lithium battery 3,7V, 4000mAh
8.3 x 50.5 x 88mm



PLCT 3075110

Lithium battery 3,7V, 3000mAh
3.3 x 75.5 x 113mm



PLCT 906090

Lithium battery 3,7V, 6000mAh
9.3 x 60.5 x 93mm



www.atd-shop.com/qx80V/baterie

Suppression Filters for PCB



Schmid-M: SE1000-1-02
Metal Printed, 1A,
250/120VAC, 50/60Hz



SCHURTER 5500.2002
Power Line filter
Single Phase 50/60Hz
2A 250VAC PC Pins THT

Filters IEC panel mount

Schurter: EMI Filter 5123.1000.0
IEC Input module with filter,
IEX C14 with fuse holder 1A,
120 / 250V; Screw



Schmid-M: EMI-Filter,
1A, 3A, 6A, 10A 120 / 250V
SE8000-1-01
SE8000-3-01
SE8000-6-01
SE8000-10-01



Filters IEC with fuse

Schmid-M: EMI Filter SE8100-1-01
IEC Input module with filter,
IEX C14 with fuse holder 1A,
120 / 250V, 2-pole switch



Schurter: EMI Filter 4301.5014
IEC Input module with filter,
IEX C14 with fuse holder 6A,
120 / 250V, 2-pole switch



Filters IEC with fuse and switch

Schmid-M: EMI Filter
With fuse holder and switch,
120 / 250V, Leakage current = 0.5mA
1A, 3A, 6A, 10A
SE8300-1-01
SE8300-3-01
SE8300-6-01
SE8300-10-01



Schmid-M: EMI Filter
With 2x fuse holder and switch
120 / 250V, Leakage current = 0.5mA
1A, 3A, 6A, 10A
SE8400-1-01
SE8400-3-01
SE8400-6-01
SE8400-10-01



Filters IEC with switch

TDK: IEC inlet filter with fuse 2A, 6A, 10A 250V
B84776A0002A000
B84776A0006A000
B84776A00010A000
TDK: IEC inlet filter with fuse
2A, 10A 250V medical version
B84776M0002A000
B84776M00010A000



Schmid-M: EMI Filter: SE8600-1-01
With mains switch 1A, 3A, 10A 120 / 250V,
Leakage current = 0.5mA
SE8600-1-01
SE8600-3-01
SE8600-10-01



Schurter: EMI Filter DC12.3102.001
IEC Input module with filter,
IEX C14 4A, with switch;
120 / 250V; Screw-on



Three-phase filters

TDK: Power Line Filters
B84143B0320S081
ENTSTOERFILTER 3X320A



One-phase filters

Schmid-M: EMI Filter SE2000-1-01
Single Phase EMI Filter;
1A, 250/120VAC, 50/60Hz



Schmid-M: EMI Filter
SE2100-10-01 10A,
250/120, 50/60Hz



Schmid-M: EMI Filter
SE5000-6-01 6A,
120/250VDC



API TECHNOLOGIES:
Power Line Filter: 12-MMB-010-5-D
Power Line Filter Dual Stage;
10A; 120/250VAC;



Power Cords for EU

FELLER
VII-H05VVF3G075-C13/2,00M
GR7032 Plug Type E + F
on C13-Connector
H05VV-F 3G0.75mm2 gray 2m



FELLER
VII-H05VVF3G075-C13/2,00M
Sw9005 Plug Type E + F
on C13-Connector
H05VV-F 3G0.75mm2 black 2m



FELLER
VII-H05VVF3G075-C13W/2,00M
GR7032 Plug Type E + F
on C13-Connector
H05VV-F 3G0.75mm2 gray 2m



FELLER
VII-H05VVF3G100-C13/3,00M
SW9005 Plug Type E + F
on C13-Connector
H05VV-F 3G1.0mm2 black 3m



FELLER
VIIG-H05VVF3G100-C13/2,00M
GR7032 Plug Type E + F
on C13-Connector
H05VV-F 3G1.0mm2 gray 2m



FELLER
VIIG-H05VVF3G100-C13/2,00M
GR7032 Plug Type E + F
on C13-Connector
H05VV-F 3G1.0mm2 gray 2m



FELLER
VIIG-H05VVF3G150-C19/3,00M
SW9005 Plug Type E + F
on C19-Connector
H05VV-F 3G1.5mm2 black 3m



SCHURTER
6013.0474
Plug Type C
on C7-Connector black
H03VVG-F 2G0.75mm2 2m



SCHURTER
6051.2003
Plug Type E + F
on C13-Connector black
H05VV-F 3G1.0mm2 2m



VOLEX
172930/6
Plug Type E + F on C13 gray
H05VV-F 3G0.75mm2 1,5m



VOLEX
NEUSD3SW05G
Plug Type E + F on
C13-Connector gray
H05VV-F 3G0.75mm2 0,5m



VOLEX
SEUSD9S220B
Plug Type E + F on
C19-Connector, black
H05VV-F 3G1.5mm2 2m



VOLEX
NEUSD3SW05B
Plug Type E + F on C13-Connector
H05VV-F 3G0.75 mm2 black 0,5m



VOLEX NEUSA7SW05B
NEUSA7SW10B
NEUSA7SW20B
Plug Type C on C7-Connector
H03VH2-F 2x0.75 mm2 black 0,5m



Power Cords for North America

SCHURTER
6010.5274
Plug Type A on C7
SPT-2 2x18AWG
black 2m



SCHURTER
6010.5274
Plug Type A on C7
SPT-2 2x18AWG
black 2m



VOLEX
NUSSB7SX10B
Plug Type A on C7
SPT-2 2x18AWG
black 1m



SCHURTER
6044.0215
Plug Type G on C13
H05VV-F 3G1.0mm2
black 2,5m



SCHURTER
6051.2048
Plug Type G on C19
H05VV-F 3G1.5mm2
black 2m



VOLEX
SUKAD3RW20B
Plug Type G on C13
H05VV-F 3G0.75mm2
black 2m



Power Cords for Switzerland

SCHURTER
6051.2045
Plug Type J on C19-Connector
H05VV-F 3G1.5mm2 black 2m



Extension cable

FELLER
C14G-HARSJT3X17(1,0)AWG-C13/2,00M
Sw9005 C14-plug on C13-connector
HARSJT 3x17AWG black 2m



FELLER
C14G-HARSJT3X17(1,0)AWG-C13/2,50M
Gr7032 C14-plug on C13-connector
HARSJT 3x17AWG gray 2,5m



VOLEX
NJ1SO3SW05B
C14-Plug on C13-Connector
H05VV-F 3G0.75mm2 black 0,5 m



Power Cords for China

SCHURTER
6051.2032
Plug Type I on C13-Connector
RVV 300/500 3x1.0mm2 black 2m



Connecting cable

FELLER
VII-H05VVF3G075-G30+0492/1,50M
Sw9005 Plug Type E + F on open end
H05VV-F 3G0.75mm2 black 1,5m



FELLER
VII-H05VVF3G075-G30+0492/2,00M
Sw9005 Plug Type E + F on open end
H05VV-F 3G0.75mm2 black 2m



FELLER
VIIG-H05VVF3G075-G30+0492/2,00M
Sw9005 Plug Type E + F on open end
H05VV-F 3G0.75mm2 black 2m



Thermoelectric modules



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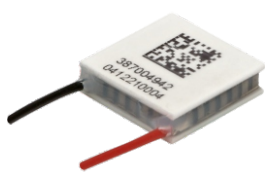


High Performance Cooling Solutions

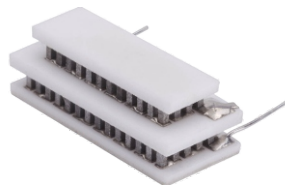


Temperature stabilization is key to maintaining peak performance for any industrial application, for example laser system. Recirculating chillers are a better option than passive solutions such as heat sinks and fans because of their ability to cool well below ambient temperatures. A liquid-based cooling system is more efficient than an air-based system at dissipating heat away from the laser system due to the thermal conductivity of the coolant versus the air.

