



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

INDEX

REFERENCE	PAGE	REFERENCE	PAGE	REFERENCE	PAGE	REFERENCE	PAGE
110...01-505101	150	315...01-881101	69	422...41-001101	81	612...41-001101	143
110...01-XXX101	151	315...41-001101	69	423...41-001101	81	614...XX-XXX101	143
110...10-XXX101	151	315...41-003101	69	426...41-XXX101	82	614...XX-XXX112	158
110...41-001101	129	316...41-XXX101	74			614...XX-XXX144	162
110...41-001151	129	317...01-687101	55				
110...41-005101	129	317...41-005101	55	446...41-035101	79		
110...41-105101	132	317...41-022101	55	446...41-036101	79	712...41-001101	83
110...41-105161	133	317...41-026101	55			714...31-008101	84
110...41-605101	130					714...31-012101	84
110...41-801101	131			450...00-001101	101	714...31-018101	84
111...41-001101	129	322...41-001101	81	450...00-006101	100	714...41-001101	83
114...41-117101	134	323...41-001101	81	450...00-013101	102	714...41-014101	83
114...41-134161	135	326...41-XXX101	82	450...00-018101	109		
115...41-001101	137			450...00-106101	105		
115...41-003101	137			450...01-899101	105	800...10-001101	108
116...41-XXX101	138	346...41-035101	79	451...00-XXX101	103	800...10-002101	108
117...41-005101	141	346...41-036101	79	453...00-001101	121	800...12-002101	110
117...41-105101	141			456...00-014101	107	800...12-422101	110
		350...00-001101	101			800...20-001101	111
121...41-001101	139	350...00-006101	100	460...00-001101	120	800...20-004101	112
122...41-001101	139	350...00-012101	56	463...00-001101	121	800...20-101101	111
123...41-001101	139	350...00-013101	102	470...00-001101	120	800...22-002101	112
124...41-002101	139	350...00-018101	109	473...00-001101	121	800...30-001101	113
		350...00-019101	100	480...00-001101	120	800...30-480101	113
		350...00-024101	100	483...00-001101	121	800...30-507101	39
146...41-XXX101	142	350...00-106101	105			800...32-002101	114
		350...00-206101	106			800...40-001101	115
150...00-012101	141	350...01-609101	102	499...10-003101	76	800...65-001101	116
150...00-106101	146	350...01-666101	101	499...10-009101	104	800...66-001101	116
150...00-106161	147	350...01-714101	101			800...6B-002101	117
150...01-899161	147	350...01-899101	105	510...01-504101	151		
150...00-XXX101	145	351...00-XXX101	103	510...XX-XXX101	156	801...10-001101	87
151...00-XXX101	145	353...00-001101	121	514...XX-XXX117	156	801...10-003101	89
		356...00-014101	107	514...XX-XXX148	166	801...10-004101	99
				514...XX-XXX154	161	801...10-005101	90
160...00-001101	148	360...00-001101	120	514...XX-XXX159	169	801...10-012101	86
170...00-001101	148	363...00-001101	121	517...XX-XXX111	161	801...10-101101	88
180...00-001101	148	370...00-001101	120	518...XX-XXX105	165	801...10-132101	75
		373...00-001101	121	518...XX-XXX106	165	801...10-143101	88
		380...00-001101	120			801...10-173101	75
210...41-001101	129	383...00-001101	121	540...XXX-17-400	172	801...10-216101	91
217...41-005101	141			540...XXX-24-008	173	801...10-268101	85
				546...XX-XXX135	157	801...10-458101	86
		399...10-003101	76	546...XX-XXX136	157		
299...10-001101	144	399...10-009101	104	546...XX-XXX147	161	801...20-001101	92
299...10-002101	144					801...20-002101	92
299...XX-001101	144					801...20-101101	93
		410...01-640101	72	550...XX-XXX101	158	801...20-442101	92
310...01-609101	70	410...10-001101	150	550...XX-XXX135	162	801...30-001101	95
310...01-640101	72	410...10-002101	150	550...XX-XXX152	167	801...30-002101	94
310...01-666101	70	410...41-001101	70	550...XX-XXX166	166	801...30-480101	94
310...01-754101	72	410...41-105101	77	558...XX-XXX101	165	801...40-001101	96
310...41-001101	70	411...41-001101	71	558...XX-XXX102	169	801...40-002101	96
310...41-105101	77	414...41-134101	77	558...XX-XXX103	169	801...53-001101	99
310...41-205101	78	415...41-001101	69	558...XX-XXX104	167	801...65-001101	97
311...41-001101	71	416...41-XXX101	74			801...65-410101	80
314...01-899101	77					801...66-001101	97



