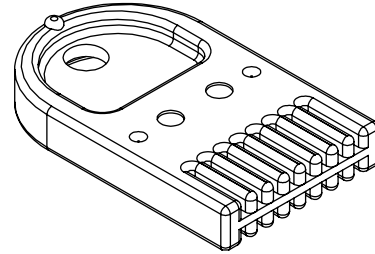
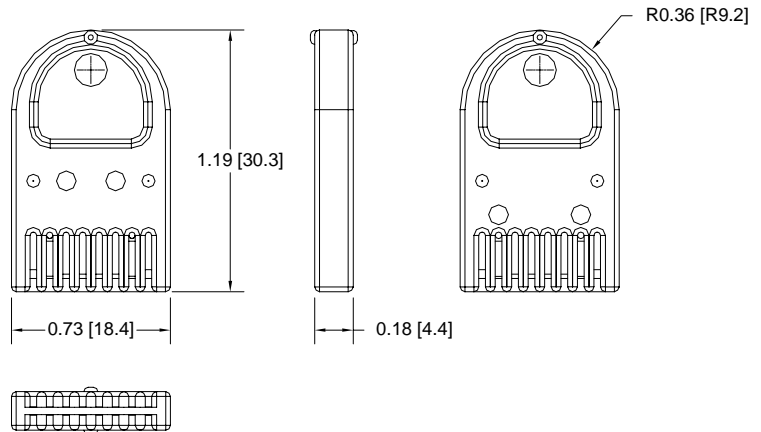


Datakey Electronics SST Series SlimLine™ Token contains 2Kb to 256Kb non-volatile, serial SPI¹ EEPROM memory. A thin profile and space-saving interface connection make them especially well suited for use in compact systems. Typical applications for the SlimLine Tokens include access control and lower capacity data transfer. This Token is constructed of tough, synthetic materials that protect its embedded memories from harsh environmental influences, even when exposed to dirt, moisture, chemicals, X-rays, and electrostatic discharge.

Mechanical	
Contact Life	10,000 Insertions/Removal Cycles Min.
Contact Arrangement	Fully Redundant (Front:Back)
Electrical ¹	
Power, Active	25 milliwatts @ 5V typical
Power, Standby	50 microwatts @ 5V typical
Voltage ³	2.7 to 5.5V
ESD Protection	15kV (per Std. 064-1028)
Environmental	
Storage Temperature	-40° C to + 100° C
Operating Temperature	-40° C to + 85° C
Relative Humidity	5% to 95% (non-condensing)
Memory ¹	
Token:	Capacity:
SST2Kb	2Kb (2048 bits) 256 x 8
SST16Kb	16Kb (16384 bits) 2048 x 8
SST64Kb	64Kb (65536 bits) 8192 x 8
SST256Kb	256Kb (262,144 bits) 32768 x 8
Read Cycles	Unlimited
Write/Erase Cycles	1,000,000 Cycles Minimum ⁴
Data Life (Storage)	10 Years Minimum
Mating Component(s)	
Panel-Mount Receptacle	SR4210
PCB Mount Receptacle	SR4000 Family of Receptacles
Reader/Writer	SlimLink™ III (recommended), SlimLink™ II
Ordering Information ²	
SST2Kb	611-0099-00XA
SST16Kb	611-0101-00XA
SST64Kb	611-0102-00XA
SST256Kb	611-0103-00XA



For pin-out information, refer to the individual data sheets for the SR4000 Family of Receptacles.



Drawing dimensions are in inches and millimeters [mm]. Dimensions are nominal and subject to manufacturer's tolerances.

NOTES:

- 1: Complete SPI Interface Specification available at http://www.datakeyelectronics.com/technical_inter_specs.html
- 2: "X" indicates optional color number. "A" suffix on part number indicates RoHS compliance.
- 3: **Design Recommendation:** It is recommended that all new Key/Token implementations be designed to operate with power supplies in the range of 2.7 to 3.6 volts. Although there is no immediate or certain future difficulties in the procurement of memory devices that operate with V_{cc} in the 4.5 to 5.5 volt range, it is possible the future availability of such memories may be impacted as semiconductor manufacturers continue to shrink their die geometries. Please contact the factory if you have any questions pertaining to this with your current or legacy design.
- 4: SST256Kb Tokens manufactured prior to 2007 have a 100,000 write/erase cycle minimum.