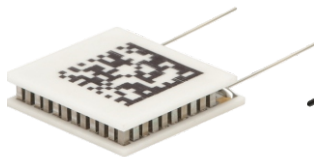
Thermoelectric Coolers - New „X” generation Series



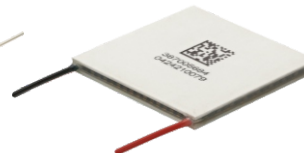
HiTemp ETX Series
capacity 7-320W
15*18mm - 52-56mm
 $\Delta T = 83,2^{\circ}\text{C}$ max.
higher thermal insulating barrier



Multistage MS Series
capacity 0,3-2W
3,9*3,9mm - 30-30mm
 $\Delta T = 129^{\circ}\text{C}$ max.
ideal to cool CMOS sensors
head-up display



OptoTEC™ OTX/HTX Series
capacity 0,4-9,7W
3,3*4,9mm - 12*13mm
 $\Delta T = 82^{\circ}\text{C}$ max.
LIDAR Sensor Laser/Optic
Machine Vision

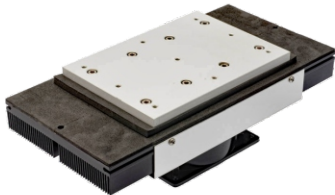


PowerCycling PCX Series
capacity 13-215W
15*15mm - 40*40mm
 $\Delta T = 74^{\circ}\text{C}$ max.
high thermal cycling capability
Precise temperature control



UltraTEC™ UTX Series
capacity 68-298W
24*26mm - 52-56mm
 $\Delta T = 72^{\circ}\text{C}$ max.
Spot colling Laser & Optic
Precise Thermal Management

Thermoelectric Cooler Assemblies (selected series only)



Peltier Plate Assemblies
capacity 11-283W
56*60*44mm - 135-400*180mm
 $\Delta T = 70^{\circ}\text{C}$ max.
Medical, Analytical Instrumentation
HPLC, Colling of Cetrifuges



Cascade Series
capacity 31-58W
91*160*122mm - 91*230*122mm
 $\Delta T = 69^{\circ}\text{C}$ max.
CMOS and Imaging Sensors
Heads-Up display



SuperCool Series
capacity 110-407W
156*230*150mm - 330*173*197*122mm
 $\Delta T = 40^{\circ}\text{C}$ max.
Air-to-Air, Air-to-liquid, Liquid-to-Air
Neating/Cooling Incubator Chamber



Outdoor Cooler Series
capacity 100-480W
180*300*122mm - 225*330*330mm
 $\Delta T = 45^{\circ}\text{C}$ max.
Cell Phones Base Stanions and Towers
Beverages Cooling, Enclosure Cooling

Liquid Cooling Systems : Nextreme™ Series



Compressor-based refrigeration systems are traditionally used in industrial laser applications because of their high coefficient of performance (COP). The Nextreme™ Recirculating Chiller Series delivers reliable and precise temperature control for industrial laser systems. The chiller utilizes high-performance variable speed motors for low noise operation and reduces energy consumption by up to 50% compared to conventional compressor-based systems.

Capacity 0,4-5KW, Flow Rate 1-15L/min.
403*274*400mm-590*630*910mm
100-230VAC,

Much more Series / Regulators / Customization available!

www.atd-elektronik.cz/laird-thermal-systems.html

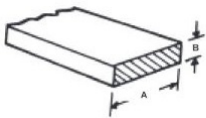
Electrically Conductive Elastomers (ECE) Sub-Groups

Extruded EMI Shielding Gaskets Series

ElectroSeal™ ECE072 - Gray - a Nickel/Graphite filled silicone elastomer
 ElectroSeal™ ECE085 - Tan - a Silver/Glass filled silicone elastomer
 ElectroSeal™ ECE089 - Blue - a Silver/Aluminum filled fluorosilicone elastomer
 ElectroSeal™ ECE093 - Black - a Nickel/Graphite filled silicone elastomer.
 more types of material available

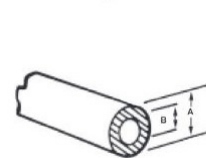


Rectangular Strips



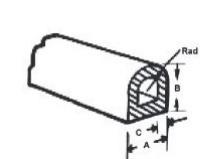
MIL-DTL-85328 PART NUMBER	PART NUMBER	NOMINAL DIMENSIONS	
		A	B
M83528/002X006	8861-0175	0.252 (6,4)	0.031 (0,8)
M83528/009X008	8861-0135	0.500 (12,7)	0.125 (3,2)
M83528/009X011	8861-0192	1.00 (25,4)	0.126 (3,2)

O-Strip Tubing

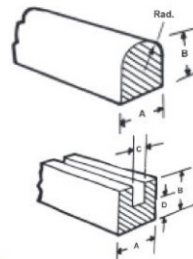


MIL-DTL-85328 PART NUMBER	PART NUMBER	NOMINAL DIMENSIONS	
		A	B
	8864-0060	0.085 (2,2)	0.040 (1,0)
M83528/011X007	8864-0095	0.103 (2,6)	0.040 (1,0)
M83528/011X001	8864-0100	0.125 (3,2)	0.045 (1,1)
M83528/011X002	8864-0105	0.156 (4,0)	0.050 (1,3)
M83528/011X008	8864-0143	0.177 (4,5)	0.079 (2,0)
M83528/011X003	8864-0110	0.250 (6,4)	0.125 (3,2)
M83528/011X004	8864-0120	0.312 (7,9)	0.192 (4,9)
M83528/011X005	8864-0125	0.375 (9,5)	0.250 (6,4)

Hollow D-Strips



MIL-DTL-85328 PART NUMBER	PART NUMBER	DIMENSIONS		
		A	B	RAD.
	8866-0130	0.100 (2,5)	0.094 (2,4)	0.050 (1,3)
M83528/007X001	8866-0100	0.156 (4,0)	0.156 (4,0)	0.078 (2,0)
M83528/007X007	8866-0110	0.250 (6,4)	0.250 (6,4)	0.125 (3,2)
M83528/007X004	8866-0166	0.374 (9,5)	0.252 (6,4)	0.187 (4,8)
	8866-0126	0.480 (12,2)	0.335 (8,5)	0.240 (6,1)
M83528/007X006	8866-0155	0.625 (15,9)	0.400 (10,2)	0.312 (7,9)



