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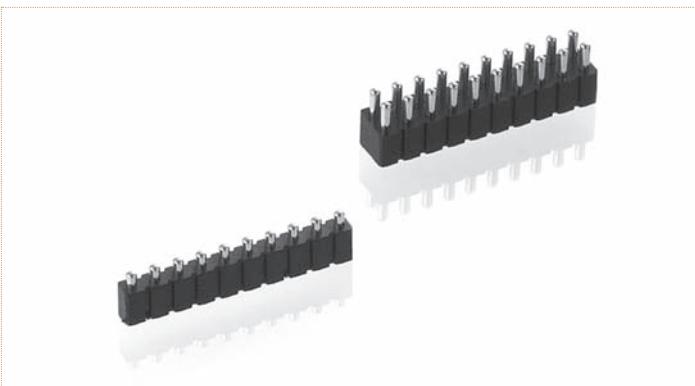
# SPRING-LOADED CONNECTORS

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 m $\Omega$ (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 $\mu$ m gold	0.5 $\mu$ m 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)



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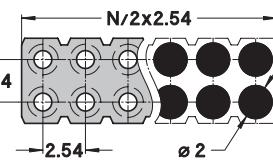
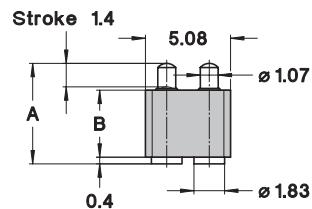
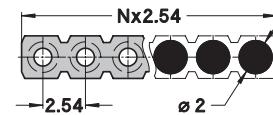
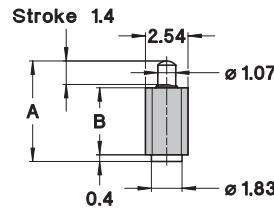
### 813-S1-**NNN**-30-**XXX**101

Surface mount SLC connector, low profile, double row

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



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## 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