precidip

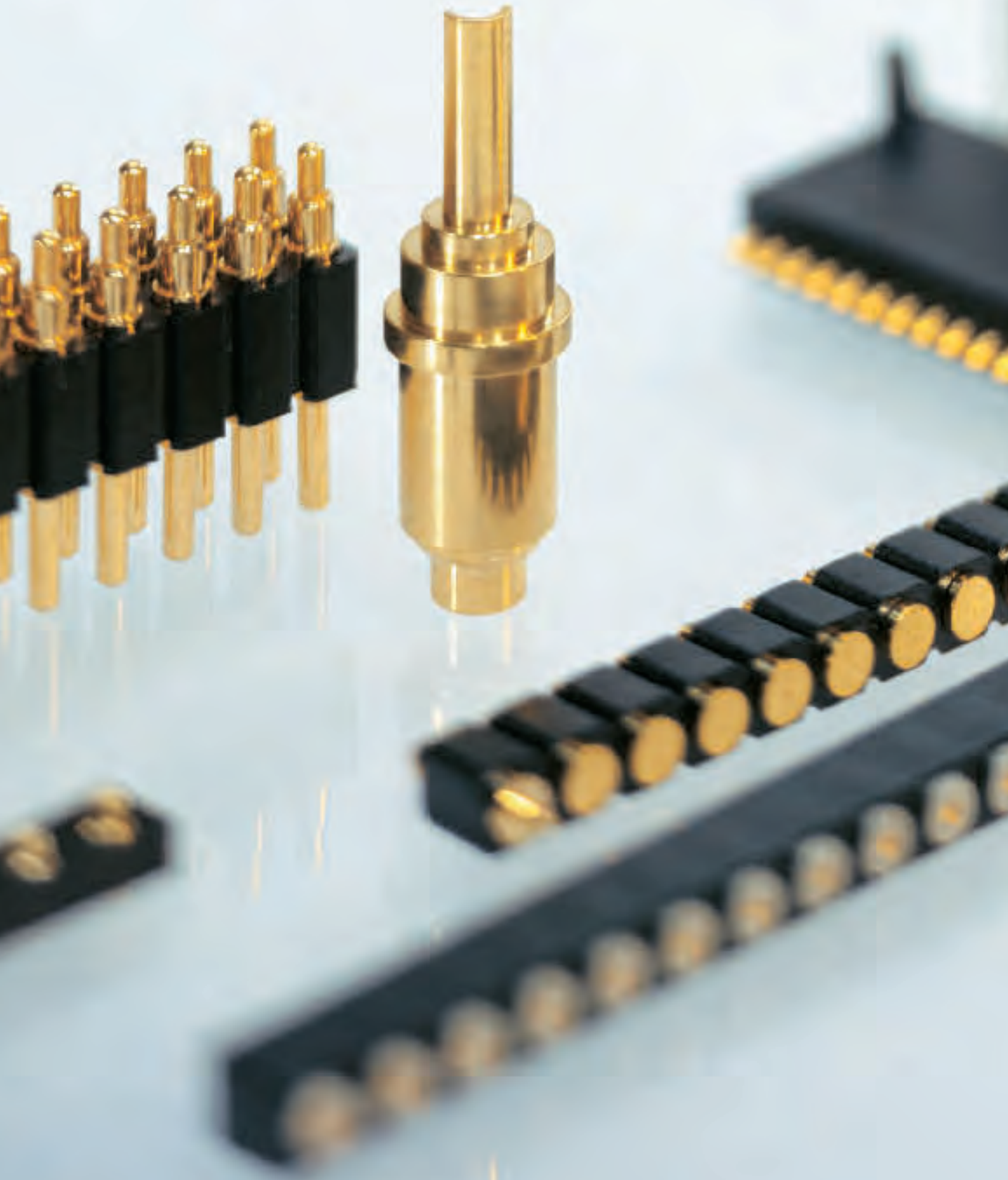
WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

