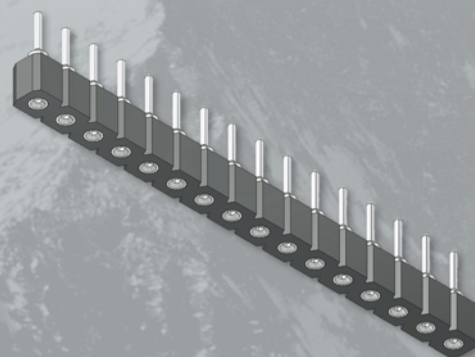
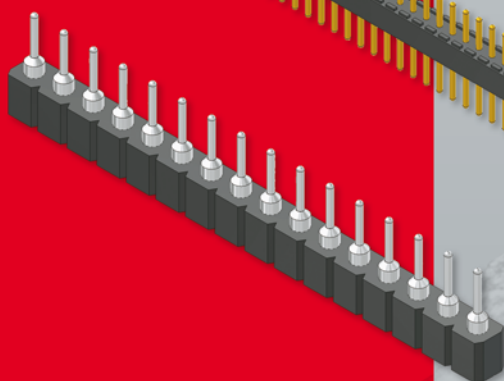
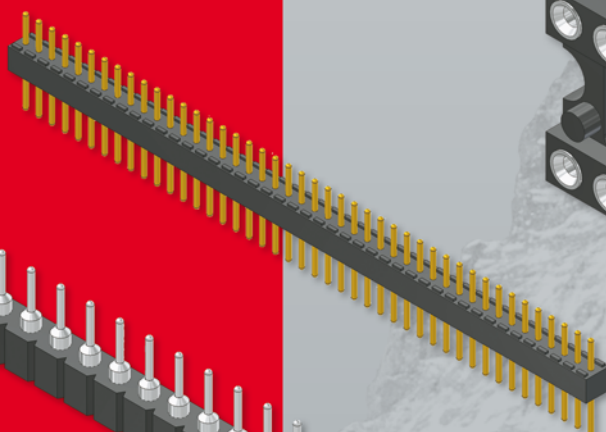
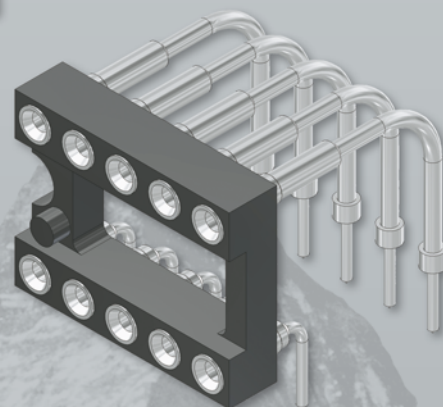
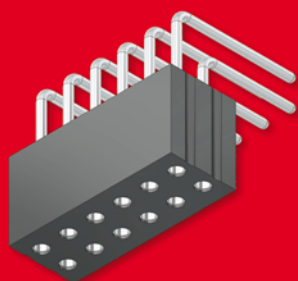
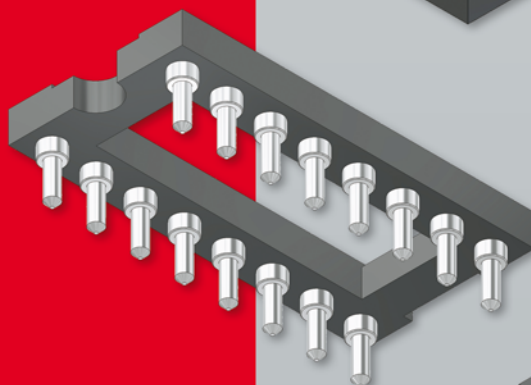
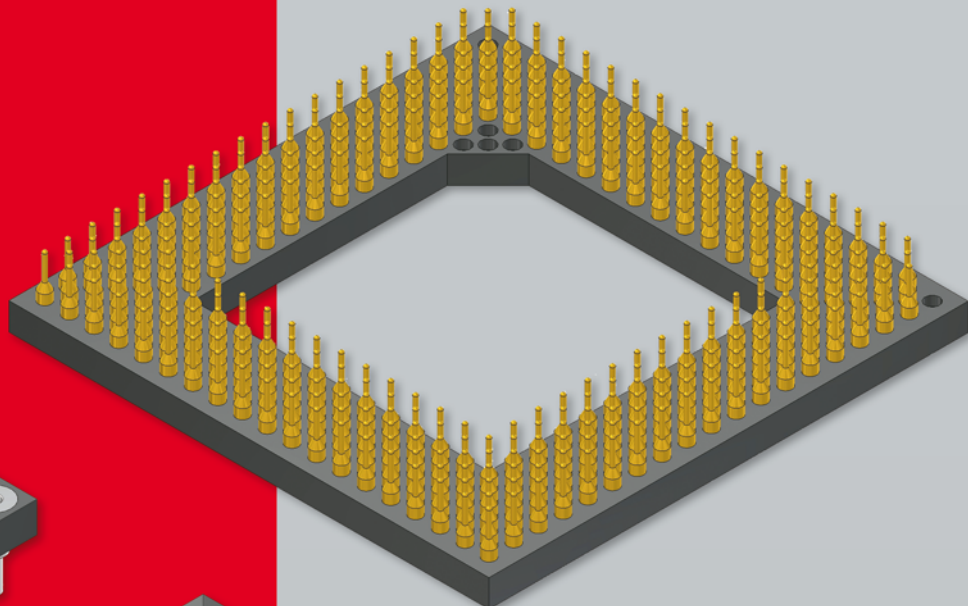
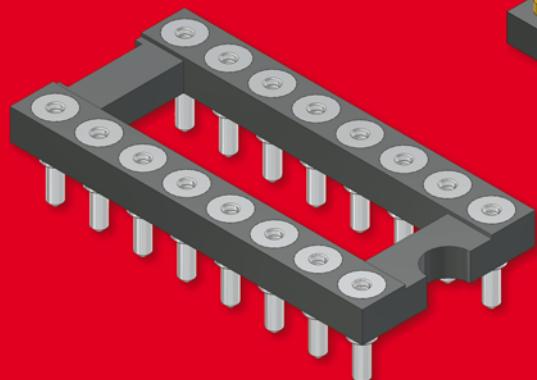


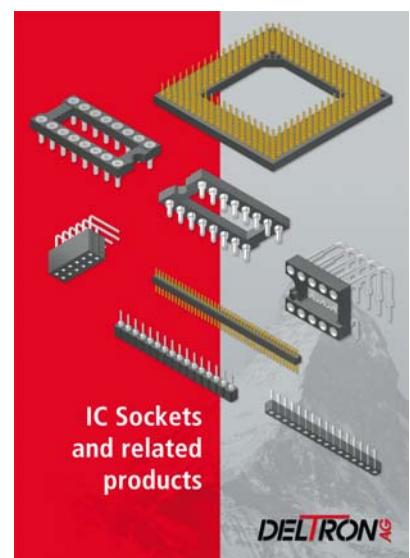
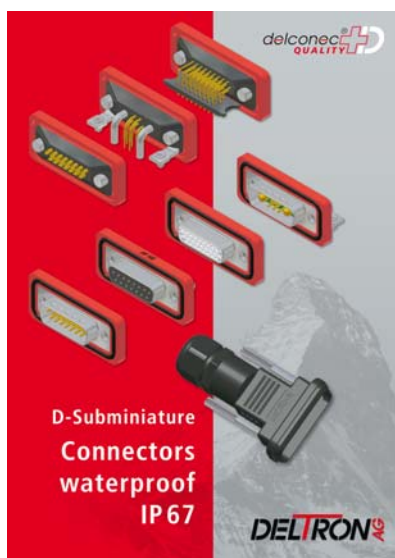
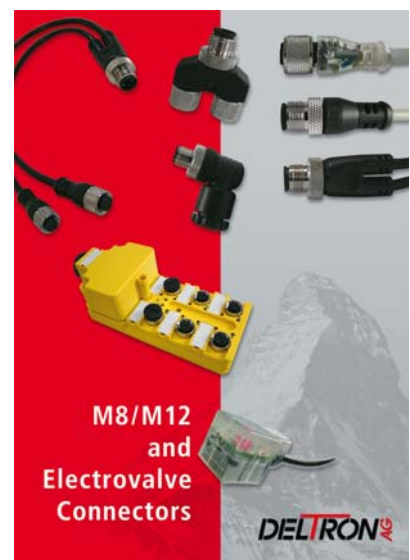
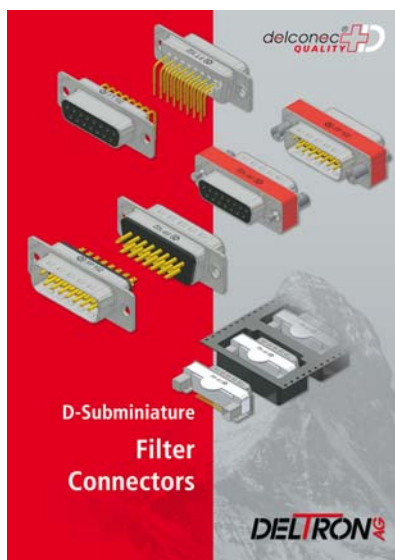
IC Sockets and related products



DELTRON AG

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Vision, Mission & Leitbild der Deltron AG, Kirchberg

Vision

Wir wollen ein führender und innovativer Steckverbinder-Hersteller sein!

Mission

Wir produzieren und vertreiben weltweit elektronische und elektromechanische Komponenten von hohem Qualitätsstandard.

Leitbild

Kundenausrichtung

Wir richten uns nach den Kunden- und Marktbedürfnissen aus. Zusammen mit den Kunden lösen wir Probleme und entwickeln massgeschneiderte Lösungen.

Qualität

Wir halten unsere Vereinbarungen ein und bieten unseren Kunden optimale Sicherheit, Zuverlässigkeit und Wirtschaftlichkeit an. Sämtliche Abläufe sind prozessorientiert und entsprechen den Normvorgaben «IQNet» nach ISO 9001:2000.

Mensch und Umwelt

Wir stützen uns auf motivierte Mitarbeiterinnen und Mitarbeiter ab. Wir unterstützen sie zum Erfolg und lassen sie daran teilhaben. Wir fördern Innovation und Kreativität und sind auch für Unkonventionelles offen. Wir engagieren uns für eine intakte Umwelt und setzen wo möglich umweltschonende Technologie und Material ein.

Wertschöpfung und Erfolg

Wir suchen den Erfolg und streben eine hohe Wertschöpfung an. Unseren Kunden bieten wir einen optimalen Mehrwert an. Wir sind qualitätsbewusst und liefern Produkte und Leistungen mit dem besten Kosten-Nutzen-Verhältnis.

Unabhängigkeit

Wir sind ein unabhängiges Unternehmen im Familienbesitz. Eine Öffnung des Aktionärkreises ist nur vorgesehen für Personen, die im Unternehmen direkt oder indirekt mitarbeiten.

Kirchberg, Juli 2001

Vision, Policy & Guidelines of Deltron AG, Kirchberg

Vision

We intend to be a leading and innovative producer of cable and board level connectors!

Policy

We produce electro-mechanical and electronic components of the highest quality and market them worldwide.

Guidelines

Customer oriented

We orient ourselves according to our customers and market demands. Together with our customers, we provide custom made solutions for specific and special applications.

Quality

We obligate ourselves in offering the best and safest reliable and economical solutions to our customers. All procedures are process oriented and meet the ISO Standard requirements. We are certified ISO 9001:2000 by «IQNet».

Employee and environmental aspects

We encourage innovations and creativity in our workforce. We rely on our motivated employees to master their job function and to participate in the success of Deltron. We are committed in keeping a safe environment. We use environmentally sound technologies and materials whenever possible.

Success and profits

We strive to achieve a high level of success, all the while focusing on a profit level that benefits our various manufacturing and R&D departments so as to keep abreast of the new world markets. Deltron AG is a quality conscious company, manufacturing and supplying products and services with the best possible cost-benefit factors which entitles our customers to profit from an optimal price to performance ratio.

Ownership

We are a privately and family owned company. Admittance of additional shareholders will only be accepted provided they work directly or indirectly for the company.

Kirchberg, July 2001

Standard DIP

610 . NP . SP . F . 0 . LP

Series.
For insulator without center bar
replace 0 by 1 at the serie n° end.

.	Standard
A	Automatic (Only with pin CC)
H	High temperature insulator
HA	High temperature Automatic ass.

Number of pins

Type of contacts

For pitch x2, x3,x4, or other pitch:
Example: 610.20.CC3F0 (2.54X3=7.62)

Length code
(only for series for those is needed)

Clip plating option

.	Clip standard on catalog page
A	SC4
B	SC6.VLI
C	SC6.065
?	Etc.

Pin plating option

Custom DIP

610 . NP / 16 . SP . F . 0 . LP

Series
For insulator without center bar
replace 0 by 1 at the serie n°

.	Standard
A	Automatic (Only with pin CC)
H	High temperature
HA	High temperature Automatic

Number of pins

/ = first version, B,C,... next versions

Number of positions

Type of contacts

Length code
(only for series for those is needed)

Clip plating option

.	Clip standard on catalog page
A	SC4
B	SC6.VLI
?	Etc.

Pin plating option

For pitch x2, x3,x4, or other pitch:
Example: 610.20/16.CC2F0 (2.54X2=5.08)

To order a special DIP

Customer			
Address			
ZIP		City	
Country			
Phone			
Fax			
E-mail			

DIP

The diagram shows a top-down view of a DIP package. It has two rows of pins, each with 16 positions. The top row is labeled with numbers 1 through 16 from left to right. The bottom row is labeled with numbers 16 through 1 from left to right. There are four rectangular areas in the center, representing the insulator or contact points, which are to be filled in if needed.

Series	
Type of construction	
Number of pins	
Number of positions	
Type of contact (can be yours)	
Pin plating option	
Type of clip (can be yours)	
Clip plating option	
Length code (if requested)	

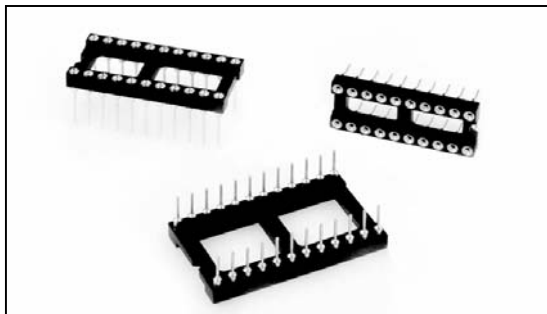
Fill in the holes where you want the contacts. If your request isn't standard, please send us a detailed drawing. For the very specific design, insulator is made in Epoxy.

Series 610, 630, 640, 650, 911

DIP 2.54 mm pitch / Sockets / Solder tail /

Mating pin 0.47 mm / 0.76 / Open frame precision

DELTRON AG



			Pin style	CC / CJ / CM
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	650.10.SP.F.0
NP/2 x 2.54	10.1	7.62	04 06 08 10 12 14 16 18* 20* 22* 24* 28*	610.NP.SP.F.0
NP/2 x 2.54	12.6	10.16	20* 22* 24* 28* 32*	640.NP.SP.F.0
NP/2 x 2.54	17.7	15.24	10 24* 28* 32* 36* 40* 42* 48* 50* 52*	630.NP.SP.F.0
NP/2 x 2.54	25.3	22.86	50 52 64	911.NP.SP.F.0

* For insulator without center bar replace 0 by 1 at the serie N° end.
Example: 611.20.CC.F.0

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

CC / CJ / CM			
SP	CC	CJ	CM
PIN LENGTH X	2.9mm	4.1mm	7mm

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.CC.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000) Soft brass pin (order with A-Automatic version- instead of the mark or after H) Example: 630HA40.CC.F.0
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Examples: 630.28.CC.FB0 or 630H28.CJ.FB0

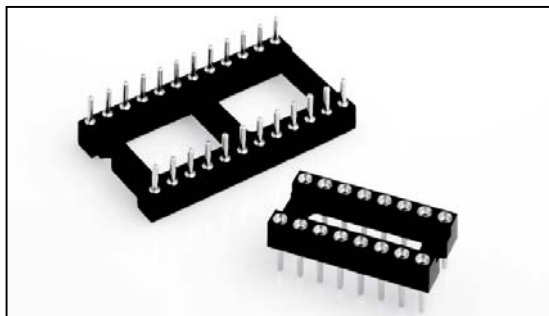
Other mating pin available upon request

To order with inner spring type SC6.065 (insertion Ø0.65-0.85), add letter C after F instead of the mark.

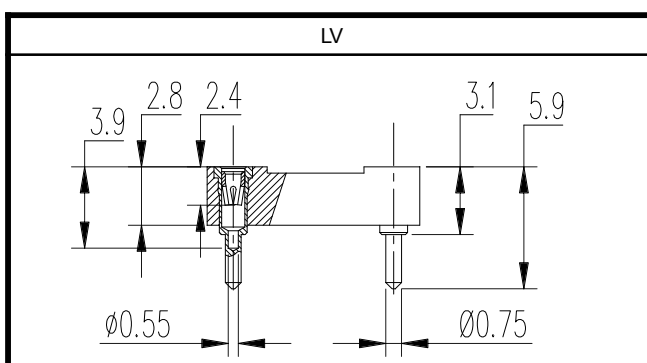
Example: 630.40.CC.FC0

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



			Pin style	LV
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	650.10.LV.F.0
NP/ 2x 2.54	10.1	7.62	04 06 08 10 12 14 16 18 20 22 24 28	610.NP.LV.F.0
NP/ 2x 2.54	12.6	10.16	20 22 24 28 32	640.NP.LV.F.0
NP/ 2x 2.54	17.7	15.24	10 24 28 32 36 40 42 48 50 52	630.NP.LV.F.0
NP/ 2x 2.54	25.3	22.86	50 52 64	911.NP.LV.F.0



TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.LV.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24cAu (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Example: 630.28.LV.F B0

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

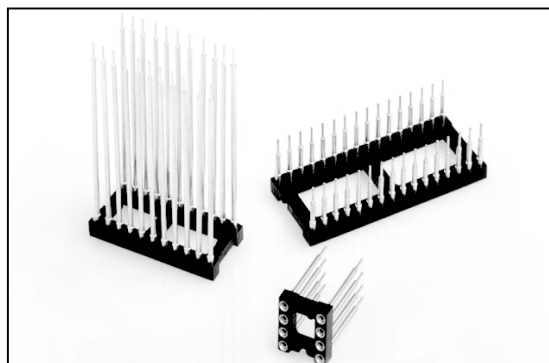
Series 610, 630, 640, 650, 911

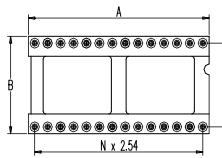
DIP 2.54 mm pitch / Sockets / Solder tail /

Mating pin 0.47 mm / Open frame precision / Elevated pin

DELTRON AG

DIP Dual in-line package



			Pin style	LC
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	650.10.LC.F.0.LP
NP/ 2x 2.54	10.1	7.62	04 06 08 10 12 14 16 18 20 22 24 28	610.NP.LC.F.0.LP
NP/ 2x 2.54	12.6	10.16	20 22 24 28 32	640.NP.LC.F.0.LP
NP/ 2x 2.54	17.7	15.24	10 24 28 32 36 40 42 48 50 52	630.NP.LC.F.0.LP
NP/ 2x 2.54	25.3	22.86	50 52 64	911.NP.LC.F.0.LP

LP PIN LENGTH X (in mm) Other pin length X upon request					
5.6	6.0	7.0	8.0	9.0	10.2
12.0	13.5	15.1	16.3	18.0	22.0
29.0	33.0	35.0			

PLATING OPTIONS

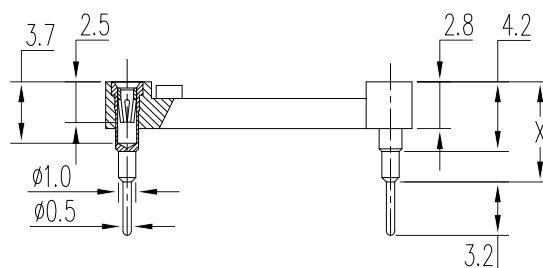
Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