D-Strips

MIL-DTL-85328 PART NUMBER	PART NUMBER	DIMENSIONS		
		A	B	RAD.
M83528/003X001	8865-0105	0.062 (1,6)	0.068 (1,7)	0.031 (0,8)
M83528/003X007	8865-0130	0.122 (3,1)	0.135 (3,4)	0.061 (1,5)
M83528/003X012	8865-0145	0.250 (6,4)	0.250 (6,4)	0.125 (3,2)

Channel Strips

MIL-DTL-85328 PART NUMBER	PART NUMBER	DIMENSIONS			
		A	B	C	D
M83528/010X002	8868-0105	0.126 (3,2)	0.110 (2,8)	0.025 (0,6)	0.050 (1,3)
M83528/010X004	8868-0115	0.156 (4,0)	0.156 (4,0)	0.062 (1,6)	0.047 (1,2)
M83528/010X005	8868-0081	0.189 (4,8)	0.189 (4,8)	0.063 (1,6)	0.063 (1,6)
	8868-0085	0.252 (6,4)	0.252 (6,4)	0.126 (3,2)	0.063 (1,6)

O-Strips

MIL-DTL-85328 PART NUMBER	PART NUMBER	RECOMMENDED GROOVE DIMENSIONS (±0.002)		
		A	WIDTH	HEIGHT
	8863-0184	0.032 (0,8)	0.036 (0,9)	0.026 (0,7)
M83528/001X003	8863-0110	0.062 (1,6)	0.066 (1,7)	0.050 (1,3)
M83528/001X009	8863-0145	0.125 (3,2)	0.133 (3,4)	0.100 (2,5)
M83528/001X013	8863-0202	0.374 (9,5)	0.400 (10,2)	0.300 (7,6)

Molded Wareguide EMI Shielding Gaskets Series

ElectroSeal™ ECE072, ECE085, ECE089, ECE093 and ECE152 is a low hardness (Shore A 50) Nickel/Graphite filled silicone elastomer
 ECE155 is a low hardness (Shore A 50) Silver/Glass filled silicone elastomer
 ECE158 is a low hardness (Shore A 50) Silver/Copper filled silicone elastomer
 ECE081 is a Silver/Aluminum filled silicone elastomer.



Flat Washer EMI Shielding Gaskets

Die-cut conductive elastomer provides excellent mechanical and electromagnetic shielding properties.

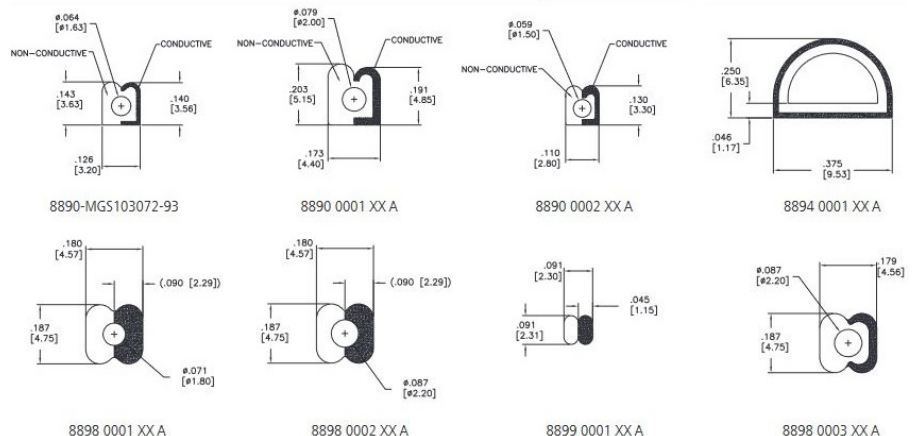
ElectroSeal™ ECE072, ECE085, ECE089, ECE093 and ECE081



Co-Extruded EMI Shielding Gaskets

Co-Extrusion processes produce a multitude of non-conductive/conductive elastomer profiles in different compounds for environmental sealing and EMI shielding.

Gemini™ NCE220/ECE093
 Gemini™ NCE221/ECE081



Thermal Interface Materials



www.atd-shop.com

GAP materials divided by thermal conductivity



A DuPont Business

GAP Fillers W / mK (0.1-2.0)

<p>Tflex 300 1,2W/mK Hardness (Shore 00) 25</p>	<p>Isolating Insulator</p> <p>Tflex 300TG 1,2W/mK Hardness (Shore 00) 27</p>	<p>Tflex HR400 1,8W/mK Hardness (Shore) 53</p>	<p>Isolating Insulator</p> <p>Tflex P100 1,2W/mK Hardness (Shore 00) 13 -</p>	<p>Grease</p> <p>Tgrease 1500 1,2W/mK Density 2,6g/cc</p>
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Thermally conductive materials - GAP materials GAP Fillers W / mK (2.1-3.0)

<p>Tflex 600 3,0W/mK Hardness (Shore 00) 51</p>	<p>Tflex HD300 2,7W/mK Hardness (Shore 00) 38</p>	<p>Isolating Insulators</p> <p>Tflex HD300TG 2,7W/mK Hardness (Shore 00) 38 -</p>	<p>Tflex HR600 3,0W/mK Hardness (Shore 00) 40</p>	<p>Isolating Insulators</p> <p>Tflex P300 3,0W/mK Hardness (Shore 00) 40 -</p>
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GAP Fillers W / mK (3.1-5.0)

<p>Silicone-free</p> <p>Tflex SF600 3,0W/mK Hardness (Shore 00) 80</p>	<p>Low stress</p> <p>Tflex Tputty 500 3,0W/mK Hardness (Shore 00) 14</p>	<p>Ultra-Thin</p> <p>Tflex UT20000 3W/mK Hardness (Shore 00) 83</p>	<p>Tflex 700 5,0W/mK Hardness (Shore 00) 70</p>	<p>Low pressure</p> <p>Tflex HD700 5,0W/mK Hardness (Shore 00) 54</p>
<p>Isolating Insulator</p> <p>Tgon 800 5,0W/mK Hardness (Shore 00) 85 -</p>	<p>Tpli 200 5,0W/mK Hardness (Shore 00) 70</p>	<p>Isolating Insulator</p> <p>Tgard 200 5,0W/mK Hardness (Shore A) 80 -</p>	<p>Thermal + EMI Absorber</p> <p>CoolZorb 500 4W/mK Hybrid Thermal + EMC</p>	<p>Grease</p> <p>Tgrease 2500 3,8W/mK Density 3,42g/cc</p>

GAP Fillers W / mK (5.1-7.5)