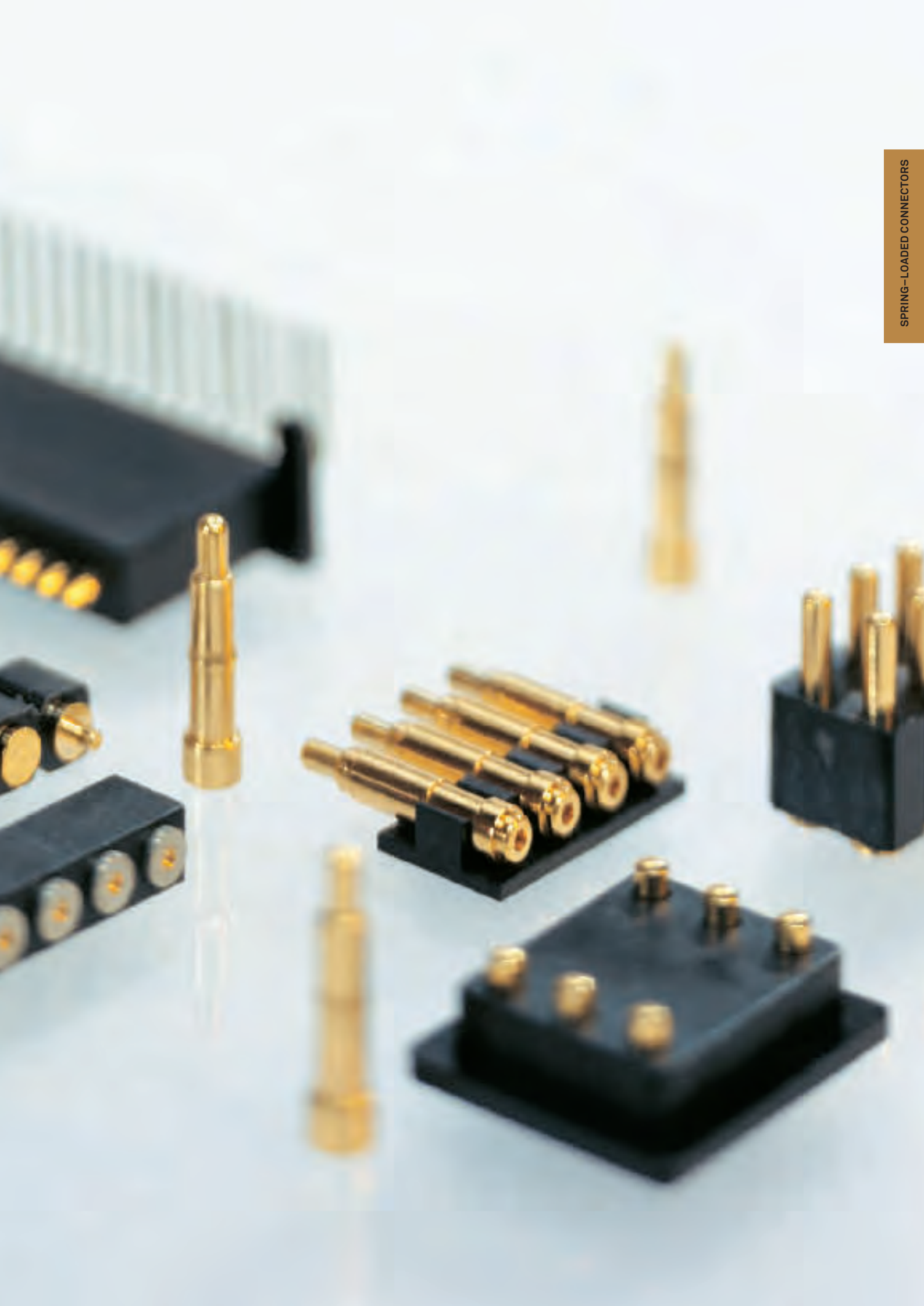
INDEX

GENERAL INFORMATION

REFERENCE	PAGE	REFERENCE	PAGE	REFERENCE	PAGE	REFERENCE	PAGE
802...10-001101	108	811...30-014101	36	831...30-001101	61	860...10-001101	45
802...10-002101	108	811...30-015101	36	831...30-242101	61	860...40-001101	45
802...10-193101	109	811...30-016101	36	831...40-001101	62	861...10-001101	44
802...12-002101	110	811...30-017101	36	831...64-001101	63	861...40-001101	44
802...20-001101	111	811...30-021101	37	831...64-242101	63		
802...22-002101	112	811...30-022101	37	832...10-001101	64		
802...30-001101	113	811...30-023101	37	832...12-002101	64	880...10-001101	68
802...30-480101	113	811...30-024101	37	832...20-001101	65	880...20-001101	68
802...30-507101	39	811...30-025101	37	832...22-002101	65	882...10-001101	68
802...32-002101	114	811...30-026101	37	832...30-001101	66	882...20-001101	68
802...65-001101	116	811...30-027101	37	832...32-002101	66		
802...66-001101	116			833...10-001101	57		
802...6B-002101	117			833...10-245101	59	890...10-XXX101	118
		813...10-014101	34	833...10-273101	57	890...20-XXX101	119
		813...10-015101	34	833...10-287101	58	892...10-XXX101	118
803...10-001101	87	813...10-016101	34	833...10-453101	58	892...20-XXX101	119
803...10-003101	89	813...10-017101	34	833...10-457101	58	894...10-001101	118
803...10-004101	99	813...10-474101	34	833...20-001101	60	894...20-001101	119
803...10-005101	90	813...30-001101	35	833...30-001101	61		
803...10-012101	86	813...30-002101	35	833...30-245101	61		
803...10-132101	75	813...30-003101	35	833...64-001101	63	8FM...02-146	96
803...10-216101	91	813...30-004101	35	833...64-245101	63	8FM...02-278	96
803...10-249101	91	813...30-005101	35	837...30-291101	62	8MM...02-131	39
803...10-268101	85	813...30-006101	35			8MM...02-279	115
803...10-269101	90	813...30-007101	35			8PC...01-828	32
803...20-001101	92	813...30-014101	36	850...10-001101	51	8PD...01-812	32
803...30-001101	95	813...30-015101	36	850...20-001101	52	8PM...02-219	38
803...30-002101	94	813...30-016101	36	850...30-001101	53	8PM...02-131	38
803...30-480101	94	813...30-017101	36	850...30-135101	53	8PM...02-260	38
803...53-001101	99	813...30-021101	37	850...40-001101	54		
803...65-001101	97	813...30-022101	37	850...40-251101	54		
803...65-410101	80	813...30-023101	37			917...41-005101	149
803...66-001101	97	813...30-024101	37			917...41-053101	149
		813...30-025101	37	851...10-001101	46		
		813...30-026101	37	851...10-477101	47		
		813...30-027101	37	851...20-001101	48	999-11-110-10	122
804...10-193101	109			851...30-001101	49	999-11-112-10	122
804...12-002101	110			851...30-136101	49	999-11-113-10	122
804...22-002101	112			851...40-001101	50	999-11-210-10	122
804...6B-002101	117	821...30-012101	33	851...40-252101	50	999-11-210-11	122
805...10-001101	87	821...30-013101	33			999-11-220-10	122
805...10-003101	89	821...30-014101	33			999-11-220-11	122