LC



Add length X after the gold plating code

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.LC.F.0.8.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

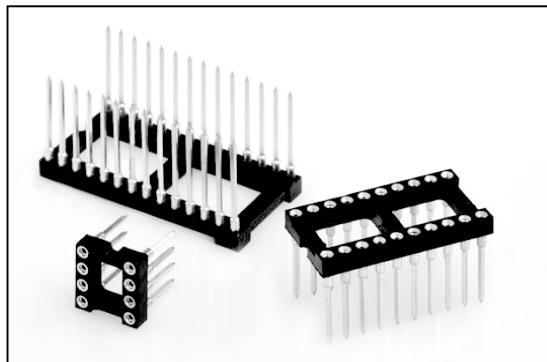
Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

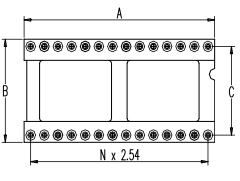
To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

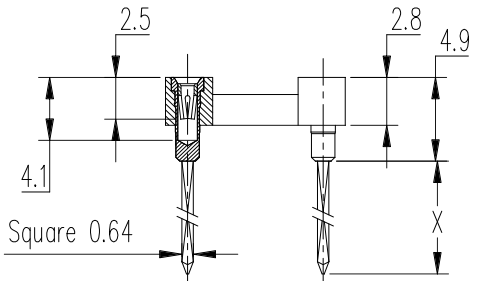
Example: 630.28.LC.FB0.6.0

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



			Pin style	AB / BB / AA / BA
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	650.10.SP.F.0
NP/ 2x 2.54	10.1	7.62	04 06 08 10 12 14 16 18 20 22 24 28	610.NP.SP.F.0
NP/ 2x 2.54	12.6	10.16	20 22 24 28 32	640.NP.SP.F.0
NP/ 2x 2.54	17.7	15.24	10 24 28 32 36 40 42 48 50 52	630.NP.SP.F.0
NP/ 2x 2.54	25.3	22.86	50 52 64	911.NP.SP.F.0

AB / BB / AA / BA				
				
SP	AB	BB	AA	BA
PIN LENGTH X	6.6mm	9.4mm	12.95mm	16.0mm

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.BB.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Examples: 630.28.AB.FB0 or 630H28.BB.FB0

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

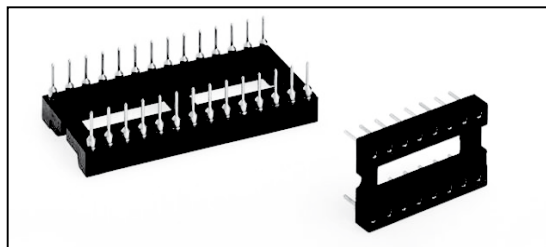
Series 6100, 6300, 6301

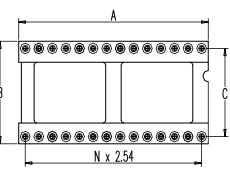
DIP 2.54 mm pitch / Sockets / Solder tail /

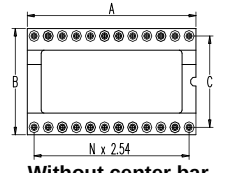
Mating pin 0.47 mm / Open frame precision /

Automatic assembly

DELTRON^{AG}

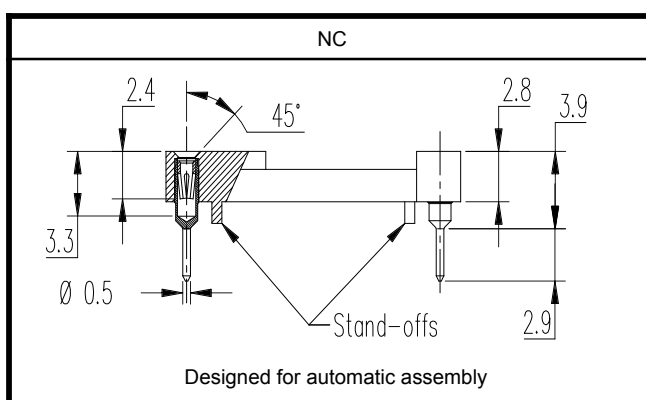


			Pin style	NC
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
NP/ 2x 2.54	10.1	7.62	14 16 18 20 24	6100.NP.NC.F.0
NP/ 2x 2.54	17.7	15.24	24 28 40	6300.NP.NC.F.0

 Without center bar			Pin style	NC
			Plating Sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
NP/ 2x 2.54	17.7	15.24	24 28 40	6301.NP.NC.F.0

To order without stand-off, add the suffix WST after the gold plating code.
Example: 6300.28.NC.D.0WST

PLATING OPTIONS	
Sleeve (pin), change letter F (5.0µm standard Tin) by:	
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS
Contact (clip), change suffix 0 (standard Au 24c flash) by:	
Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS



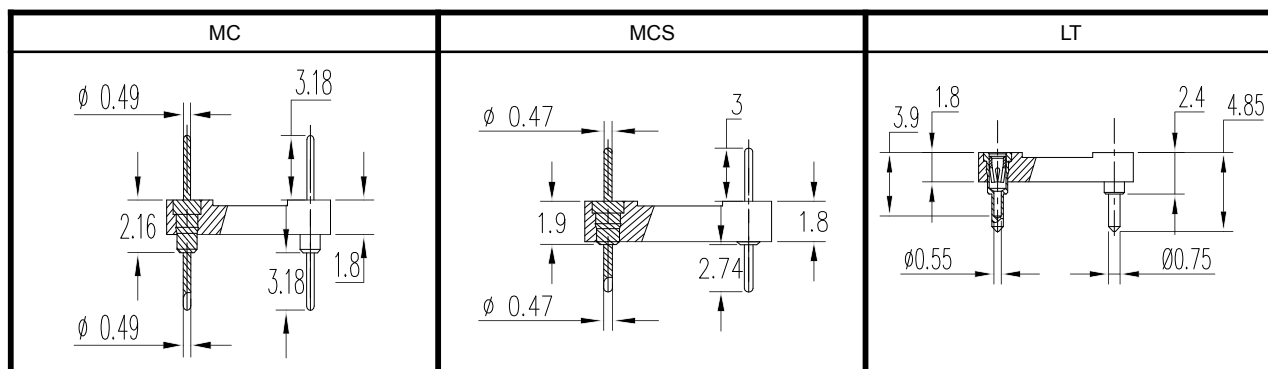
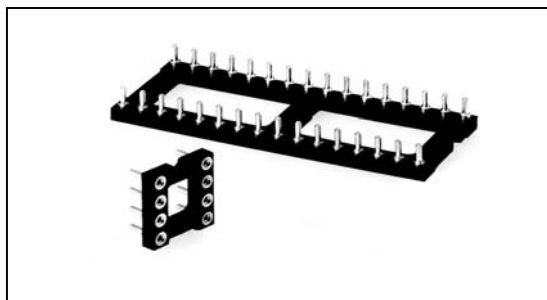
TECHNICAL DATA	
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 Zytel = standard PCT = high temperature (order with H) Please contact us for availability Example: 6300H28.NC.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Example: 6300.28.NC.FB0

ELECTRICAL DATA	
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



			Pin style	MC / MCS / LT
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
NP/ 2x 2.54	10.1	7.62	06 08 10 14 16 18 20 22 24 28	510.NP.SP.F.0
NP/ 2x 2.54	12.6	10.16	20 22 24 28	540.NP.SP.F.0
NP/ 2x 2.54	17.7	15.24	24 28 32 36 40 48 50	530.NP.SP.F.0

* Other pin options can be fitted to the ultra low plastic insulator body. Send your exact technical requirement to the factory with a drawing and quantities.

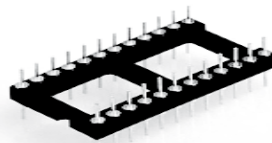
PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS



TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 530H28.LT.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4.SH		SC4	
Insertion	350g max.	Insertion	320g max.
Extraction	100g min.	Extraction	50g min.

To order with inner spring type SC4, add letter A after F instead of the mark.

Example: 510.28.LT.F A0

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

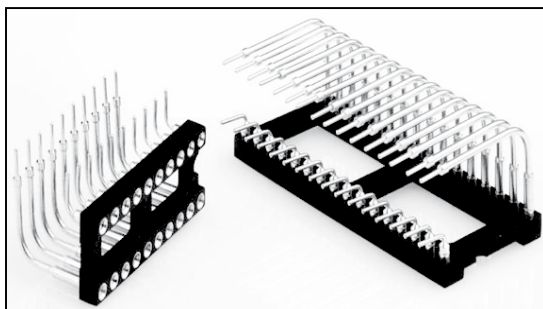
Series 610, 630, 640, 650

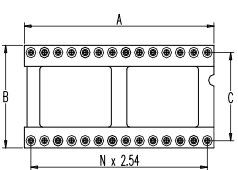
DIP 2.54 mm pitch / Sockets / Solder tail /

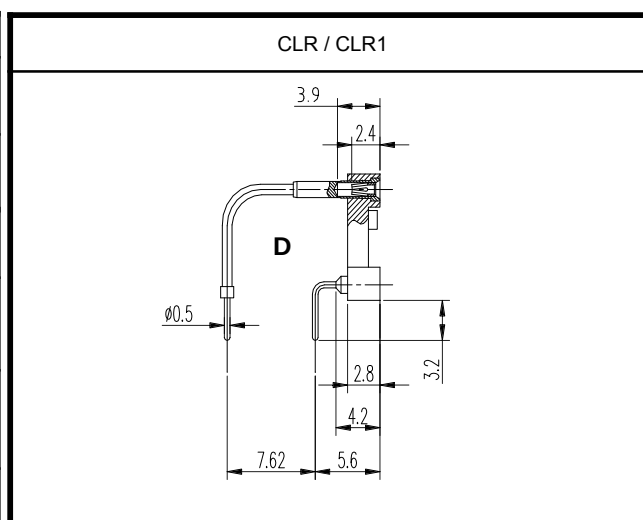
Mating pin 0.47 mm / Right angle / Opened

DELTRON AG

DIP Dual in-line package



				Pin style	CLR / CLR1
				Plating sleeve (pin)	5.0µm Tin
				Plating contact (clip)	Au 24c flash
A	B	C	D	NP Nbr PIN	ORDERING NUMBERS
NP/2 x 2.54	7.6	5.08	CLR = 5.08	10	650.10.CLR.F0
NP/2 x 2.54	10.1	7.62	CLR = 7.62 CLR1 = 2.54	04 06 08 10 14 16 18 20 22 24 28	610.NP.SP.F0
NP/2 x 2.54	12.6	10.16	CLR = 7.62	22 24 28 32	640.NP.CLR.F0
NP/2 x 2.54	17.7	15.24	CLR = 7.62	16 24 28 32 36 40 42 48 50 52	630.NP.CLR.F0



TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.CLR.F0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

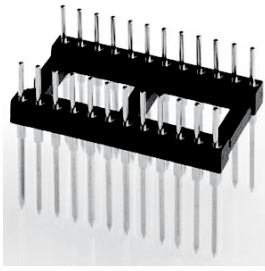
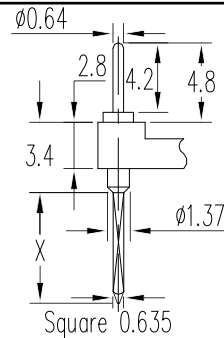
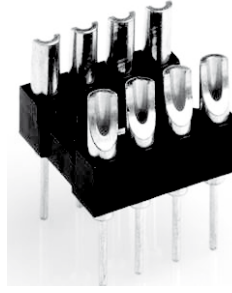
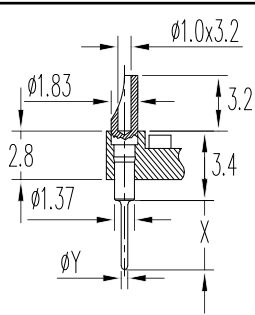
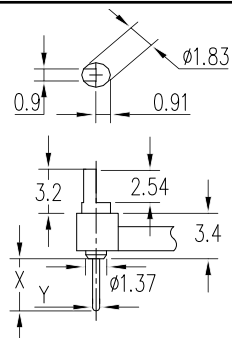
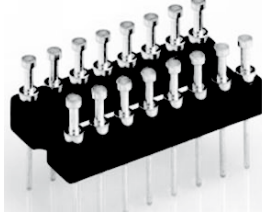
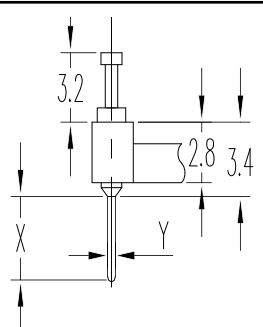
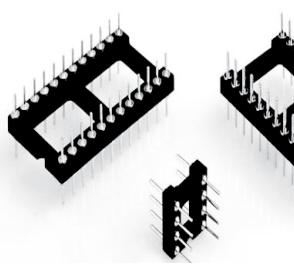
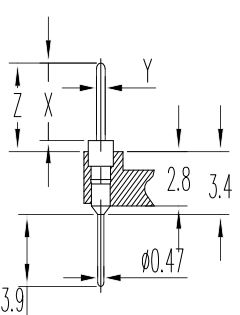
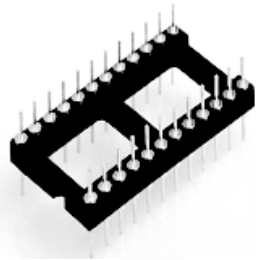
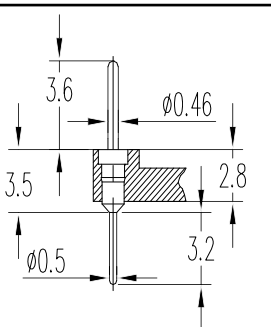
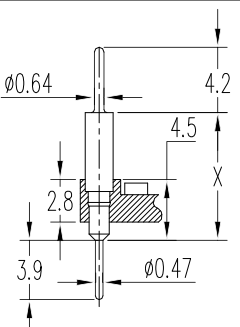
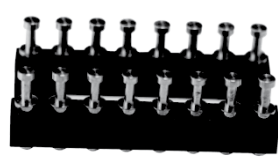
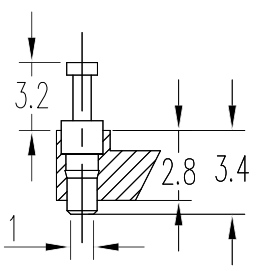
Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Example: 630.28.CLR.FB0

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

RR / SS 	 Dimensions: $\phi 0.64$, 2.8, 4.2, 4.8, 3.4, $\phi 1.37$, X, Square 0.635	XX / LL / MM 	 Dimensions: $\phi 1.0 \times 3.2$, $\phi 1.83$, 2.8, $\phi 1.37$, X, ϕY
FF / JJ / KK 	 Dimensions: $\phi 1.83$, 0.9, 0.91, 3.2, 2.54, 3.4, X, Y, $\phi 1.37$	TC / WT / WU 	 Dimensions: 3.2, 2.8, 3.4, X, Y
TT / TU 	 Dimensions: Z, X, Y, 2.8, 3.4, $\phi 0.47$, 3.9	MC 	 Dimensions: 3.6, $\phi 0.46$, 3.5, 2.8, $\phi 0.5$, 3.2
PB 	 Dimensions: $\phi 0.64$, 4.2, 4.5, X, 2.8, 3.9, $\phi 0.47$	TC.SMV (Surface mount) 	 Dimensions: 3.2, 2.8, 3.4, 1

Series 610, 630, 640, 650, 911
DIP 2.54 mm pitch / Headers / Solder tail /
Connecting pin 0.47 mm / Open frame precision



			Pin style	RR / SS / XX / LL / MM / FF / JJ / KK / TC / WT / WU / TT / TU / MC / PB / TC.SMV
			Plating sleeve (pin)	5.0µm Tin
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	650.10.SP.F
NP/2 x 2.54	10.1	7.62	04 06 08 10 14 16 18 20 22 24	610.NP.SP.F
NP/2 x 2.54	12.6	10.16	22 24 28 32	640.NP.SP.F
NP/2 x 2.54	17.7	15.24	10 24 28 32 36 40 42 48 50 52	630.NP.SP.F
NP/2 x 2.54	25.3	22.86	50 52 64	911.NP.SP.F

mm SP \	X	Y	Z
RR	12.95	-	-
SS	9.4	-	-
XX Solder cup strip	3.9	Ø 0.5	-
LL Solder cup strip	12.95	Sq 0.635	-
MM Solder cup strip	9.4	Sq 0.635	-
FF Slotted head strip	3.9	Ø 0.5	-
JJ Slotted head strip	12.95	Sq 0.635	-
KK Slotted head strip	9.4	Sq 0.635	-
TC Turred head strip	3.9	Ø 0.5	-
WT Turred head strip	12.95	Sq 0.635	-
WU Turred head strip	9.4	Sq 0.635	-
TT	4.2	Ø 0.64	4.8
TU	3.7	Ø 0.5	4.3
PB Piggy-back	6.4 / 8.4 / 15.4 / 21.2 / 27.4	-	-

* This page describes the standards available.
If you wish other dimensions please contact the factory or
submit your technical data.

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash
- Ø .D tin / lead non-RoHS
- Ø .S 0.25µm gold plating (connecting side)
5µm tin (PCB side)
- Ø .S only available for MC style

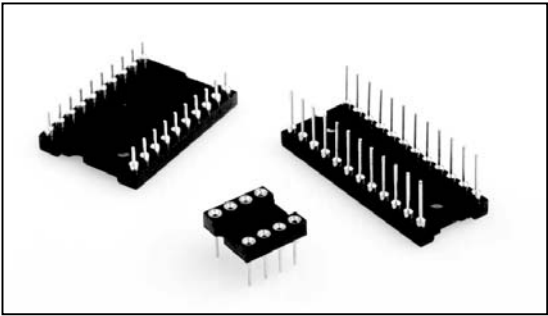
TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.TT.F
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

To order the Piggy-back, change LP by length X.
Example: 630.32.PB.F.15.4

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



			Pin style	
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
NP/2 x 2.54	10.1	7.62	04 06 08 10 12 14 16 18 20 22 24	102.NP.SP.F0
NP/2 x 2.54	12.6	10.16	22 24 (*1)	400.NP.SP.F0
NP/2 x 2.54	17.7	15.24	24 28 32 36 40 48 (*1)	300.NP.SP.F0
*1) Availability from 4 positions				

All the open versions can be ordered in closed ones by changing the serie code.

TO ORDER CLOSED DIP

Replace 610 by 102
630 by 300
640 by 400

Examples:
630.40.CC.F0 300.40.CC.F0
610.10.TT.F 102.10.TT.F
640.22.CC.C.4 400.22.CC.C.4
630.28.CLR.F1 300.28.CLR.F1
610.20.LC.F0.6.0 102.20.LC.F0.6.0
640.24.FFC 400.24.FFC
610.04.AA.F0 102.04.AA.F0
etc.

All pin styles are available for both open and closed versions.