<p>6,0 W/mK</p> <p>Tflex HD80000 6,0W/mK Hardness (Shore 00) 40</p>	<p>Tflex HD90000 7,50W/mK Hardness (Shore 00) 32</p>
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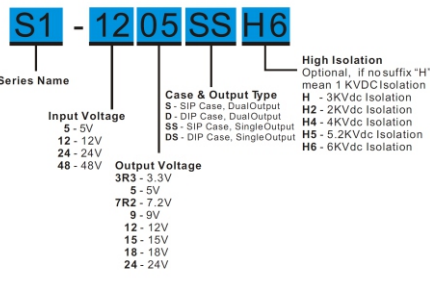
GAP Fillers W / mK (7.6-34)

<p>Tflex SF10 10,20W/mK Hardness (Shore 00) 41</p>	<p>34 W/mK</p> <p>Tflex HP34 34W/mK Hardness (Shore 00) 50</p>
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Thermal + Gasket

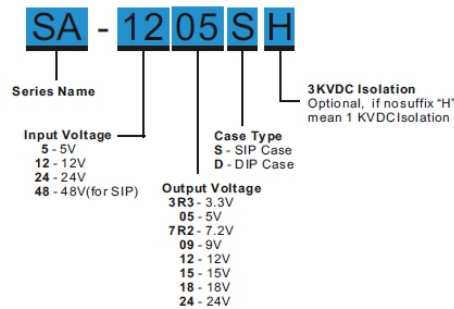
<p>Thermal Gasket Foam</p> <p>Thermal Gasket Polyurethane Faom</p>	<p>Thermal + EMI Absorber</p> <p>Hybrid Thermal + EMI Absorber</p>
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Electrically Conductive Elastomers (ECE) Sub-Groups Series S1- 0,5-2W Unregulated SIL/DIL Up to 6000VDC



Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency @FL (%)
S1-3R33RSS	3.3	3.3	303	76
S1-3R305SS		5	200	78
S1-3R309SS		9	111	80
S1-3R312SS		12	83	77
S1-3R315SS		15	67	78

Series SA - 0,25-1,50W Unregulated SIL4 Up to 3000VDC



Model Number	Input Vdc	Output Vdc	Output Current (mA)	Efficiency at FL (%)
SA-3R33R3S1	3.3	3.3	29.10	72
SA-3R305S1		5	200	77
SA-3R37R2S1		7.2	18.5	79
SA-3R309S1		9	111	75
SA-3R312S1		12	100	77
SA-3R318S1		15	67	79
SA-3R324S1		18	56	76
SA-3R324S1		24	50	79

DC/DC Converters 0,25W ~ 600W

Hight Voltage Converters

<p>SHO1-P102-0.6B 0,72W Uin: 5 (4,5-5,5VDC) Uout: 0-1200VDC</p> <p>SHO1-P (N)1201-0.6B 0,72W</p>	<p>SHO1-N1251H-1B 0,75 W Uin: 5 (4,75-5,25VDC) Uout: 0,1250VDC</p> <p>SHO1-P (N)1251H-0,5 0,75W</p>	<p>SHO1-P601-2C 1,2W Uin: 12 (10,8-13,2VDC) Uout: 0-600VDC</p> <p>SHO1-P601-2C 1,2W</p>	<p>SHO1-P401-5C 2W Uout: 0-400VDC</p> <p>SHO1-P401-5C 2W</p>	<p>SHO1-P102-4F-GM 4W Patent Protection RoHS Uin: 24 (21,6-26,4VDC) Uout: 100VDC</p> <p>SHO1-P102-4F-GM 4W</p>	<p>SHO1-P102-10F 10W Uin: 24 (21,6-26,4VDC) Uout: 0-1000VDC</p> <p>SHO1-P102-10F 10W</p>	<p>SHO1-P202-20D 40W Uin: 16(14-18VDC) Uout: 0-2000VDC</p> <p>SHO1-P202-20D 40W Uout 0-2000VDC</p>	<p>SMUC 60W/125W/250W 0,125-60kV Uout -125-6000VDC</p> <p>SMUC - 60W, 125W, 250W Uout -125-6000VDC</p>
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Non Isolated DC/DC Converters

<p>SK-78LXX-500R3</p>	<p>SK-78XXMT-500R4 Patent Protection RoHS SMD (9x7x3,1mm) -40°C ~ +85°C</p> <p>SK-78XXMT-500R4</p>	<p>SK-78Lxx-1000R3 SIL 17,5x11,5x7,5mm -40°C ~ +85°C</p> <p>SK-78Lxx-1000R3</p>	<p>SK-78XXMT-1000R4 SMD (9x7x3,1mm) -40°C to +105°C</p> <p>SK-78XXMT-1000R4</p>	<p>SK-78XXT-1000R3 SMD 15,24x11,40x8,25mm -40°C ~ +85°C</p> <p>SK-78XXT-1000R3</p>	<p>SMQ 7862 SXXX</p>	<p>SK-78XX-2000R3 SIL 2000mA</p> <p>SK-78XX-2000R3</p>
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AC/DC Converters 1~1200W

Case: DIN Rail, Chassis, Open Frame, Enclosed, Medical, PCB

<p>AC/DC 1W ~ 2W CE RoHS</p> <p>SLD01-10 PCB 1W, 2W</p>	<p>1W AC/DC converter CE CB RoHS SLS01-15B</p> <p>SLS01-15Bxx 5 1W open</p>	<p>AC/DC 2,1W-3,0W Myrra 471xx</p> <p>Myrra 471xx 2,5W</p>	<p>AC/DC Myrra 480xx 3,0W</p> <p>Myrra 480xx 3,0W</p>	<p>AC/DC 3,1W-4W Myrra 472xx</p> <p>Myrra 472xx to DPS 3,2W-4W</p>	<p>AC/DC 4,1-5,0W Myrra 471xx</p> <p>Myrra 471xx 5W</p>	<p>TRACO TSP 90W</p> <p>TRACO TSP 90W DIN</p>	<p>TRACO TSP 180W</p> <p>TRACO TSP 180W DIN</p>
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More types of information can be found at: www.schmid-m.com

Watt	Input VAC	Output 1	Output 2	Isolation	Case / specials	Type
200	90-132VAC 180-264VAC			3kV		SLM200-10Bx
225	85-264VAC 120-370VDC	12,15, 24,27,48		4kV	4"x2"x1"	SLOF225-20Bxx
240	85-264	YY		3kV	DIN RAIL	SLI240-1B
240	110-240VAC 120-370VDC				DIN RAIL	SDR-240-24 M
350	90-132 / 180-264	5,12,15, 24,36,48		3kV		SNK-350
	90-264 127-373	12-54		4kV	Open Frame	SLOF350-20Bxx
400	180-264	12,15, 24,27,48		1,5kV		SS-400
480	90-264	24,48		3kV	DIN RAIL	SIS-480
500	180-264	12,13,5,15, 24,27,48		1,5kV		SS-500