805...10-005101	90	821...30-015101	33			999-11-230-10	122
805...10-012101	86	823...30-012101	33	852...10-001101	51	999-11-230-11	122
805...10-132101	75	823...30-013101	33	852...10-002101	51		
805...10-229101	73	823...30-014101	33	852...20-001101	52		
		823...30-015101	33	852...20-002101	52		
				852...30-001101	53	999-19-210-00	123
811...10-014101	34			852...30-002101	53	999-19-210-02	123
811...10-015101	34	830...10-001101	64	852...30-051101	54	999-19-210-06	123
811...10-016101	34	830...12-002101	64	853...10-001101	46	999-19-220-00	123
811...10-017101	34	830...20-001101	65	853...10-002101	46	999-19-310-00	123
811...30-001101	35	830...22-002101	65	853...20-001101	48	999-19-310-02	123
811...30-002101	35	830...30-001101	66	853...20-002101	48	999-19-310-06	123
811...30-003101	35	830...32-002101	66	853...30-001101	49	999-19-320-00	123
811...30-004101	35	830...40-001101	67	853...30-002101	49		
811...30-005101	35	831...10-001101	57	853...30-051101	50		
811...30-006101	35	831...10-230101	58	854...10-001101	51	999-51-110-10	122
811...30-007101	35	831...10-242101	59	854...20-001101	52	999-51-112-10	122
811...30-008101	35	831...10-273101	57	855...10-001101	46	999-51-113-10	122
		831...20-001101	60	855...20-001101	48		

SPRING-LOADED CONNECTORS







preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

QUICK SELECTOR CHART

SPRING-LOADED CONNECTORS AND PAD CONNECTORS

GRID

1.25 mm	2 mm	2.54 mm
SINGLE ROW	SINGLE ROW	SINGLE ROW
	DOUBLE ROW	DOUBLE ROW

SLC CONNECTORS

SEE PAGE

Straight solder tail		32		34	34
Right angle solder tail		32			
Surface mount perpendicular			33	33	35, 36
Surface mount perpendicular with positioning pins					37
Surface mount parallel				38	
SIM card socket					38

PAD CONNECTORS

Surface mount perpendicular				39	39
Surface mount parallel				39	

The values listed below are general specs applying for PRECI-DIP spring-loaded connectors. Please see individual catalog page for additional and product specific technical data.

OPERATING TEMPERATURE RANGE	-55 ... +125 °C (-55 °... +85 °C with music wire spring)
CLIMATIC CATEGORY (IEC)	55/85/21
OPERATING HUMIDITY RANGE	Annual mean 75%
MAX. WORKING VOLTAGE	100 V _{RMS} /150 V _{DC} (2.54 mm grid)



PRECI-DIP connectors designated « Series Preci-Dip Connector » are recognized by UL LLC and listed under « Connectors for Use in Data, Signal, Control and Power Applications », File Nr. E174442.

MECHANICAL CHARACTERISTICS

	BASIC HOLLOW PISTON TYPE	LOW RESISTANCE SHAPED PISTON TYPE	LOW RESISTANCE CLIP IN-LINE DESIGN TYPE
MIN. INITIAL HEIGHT	3 mm	6 mm	10 mm
STROKE/HEIGHT RATIO	Max. 0.3	Max. 0.2	Max. 0.15
MAX STROKE	2 mm	2 mm	1.5 mm
MIN. INITIAL SPRING FORCE	0.2 N	0.2 N	0.2 N

ELECTRICAL CHARACTERISTICS

INSULATION RESISTANCE BETWEEN ANY TWO ADJACENT CONTACTS	Min. 10'000 MΩ at 500 V _{AC}
CAPACITANCE BETWEEN ANY TWO ADJACENT CONTACTS	Max. 1 pF