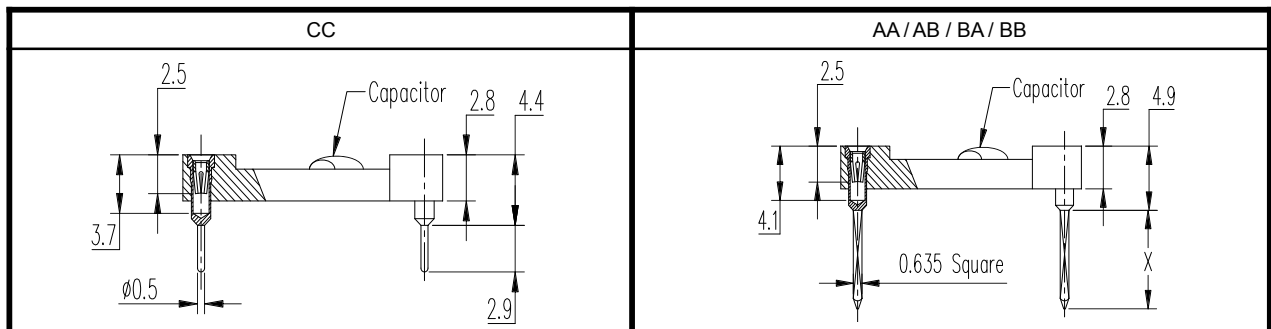
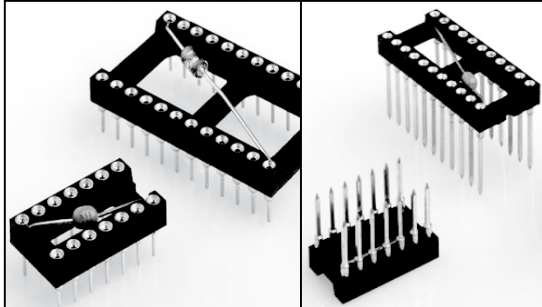
Series 619, 639, 649

DIP 2.54 mm pitch / Sockets / Solder tail /

Wire-wrap / Mating pin 0.47 mm /

Integral decoupling capacitor

DELTRON^{AG}



			Pin style	CC / AB / BB / AA / BA
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
NP/2 x 2.54	10.1	7.62	14 16 18 20 22 24	619.NP.SP.F.0
27.8	12.6	10.16	22	649.22.SP.F.0
NP/2 x 2.54	17.7	15.24	24 28 40	639.NP.SP.F.0

SP	CC	AA	AB	BA	BB
PIN LENGTH X	2.9mm	12.95mm	6.6mm	16.0mm	9.4mm

TECHNICAL DATA

Temperature range	-25°C to +85°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 639H28.CC.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

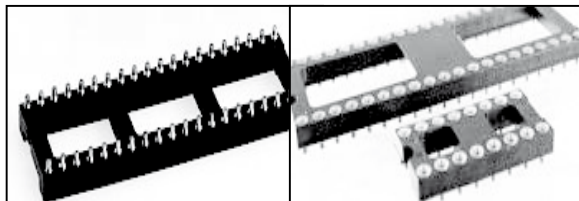
Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

Standard SC4

Insertion	320g max.
Extraction	50g min.

ELECTRICAL DATA

Capacitor value	0.1µF (another value upon request)
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



			Pin style	CCST
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	5102H10.SP.F.0
NP/2 x 2.54	10.1	7.62	04 06 08 10 14 16 18 20 22 24 28	1102HNP.SP.F.0
NP/2 x 2.54	12.6	10.16	22 24 28 32	4400HNP.SP.F.0
NP/2 x 2.54	17.7	15.24	24 28 32 36 40 42 48	3300HNP.SP.F.0
			Pin style	PCCST / BCCST
			Plating Sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	5102H10.SP.F.0
NP/2 x 2.54	10.1	7.62	*04 *06 *08 *10 *14 *16 *18 *20 *22 *24 *28	1102HNP.SP.F.0
NP/2 x 2.54	12.6	10.16	22 24 28 32	4400HNP.SP.F.0
NP/2 x 2.54	17.7	15.24	24 *28 *32 36 *40 *42 48	3300HNP.SP.F.0

Actually only * positions are available on stock. For other versions, contact the customer service.

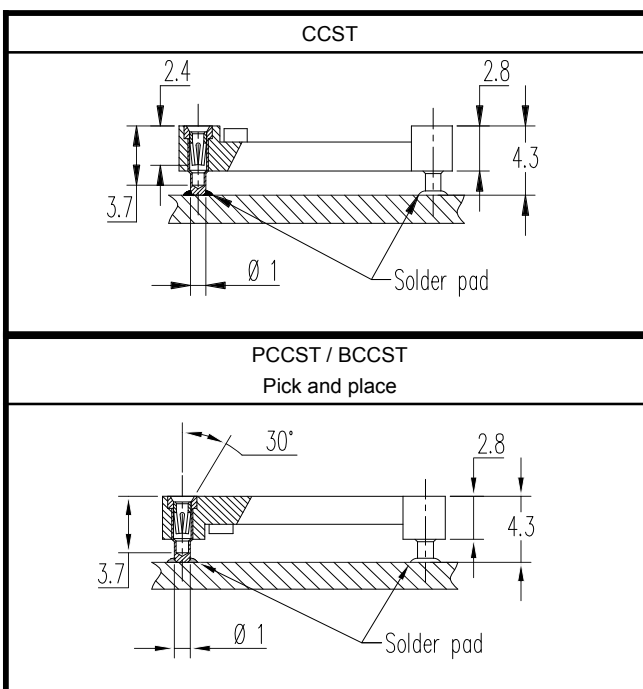
PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS



TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4

Insertion	320g max.
Extraction	50g min.

For socket pick and place

PCCST	with standard packaging tube
BCCST	with tape & reel packaging
Examples:	1102H28.PCCST.F.0 (tube) 1102H28.BCCST.F.0 (blister)

ELECTRICAL DATA

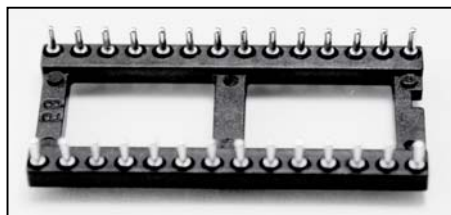
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 1102, 5102, 3300, 4400

DIP 2.54 mm pitch / Headers / Floating pin /

Mating pin 0.47 mm / Pick & place / Surface mount

DELTRON AG



			Pin style	TUST / PMHST / PMHSST
			Plating sleeve (pin)	5.0µm Tin
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	5102H10.SP.F.0
NP/2 x 2.54	10.1	7.62	04 06 08 10 14 16 18 20 22 24 28	1102HNP.SP.F.0
NP/2 x 2.54	12.6	10.16	22 24 28 32	4400HNP.SP.F.0
NP/2 x 2.54	17.7	15.24	24 28 32 36 40 42 48	3300HNP.SP.F.0
			Pin style	PTUST / PPMHST / PPMHSST
			Plating Sleeve (pin)	5.0µm Tin
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	5102H10.SP.F.0
NP/2 x 2.54	10.1	7.62	*04 *06 *08 *10 *14 *16 *18 *20 *22 *24 *28	1102HNP.SP.F.0
NP/2 x 2.54	12.6	10.16	22 24 28 32	4400HNP.SP.F.0
NP/2 x 2.54	17.7	15.24	24 *28 *32 36 *40 *42 48	3300HNP.SP.F.0

Actually only * positions are available on stock. For other versions, contact the customer service.

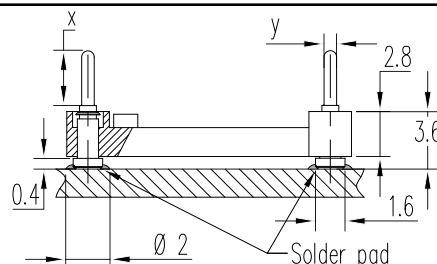
PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .D tin / lead non-RoHS

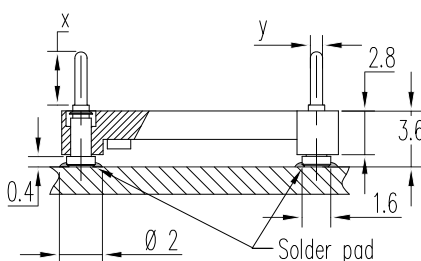
SP	TUST PTUST	PMHST PPMHST	PMHSST PPMHSST
PIN LENGTH X	3.6mm	5.0mm	3.6mm
PIN LENGTH Y	Ø 0.47mm	Ø 0.76mm	Ø 0.76mm

TUST / PMHST / PMHSST



PTUST / PPMHST / PPMHSST

Pick and place



TECHNICAL DATA

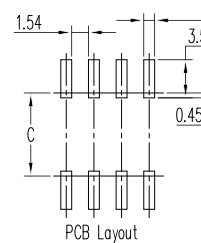
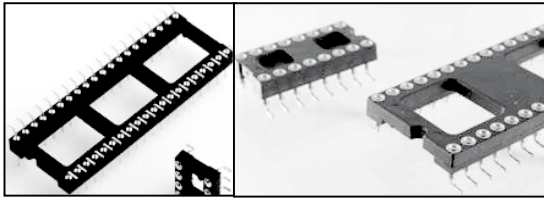
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

For socket pick and place

PTUST	with standard packaging tube
BTUST	with tape & reel packaging
Examples:	1102H28.PTUST.F.0 (tube) 1102H28.BTUST.F.0 (blister)

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



				Pin style	CL / ML
				Plating sleeve (pin)	5.0µm Tin
				Plating contact (clip)	Au 24c flash
A	B	C		NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08		10	5112H10.SP.F.0
NP/2 X 2.54	10.1	7.62		04 06 08 10 14 16 18 20 22 24 28	1112HNP.SP.F.0
NP/2 X 2.54	12.6	10.16		22 24 28 32	4440HNP.SP.F.0
NP/2 X 2.54	17.7	15.24		24 28 32 36 40 42 48	3330HNP.SP.F.0
				Pin style	PCL / BCL / PML / BML
				Plating sleeve (pin)	5.0µm Tin
				Plating contact (clip)	Au 24c flash
A	B	C	D	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08		10	5112H10.SP.F.0
NP/2 x 2.54	10.1	7.62	5.0 7.6 10.1 12.6 5.3 8.3	04 06* 08* 10* 14* 16* 18* 20* 22* 24* 28*	1112HNP.SP.F.0
NP/2 x 2.54	12.6	10.16	8.3 10	22 24 28 32	4440HNP.SP.F.0
NP/2 x 2.54	17.7	15.24	10	24 28* 32* 36 40* 42* 48	3330HNP.SP.F.0

Actually only * positions are available on stock. For other versions, contact the customer service.

PLATING OPTIONS

(only available for ML and PML type)

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .D tin / lead non-RoHS
- Ø .S 0.25µm gold plating (connecting side)
5µm tin (PCB side)

Contact (clip), change suffix 0 (standard Au 24c flash) by:

- Ø .1 0.25µm average Au
- Ø .2 0.50µm average Au
- Ø .3 0.75µm average Au
- Ø .4 0.75µm minimum 24c Au (MIL STD)
- Ø .6 5.0µm tin
- Ø .00 5.0µm tin / lead non-RoHS

CL	ML
PCL	PML
Pick and place	

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4

Insertion	320g max.
Extraction	50g min.

For insulator pick and place

PCL / PML with standard packaging tube

BCL / BML with tape & reel packaging

Examples: 1112H28. PCL.F.0 (tube)

1112H28. BCL.F.0 (blister)

ELECTRICAL DATA

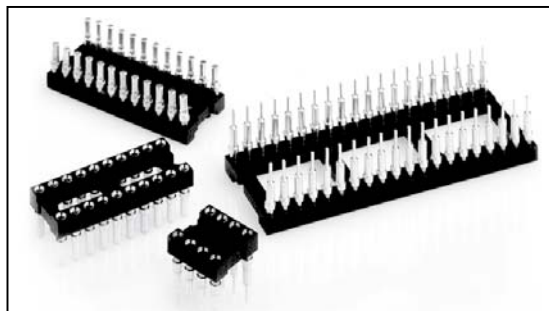
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 610, 630, 640, 650, 911

DIP 2.54 mm pitch / Sockets / Solder tail /

Mating pin 0.47 mm / Plastic carrier

DELTRON AG



DIP Dual in-line package

CC.CC	CC.CK	CC.CCWT	CC.CKWT

			Pin style	CC.CC / CC.CK / CC.CCWT / CC.CKWT
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	650.10.SP.F0
NP/2 x 2.54	10.1	7.62	04 06 08 10 12 14 16 18 20 22 24 28	610.NP.SP.F0
NP/2 x 2.54	12.6	10.16	20 22 24 28 32	640.NP.SP.F0
NP/2 x 2.54	17.7	15.24	10 24 28 32 36 40 42 48 50 52	630.NP.SP.F0
NP/2 x 2.54	25.3	22.86	50 52 64	911.NP.SP.F0

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.CC.CK.F0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

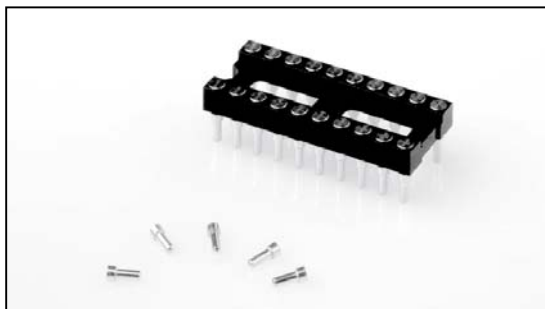
Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

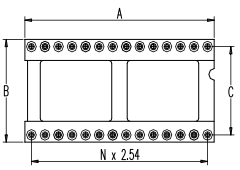
To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Examples: 630.28.CC.CC.FB0
630.28.CC.CK.FB0
630.28.CC.CCWT.FB0
630.28.CC.CKWT.FB0

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



			Pin style	CN.SWT / CN.SWU
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
12.6	7.6	5.08	10	650.10.SP.F.0
NP/ 2x 2.54	10.1	7.62	04 06 08 10 12 14 16 18 20 22 24 28	610.NP.SP.F.0
NP/ 2x 2.54	12.6	10.16	20 22 24 28 32	640.NP.SP.F.0
NP/ 2x 2.54	17.7	15.24	10 24 28 32 36 40 42 48 50 52	630.NP.SP.F.0
NP/ 2x 2.54	25.3	22.86	50 52 64	911.NP.SP.F.0

PLATING OPTIONS

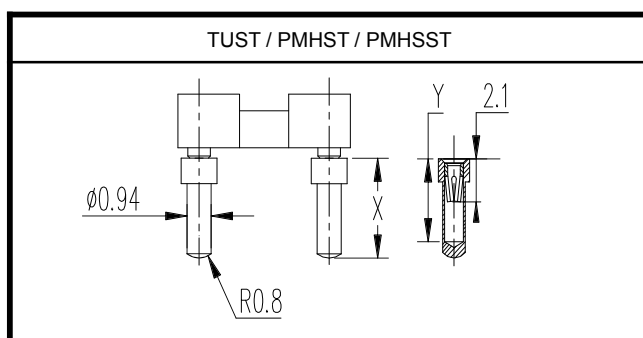
Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

SP	CN.SWT	CN.SWU
PIN LENGTH X	3.6mm	6.3mm
HOLE DEPTH Y	3.2mm	5.9mm



TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 630H28.CN.SWT.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC3	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.35-0.50
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC3

Insertion	150g max.
Extraction	30g min.

ELECTRICAL DATA

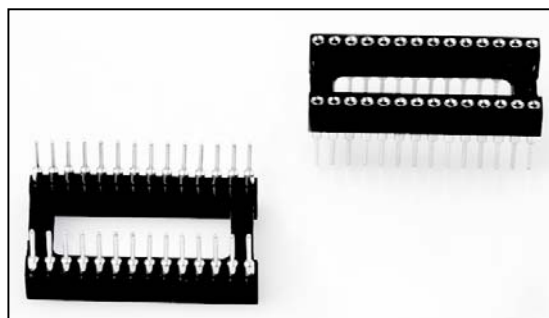
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 720, 721, 722, 723, 7212

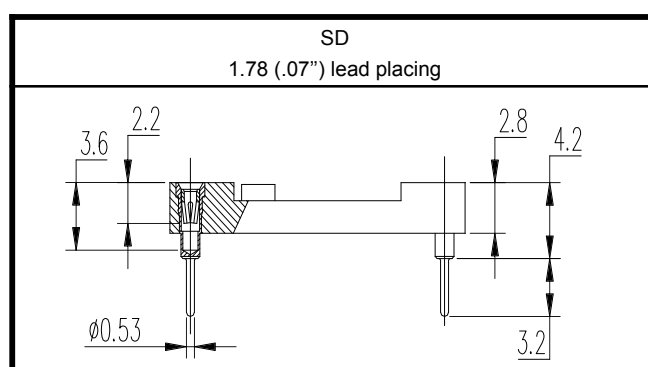
DIP 1.78 mm pitch / Sockets /

Shrinkdip 1.78 spacing solder tail / Mating pin 0.47 mm

DELTRON AG



			Pin style	SD
			Plating sleeve (pin)	5.0µm Tin
			Plating contact (clip)	Au 24c flash
A	B	C	NP Nbr PIN	ORDERING NUMBERS
14.6	10.1	7.62	16	723H16.SD.F.0
NP/2 x 1.778	12.6	10.16	28 30 32 48	722HNP.SD.F.0
NP/2 x 1.778	17.7	15.24	20 24 28 40 42 48 52 56 64 68	721HNP.SD.F.0
57.2	21.45	19.05	64	7212H64.SD.F.0
CLOSED FRAME				
57.2	21.45	19.05	64	720H64.SD.F.0
• Options available upon request: 1) Surface mount shrinkdip with gull wing terminations Series 721HNP.CL.F.0 2) Shrinkdip pin header, solder tail Series 721HNP.MC.F.0				



TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature (order with H)
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin

Standard SC4

Insertion	320g max.
Extraction	50g min.

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Standard SIP

2002 . NP . SP . F . 0 . LP

Series.
For insulator without center bar
replace 0 by 1 at the serie n° end.

.	Standard
A	Automatic (Only with pin CC)
H	High temperature insulator
HA	High temperature Automatic ass.

Number of pins

Type of contacts

Length code
(only for series for those is needed)

Clip plating option

.	Standard on catalog page
A	SC4
B	SC6.VLI
C	SC6.065
?	Etc.

Pin plating option

Example: 2002H20.CL4F.0 (2.54X4=10.16)

Available with Positioning options (see GUIDE AND PAD description page 29)

Custom SIP

2002 . NP / 16 . SP . F . 0 . LP

Series
For insulator without center bar
replace 0 by 1 at the serie n°

.	Standard
A	Automatic (Only with pin CC)
H	High temperature
HA	High temperature Automatic

Number of pins

/ = first version, B,C,... next versions

Number of positions
2022.8/16.CC.F.0

Type of contacts

Length code
(only for series for those is needed)

Clip plating option

.	Standard on catalog page
A	SC4
B	SC6.VLI
?	Etc.

Pin plating option

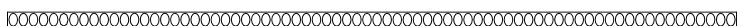
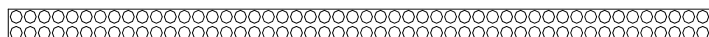
Example: 2002H20/16.LT 2F.0 (2.54X2=5.08)

Available with Positioning options (see GUIDE AND PAD description page 29)

To order a special SIP

Customer			
Address			
ZIP	City		
Country			
Phone			
Fax			
E-mail			

SIP



Series	
Type of construction	
Number of pins	
Number of positions	
Type of contact (can be yours)	
Pin plating option	
Type of clip (can be yours)	
Clip plating option	
Length code (if requested)	

Fill in the holes where you want the contacts. If your request isn't standard, please send us a detailed drawing. For the very specific design, insulator is made in Epoxy.