AC/DC 200W Enclosed Switching Power Supply **SCHMID-M**

SLM200-10Bxx Series



- FEATURES**
- Selectable AC Input range: 90 ~ 132VAC/180 ~ 264VAC
 - DC Input range: 240 ~ 370VDC (Switch in position of 230)
 - Ultra low standby power consumption: < 0.75W @230VAC
 - Operating ambient temperature range: -30°C ~ +70°C
 - Compact size with 1U low profile
 - LED indicator for power on
 - Output short circuit, over-current, over-voltage, over-temperature protection
 - Safety according to IEC/EN/UL62368, EN60335, GB4943 (CE, CB, CCC pending)
 - Withstand 300VAC surge input for 5s (Switch in position of 230)
 - Operating altitude up to 5000m

AC-DC Switching Mode Power Supply

SNK-350 SERIES, SINGLE OUTPUT, 350W

Features

- SCHMID-M**
- AC Input Range Selected by Switch (90/132/180-264VAC)
 - 100% Full Load Burn-In Test
 - Ultra-Slim Size
 - Built-in EMI Filter
 - LED Indicator for Power On
 - All Round Protections: Short Circuit, Over Voltage, Over Load, and Over Temperature



AC/DC 225W Open Frame Power Supply **SCHMID-M**

SLOF225-20Bxx Series



- FEATURES**
- Input voltage range: 85 - 264VAC/120 - 370VDC
 - Compact size: 4" x 2" x 1"
 - Operating ambient temperature range: -40°C ~ +70°C
 - Active PFC
 - High I/O isolation test voltage up to 4000VAC
 - Operating altitude up to 5000m
 - Very low leakage current < 0.1mA
 - No-load power consumption < 0.3W
 - The base plate with conformal coating
 - Output short circuit, over-current, over-voltage, over-temperature protection
 - Installing in system of Safety Class II is available
 - Safety according to IEC/EN/UL62368, IEC/EN60335, IEC/EN61558, GB4943, IEC/EN/ES60901

AC-DC Din Rail Mountable Power Supply

SIS-480 SERIES, SINGLE PHASE INPUT

Features

- SCHMID-M**
- 3 Year Warranty
 - Universal Input 90-264VAC
 - 100% Full Load Burn-In Test
 - Cooling by Free Air Convection
 - All Round Protections: Short Circuit, Over Voltage, Over Current, Over Temperature
 - LED Indicator for DC Power On
 - LED Indicator for DC Low



CE CB CB RoHS

Flyback Transformers

<p>Flyback Transformers EP</p>	<p>Flyback Transformers EF</p>	<p>Flyback Transformers EE</p>	<p>Flyback Transformers ER</p>	<p>Flyback Transformers U</p>	<p>Ethernet LAN transformers</p>	<p>Special transformers</p>
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Ethernet LAN

Coded Switches



07P2T push to turn | THT horizontal or vertical | 10 positions

Coded switch with push to turn function, BD coding, IP68 sealing, push force up to 11 N and switching torque up to 7 Ncm



X4 with FFC connector

High performance, hall-sensed switch with FFC connector up to 20 Ncm switching torque, up to 1 Mio switching cycles and...



08 coded switch | THT horizontal | BCD coding

Coded switch with Gray coding with up to 16 positions and a 2.5 Ncm switching torque



MR50 THT vertical | 10 positions | 1 pole | 1/4"-28 UNF

Highly robust $\varnothing 1/2"$ selector with 36° indexing angle, up to 6 Ncm switching torque and operating temperature from -45 to...



07 THT horizontal | without bezel

Compact coded switch with HEX, Gray or BCD coding, up to 16 position, up to 3.5 Ncm switching torque and perfect for rugged...



07 THT vertical | with bezel

Compact coded switch with HEX, Gray or BCD coding, up to 16 position, up to 3.5 Ncm switching torque and perfect for rugged...



07 THT vertical | non-threaded | with shaft

Compact coded switch without thread, HEX, Gray or BCD coding, up to 16 position, up to 3.5 Ncm switching torque and perfect...



C07A THT vertical | threaded | with shaft

Compact coded switch with HEX, Gray or BCD coding, up to 16 position, up to 3.5 Ncm switching torque and perfect for rugged...



C07A THT horizontal or vertical | threaded or non-threaded | with shaft

Compact coded switch with HEX, Gray or BCD coding, up to 16 position, up to 3.5 Ncm switching torque and perfect for rugged...



C08 THT or SMT | threaded or non-threaded | 16 positions

Compact switch with Gray coding, up to 16 positions and a 2.5 Ncm switching torque



C15 THT horizontal | non-threaded | 16 positions

Coded switch with Gray coding, switching torque up to 3 Ncm, operating temperature -40 to $+85^\circ\text{C}$ and available with or...



07PL THT horizontal | with push button

Coded switch with push function, HEX or Gray coding, push force up to 14 N and up to 3.5 Ncm switching torque



M07 rugged | THT horizontal or vertical | threaded

Rugged coded switch designed for harsh application environment with HEX, Gray or BCD coding, up to 4.5 Ncm switching torque...



C16 THT horizontal | threaded | 16 positions

Coded switch with Gray coding, switching torque up to 3 Ncm, operating temperature -30 to $+60^\circ\text{C}$ and available with or...



07ML multi layer | THT horizontal | 3 or 4 wafer

Multi layer coded switch with BCD, HEX or Gray coding, up to 3.5 Ncm switching torque and perfect for rugged environments



07 THT | horizontal or vertical | threaded or non-threaded

Compact coded switch with HEX, Gray or BCD coding, up to 16 position, up to 3.5 Ncm switching torque and perfect for rugged...

Encoders



E18 THT or SMT | threaded or non-threaded | with or without push button

16, 24 or 30 detent positions, switching torque up to 2.5 Ncm and a rotational life up to 150'000 revolutions



E37 THT | threaded or non-threaded

Incremental encoder with dual function, switching torque up to 4.5 Ncm, 16 or 32 detent positions and a rotational life up to...



E33 Interface Solution | with Micro-MatCh, FFC or ribbon cable

Encoder with integrated PCB (with and without debouncing function) and various mechanical interface options



E33 THT or SMT | threaded or non-threaded

Encoder with or without push function, switching torque up to 4.5 Ncm, 16 or 32 detent positions and a rotational life up to...



E33 THT horizontal | threaded | up to 3 Ncm

Encoder with a fastening torque of nut M7 x 0.75, 32 detent positions, with or without push function, switching torque up to...



E18 THT horizontal | threaded | push button

Encoder with a fastening torque of nut M7 x 0.75, available with 16, 24 or 30 detent positions, switching torque up to 2.5...



E33 SMT vertical | threaded | up to 4.5 Ncm

Encoder with a fastening torque of nut M7 x 0.75, 16 detent positions, with or without push function, switching torque up to...