ENVIRONMENTAL CHARACTERISTICS

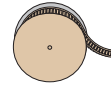
The sockets withstand the following environmental tests without mechanical and electrical defects:

- Dry heat steady state IEC 60512-11-9.11i / 60068-2-2.Bb: 125 °C, 16 h
 - Damp heat cyclic IEC 60512-11-12.11m / 60068-2-30.Db: 25/55 °C, 90 – 100 %rH, 1 cycle of 24 h
 - Cold steady state IEC 60512-11-10.11j / 60068-2-1.A: -55 °C, 2 h
 - Thermal shock IEC 60512-11-4.11d / 60068-2-14.Na: -55/125 °C, 5 cycles 30 min
 - Sinusoidal vibrations IEC 60512-6-4.6d / 60068-2-6.Fc: 10 to 500 Hz, 10 g, 1 octave/min, 10 cycles for each axis
 - Shock IEC 60512-6-3.6c / 60068-2-27.Ea: 50 g, 11 ms, 3 shocks in three axis
- During the above two tests, no contact interruption >50 ns does appear.

- Solderability J-STD-002A, Test A, 245 °C, 5 s, solder alloy SnAg3.8Cu0.7
- Resistance to soldering heat J-STD-020C, 260 °C, 20 s
- Moisture sensitivity J-STD-020C level 1
- Resistance to corrosion:
 - 1) Salt spray test IEC 60068-2-11.Ka: 48 h
 - 2) Sulfur dioxide (SO₂) test IEC 60068-2-42 Kc: 96 h at 25 ppm SO₂, 25 °C, 75 %rH
 - 3) Hydrogen sulfide (H₂S) test IEC 60068-2-43 Kd: 96 h at 12 ppm H₂S, 25 °C, 75 %rH

PACKAGING

- Standard connector packaging is card box.
- SMD mount connectors available on request with Tape & Reel packaging acc. to EIA Standard 481. These products are marked with the symbol:



T & R Packaging

Please consult www.precidip.com for availability, size of tape, size of reel, number of components per reel, packing units and part numbers.



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

SPRING-LOADED CONNECTORS

1.25 mm GRID / SINGLE ROW / SOLDER TAIL

Fine pitch connectors with spring-loaded contacts (SLC), solder tail. High-rel contacts with clip, patented in-line design.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

INSULATOR	Black glass filled polyester PCT-GF30-FR	
FLAMMABILITY	UL 94V-0	
PISTON AND BARREL	Brass CuZn36Pb3 (C36000)	
CONTACT CLIP	Beryllium copper (C17200)	
SPRING	Stainless steel X12 CrNi177, DIN 17224	
MAX. STROKE	1.4 mm	
FORCES	0.2 N initial	0.36 N at 1/2 stroke
MECHANICAL LIFE	40'000 cycles	
OPERATING CURRENT	Max. 2 A	
CONTACT RESISTANCE	20 mΩ (static measurement, halfway position)	

ORDERING INFORMATION ROHS COMPLIANT PARTS

PLATING CODE	PIN	PISTON
28	Tin	0.3 μm min. gold



See page 178 for plating specs.

Surface mount miniature SLC connectors available on request.

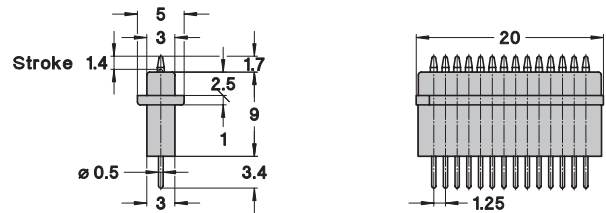
Please consult.

8PD-28-0014-01-812

Straight SLC connector, solder tail, single row

Standard number of contacts: 14

Please consult for other pin number or partially equipped connectors

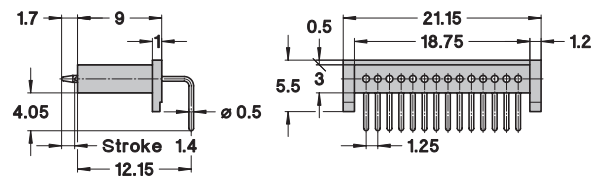


8PC-28-0014-01-828

Right angle SLC connector, solder tail, single row

Standard number of contacts: 14

Please consult for other pin number or partially equipped connectors





preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

SPRING-LOADED CONNECTORS

2 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Basic modular connectors with spring-loaded contacts (SLC), surface mount. Contacts with hollow piston design for low profile.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

INSULATOR	Black glass filled polyester LCP-GF30-FR	
FLAMMABILITY	UL 94V-0	
PISTON AND BARREL	Brass CuZn36Pb3 (C36000)	
SPRING	Stainless steel X12 CrNi177, DIN 17224	
MAX. STROKE	1.4 mm	
FORCES	0.3 N initial	0.85 N at 1/2 stroke
MECHANICAL LIFE	50'000 cycles	
OPERATING CURRENT	Max. 3.5 A	
CONTACT RESISTANCE	10 mΩ (static measurement, halfway position)	
COPLANARITY	Max. 0.1 mm (measured on 25 mm long connectors)	
SMD TERMINATIONS		



SPRING-LOADED CONNECTORS

ORDERING INFORMATION ROHS COMPLIANT PARTS

PLATING CODE	BARREL	PISTON
S1	0.25 μm gold	0.5 μm gold

See page 178 for plating specs.

NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 821-SS-**NNN**-30-012101 for a single row version with 16 pins becomes 821-SS-**016**-30-012101.

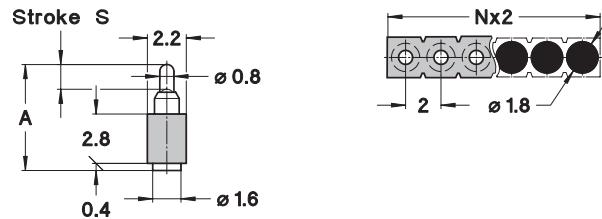
821-S1-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row

AVAILABILITY FROM 2 to 10 contacts
(standard number of contacts: 10)



T & R Packaging



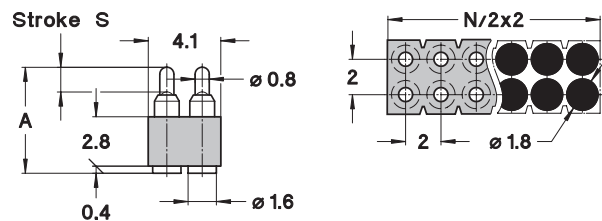
823-S1-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, double row

AVAILABILITY FROM 4 to 20 contacts
(standard number of contacts: 20)



T & R Packaging



AVAILABLE CONNECTOR HEIGHTS

INITIAL HEIGHT A (mm)	STROKE S (mm)	XXX CODE
5	1.1	012
5.5	1.1	013
6	1.4	014
6.5	1.4	015



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SOLDER TAIL

Low resistance modular connectors with spring-loaded contacts (SLC), solder tail. Contacts with improved, shaped piston design.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

INSULATOR	Black glass filled polyester PCT-GF30-FR	
FLAMMABILITY	UL 94V-0	
PISTON AND BARREL	Brass CuZn36Pb3 (C36000)	
SPRING	Music wire DIN 17223, gold plated	
MAX. STROKE	1.4 mm	
FORCES	0.25 N initial	0.85 N at 1/2 stroke
MECHANICAL LIFE	50'000 cycles	
OPERATING CURRENT	Max. 3.5 A	
CONTACT RESISTANCE	10 mΩ (static measurement, halfway position)	

ORDERING INFORMATION ROHS COMPLIANT PARTS

PLATING CODE	BARREL	PISTON
S1	0.25 μm gold	0.5 μm gold
SS	0.5 μm gold	0.5 μm gold



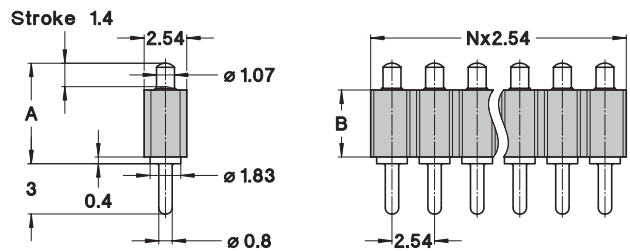
See page 178 for plating specs.

NNN number of poles: Replace **NNN** with the requested number of poles, e.g. 813-S1-**NNN**-10-014101 for a double row version with 16 pins becomes 813-S1-**016**-10-014101.

811-S1-**NNN**-10-**XXX**101

Straight SLC connector, low profile, solder tail, single row

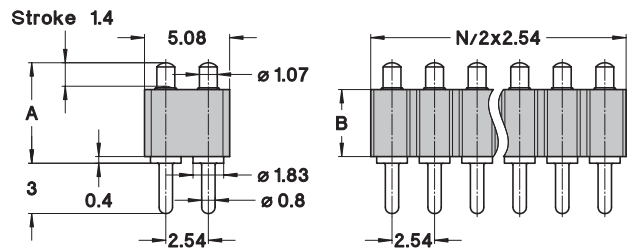
AVAILABILITY FROM 2 to 64 contacts
(standard number of contacts: 64)



813-S1-**NNN**-10-**XXX**101

Straight SLC connector, low profile, solder tail, double row

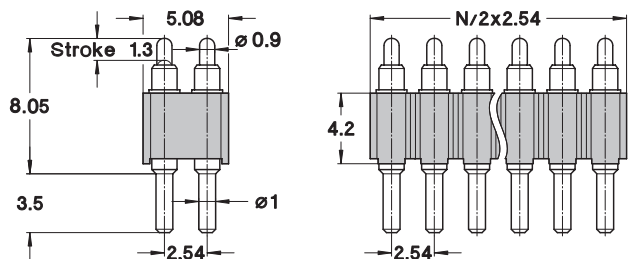
AVAILABILITY FROM 4 to 72 contacts
(standard number of contacts: 72)