Series 2002, 2022

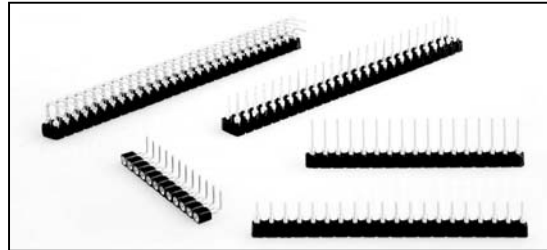
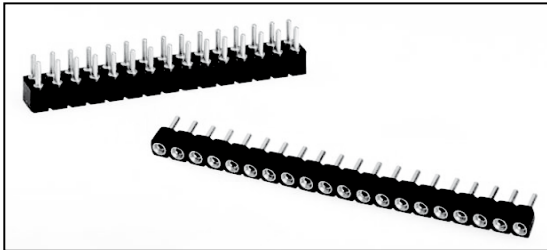
SIP 2.54 mm pitch / Sockets / Solder tail /
Mating pin 0.47 mm / Right angle / Breakable



SIP single in-line package

CL		CLS		CC / CJ / CM					
2002		2022		2002		2022			
Mating pin 0.47mm				Mating pin stand 0.47mm / 0.76 (only straight version) SIP IC sockets					
SP				CC		CJ		CM	
PIN LENGTH X				2.9mm		4.1mm		7mm	

LV		AA / AB / BA / BB			
2002		2022		2002	2022
Very low profile SIP sockets		Wire-wrap			
SP		AA	AB	BA	BB
PIN LENGTH X		12.95mm	6.6mm	16.0mm	9.4mm



Pin style		CC / CJ / CM / CL / CLS / LV / AA / AB / BA / BB
Plating sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 64 (*1)	2002.NP.SP.F0
2022	64 72 (*2)	2022.NP.SP.F0

*1) Availability from 1 to 64 contacts
*2) Availability from 2 to 72 contacts

PLATING OPTIONS	
Sleeve (pin), change letter F (5.0µm standard Tin) by:	
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS
Contact (clip), change suffix 0 (standard Au 24c flash) by:	
Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA			
Temperature range		-55°C to +125°C	
Insulator body		Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2002H28.CL.F0	
Outer shell (sleeve)		Screw machined Brass CuZn36Pb3 (C36000)	
Inner spring contact SC4		Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45	
Insertion / Extraction		Ø0.43 test pin Other forces available upon request.	

Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.
Example: 2002.20.CC.FB0

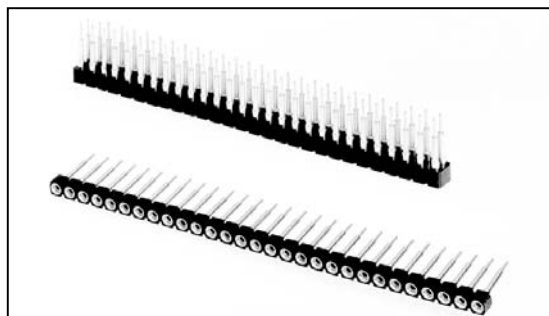
Other mating pin available upon request
To order with inner spring type SC6.065 (insertion Ø0.65-0.85), add letter C after F instead of the mark.
Example: 2002.40.CC.FC0 (only right version)

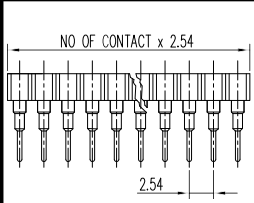
ELECTRICAL DATA	
Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 2002, 2022

SIP 2.54 mm pitch / Sockets / Solder tail /
Mating pin 0.47 mm / Breakable / Elevated pin

DELTRON AG

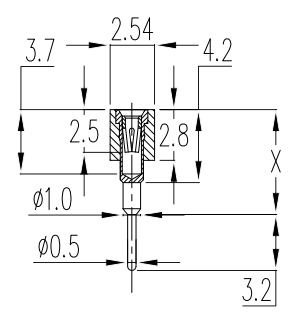
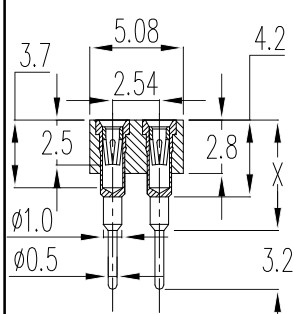


	Pin style	LC
	Plating sleeve (pin)	5.0µm Tin
	Plating contact (clip)	Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 64 (*1)	2002.NP.LC.F.0.LP
2022	64 72 (*2)	2022.NP.LC.F.0.LP

*1) Availability from 1 to 64 contacts
*2) Availability from 2 to 72 contacts

LP PIN LENGTH X (in mm) Other pin length X upon request					
5.6	6.0	7.0	8.0	9.0	10.2
12.0	13.5	15.1	16.3	18.0	22.0
29.0	33.0	35.0			

PLATING OPTIONS	
Sleeve (pin), change letter F (5.0µm standard Tin) by:	
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS
Contact (clip), change suffix 0 (standard Au 24c flash) by:	
Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

LC	
2002	2022
	

TECHNICAL DATA

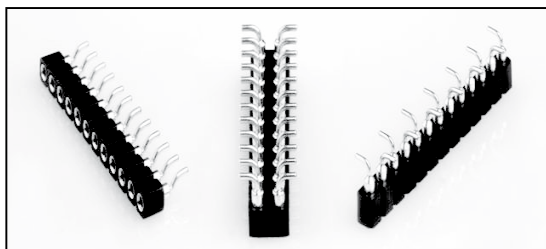
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2022H28.LC.F.0.8.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.
Example: 2002H14.LC.FB0.6.0

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



CC.SMH		CCST		CC.SMV	
2002		2002	2022	2002	2022
For Pick and Place, see Series 4001 PMH.SMHP		PCB Board ϕ 1.5			
		Floating pin			

Pin style		CC.SMH / CCST / CC.SMV
Plating sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 64 (*1)	2002HNP.SP.F
2022	64 72 (*2)	2022.NP.SP.F
*1) Available from: 3 to 64 contacts		
*2) Available from: 4 to 72 contacts		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

• Other height available: 7mm instead of 5.6mm

Please contact the customer service.

Available with Positioning options

(see GUIDE AND PAD description page 29)

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4

Insertion	320g max.
Extraction	50g min.

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 2002, 2022

SIP 2.54 mm pitch / Headers / Solder tail /

Wire-wrap / Connecting pin 0.47 mm / Right angle /

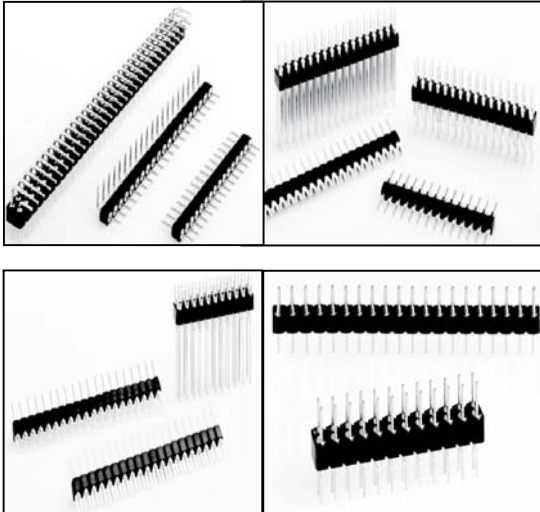
Breakable / Turret and slotted head / Strip /

Solder cup / Piggy-back

DELTRON AG

TC / WT / WU		FF / JJ / KK	
2002	2022	2002	2022
TT / TU		PB	
2002	2022	2002	2022
XX / LL / MM		RR / SS	
2002	2022	2002	2022
ML / MLS		MC	
2002	2022	2002	2022

SIP 2.54 mm pitch / Headers / Solder tail /
Wire-wrap / Connecting pin 0.47 mm / Right angle /
Breakable / Turret and slotted head / Strip /
Solder cup / Piggy-back



Pin style		TC / WT / WU / FF / JJ / KK / TT / TU / XX / LL / MM / RR / SS
Plating sleeve (pin)		5.0µm Tin
		For FF / JJ / KK: 5.0 µm Sn Tin / Lead
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 60 64 (*1)	2002HNP.SP.F
2022	64 72 (*2)	2022HNP.SP.F
*1) Availability from 1 to 64 contacts		
*2) Availability from 2 to 72 contacts		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash
- Ø .D tin / lead non-RoHS
- Ø .S 0.25µm gold plating (connecting side)
5µm tin (PCB side)
- Ø .S only available for TU style

SP \ mm	X	Y	Z
TC	3.9	Ø 0.5	-
WT	12.95	Sq 0.635	-
WU	6.4	Sq 0.635	-
FF	3.9	Ø 0.5	-
JJ	12.95	Sq 0.635	-
KK	9.4	Sq 0.635	-
TT	4.2	Ø 0.64	4.8
TU	3.7	Ø 0.5	4.3
PB	6.4 / 8.4 / 15.4 / 21.2 / 27.4	-	-
XX	3.9	Ø 0.5	-
LL	12.95	Sq 0.635	-
MM	9.4	Sq 0.635	-
RR	12.95	-	-
SS	9.4	-	-

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2002H28.TTF
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

To order PB type, please add length X after the gold plating code
Example: 2002.24.PB.F.8.4

ELECTRICAL DATA

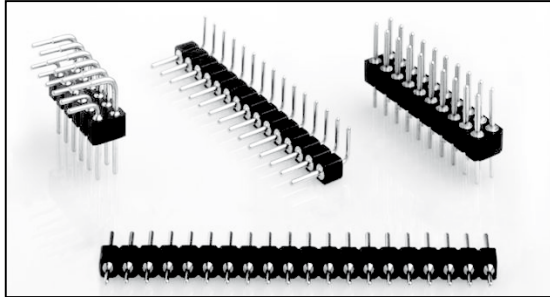
Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 2002, 2022

SIP 2.54 mm pitch / Headers / Solder tail /

Connecting pin 0.76 mm

DELTRON AG



PMH / PMHS / PMH7	
2002	2022

PMHH		PMH.F.L	
2002	2022	2002	2022

Pin style		PMH / PMHS / PMH7 / PMHH / PMH.F.L
Plating sleeve (pin)		5.0µm Tin
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 64 (*1)	2002.NP.SP.F
2022	64 72 (*2)	2022.NP.SP.F
2002	20 32 64 (*1)	2002.NP.PMH.F.L
2022	64 72 (*2)	2022.NP.PMH.F.L

*1) Availability from 1 to 64 contacts

*2) Availability from 2 to 72 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash
- Ø .D tin / lead non-RoHS
- Ø .S 0.25µm gold plating (connecting side)
5µm tin (PCB side)
- Ø .S only available for PMH, PMHS and PMH7 style

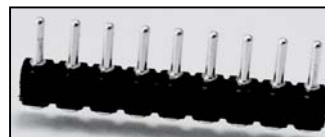
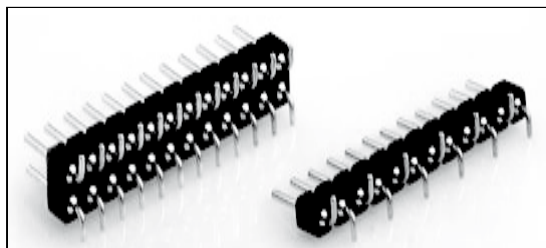
SP	mm	X	Y
PMHS		3.6	3.2
PMH		5.0	3.2
PMHH		4.3	4.76 (=0.8+2.8+1.16)
PMH7		7	3.2

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2002H32.PMH.F
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



PMH.SMV / PMHS.SMV		PMH.SMH	PMHST / PMHSST
2002	2022	2002	2002 2022

SP	PMHST	PMHSST
PIN LENGTH X	5.0mm	3.6mm

Pin style		PMH.SMV / PMHS.SMV / PMH.SMH / PMH.SMHP / PMHST / PMHSST
Plating sleeve (pin)		5.0µm Tin
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 60 64 (*1)	2002HNP.SP.F
2022	40 44 56 64 72 (*2)	2022HNP.SP.F
2002	20 32 60 64 (*3)	2002HNP.SP.F
4001	48 (*4)	4001HNP.SP.F

*1) Available from: 3 to 64 contacts

*2) Available from: 4 to 72 contacts

*3) Available from: 2 to 64 contacts

*4) Available from: 1 to 48 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash
- Ø .D tin / lead non-RoHS
- Ø .S 0.25µm gold plating (connecting side)
5µm tin (PCB side)

PMH.SMHP
4001 (Pick and place)

Available with Positioning options
(see GUIDE AND PAD description page 29)

* You can get a 2.8mm instead of a 3.8mm one for the single row version by ordering 2502H....

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature (order with H) Example: 2002H32.PMH.SMV.F
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

ELECTRICAL DATA

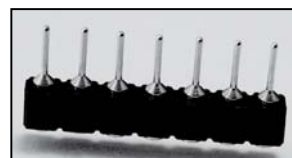
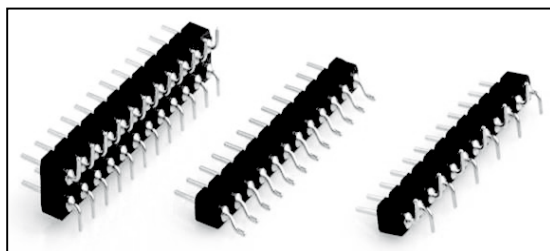
Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 2002, 2022

SIP 2.54 mm pitch / Headers / Gull wing /

Floating pin / Surface mount

DELTRON AG



TU.SMV		TU.SMH	TUST
2002	2022	2002	2002 2022
NO OF CONTACT x 2.54	NO OF CONTACT x 2.54	NO OF CONTACT x 2.54	PCB board ϕ 2 Floating pin

Available with Positioning options
(see GUIDE AND PAD description page 29)

Pin style		TU.SMV / TU.SMH / TU.SMHP / TUST
Plating sleeve (pin)		5.0 μ m Tin
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 60 64 (*1)	2002HNP.SP.F
2022	40 44 56 64 72 (*2)	2022.NP.SP.F
2002	20 32 60 64 (*3)	2002.NP.SP.F
4001	48 (*4)	4001HNP.SP.F

*1) Available from: 3 to 64 contacts

*2) Available from: 4 to 72 contacts

*3) Available from: 1 to 64 contacts

*4) Available from: 1 to 48 contacts

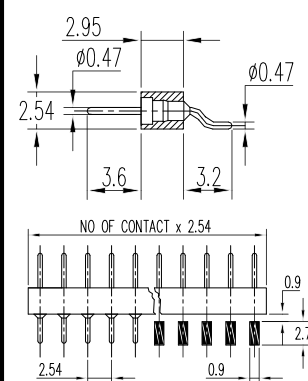
PLATING OPTIONS

Sleeve (pin), change letter F (5.0 μ m standard Tin) by:

- $\emptyset$.C 0.25 μ m gold plating
- $\emptyset$.O gold flash
- $\emptyset$.D tin / lead non-RoHS
- $\emptyset$.S 0.25 μ m gold plating (connecting side)
5 μ m tin (PCB side)

TU.SMHP

4001 (Pick and place)



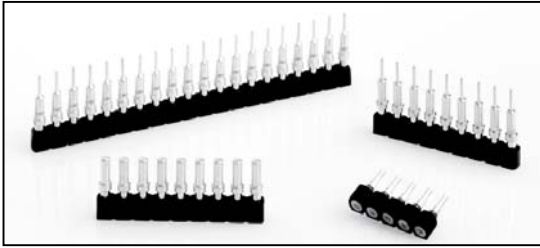
* You can get a 3mm instead of a 4mm one for the single row version by ordering 2502H....

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 m Ω max
Dielectric strength	1000 V _{RMS} min



CC.CC		CC.CK		CC.CCWT		CC.CKWT		CN.SWT / CN.SWU	
2002	2022	2002	2022	2002	2022	2002	2022	2002	2022

Pin style		CC.CC / CC.CK / CC.CCWT / CC.CKWT / CN.SWT / CN.SWU
Plating sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2002	20 32 64 (*1)	2002HNP.SP.F
2022	64 72 (*2)	2022.NP.SP.F
*1) Availability from 1 to 64 contacts		
*2) Availability from 2 to 72 contacts		

SP	CN.SWT	CN.SWU
PIN LENGTH X	3.6mm	6.3mm
PIN LENGTH Y	3.2mm	5.9mm

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2022H28.CC.CK.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Example: 2022.32.CC.CK.FB0

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

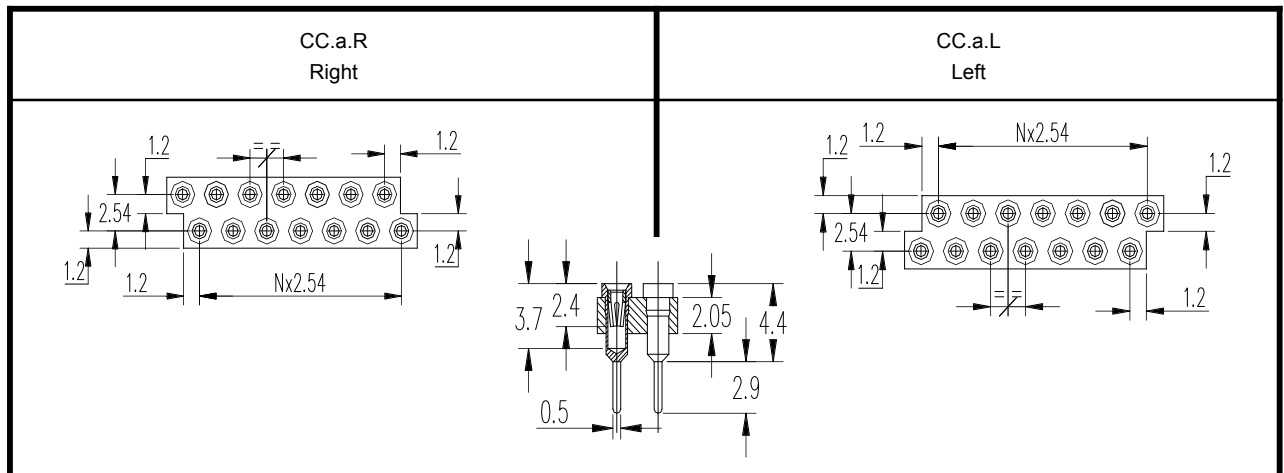
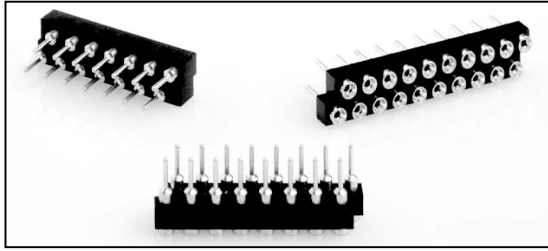
Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

Series 2022.ZZ

SIP 2.54 mm pitch / Sockets / Solder zig-zag /

Mating pin 0.47 mm

DELTRON AG



Pin style		CC.a.R / CC.a.L
Plating sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2022	14* 16 20	2022.ZZ.NP.CC.F0.R
	24 28 30 40	2022.ZZ.NP.CC.F0.L
14* : pin strips are not stackable end to end		
Pin CC can be changed by all pins suitable for series 2002 and 2022 in straight version.		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash
- Ø .D tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

- Ø .1 0.25µm average Au
- Ø .2 0.50µm average Au
- Ø .3 0.75µm average Au
- Ø .4 0.75µm minimum 24c Au (MIL STD)
- Ø .6 5.0µm tin
- Ø .00 5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2022.ZZH28.CC.F0.R
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

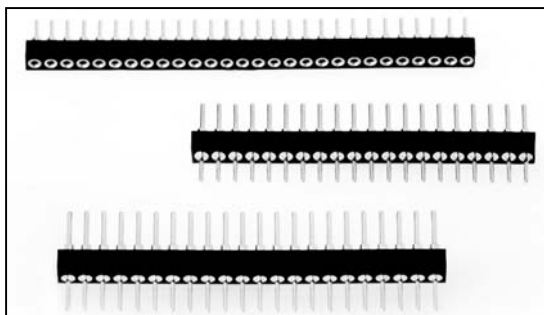
Standard SC4		SC6.VLI	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI, add letter B after F instead of the mark.