E33 Interface Solution with FFC connector

Encoder with integrated PCB and FFC connector

Knobs



Classic Collet | black | with line | matt or glossy | $\varnothing 9$ mm



Wing knob | black | with line | matt or glossy | $\varnothing 10$ mm



Classic Collet | gray | without line | matt or glossy | $\varnothing 14.5$ mm



Crank knob | black | glossy | $\varnothing 19$ mm



Wing knob | black | with line | matt or glossy | $\varnothing 21$ mm



Wing knob | gray | with line | matt or glossy | $\varnothing 28$ mm



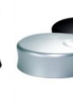
Classic Collet | black | without line | matt or glossy | $\varnothing 36$ mm



Classic Collet | black | with line | glossy | $\varnothing 45$ mm



K1 Shape | silver or black



K1 Dimple | silver or black



K1 Medic | silver or black



K1 Robot | silver or black



K1 Space | silver or black

Multi Rotary Switch



01 with pins for PCB or soldering eyelets | 6, 10, 12 positions | M6, M8, M10

Multi wafer compact selector with up to 12 positions, 25'000 switching cycles and with up to 6 Ncm switching torque

04 with pins for PCB or soldering eyelets | 12, 24 positions | 1 - 4 wafers

Very robust, multi wafer selector with up to 24 positions, switching torque up to 20 Ncm and a rotational life up to 25'000...

08 THT horizontal | 1 - 4 wafers

Multi wafer selector for PCB mounting, up to 12 positions, switching torque up to 9 Ncm and 25'000 switching cycles

07R THT | horizontal or vertical | threaded or non-threaded

Miniatur selector with shaft or screwdriver with bezel, PCB mounting and up to 3.5 Ncm switching torque

Audio Solution



X4 with Micro-MaTch socket

High performance, hall-sensed switch with Micro-MaTch socket up to 20 Ncm switching torque, up to 1 Mio switching cycles and...

X4 with Micro-MaTch socket or FFC connector

High performance, hall-sensed switch for various coding, with mechanical and electrical interfaces, up to 20 Ncm switching...

MR50 THT vertical | 12 positions | 2 poles | 1/4"-28 UNF

Highly robust Ø 1/2" selector with 30° indexing angle, up to 6 Ncm switching torque and operating temperature from -45 to...

07R THT vertical | non-threaded | without shaft

Miniatur selector without shaft, PCB mounting and up to 3.5 Ncm switching torque

Enclosures, Cases and Front Panel



Flat front panels

Flat front panels for subracks and enclosures | 1 to 9 U and 2 to 84 HP | solid or perforated

FMC Mezzanine front panel

FPGA mezzanine card (FMC) front panels (according to Vita 57.1) | filler panels available

Customized front panels

Front panel according to customer requirements | complete services from raw sheet metal to tested units

EMC front panels

EMC front panels with an immunity from interference and limited emission of interference | front anodized, | rear passivated...

Front Panels for Plug-In-Units | IEC

Front panels for plug-in units according to IEC | with or without EMC protection | aluminum 2.5 mm | clear anodized

Fan front panels

Fan front panels with vertical / horizontal ventilation or for direct fan mounting.

Front Panels for Plug-In-Units | IEEE

EMC front panel for IEEE plug-in units | 3 and 6 U | up to 14 HP



Double LED arrays | bi-color | 20 mA

Double LED arrays | green / green | 2 or 10 mA

Double LED arrays | red / green | 2 or 10 mA

Single LED arrays | yellow | 2 or 10 mA

Single LED arrays | blue | 20 mA

LED Arrays



Magic-Kit 11 - the cost-effective IEC solution

Shielded subracks for IEC applications. EMC subrack made of sheet steel for extremely fast mounting and EMC without seals.

Unibox 14 - versatile 19" enclosure for lab applications

No matter if desktop or plug-in enclosure, the box grants access from every side. The frame based on aluminum profiles with...

Spirit-Kit 11 | EMI subrack | 3 U | 84 HP | d = 300 mm | conductive

Shielded subracks for IEEE (VME64 / cPCI) applications. EMC subrack made of sheet steel for extremely fast mounting and EMC...

Systemkit 12K Rail | EN50155 | 6 U | 84 HP | d = 240 mm | IEEE

The best base for every customized 19" subrack for cPCI, VME or VME64 for railway applications. It supports many advantages...

Slimkit 10 FTTx - for fiber optic termination

Cable end distributor 19", 1 U for splitting fiber optic cables. Front panel and design can be customized.

Systemkit 12K Rail | 19" subrack for railway

The best base for every customized 19" subrack for cPCI, VME or VME64 for railway applications. It supports many advantages...

Slimkit 10 - the one unit 19" enclosure

The 1 U (unit) 19" system enclosure combines flexibility with a comprehensive EMC protection. Applicable as 19" rack...



Guardbox 33 easy - a simple but tough case in different sizes

A robust small enclosure in different sizes and designs. It guarantees optimal, professional covering of your cards or...

Stylebox 15 smart - for 19" plug-in or desktop application

A desktop, plug-in or portable enclosure according to 19" standards with scalable EMC protection. It enables many...

ID-Case 18 - sophisticated design with exceptional functionality

Combines an exceptionally functional construction with a sophisticated design. Thanks to its unique construction concept...

Shapebox 22 - plastic enclosure in customer defined shape

Individual plastic enclosures that can be manufactured without expensive molding tools. Therefore, prototypes are available...

BT Box 24 - a standard enclosure for many application

A basic enclosure for a variety of applications and designed cost effective for higher volumes. The enclosure is made of...

Guardbox 33 - a tough case in different sizes and outstanding protection options

The aluminum case is available in different sizes and designs. A very robust construction allows installation of Eurocards...

ELOS Box 54 - an extruded profile enclosure for two or three Eurocards

The box is an embedded enclosure for 2 to 3 controller cards. It consists of an aluminum profile and it is especially...

ID-Box 16 - versatile enclosure for high-quality electronic

A versatile enclosure for high-quality electronic components. Since it is independent of standards, the ID-Box 16 can be...

Compact Case 20 - practical enclosure in excellent design

The Compact Case 20 combines flexibility, practicability and intelligent design. Available in four different sizes and three...

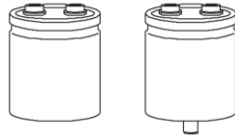
Capacitors



www.atd-shop.com

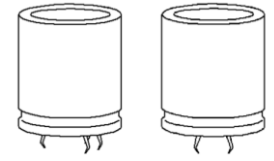


Screw Terminal Series



Series	Capacitance Range [uF]	Voltage range [V]	Temperature range [°C]	Case DxH [mm]	Expected lifetime [hrs]	Applications
AR	100-470-000	40-450	-25°, +85°	35x56 76x147	5000	. High CV . Long Life
AY	100-1000000	40-500	-25°, +85°	51x105 90x222	10000	. Extra Long Life . High Temperature . High Ripple
AP	1000-15000	350-500	-25°, +85°	64x107 90x222	12000	. High Reliability . Compact Size
AS	150-330000	25-500	-40°, +85°	35x56 90x222	15000	. Heavy Transient . Industrial Application
AF	1000-15000	350-500	-25°, +85°	64x107 90x222	20000	. Wind and Solar . Energy . Power Supplies
AZ	1000-15000	160-450	-25°, +85°	51x105 90x222	3000	. Energy Storage . Railways Applications
AT	100-10'000	350-450	-25°, +85°	64x107 90x222	5000	. Medical Applications . Frequency Converters