813-SS-**NNN**-10-474101

Straight SLC connector, solder tail, double row

AVAILABILITY FROM 4 to 64 contacts
(standard number of contacts: 64)



AVAILABLE CONNECTOR HEIGHTS

INITIAL HEIGHT A (mm)	PLASTIC BODY HEIGHT B (mm)	XXX CODE
6	4	014
6.5	4	015
7	4	016
7.5	4	017



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Basic modular connectors with spring-loaded contacts (SLC), surface mount. Contacts with hollow piston design for low profile.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

INSULATOR	Black glass filled polyester PCT-GF30-FR	
FLAMMABILITY	UL 94V-0	
PISTON AND BARREL	Brass CuZn36Pb3 (C36000)	
SPRING	Stainless steel X12 CrNi177, DIN 17224 (Music wire DIN 17223, gold plated for 811...008101)	
MAX. STROKE	1.4 mm (1 mm for 811-...-008101 and 1.5 mm for 811/813-...-001101)	
FORCES	0.25 N initial	0.6 N at 1/2 stroke
MECHANICAL LIFE	100'000 cycles	
OPERATING CURRENT	Max. 3.5 A	
CONTACT RESISTANCE	15 mΩ (static measurement, halfway position)	
COPLANARITY SMD TERMINATIONS	Max. 0.1 mm (measured on 25 mm long connectors)	



ORDERING INFORMATION ROHS COMPLIANT PARTS

PLATING CODE	BARREL	PISTON
SS	0.5 μm gold	0.5 μm gold

See page 178 for plating specs.

NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 811-SS-**NNN**-30-002101 for a single row version with 16 pins becomes 811-SS-**016**-30-002101.

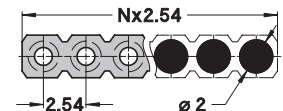
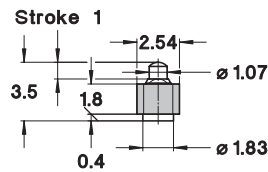
811-SS-**NNN**-30-008101

Surface mount SLC connector, very low profile, single row

AVAILABILITY FROM 2 to 10 contacts
(standard number of contacts: 10)



T & R Packaging



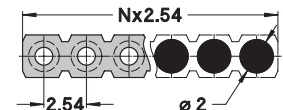
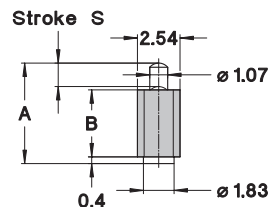
811-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row

AVAILABILITY FROM 2 to 10 contacts
(standard number of contacts: 10)



T & R Packaging



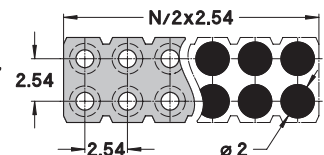
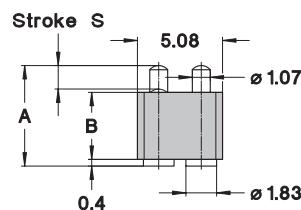
813-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, double row

AVAILABILITY FROM 4 to 20 contacts
(standard number of contacts: 20)



T & R Packaging



AVAILABLE CONNECTOR HEIGHTS

INITIAL HEIGHT A (mm)	STROKE S (mm)	PLASTIC BODY HEIGHT B (mm)	XXX CODE
4.5	1.15	2.95	001
5	1.4	2.95	002
5.5	1.4	2.95	003
6	1.4	4	004
6.5	1.4	4	005
7	1.4	4	006
7.5	1.4	4	007



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Low resistance modular connectors with spring-loaded contacts (SLC), surface mount. Contacts with improved shaped piston design.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

INSULATOR	Black glass filled polyester PCT-GF30-FR	
FLAMMABILITY	UL 94V-0	
PISTON AND BARREL	Brass CuZn36Pb3 (C36000)	
SPRING	Music wire DIN 17223, gold plated	
MAX. STROKE	1.4 mm	
FORCES	0.25 N initial	0.85 N at 1/2 stroke
MECHANICAL LIFE	50'000 cycles	
OPERATING CURRENT	Max. 3.5 A	
CONTACT RESISTANCE	10 mΩ (static measurement, halfway position)	
COPLANARITY	Max. 0.1 mm (measured on 25 mm long connectors)	
SMD TERMINATIONS	Max. 0.1 mm (measured on 25 mm long connectors)	



ORDERING INFORMATION ROHS COMPLIANT PARTS

PLATING CODE	BARREL	PISTON
S1	0.25 μm gold	0.5 μm gold

See page 178 for plating specs.

NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 813-S1-**NNN**-30-014101 for a double row version with 16 pins becomes 813-S1-**016**-30-014101.

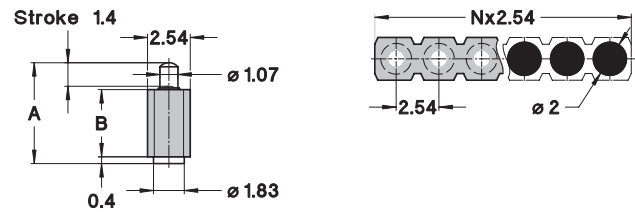
811-S1-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row

AVAILABILITY FROM 2 to 10 contacts
(standard number of contacts: 10)



T & R Packaging



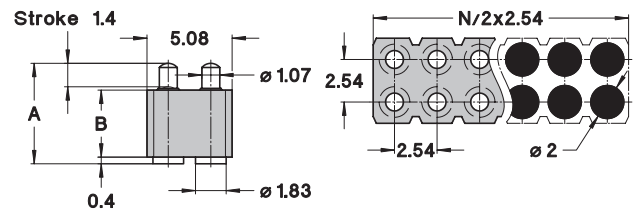
813-S1-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, double row

AVAILABILITY FROM 4 to 20 contacts
(standard number of contacts: 20)



T & R Packaging



AVAILABLE CONNECTOR HEIGHTS

INITIAL HEIGHT A (mm)	PLASTIC BODY HEIGHT B (mm)	XXX CODE
6	4	014
6.5	4	015
7	4	016
7.5	4	017



preci-dip

WWW.PRECIDIP.COM TEL +41 32 421 04 00 SALES@PRECIDIP.COM

SPRING-LOADED CONNECTORS

2.54 mm GRID / SINGLE ROW / DOUBLE ROW / SURFACE MOUNT

Basic modular connectors with spring-loaded contacts (SLC), surface mount with positioning pins. Contacts with hollow piston design for low profile.

TECHNICAL SPECIFICATIONS (FOR GENERAL SPECS, SEE PAGE 31)

INSULATOR	Black glass filled polyester PCT-GF30-FR
FLAMMABILITY	UL 94V-0
PISTON AND BARREL	Brass CuZn36Pb3 (C36000)
SPRING	Stainless steel X12 CrNi177, DIN 17224
MAX. STROKE	1.4 mm (1.15 mm for 811/813-...-021101)
FORCES	0.25 N initial 0.6 N at 1/2 stroke
MECHANICAL LIFE	100'000 cycles
OPERATING CURRENT	Max. 3.5 A
CONTACT RESISTANCE	15 mΩ (static measurement, halfway position)
COPLANARITY	
SMD TERMINATIONS	Max. 0.1 mm (measured on 25 mm long connectors)



ORDERING INFORMATION ROHS COMPLIANT PARTS

PLATING CODE	BARREL	PISTON
SS	0.5 μm gold	0.5 μm gold

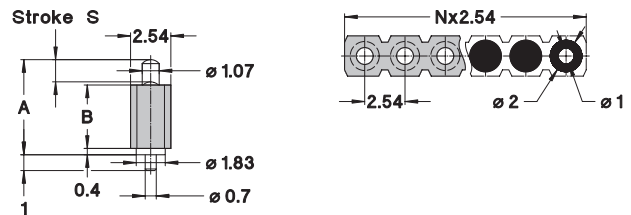
See page 178 for plating specs.

NNN number of poles. Replace **NNN** with the requested number of poles, e.g. 813-SS-**NNN**-30-021101 for a double row version with 16 pins becomes 813-SS-**016**-30-021101.

811-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, single row, with 2 positioning pins

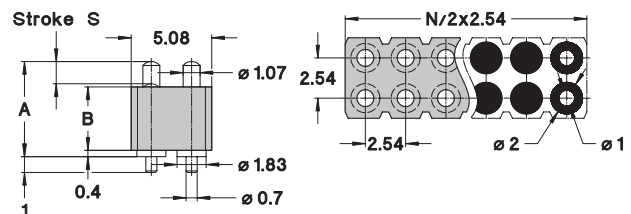
AVAILABILITY FROM 2 to 10 contacts
(standard number of contacts: 10)



813-SS-**NNN**-30-**XXX**101

Surface mount SLC connector, double row, with 4 positioning pins

AVAILABILITY FROM 4 to 20 contacts
(standard number of contacts: 20)



AVAILABLE CONNECTOR HEIGHTS

INITIAL HEIGHT A (mm)	STROKE S (mm)	PLASTIC BODY HEIGHT B (mm)	XXX CODE
4.5	1.15	2.95	021
5	1.4	2.95	022
5.5	1.4	2.95	023
6	1.4	4	024
6.5	1.4	4	025
7	1.4	4	026
7.5	1.4	4	027

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Preci-dip:](#)

[821-S1-003-30-012101](#) [823-S1-008-30-014101](#)