Example: 2022.ZZ.24.CC.FB0.R

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



SD	MC	LC

Pin style		SD / MC / LC
Plating sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
SD	21 38 (*1)	2700.NP.SP.F0
MC	21 38 (*1)	2700.NP.SP.F
LC	21 38 (*1)	2700.NP.SP.F0.LP

*1) Availability from 1 to 38 contacts

SP	LC	
PIN LENGTH X	8.5mm	10.0mm
PIN LENGTH Y	3.2mm	4.0mm

PLATING OPTIONS	
Sleeve (pin), change letter F (5.0µm standard Tin) by:	
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS
Contact (clip), change suffix 0 (standard Au 24c flash) by:	
Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature Example: 2700H32.SD.F0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45

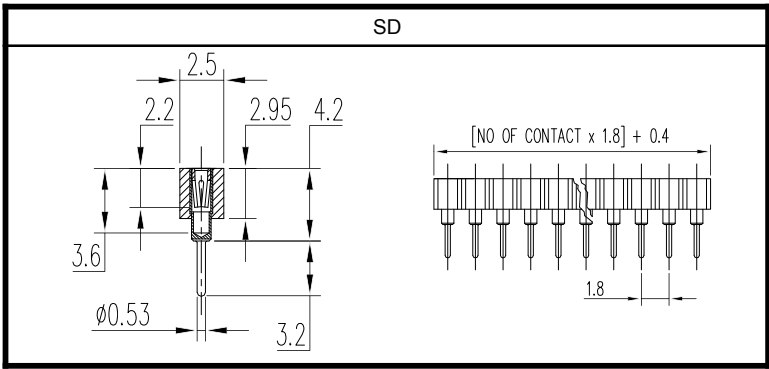
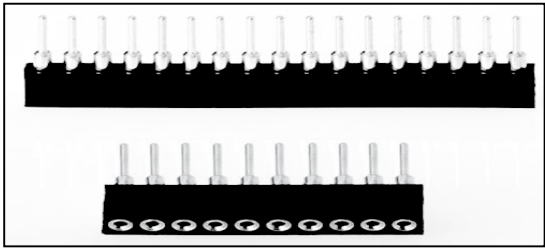
Standard SC4	
Insertion	320g max.
Extraction	50g min.

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 2800

SIP / Sockets / Shrinksip 1.8 spacing solder tail / Breakable



Pin style		SD
Plating sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2800	42 (*1)	2800.NP.SP.F.0

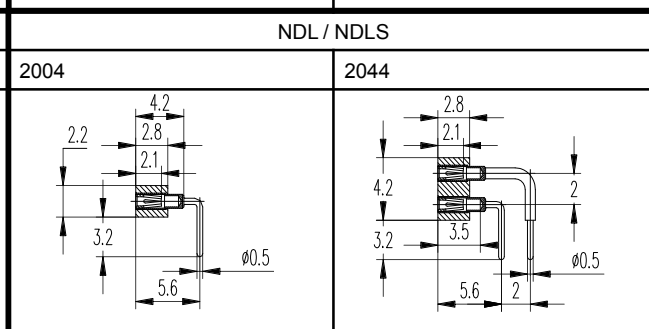
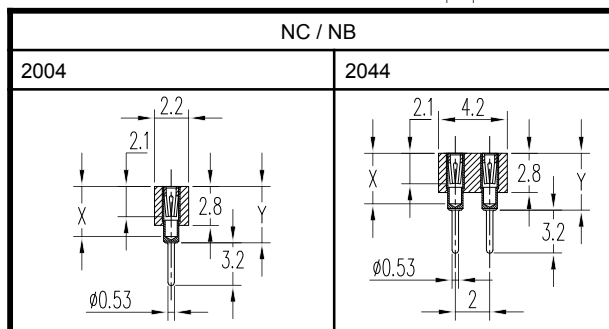
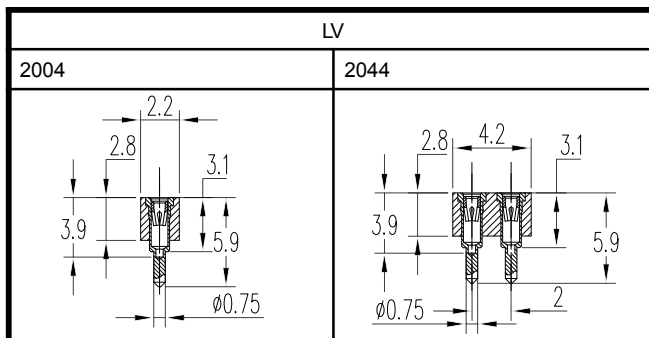
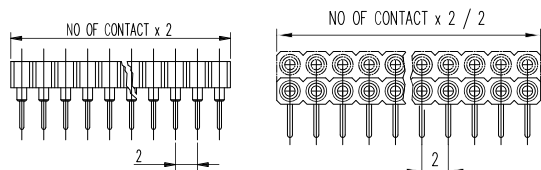
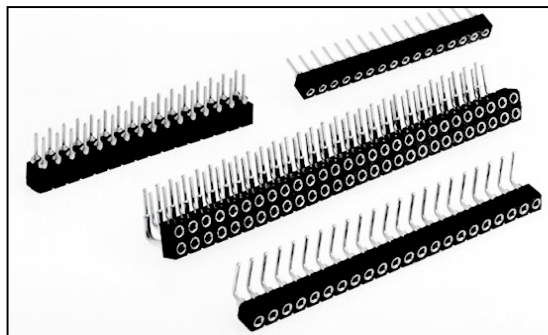
*1) Availability from 1 to 42 contacts

PLATING OPTIONS	
Sleeve (pin), change letter F (5.0µm standard Tin) by:	
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS
Contact (clip), change suffix 0 (standard Au 24c flash) by:	
Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA	
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature Example: 2800H32.SD.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC4	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45

Standard SC4	
Insertion	320g max.
Extraction	50g min.

ELECTRICAL DATA	
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



SP	NC	NB
X	3.2mm	3.6mm
Y	3.8mm	4.2mm

Pin style		NC / NB / NDL / NDLS / LV
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2004	50 (*1)	2004HNP.SP.F.0
2044	100 (*2)	2044HNP.SP.F.0

*1) Availability from 1 to 50 contacts

*2) Availability from 4 to 100 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash
- Ø .D tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

- Ø .1 0.25µm average Au
- Ø .2 0.50µm average Au
- Ø .3 0.75µm average Au
- Ø .4 0.75µm minimum 24c Au (MIL STD)
- Ø .6 5.0µm tin
- Ø .00 5.0µm tin / lead non-RoHS

TECHNICAL DATA

- Temperature range** -55°C to +125°C
- Insulator body** Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0
LCP = high temperature
- Outer shell (sleeve)** Screw machined Brass CuZn36Pb3 (C36000)
- Inner spring contact SC4** Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45 and for square 0.50mm with SC6.VLI
- Insertion / Extraction** Ø0.43 test pin
Other forces available upon request.

Standard SC4		SC6.VLI For square 0.50mm	
Insertion	320g max.	Insertion	70g max.
Extraction	50g min.	Extraction	10g min.

To order with inner spring type SC6.VLI (strongly advised mating pin square 0.50mm), add letter B after F instead of the mark.
Example: 2004H28.ND.FB0

The NC series is available in the press-fit version NCPF.

For solderless mount in a PCB of thickness 1.5-2.4 mm, with plated thru-holes Ø 0.71+/- 0.06 mm.

ELECTRICAL DATA

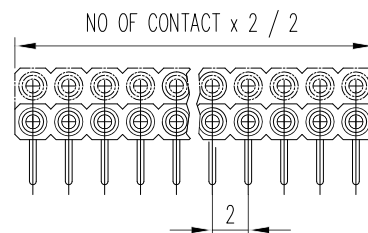
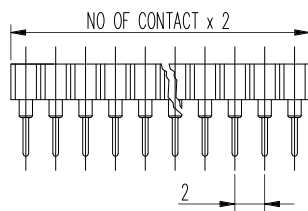
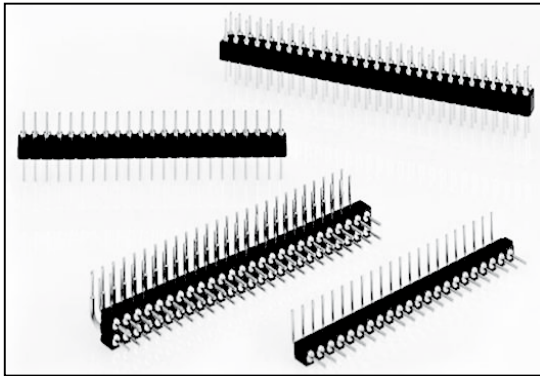
- Rated current** 3A
- Maxi working voltage** 100V_{RMS} / 150 V_{dc}
- Contact resistance** 10 mΩ max
- Dielectric strength** 1000 V_{RMS} min

Series 2004, 2044

SIP 2 mm pitch / Sockets and Headers /

Solder tail / Mating pin 0.47 mm / Breakable

DELTRON^{AG}



MD		MDL		MDLS	
2004	2044	2004	2044	2004	2044

Pin style		MD / MDL / MDLS /
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2004	50 (*1)	2004HNP.SP.F
2044	100 (*2)	2044HNP.SP.F
*1) Availability from 1 to 50 contacts		
*2) Availability from 4 to 100 contacts		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

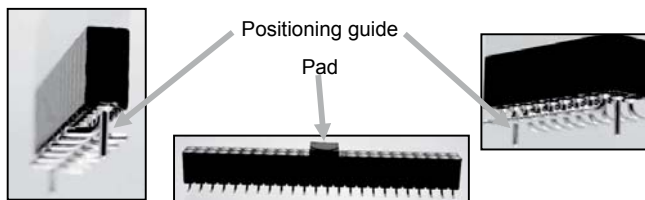
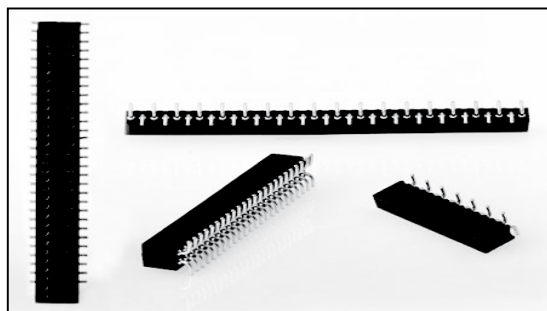
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS
Ø .S	0.25µm gold plating (connecting side)
Ø .S	5µm tin (PCB side)
Ø .S	only available for MC style

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0
	LCP = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



FH.SMV		
4002	4022	4042
Technical drawing of 4002 SIP socket and pin dimensions. Dimensions include: 0.4, 2.2, 2.5, 3.4, 4.1, 5.2, 0.44, 3.4, 2.7, 4.4, 1.27, 0.8. Formula: NO OF CONTACT x 1.27 + 0.41.	Technical drawing of 4022 SIP socket and pin dimensions. Dimensions include: 0.4, 3.25, 1.27, 2.5, 3.4, 3.8, 5.2, 0.44, 4.9, 2.47, 6, 1.27, 0.8. Formula: NO OF CONTACT / 2 x 1.27 + 0.41.	Technical drawing of 4042 SIP socket and pin dimensions. Dimensions include: 0.4, 4.42, 2.54, 2.5, 3.4, 3.8, 5.2, 0.44, 6.17, 2.45, 7.2, 1.27, 0.8. Formula: NO OF CONTACT / 2 x 1.27 + 0.41.

Pin style		FH.SMV
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	4002HNP.FH.SMV.F0
4022	100 (*2)	4022HNP.FH.SMV.F0
4042	100 (*2)	4042HNP.FH.SMV.F0
*1) Availability from 3 to 50 contacts		
*2) Availability from 4 to 100 contacts		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

Available with Positioning options

(see GUIDE AND PAD description page 29)

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC3	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.35-0.50
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC3

Insertion	150g max.
Extraction	30g min.

ELECTRICAL DATA

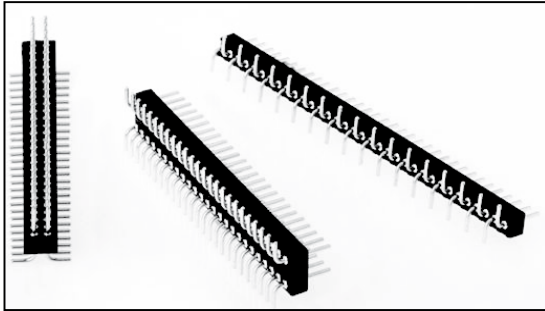
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	20 mΩ max
Dielectric strength	500 V _{RMS} min

Series 4002, 4022, 4042

SIP 1.27 mm pitch / Headers / Gull wing /

Breakable / Surface mount

DELTRON AG



MH.SMV		
4002	4022	4042
*For a whole insulator: tolerance = +0.41 *For a cut insulator: tolerance = ±0.2		

Available with Positioning options
(see GUIDE AND PAD description page 29)

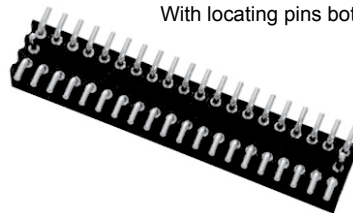
Pin style		FH.SMV
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	4002HNP.MH.SMV.F0
4022	100 (*2)	4022HNP.MH.SMV.F0
4042	100 (*2)	4042HNP.MH.SMV.F0
*1) Availability from 3 to 50 contacts *2) Availability from 4 to 100 contacts		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash
- Ø .D tin / lead non-RoHS

With locating pins bottom view

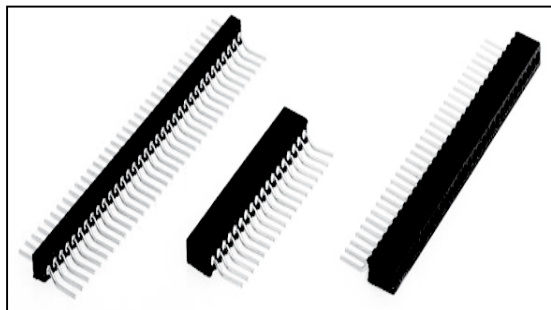


TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	20 mΩ max
Dielectric strength	500 V _{RMS} min



PACKAGING OPTIONS

Box	Standard Example: 4002HNP.MH.SMH.F.0
Tape & Reel	Change the dash after NP into B Example: 4002HNPMH.SMH.F.0
Tube	Change the dash after NP into T Example: 4002HNPTMH.SMH.F.0
Tray	Change the dash after NP into R Example: 4002HNPRMH.SMH.F.0

Please contact the customer service for availability

MH.SMH	MH.SMHP	MH.SMHS	FH.SMH / FH.SMHS
*For a whole insulator: tolerance = +0.41 *For a cut insulator: tolerance = ±0.2			

Pin style		MH. SMH / MH.SMHP / MH.SMHS / FH.SMH / FH.SMHS
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	4002HNP.FH.SMH.F.0
4002	50 (*1)	4022HNP.MH.SMH.C

*1) Availability from 1 to 50 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

SP	FH.SMH	FH.SMHS
PIN LENGTH X	4.8	3.7

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC3	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.35-0.50
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC3

Insertion	150g max.
Extraction	30g min.

ELECTRICAL DATA

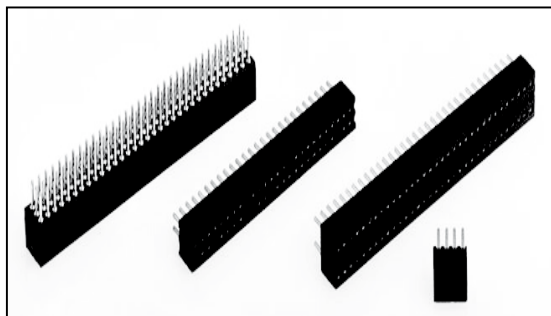
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	20 mΩ max
Dielectric strength	500 V _{RMS} min

Series 4002, 4022, 4042, 4222

SIP 1.27 mm pitch / Sockets / Mating pin 0.43 mm /

Breakable

DELTRON^{AG}



FH			
4002	4022	4042	4222

Pin style		FH
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	4002HNP.FH.F.0
4022	100 (*2)	4022HNP.FH.F.0
4042	100 (*2)	4042HNP.FH.F.0
4222	150 (*3)	4222HNP.FH.F.0
*1) Availability from 1 to 50 contacts *2) Availability from 4 to 100 contacts *3) Availability from 9 to 150 contacts		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

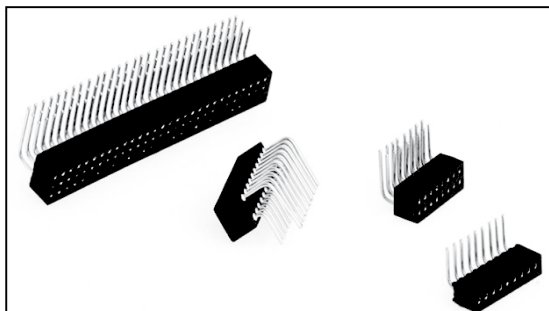
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0
	PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC3	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.35-0.50
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC3

Insertion	150g max.
Extraction	30g min.

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	20 mΩ max
Dielectric strength	500 V _{RMS} min



FH.FL			
4002	4022	4042	4222

Pin style		FH.F.L
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	4002HNP.FH.F.L.0
4022	100 (*2)	4022HNP.FH.F.L.0
4042	100 (*2)	4042HNP.FH.F.L.0
4222	150 (*3)	4222HNP.FH.F.L.0

*1) Availability from 1 to 50 contacts
*2) Availability from 4 to 100 contacts
*3) Availability from 6 to 150 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC3	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.35-0.50
Insertion / Extraction	Ø0.43 test pin Other forces available upon request.

Standard SC4.SM

Insertion	150g max.
Extraction	30g min.

ELECTRICAL DATA

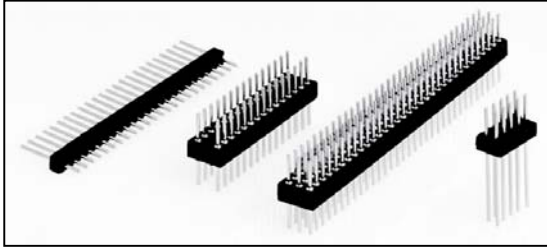
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	20 mΩ max
Dielectric strength	500 V _{RMS} min

Series 4002, 4022, 4042, 4222

SIP 1.27 mm pitch / Headers / Mating pin 0.43 mm /

Breakable

DELTRON AG



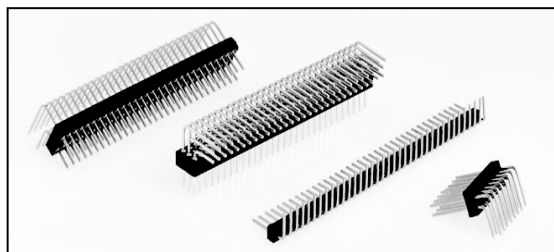
MH			
4002	4022	4042	4222
*For a whole insulator: tolerance = +0.41 *For a cut insulator: tolerance = ±0.2			

Pin style		MH
Plating Sleeve (pin)		5.0µm Tin
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	4002HNP.MH.C.LP
4022	100 (*2)	4022HNP.MH.C.LP
4042	100 (*2)	4042HNP.MH.C
4222	150 (*3)	4222HNP.MH.C
*1) Availability from 1 to 50 contacts *2) Availability from 4 to 100 contacts *3) Availability from 9 to 150 contacts		

LP	X
08	3.2mm
09	3.6mm
12	6.6mm
13	7.9mm
15	10.0mm
Other pin length X upon request.	

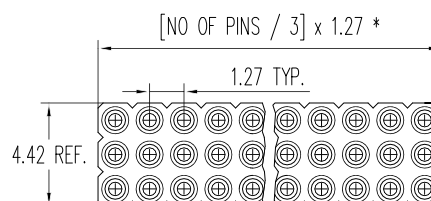
TECHNICAL DATA	
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature (order with H) Example: 2700H32.SD.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
ELECTRICAL DATA	
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	20 mΩ max
Dielectric strength	500 V _{RMS} min

PLATING OPTIONS	
Sleeve (pin), change letter F (5.0µm standard Tin) by:	
Ø .C	0.25µm gold plating
Ø .O	gold flash



MH.C.L			
4002	4022	4042	4222

LP	X
08	3.2mm
09	3.6mm
12	6.6mm
13	7.9mm
15	10.0mm
Other pin length X upon request.	