Solder Pin Series



Series	Capacitance Range [uF]	Voltage range [V]	Temperature range [°C]	Case DxH [mm]	Expected lifetime [hrs]	Applications
ARC/S/K	100-3300	200	-25°, +85°	30x40 45x100	2000	. Solder Pin Mounting
AKS	100-47000	40-450	-25°, +85°	30x40 40x100	5000	. 2-4-5 Pin . Long Life
ACC ACS	150-33000	25-500	-25°, +85°	30x40 45x100	5000	. Extra Long Life . Low ESR . Compact Size
AMC	330-560	500	-40°, +105°	35x40 35x60	5000	. Large Size . Industrial Application
AZK	100-2200	200-450	-25°, +105°	30x40 40x100	3000	. Wind and Solar Energy . Power Supplies
AZC AZS	100-4700	200-450	-25°, +105°	30x40 40x100	3000	. Energy Storage . Railways Applications
ATK	100-2200	160-450	-40°, +85°	30x40 40x100	5000	. Medical Applications . Frequency Converters
ATC ATS	100-1500	200-450	-40°, +85°	30x40 40x100	5000	. Motor control



Audio and Super Capacitors, Film Capacitors, SMD and THT Aluminum Electrolytic Capacitors, Ceramic and Tantalum Capacitors



Conformal Coating

ABchimie's conformal coating are specially developed to ensure high protection to PCBAs from their environment. They don't only improve and extend the working life but also can provide reliability and performance. They protect PCBA against harsh environment such as salt spray, humidity, temperature, solvent, dust ...with, in general, a thin layer (25 to 50 microns). These environmental conditions can cause damage as corrosion, current leakage and failure.



WHY USE ABCHIMIE CONFORMAL COATING?

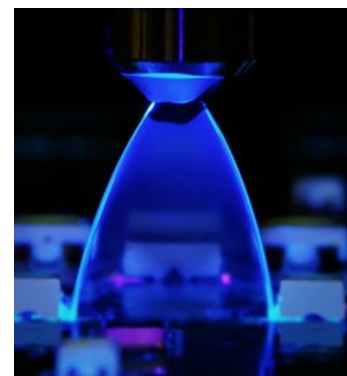
ABchimie not only provides high quality products but also ready to use products. You can request the specific viscosity for your equipment. Our technical support team will assist you upon your request. Providing precise solutions is one of our commitments to earning your trust.

HEALTH AND SAFETY

ABchimie is very involved in these subjects, for this reason we are always looking for a "green" alternative.

AVR80 BA is the green alternative of common acrylic conformal coating, this version is non toxic. The specified solvent used in this formulation is designed to protect people.

This reference is now very well known and it is used in large quantity in automotive, military and industrial applications. Regarding the new generation of conformal coating, we offer ABchimie526 UV and ABchimie746 E UV which contains NO VOC. They are available to be used in UV mercury oven and with LED oven 395nm.



Application methods:



1. SPRAYING – Usual method. Very goods results on plane surface.
2. SPRAY GUN – highly economic, hand spray using a spray or aerosol can. All coatings can be applied in this way.
3. SELECTIVE DEPOSIT – Dispensing equipment: ASYMTEK, PVA, USI, DIMA . High performance level for mass production, reliability of deposit. All coating types can be used if the correct dispense head is selected.
4. DIPPING – To ensure presence of conformal coating even under components. small productions.

UV RESINS AND GLUES



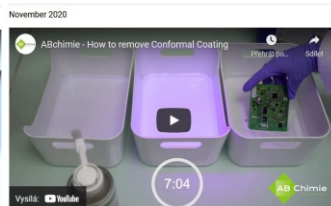
are especially formulated to ensure an optimal protection for your electronic components but also to answer to a large range of applications. These products cure with UV Mercur lamp (UVA, B and C) or LED lamp (UV 395nm). This technology permits to supply a large range of product in thin or thick applications, colourless or not and permit to gain in process, floor place and energy if you are working with the LED curing system.and permit to gain in process, floor place and energy if you are working with the LED curing system.

Check out our tutorial videos:

AB Chimie - Why use protective coatings on PCB?



AB Chimie - How to remove the protective coating?



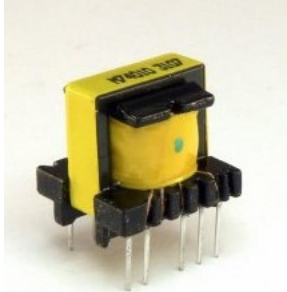
AB Chimie - Dripping effect (varnish rising to the connectors)



AB Chimie - Tests of properties of protective coatings



Electrically Conductive Elastomers (ECE) Sub-Groups



Custom wire wound parts

Please provide us your part number or specification. (winding prescription, coil and core shape, etc.) We have experienced technical team, sufficient database of materials and equipment to build winding parts, planar transformers according to your requirements. Our goal is to produce quality components in a reasonable price and within acceptable delivery time. We believe this is very important in electronic rapidly changing industry.

Please feel free to send us your non binding inquiry.

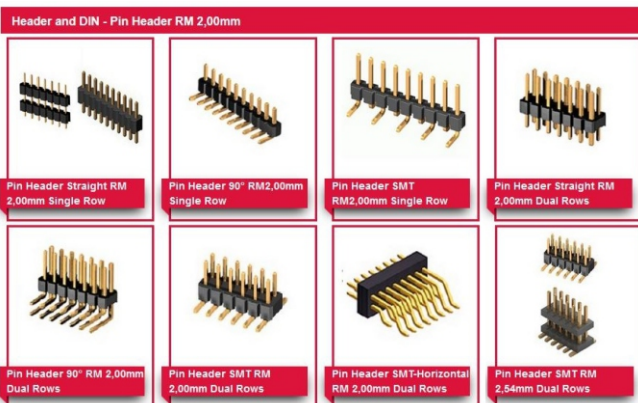
Colorful world of Terminal Blocks



Terminal block SM C09 35014 XX VC Customer, spring terminal block according to customer's request, we assemble the terminal block according to customer's wishes, state number and colors: Wire-on-Board, 5.08 mm, 2 pin, 28 AWG, 12 AWG, 2.5 mm2

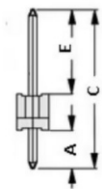
Customer Pin Headers

We offer customer Pin Header in pitches RM 1.27 / 2.00 / 2.54mm. Tell us dimensions and packing you would need for your application and we will prepare a non-binding offer for you.