*For a whole insulator: tolerance = +0.41

*For a cut insulator: tolerance = ±0.2

Pin style		MH.C.L
Plating Sleeve (pin)		5.0µm Tin
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	4002.NP.MH.C.L.LP
4022	100 (*2)	4022.NP.MH.C.L.LP
4042	100 (*2)	4042.NP.MH.C.L
4222	150 (*3)	4222.NP.MH.C.L

*1) Availability from 1 to 50 contacts

*2) Availability from 4 to 100 contacts

*3) Availability from 6 to 150 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

- Ø .C 0.25µm gold plating
- Ø .O gold flash

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PBT = Standard PCT = high temperature (order with H) Example: 4022H32.MH.C.L
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)

ELECTRICAL DATA

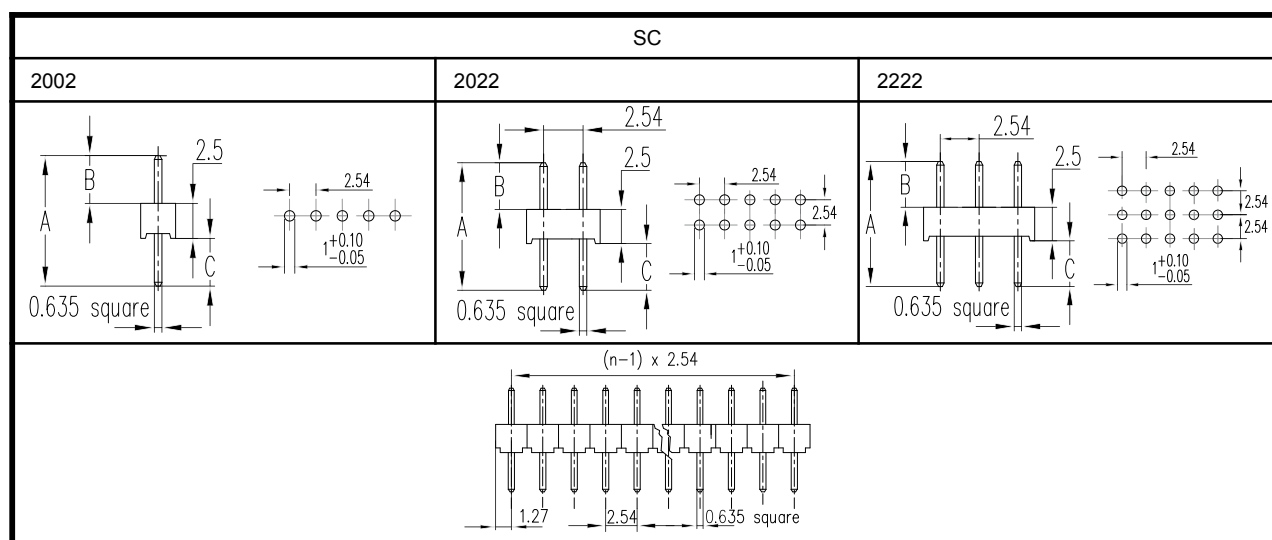
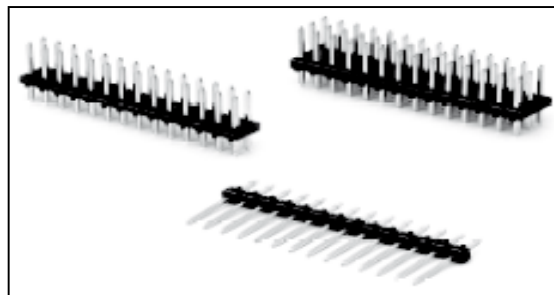
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	20 mΩ max
Dielectric strength	500 V _{RMS} min

Series 2002, 2022, 2222

SIP 2.54 mm pitch / Headers / Solder tail /

Mating pin square 0.635 mm / Breakable

DELTRON AG



Pin style		SC
Plating sleeve (pin)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	2002HNP.SC.C.LP
4022	100 (*2)	2022HNP.SC.C.LP
4222	150 (*3)	2222HNP.SC.C.LP

*1) Availability from 1 to 50 contacts
 *2) Availability from 4 to 100 contacts
 *3) Availability from 9 to 150 contacts

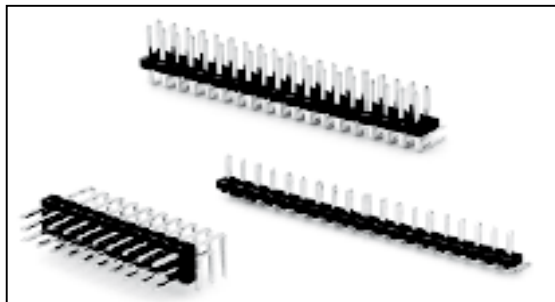
LP	A	B	C
10	10.2mm	5.2mm	2.5mm
11	10.8mm	5.8mm	2.5mm
12	11.3mm	5.3mm	3.3mm
13	12.6mm	6.8mm	3.3mm
14	13.9mm	8.1mm	3.3mm
15	14.7mm	8.9mm	3.3mm
16	17.7mm	11.9mm	3.3mm
17	19.8mm	14.0mm	3.3mm
18	21.6mm	15.8mm	3.3mm
19	22.8mm	17.0mm	3.3mm
20	24.9mm	19.1mm	3.3mm

Other pin length X upon request.

PLATING OPTIONS	
Sleeve (pin), change letter F (5.0µm standard Tin) by:	
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .B	0.75µm gold plating
Ø .S	0.25µm gold plating (connecting side) 5µm tin (PCB side)
Ø .S2	0.75µm gold plating (connecting side) 5µm tin (PCB side)

TECHNICAL DATA	
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0
Outer shell (sleeve)	Square pin 0.635mm, CuZn30 acc. To Din 17660

ELECTRICAL DATA	
Rated current	3A
Current voltage	250V AC
Contact resistance	20 mΩ max
Dielectric strength	1000 V _{RMS} min



SL		
2002	2022	2222
S = length of selective plating (standard = 4.5mm)		

Pin style		SL
Plating sleeve (pin)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4002	50 (*1)	2002HNP.SL.C.LP
4022	100 (*2)	2022HNP.SL.C.LP
4222	150 (*3)	2222HNP.SL.C.LP

*1) Availability from 1 to 50 contacts

*2) Availability from 4 to 100 contacts

*3) Availability from 9 to 150 contacts

LP	AO	B	C
12	11.3mm	3.5mm	3.3mm
13	12.6mm	4.8mm	3.3mm
14	13.9mm	6.1mm	3.3mm
15	14.7mm	6.9mm	3.3mm
16	17.7mm	9.9mm	3.3mm
17	19.8mm	12.0mm	3.3mm
18	21.6mm	13.8mm	3.3mm
19	22.8mm	15.0mm	3.3mm
20	24.9mm	17.1mm	3.3mm

Other pin length X upon request.

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0
Outer shell (sleeve)	Square pin 0.635mm, CuZn30 acc. To Din 17660

ELECTRICAL DATA

Rated current	3A
Current voltage	250V AC
Contact resistance	20 mΩ max
Dielectric strength	1000 V _{RMS} min

PLATING OPTIONS

Sleeve (pin), change letter C (0.25μm gold plating) by:

Ø .O	gold flash
Ø .F	5.0μm standard Tin
Ø .B	0.75μm gold plating
Ø .S	0.25μm gold plating (connecting side) 5μm tin (PCB side)
Ø .S2	0.75μm gold plating (connecting side) 5μm tin (PCB side)

Standard PCB

2001 . NP . SP . F . 0 . LP

Series.
For insulator without center bar
replace 0 by1 at the serie n° end.

.	Standard
A	Automatic (Only with pin CC)
H	High temperature insulator
HA	High temperature Automatic ass.

Number of pins

Type of contacts

.=standard

For pitch x2, x3,x4, or other pitch:
Example: 2001H20.PFH2F0 (2.54X2=5.08)

Length code
(only for series for those is needed)

Clip plating option

.	Standard on catalog page
A	SC4
B	SC6.VLI
C	SC6.065
?	Etc.

Pin plating option

Custom PCB

2001 . NP / 16 . SP . F . 0 . LP

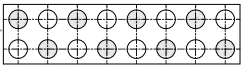
Series
For insulator without center bar
replace 0 by1 at the serie n"

.	Standard
A	Automatic (Only with pin CC)
H	High temperature
HA	High temperature Automatic

Number of pins

/ = first version, B,C,... next versions

Number of positions
2011.8/16.PFH.F0



Length code
(only for series for those is needed)

Clip plating option

.	Standard on catalog page
A	SC4
B	SC6.VLI
?	Etc.

Pin plating option

.=standard

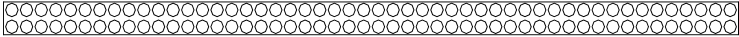
For pitch x2, x3,x4, or other pitch:
Example: 2001H20/16.PFH2F0 (2.54X2=5.08)

Type of contacts

To order a special PCB

Customer			
Address			
ZIP		City	
Country			
Phone			
Fax			
E-mail			

PCB

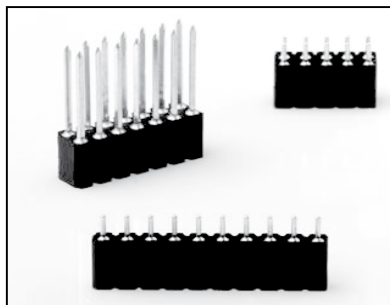




Series	
Type of construction	
Number of pins	
Number of positions	
Type of contact (can be yours)	
Pin plating option	
Type of clip (can be yours)	
Clip plating option	
Length code (if requested)	

Fill in the holes where you want the contacts. If your request isn't standard, please send us a detailed drawing. For the very specific design, insulator is made in Epoxy.

48



PFH / PFHW			PFA Press-fit	PFB Press-fit
2001	2011	2111		

SP	PFH Solder tail straight	PFHW Wire-wrap
X	3mm	13.1mm
Y	Ø0.60mm	Sq 0.635mm
*For 4mm, add 4 after F Example: 2001.36.PFH.F4.0		

Pin style		PFH / PFHW / PFA / PFB
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2001	36 50 (*1)	2001.NP.SP.F.LP.0
2011	72 100 (*2)	2011.NP.SP.F.LP.0
2111	96 (*3)	2111.NP.SP.F.LP.0

*1) Availability from 1 to 50 contacts

*2) Availability from 2 to 100 contacts

*3) Availability from 3 to 96 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C 0.25µm gold plating
Ø .O gold flash

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1 0.25µm average Au
Ø .4 0.75µm minimum 24c Au (MIL STD)
Ø .6 5.0µm tin
Ø .00 5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2001H28.PFH.F0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.065	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.65-0.85 or rectangular pin 0.65 x 0.65
Insertion / Extraction	Per line Other forces available upon request.

Standard SC6.065	
Insertion	100g max.
Extraction	30g min.

Other hard forces available upon request

Insertion max 375gr and extraction min 100gr.

To order with hard force add letter V after the F instead of the mark.

Example: 2001.50.PFH.FV0

Other mating pin available upon request

To order with inner spring type SC4 (insertion Ø0.40-0.56) or SC6.VLI (insertion Ø0.40-0.56), add letter A (SC4) or B (SC6.VLI) after F instead of the mark. For insertion Ø0.95-1.05, add letter I.

Examples: 2001.50.PFH.FA0 or 2001.50.PFH.FI0

A, B and I available only for straight type.

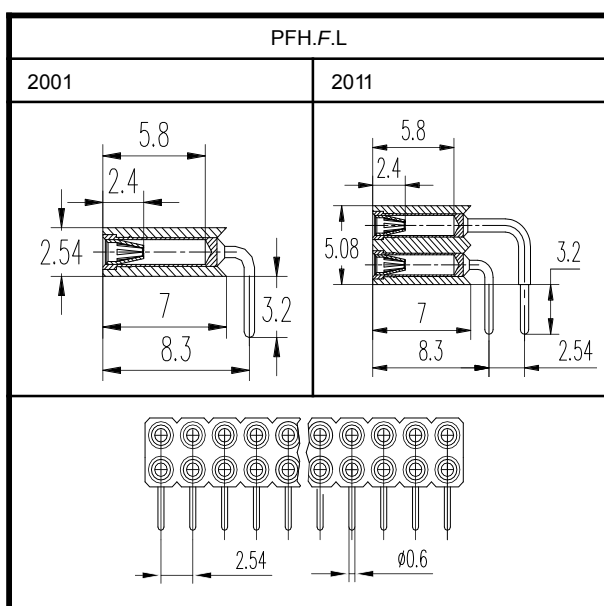
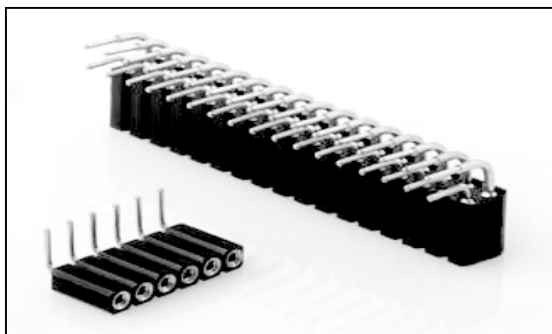
ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

Series 2001, 2011

PCB 2.54 mm pitch / Sockets / Solder tail /
Wire-wrap / Mating pin 0.47 mm / 0.76 mm / 1 mm /
Strip / Height 7 mm

DELTRON^{AG}



Pin style		PFH.F.L
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2001	36 50 (*1)	2001.NP.SP.F.L.0
2011	72 100 (*2)	2011.NP.SP.F.L.0

*1) Availability from 1 to 50 contacts
*2) Availability from 2 to 100 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 2001H28.PFH.F.L.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.065	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.65-0.85 or rectangular pin 0.65 x 0.65
Insertion / Extraction	Per line Other forces available upon request.

Standard SC6.065

Insertion	100g max.
Extraction	30g min.

Other hard forces available upon request

Insertion max 375gr and extraction min 100gr.
To order with hard force add letter V after the L instead of the mark.

Example: 2001.50.PFH.FLV0

Other mating pin available upon request

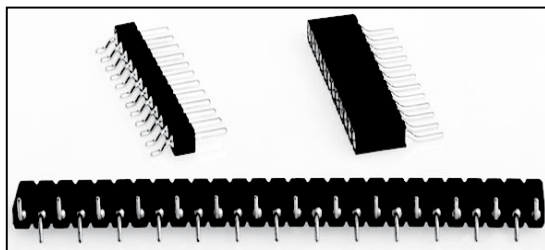
To order with inner spring type SC4 (insertion Ø0.40-0.56) or SC6.VLI (insertion Ø0.40-0.56), add letter A (SC4) or B (SC6.VLI) after L instead of the mark. For insertion Ø0.95-1.05, add letter I.

Examples: 2001.50.PFH.FLA0 or 2001.50.PFH.FLI0

A, B and I available only for straight type.

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



With locating pegs



PFH.SMV		PFH.SMH	PFH.SMHP
2001	2011	2001	2001

Available with Positioning options
(see GUIDE AND PAD description page 29)

Pin style		PFH.SMV / PFH.SMH / PFH.SMHP
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
2001	36 50 (*1)	2001HNP.PFH.SMV.F.0
2011	72 100 (*2)	2011HNP.PFH.SMV.F.0
2001	36 50 (*3)	2001HNP.PFH.SMH.F.0
2001	48 (*4)	2001HNP.PFH.SMHP.F.0

*1) Availability from 3 to 50 contacts

*2) Availability from 4 to 100 contacts

*3) Availability from 1 to 50 contacts

*4) Availability from 1 to 48 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.065	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.65-0.85 or rectangular pin 0.65 x 0.65
Insertion / Extraction	Per line Other forces available upon request.

Standard SC6.065

Insertion	100g max.
Extraction	30g min.

Other hard forces available upon request

Insertion max 375gr and extraction min 100gr.

To order with hard force add letter V after the F instead of the mark.

Example: 2001H50.PFH.SMV.FV0

Other mating pin available upon request

To order with inner spring type SC4 (insertion Ø0.40-0.56) or SC6.VLI (insertion Ø0.40-0.56), add letter A (SC4) or B (SC6.VLI) after L instead of the mark. For insertion Ø0.95-1.05, add letter I.

Examples: 2001.50.PFH.SMV.FA0 or 2001.50.PFH.SMV.FI0

A, B and I available only for SMV type.

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

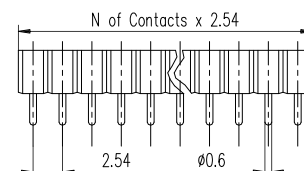
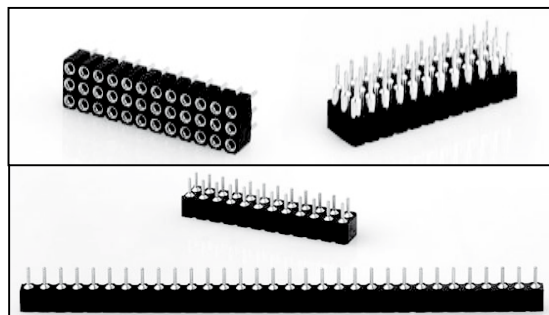
Series 3001, 3011, 3111, 3211

PCB 2.54 mm pitch / Sockets / Solder tail /

Wire-wrap / Mating pin 0.47 mm / 0.76 mm / 1 mm /

Strip / Height 4.2 mm

DELTRON AG



PFH			
3001	3011	3111	3211

Pin style		PFH
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
3001	14 20 32 (*1)	3001.NP.PFH.F0
3011	64 (*2)	3011.NP.PFH.F0
3111	96 (*3)	3111.NP.PFH.F0
3211	96 (*3)	3211.NP.PFH.F0

*1) Availability from 1 to 32 contacts
 *2) Availability from 4 to 64 contacts
 *3) Availability from 9 to 96 contacts

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 3001H28.PFH.F0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.065	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.65-0.85 or rectangular pin 0.65 x 0.65
Insertion / Extraction	Per line Other forces available upon request.

Standard SC6.065

Insertion	100g max.
Extraction	30g min.

Other hard forces available upon request

Insertion max 375gr and extraction min 100gr.

To order with hard force add letter V after the F instead of the mark.

Example: 3001.50.PFH.FV0

Other mating pin available upon request

To order with inner spring type SC4 (insertion Ø0.40-0.56) or SC6.VLI (insertion Ø0.40-0.56), add letter A (SC4) or B (SC6.VLI) after L instead of the mark. For insertion Ø0.95-1.05, add letter I.

Examples: 3001.50.PFH.FA0 or 3001.50.PFH.FI0

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

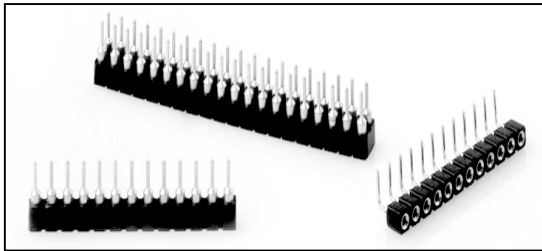
Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



PFH		GCP (only for insertion Ø0.95-1.05)	
4001	4011	4001	4011

PFH.F.L	
4001	

Pin style		PFH / PFH.F.L / GCP
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4001	64 (*1)	4001.NP.PFH.F.0
4011	64 (*2)	4011.NP.PFH.F.0
4001	64 (*1)	4001.NP.PFH.F.L.0

*1) Availability from 1 to 64 contacts

*2) Availability from 4 to 72 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 4001H28.PFH.F.0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.065	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.65-0.85 or rectangular pin 0.65 x 0.65
Insertion / Extraction	Per line Other forces available upon request.

Standard SC6.065	
Insertion	100g max.
Extraction	30g min.

Other hard forces available upon request

Insertion max 375gr and extraction min 100gr.

To order with hard force add letter V after the F instead of the mark.

Example: 4001.50.PFH.FV0

Other mating pin available upon request

To order with inner spring type SC4 (insertion Ø0.40-0.56) or SC6.VLI (insertion Ø0.40-0.56), add letter A (SC4) or B (SC6.VLI) after L instead of the mark. For insertion Ø0.95-1.05, add letter I.

Examples: 4001.50.PFH.FA0 or 4001.50.PFH.FI0

A, B and I available only for straight type.

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

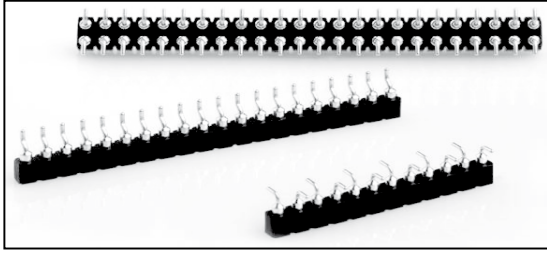
Series 4001, 4011

PCB 2.54 mm pitch / Sockets /

Mating pin 0.47 mm / 0.76 mm / Strip /

Height 2.9 mm / Surface mount

DELTRON AG



PFH.SMV		PFH.SMH	PFH.SMHP
4001	4011	4001	4001 (Pick and place)

Pin style		PFH.SMV / PFH.SMH / PFH.SMHP
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
4001	64 (*1)	4001HNP.PFH.SMV.F.0
4011	40 72 (*2)	4011HNP.PFH.SMV.F.0
4001	64 (*3)	4001HNP.PFH.SMH.F.0
4001	4/ (*4)	4001HNP.PFH.SMHP.F.0
*1) Availability from 3 to 50 contacts *2) Availability from 4 to 72 contacts *3) Availability from 1 to 64 contacts *4) Availability from 1 to 48 contacts		

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

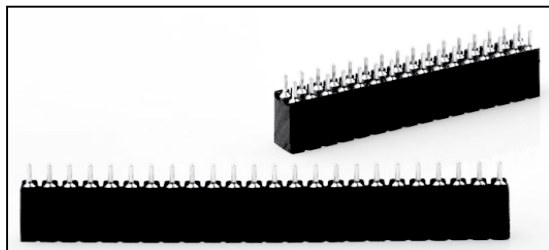
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = high temperature
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.065	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.65-0.85 or rectangular pin 0.65 x 0.65
Insertion / Extraction	Per line

Standard SC6.065

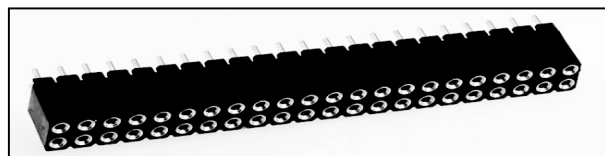
Insertion	100g max.
Extraction	30g min.

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



PFH		PFH	
5001	5011	6001	6011



Pin style		PFH
Plating Sleeve (pin)		5.0µm Tin
Plating contact (clip)		Au 24c flash
TYPE	NP Nbr PIN	ORDERING NUMBERS
5001	36 (*1)	5001.NP.PFH.F0
5011	72 100 (*2)	5011.NP.PFH.F0
6001	36 (*1)	6001.NP.PFH.F0
6011	72 100 (*2)	6011.NP.PFH.F0

*1) Availability from 1 to 36 contacts

*2) Availability from 4 to 100 contacts

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCB = standard PCT = high temperature (order with H) Example: 5001H36.PFH.F0
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.065	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.65-0.85 or rectangular pin 0.65 x 0.65
Insertion / Extraction	Per line Other forces available upon request.

Standard SC6.065	
Insertion	100g max.
Extraction	30g min.

Other hard forces available upon request

Insertion max 375gr and extraction min 100gr.

To order with hard force add letter V after the F instead of the mark.

Example: 6001.50.PFH.FV0

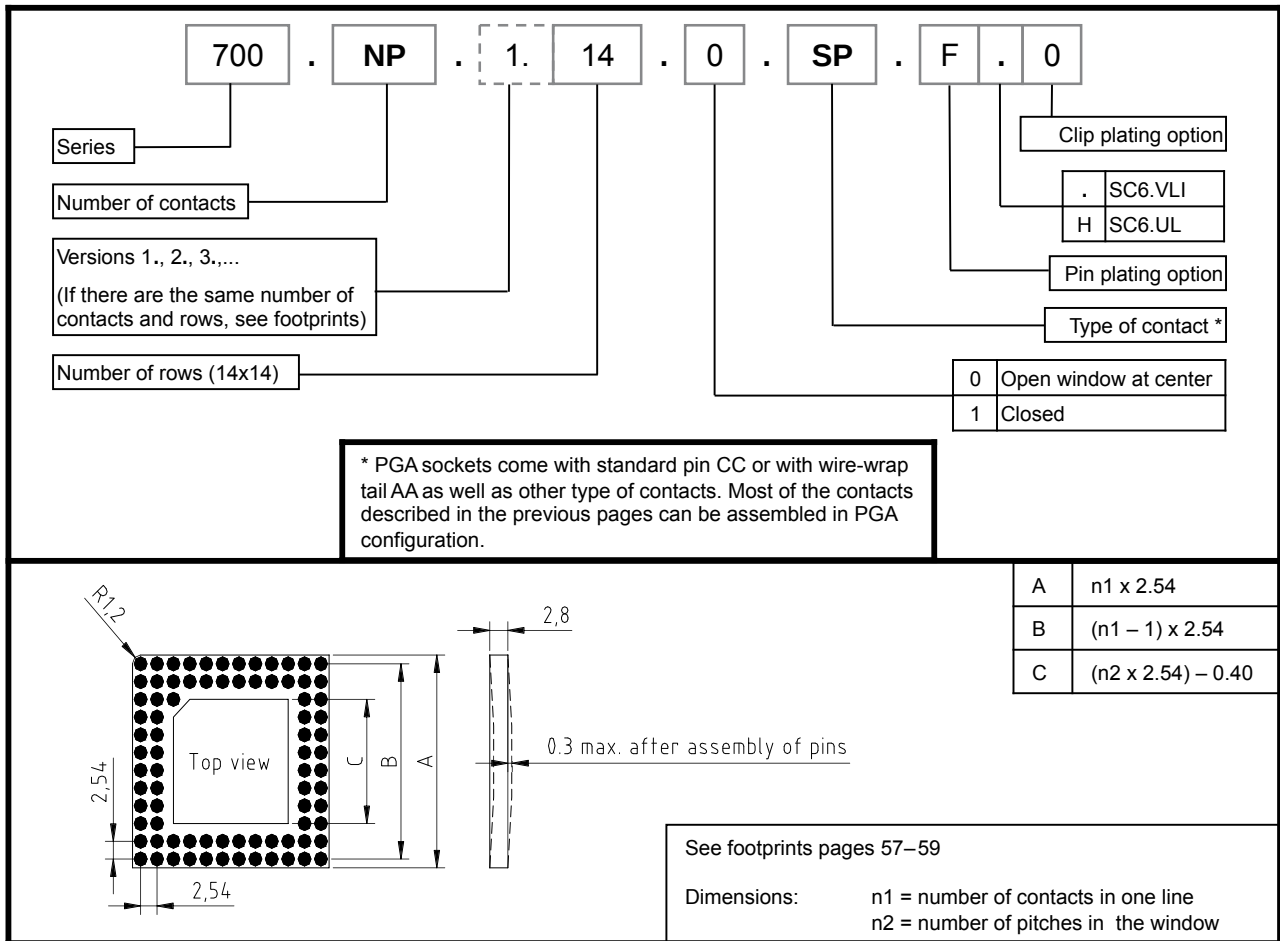
Other mating pin available upon request

To order with inner spring type SC4 (insertion Ø0.40-0.56) or SC6.VLI (insertion Ø0.40-0.56), add letter A (SC4) or B (SC6.VLI) after L instead of the mark. For insertion Ø0.95-1.05, add letter I.

Examples: 5001.36.PFH.FA0 or 6011.100.PFH.FI0

ELECTRICAL DATA

Rated current	3A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min



PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

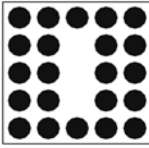
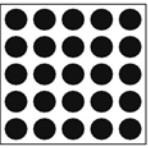
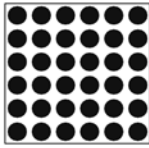
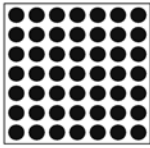
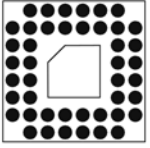
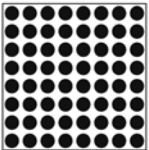
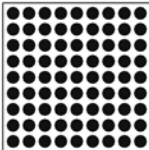
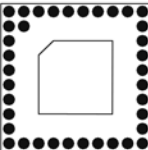
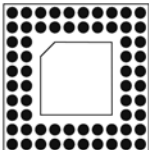
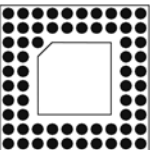
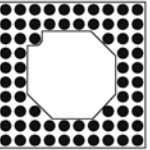
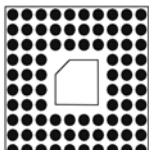
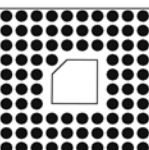
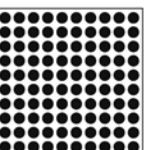
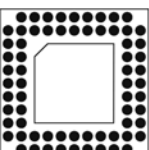
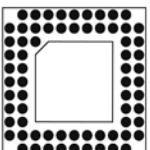
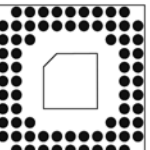
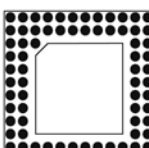
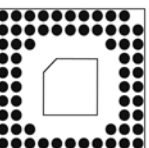
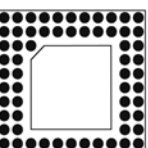
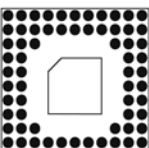
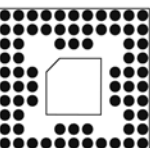
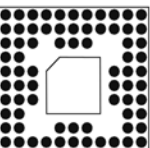
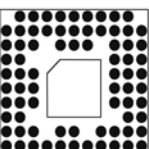
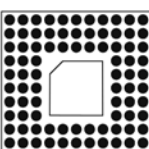
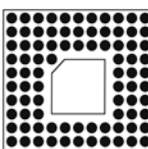
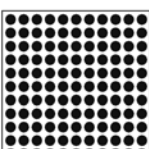
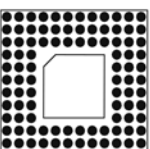
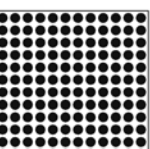
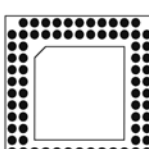
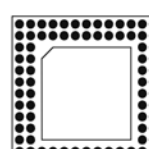
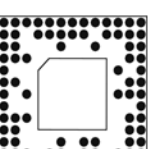
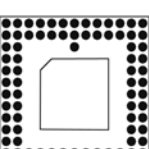
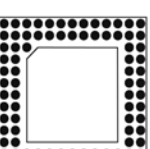
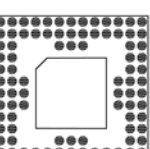
TECHNICAL DATA

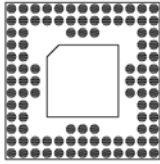
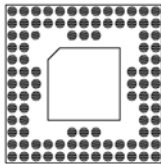
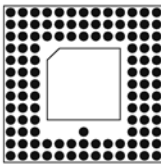
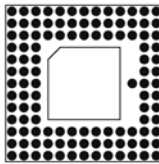
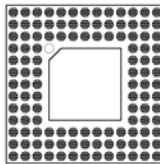
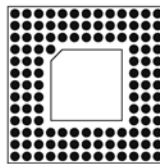
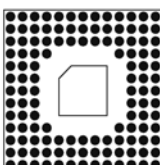
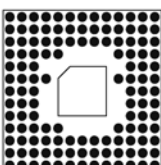
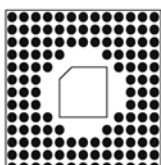
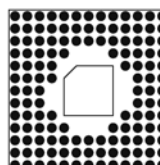
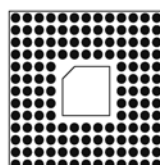
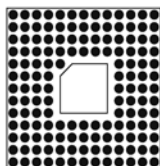
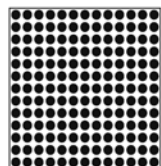
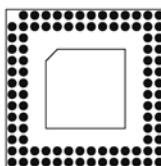
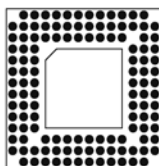
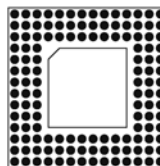
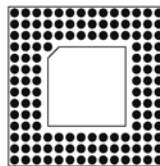
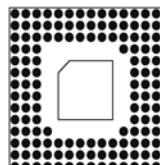
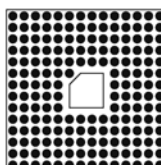
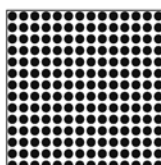
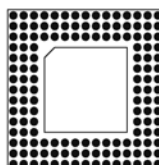
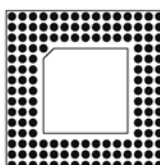
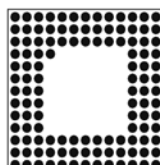
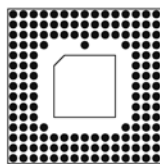
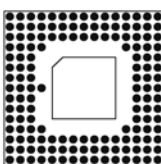
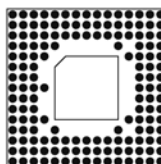
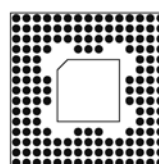
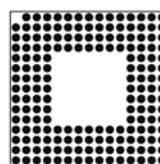
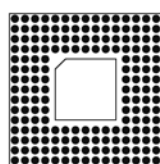
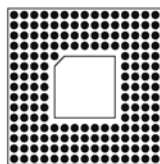
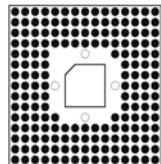
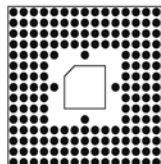
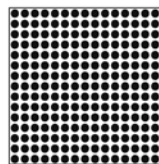
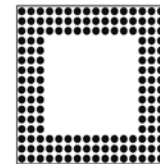
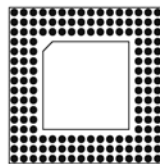
Temperature range	-55°C to +125°C
Insulator body	Glass filled thermoplastic polyester, self-extinguishing, rated UL94V-0 PCT = série 700 Epoxy FR-4 = série 701
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.VLI	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.40-0.56 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.43 test pin (SC6.VLI) or Ø0.46 test pin (SC6.UL) Other forces available upon request.

SC6.VLI		SC6.UL	
Insertion	70g max.	Insertion	20g max.
Extraction	10g min.	Extraction	5g min.

ELECTRICAL DATA

Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	1000 V _{RMS} min

5x5			6x6	7x7	8x8
					
700.012.5.1.SP.F.0	700.022.5.1.SP.F.0	700.025.5.1.SP.F.0	700.036.6.1.SP.F.0	700.049.7.1.SP.F.0	700.044.8.1.SP.F.0
8x8	9x9	10x10			
					
700.064.8.1.SP.F.0	700.081.9.1.SP.F.0	700.037.10.0.SP.F.0	700.064.10.0.SP.F.0	700.065.10.0.SP.F.0	700.068.10.0.SP.F.0
10x10			11x11		
					
700.084.10.0.SP.F.0	700.085.10.0.SP.F.0	700.100.10.1.SP.F.0	700.068.11.0.SP.F.0	700.069.11.0.SP.F.0	700.072.1.11.0.SP.F.0
11x11					
					
700.072.2.11.0.SP.F.0	700.073.1.11.0.SP.F.0	700.073.2.11.0.SP.F.0	700.076.11.0.SP.F.0	700.084.11.0.SP.F.0	700.085.1.11.0.SP.F.0
11x11			12x12		
					
700.085.2.11.1.SP.F.0	700.096.11.0.SP.F.0	700.097.11.0.SP.F.0	700.121.11.1.SP.F.0	700.108.12.0.SP.F.0	700.144.12.1.SP.F.0
13x13					
					
700.084.13.0.SP.F.0	700.088.1.13.0.SP.F.0	700.088.2.13.0.SP.F.0	700.089.13.0.SP.F.0	700.089.1.13.0.SP.F.0	700.100.13.0.SP.F.0

13x13					
					
700.100.2.13.0.SP.F.0	700.101.13.0.SP.F.0	700.114.1.13.0.SP.F.0	700.114.2.13.0.SP.F.0	700.120.13.0.SP.F.0	700.121.13.0.SP.F.0
13x13					
					
700.124.13.0.SP.F.0	700.128.13.0.SP.F.0	700.132.13.0.SP.F.0	700.132.13.1.SP.F.0	700.133.13.0.SP.F.0	700.144.13.0.SP.F.0
13x13			14x14		
					
700.145.13.0.SP.F.0	700.169.13.1.SP.F.0	700.095.14.0.SP.F.0	700.125.14.0.SP.F.0	700.132.14.0.SP.F.0	700.133.14.0.SP.F.0
14x14			15x15		
					
700.135.14.0.SP.F.0	700.181.14.0.SP.F.0	700.196.14.1.SP.F.0	700.144.15.0.SP.F.0	700.145.15.0.SP.F.0	700.145.15.1.SP.F.0
15x15					
					
700.149.1.15.0.SP.F.0	700.149.2.15.0.SP.F.0	700.153.15.0.SP.F.0	700.160.15.0.SP.F.0	700.175.15.1.SP.F.0	700.176.15.0.SP.F.0
15x15				16x16	
					
700.177.15.0.SP.F.0	700.179.15.0.SP.F.0	700.181.15.0.SP.F.0	700.225.15.1.SP.F.0	700.155.16.1.SP.F.0	700.156.16.0.SP.F.0

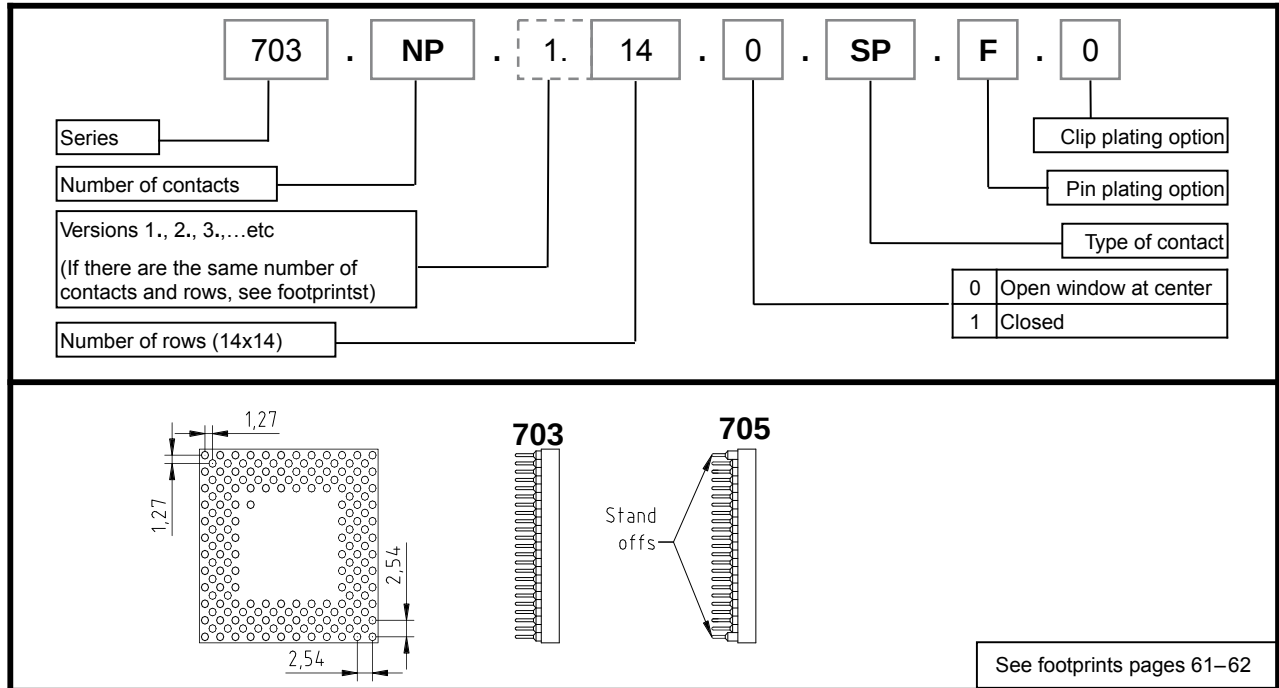
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17x17					
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17x17			18x18		
700.209.17.0.SP.F.0	700.288.17.1.SP.F.0	700.289.17.1.SP.F.0	700.155.18.0.SP.F.0	700.179.1.18.0.SP.F.0	700.179.2.18.0.SP.F.0
18x18					
700.182.18.0.SP.F.0	700.191.18.0.SP.F.0	700.223.18.0.SP.F.0	700.224.18.0.SP.F.0	700.225.18.0.SP.F.0	700.241.18.0.SP.F.0
18x18	19x19				20x20
700.324.18.1.SP.F.0	700.238.19.0.SP.F.0	700.280.19.0.SP.F.0	700.281.19.0.SP.F.0	700.361.19.1.SP.F.0	700.257.20.0.SP.F.0
20x20		21x21		33x33	
700.299.20.0.SP.F.0	700.400.20.1.SP.F.0	700.273.21.0.SP.F.0	700.441.21.1.SP.F.0	701.1089.33.1.SP.F.0	