SM C02 2100 XX AS (C= ; E= ; A=) -Y

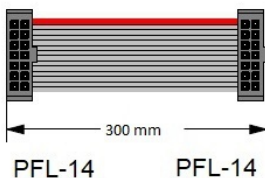
- XX - Contact No.: 1-40
- Y- Packaging: unmarked - bag
- T - Tube
- R - Reel Packing
- P - Pad + Tube Packing
- Q - Pad + Reel Packing



Example: SM C02 2100 20 AS; C=11,5mm; E=5,4mm

= Header Pin Single Row and Single Insulator; RM:2,54mm
20 Contacts; Dimension: C=11,5mm; E=5,4mm; A=3,0mm
Packing: Bag

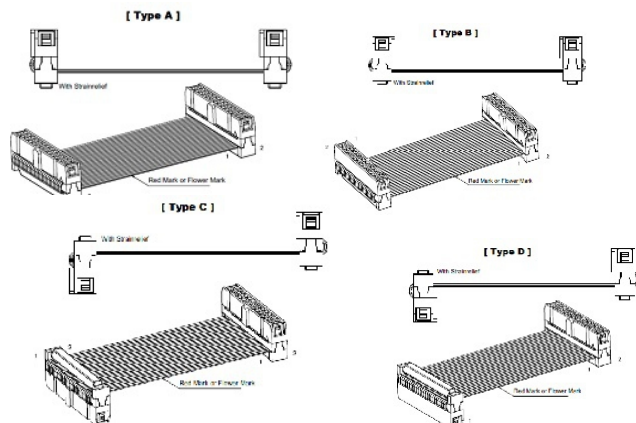
Customer cables



We can offer custom flat cables with a pitch of RM 1.00mm; RM1,27 and RM2,54 with connectors according to customer requirements. The customer can determine the number of pins, cable length and orientation of connectors (A, B, C, D, E).

How to Order:
SM C01 RC5B - 2,54- XX 2 XX (XX) - XX (XX) XX

- Cable type : Gr - Grey
Re - Rainbow
- Length of "L" [100mm or 150mm...]
- Assembly style : A/B/C/D/E
- Cable size : 28AWG / 30AWG
- The color of connector: G-Grey ; B-Black
- Connector Qty: 2 - 2 Connector
1 - 1 Connector and other end empty
- Poles of Connector from 06P to 64P



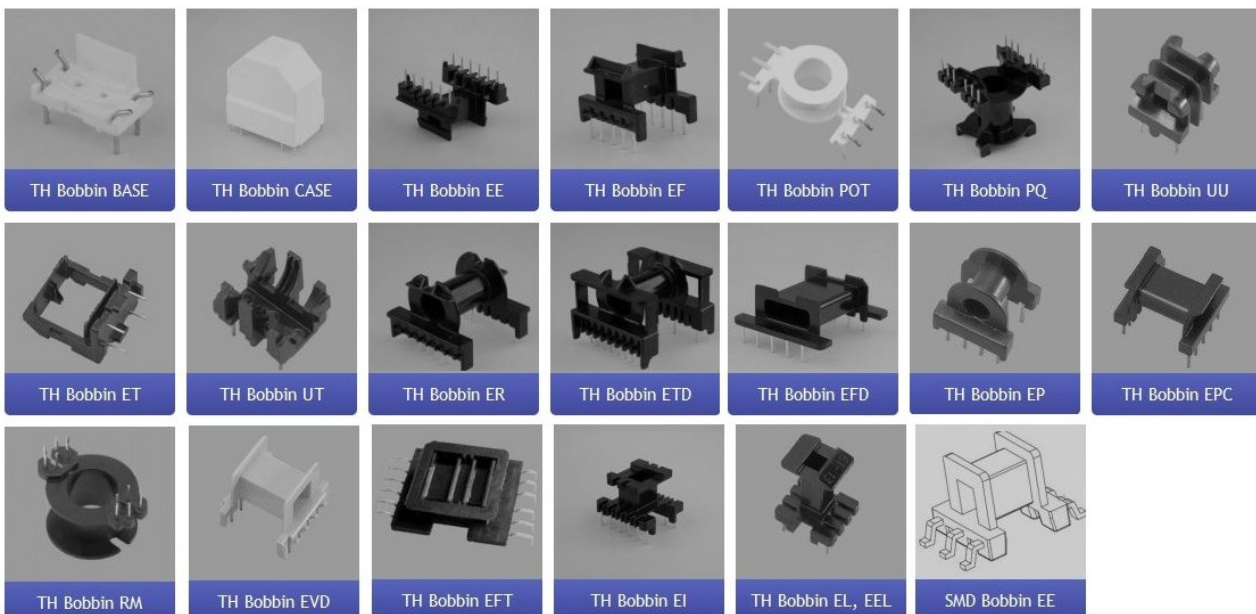
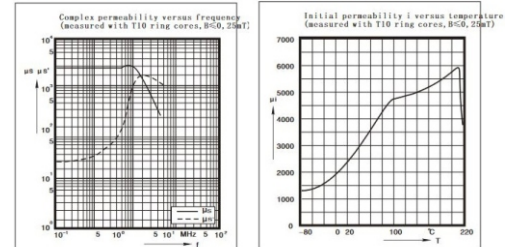
Ferrites, Bobbins, Clamps

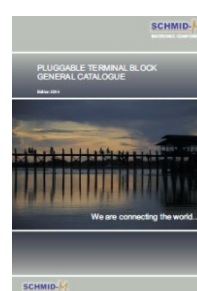
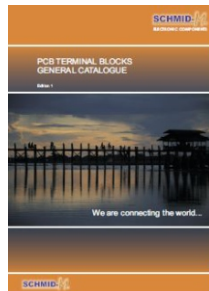
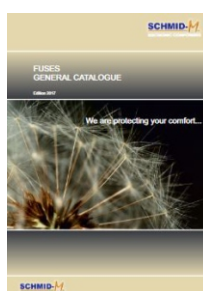
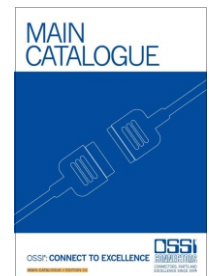
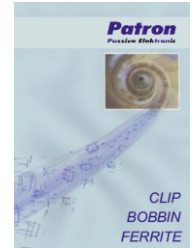
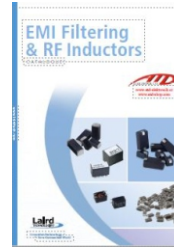


Mn-Zn SERIES MATERIAL CROSS REFERENCE LIST

	MTL	P2	P3	P4	P5	HQ2K	H3K	H5K	H6K	H7K	H10K	H12K	H15K
	μ i	2500	2300	2200	1400	2000	3000	5000	6000	7000	10000	12000	15000
Ferroxcube(PHILIPS)	3C80 3C85	3F3 3C94	3C96	3F4/3F3.5	3C10 3H3	3E1 3E28	3E4 3C11	3E25	3E27 3E26	3E5 3E55	3E6	3E7	
MAGNETICS	P	R			G	F	J	J	-	W		H	
SAMWHA	PL-5	PL-7	PL-9	PL-F1			SM-50		SM-70S	SM-100		SM-150	
AVX/TPC	B1	B2/F1	F2	F4			A4	A5	A3	A2			
THOMSON	B50	B51			T13		T6	T4					
EPCOS(SIEMENS)	N41 N27 N26	N67 N87	N97 N53	N49	N48	N41 N61	N30	T35	T37 T44	T38	T42	T46	

CHARACTERISTICS CURVE P3





The catalogs can be downloaded at:
www.atd-elektronik.cz/katalogy.html

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