Series 703, 705

PGA / Sockets and Headers / Grid array /

Zig-zag / Surface mount

DELTRON AG



Insulator: Glass filled thermoplastic, rated UL94V-0, PCT High temperature			Insulator: Epoxy FR-4	
NC	NCS	ME	CCWT	CCST

PLATING OPTIONS

Sleeve (pin), change letter F (5.0µm standard Tin) by:

Ø .C	0.25µm gold plating
Ø .O	gold flash
Ø .D	tin / lead non-RoHS

Contact (clip), change suffix 0 (standard Au 24c flash) by:

Ø .1	0.25µm average Au
Ø .2	0.50µm average Au
Ø .3	0.75µm average Au
Ø .4	0.75µm minimum 24c Au (MIL STD)
Ø .6	5.0µm tin
Ø .00	5.0µm tin / lead non-RoHS

TECHNICAL DATA

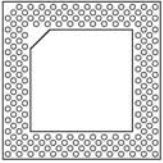
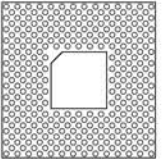
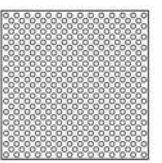
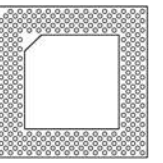
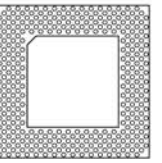
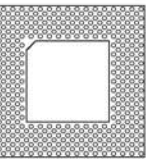
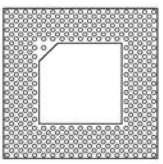
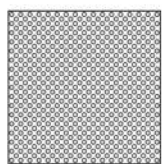
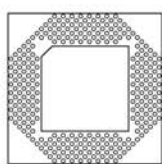
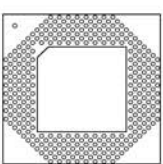
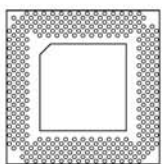
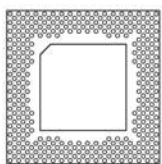
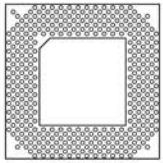
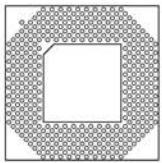
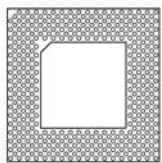
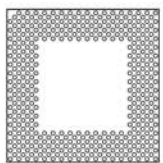
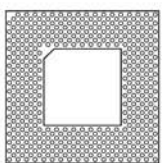
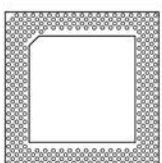
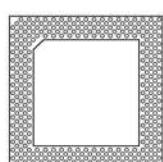
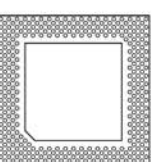
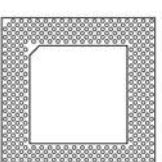
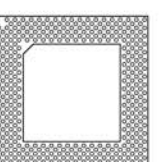
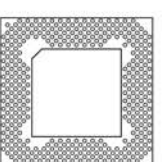
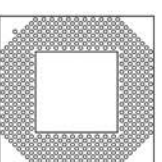
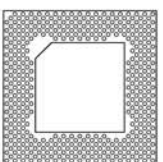
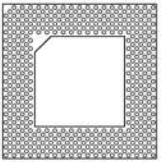
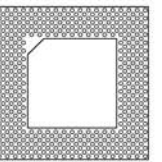
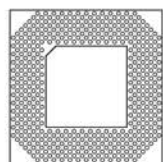
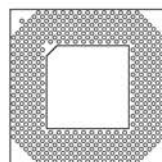
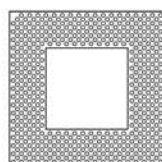
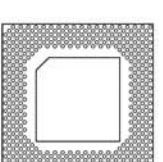
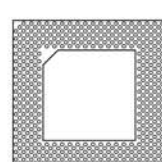
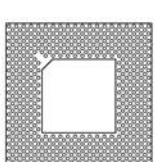
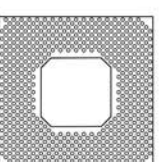
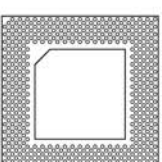
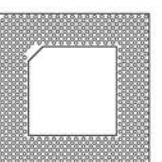
Temperature range	-55°C to +125°C
Outer shell (sleeve)	Screw machined Brass CuZn36Pb3 (C36000)
Inner spring contact SC6.UL	Stamped and formed BeCu (C17200) gold or tin plated, accepts Ø0.35-0.50 or rectangular pin 0.25 x 0.45
Insertion / Extraction	Ø0.46 test pin Other forces available upon request.

SC6.UL

Insertion	20g max.
Extraction	5g min.

ELECTRICAL DATA

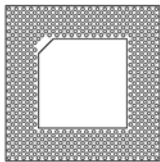
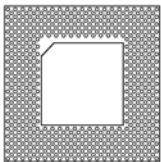
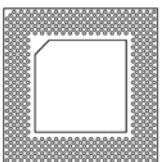
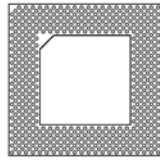
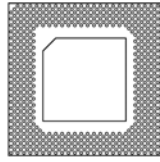
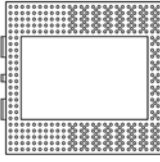
Rated current	1A
Maxi working voltage	100V _{RMS} / 150 V _{dc}
Contact resistance	10 mΩ max
Dielectric strength	700 V _{RMS} min

14x14			16x16	17x17	
					
703.183.14.0.SP.F0	703.304.14.0.SP.F0	703.365.14.1.SP.F0	703.299.16.0.SP.F0	703.321.17.0.SP.F0	703.364.17.0.SP.F0
17x17		18x18			
					
703.365.17.0.SP.F0	703.545.17.1.SP.F0	703.280.18.0.SP.F0	703.293.18.0.SP.F0	703.305.18.0.SP.F0	703.325.18.0.SP.F0
18x18					19x19
					
703.361.18.0.SP.F0	703.369.18.0.SP.F0	703.391.18.0.SP.F0	703.391.18.1.SP.F0	703.431.18.0.SP.F0	703.296.19.0.SP.F0
19x19					
					
703.320.19.0.SP.F0	703.321.19.0.SP.F0	703.370.1.19.0.SP.F0	703.370.2.19.0.SP.F0	703.372.19.0.SP.F0	703.401.19.0.SP.F0
19x19					
					
703.403.19.0.SP.F0	703.419.19.0.SP.F0	703.420.19.0.SP.F0	703.428.19.0.SP.F0	703.429.19.0.SP.F0	703.463.19.0.SP.F0
20x20				21x21	
					
703.411.20.0.SP.F0	703.447.20.0.SP.F0	703.539.20.0.SP.F0	703.557.20.0.SP.F0	703.475.21.0.SP.F0	703.528.21.0.SP.F0

Series 703, 705

PGA / Sockets and Headers / Grid array /
Zig-zag / Surface mount



21x21		22x22		24x24	24x26
					
703.529.21.0.SP.F.0	703.565.20.0.SP.F.0	703.503.22.0.SP.F.0	703.559.22.0.SP.F.0	703.599.24.0.SP.F.0	703.387.24.0.SP.F.0

Notizen

Notes

Allgemeine Verkaufs- und Lieferbedingungen

Allgemeines

Für den Geschäftsverkehr zwischen der Deltron AG und dem Besteller gelten ausschliesslich die nachstehenden Lieferbedingungen. Diese Bedingungen sind verbindlich für den gesamten gegenwärtigen und zukünftigen Geschäftsverkehr mit der Deltron AG, auch wenn darauf nicht besonders Bezug genommen wird.

Alle Angebote sind freibleibend, das heisst, die Lieferfirma behält sich vor, aufgrund des Angebotes den Auftrag hereinzunehmen oder abzulehnen.

Jeder Auftrag gilt erst mit der Klarstellung aller Einzelheiten und mit der schriftlichen Bestätigung der Lieferfirma als angenommen.

Die Preise sind fest. Der Deltron AG steht jedoch das Recht zu, die am Tage der Lieferung gültigen Preise zu verrechnen. Alle Rechnungen sind, sofern nichts anderes vereinbart ist, zahlbar in Schweizer Franken. Verpackungskosten, Fracht und Porto werden gesondert berechnet.

Teillieferungen sind zulässig.

Die Annahme und Ausführung von Aufträgen kann von einer Sicherstellung oder Vorauszahlung abhängig gemacht werden.

Zahlungsbedingungen

Die Rechnungen sind, sofern nichts anderes vereinbart, innert 30 Tagen ohne irgendwelchen Abzug zahlbar. Bei Zahlung mit Wechseln ist die Deltron AG berechtigt, die banküblichen Diskontspesen zu verlangen. Checks und Wechsel gelten erst mit deren Einlösung als Zahlung. Das Verrechnungsrecht mit bestehenden oder geltend gemachten Ansprüchen des Käufers wird ausdrücklich wegbedungen. Ebenso wird die Zahlungspflicht durch geltendgemachte Mängel nicht beeinflusst.

Eigentumsvorbehalt

Die gelieferte Ware bleibt bis zur vollständigen Bezahlung aller Forderungen Eigentum der Firma Deltron AG.

Lieferzeiten

Die angegebenen Lieferfristen sind unverbindlich. Es wird insbesondere keine Verantwortung für Verzögerungen übernommen, die durch unvorhergesehene Ereignisse entstehen wie höhere Gewalt, Mobilmachung, Krieg, Aufruhr, Rohstoffmangel, Betriebsstörungen, Fabrikationsausschuss, Transportverzögerungen, Streik oder andere unverschuldete Begebenheiten entstehen. Sofern die bestellte Ware infolge derartiger unverschuldeter Ereignisse überhaupt nicht oder nur verspätet geliefert werden kann, so erwachsen dem Käufer dadurch keinerlei Ansprüche in irgendwelcher Art.

Zeichnungen und Unterlagen

An allen Zeichnungen, Entwürfen, Kostenvoranschlägen und anderen Unterlagen der Deltron AG behält sich diese das alleinige Eigentums- und Urheberrecht vor. Solche Belege werden dem Besteller persönlich anvertraut und dürfen ohne schriftliche Zustimmung der Lieferfirma weder Dritten zugänglich gemacht noch kopiert werden. Sie sind der Deltron AG auf erstes Verlangen zurückzugeben. Zuwiderhandlungen verpflichten den Besteller zu vollem Schadenersatz und berechtigen die Lieferfirma zum Vertragsrücktritt.

Versand und Transportrisiko

Der Käufer trägt das Risiko für die von ihm bestellte Ware sobald ihm die Versandbereitschaft gemeldet wird, spätestens vom Zeitpunkt an, wenn die Ware die Fabrik verlässt.

Eine Transportversicherung wird nur auf ausdrücklichen Wunsch des Bestellers und auf dessen Kosten abgeschlossen. Sendungen mit allfälligen Transportschäden sind mit Vorbehalt anzunehmen. Die Mängel sind der betreffenden Transportanstalt zwecks Tatbestandaufnahme sofort anzumelden. Reklamationen und Mängelrügen sind innert 8 Tagen nach Ankunft der Ware bei der Deltron AG anzubringen, andernfalls die Lieferung als vorbehaltlos angenommen gilt.

Gewährleistungen und Haftung für Mängel

Die Lieferfirma haftet nur für Mängel, die innert 8 Tagen nach Empfang der Ware schriftlich gemeldet werden und die nachweisbar auf das Verschulden des Lieferanten zurückzuführen sind. Die Haftung verpflichtet die Deltron AG nur zum kostenlosen Ersatz der fehlerhaften Teile, weitergehende Ansprüche sind ausgeschlossen.

Warenrücksendungen aus dem Ausland werden nur akzeptiert, falls vorgängig bei der Deltron AG eine RMA-Nummer (Returned Material Accepted) gelöst wurde. Diese Nummer ist gut sichtbar auf der Verpackung und dem Lieferschein anzubringen!

Erfüllungsort und Gerichtsstand

Als Erfüllungsort gilt Burgdorf. Für allfällige Streitigkeiten ist ausschliesslich das schweizerische Recht anwendbar. Gerichtsstand ist Burgdorf.

General Terms of Sale and Supply

General

Transactions between Deltron AG and the purchaser are regulated exclusively by the following terms of supply. These terms are binding for all present and future transactions with Deltron AG, even if no specific reference is made to them.

All quotations are non-binding, that is to say, the supplier reserves the right to accept or decline the order based on the quotation.

Each order will only be regarded as accepted following clarification of all details and upon written confirmation by the supplier.

The prices are fixed. However, Deltron AG reserves the right to charge the price ruling on the day of delivery. Unless otherwise agreed, all invoices are payable in Swiss francs. Packaging costs, freight and postage are charged separately.

Part deliveries are permitted.

The acceptance and execution of orders may require the provision of a security or part payment.

Terms of payment

Unless otherwise agreed, invoices are payable within 30 days without deductions of any kind. In the event of payment using bills of exchange, Deltron AG is entitled to demand the normal bank discount charges.

Cheques and bills of exchange are not regarded as payment until they have been cleared. The right of set-off against existing or asserted claims by the purchaser is expressly excluded. Furthermore, asserted claims of defects have no bearing on the obligation to make payment.

Reservation of Title

The goods supplied remain the property of Deltron AG until payment in full has been received.

Delivery Periods

The stated delivery periods are not binding. In particular, no liability can be accepted for delays arising from unforeseen events, such as force majeure, mobilization, war, unrest, shortage of raw materials, operational breakdowns, manufacturing rejects, transport delays, strikes or other events for which the supplier is not responsible. If the ordered goods can only be delivered late or not at all as a result of such events which are not the responsibility of the supplier, the purchaser has no claims of any kind.

Drawings and Documentation

Deltron AG retains the sole right of ownership and copyright to all drawings, drafts, tender documentation and other documentation. Such documentation is personally entrusted to the purchaser and may not be made available to third parties or copied without the written agreement of the supplier. They are to be returned to Deltron AG upon their first request. Any violation obliges the purchaser to make restitution for damages and entitles the supplier to withdraw from the contract.

Delivery and Transport Risk

The purchaser bears the risk for the goods ordered by him as soon as he is advised that they are ready for dispatch and at the latest from the moment that the goods leave the factory.

Transport insurance is only concluded at the express request of the purchaser and at his expense. In the event of any transport damage, deliveries should be accepted subject to reservation. Damages are to be reported immediately to the transport organization concerned in order to record the circumstances. Any complaints are to be submitted to Deltron AG within 8 days of receipt of the goods, otherwise the delivery is regarded as unconditionally accepted.

Guarantee and Liability for defects

The supplier is only liable for defects which are reported in writing within 8 days of receipt of the goods and which may be shown to be the responsibility of the supplier. This liability only obliges Deltron AG to replace the defective parts free of charge; any other claims are excluded.

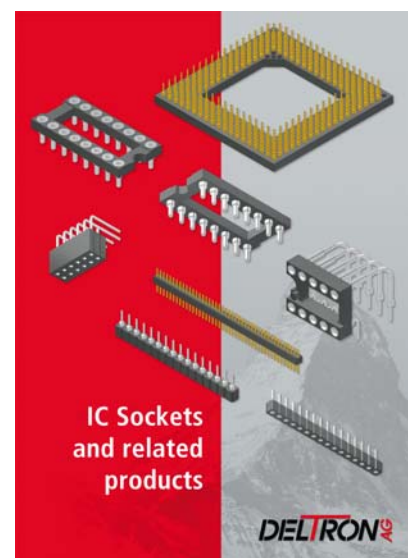
Returned goods from other countries will only be accepted if an RMA number (Returned Material Accepted) has previously been issued by Deltron AG. This number is to be clearly marked on the packaging and the delivery note.

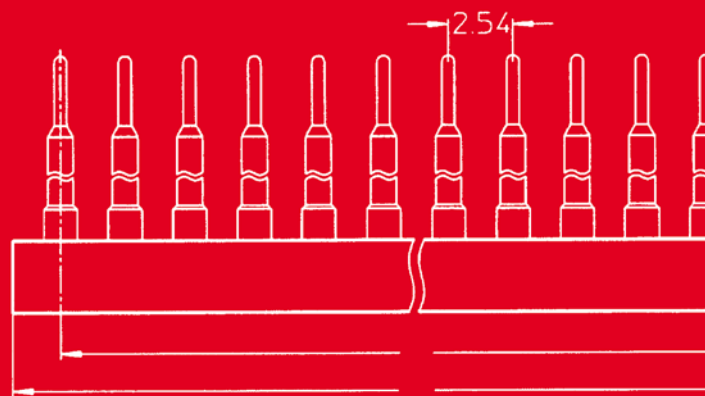
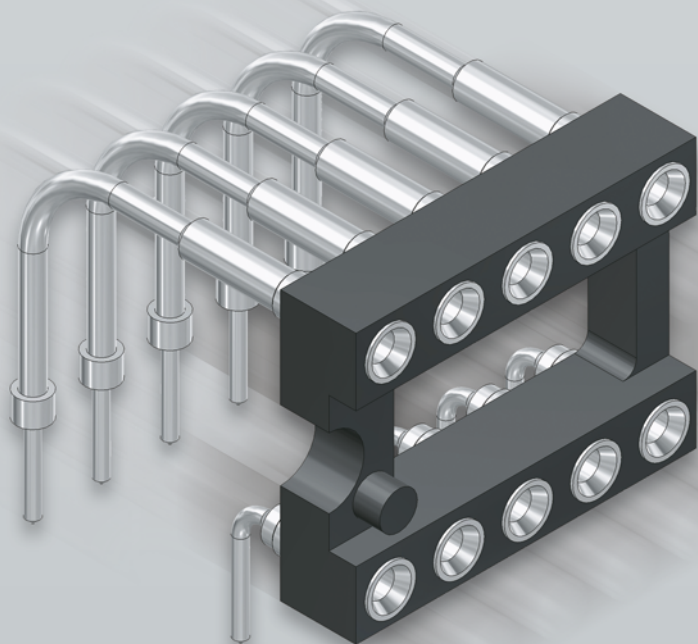
Place of performance and Jurisdiction

The place of performance is deemed to be Burgdorf. In the event of any disputes Swiss law applies exclusively. Place of jurisdiction is Burgdorf.

Unsere Kataloge

Our catalogues





www.delconec.ch
www.deltron.ch

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