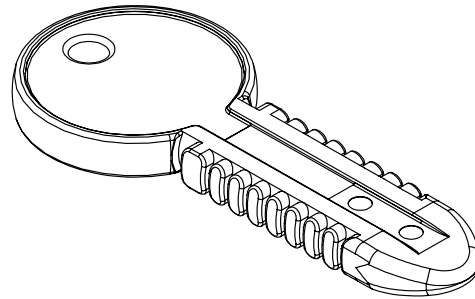
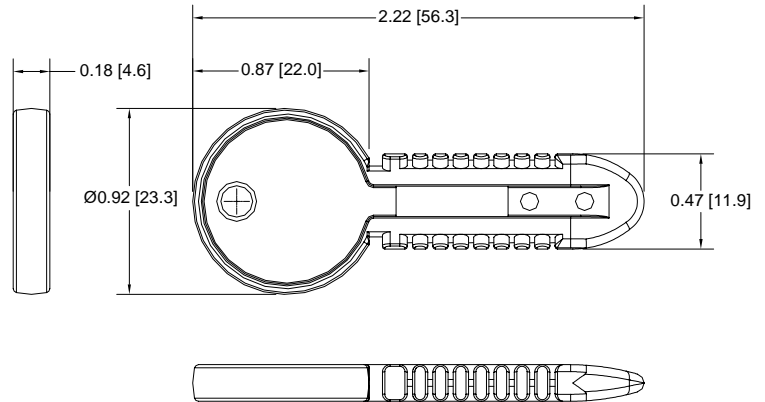


The SSK Series is available with 2Kb, 16Kb, 64Kb, and 256Kb of serial SPI<sup>1</sup> read/write EEPROM memory. These Keys are ideal for access control or lower capacity data transfer. These Keys can be programmed directly by your host microprocessor via a simple SPI interface to your host hardware or with the KeyLink™ Reader/Writers.

Mechanical	
Contact Life	15,000 Insertions/Removal Cycles Min.
Contact Arrangement	Fully Redundant (Top:Bottom)
Key Head Shear Limit	15 Pounds
Key Twist Torque Limit	15 Inch-pounds
Electrical <sup>1</sup>	
Power, Active	25 milliwatts @ 5V typical
Power, Standby	50 microwatts @ 5V typical
Voltage <sup>3</sup>	2.7 to 5.5V
ESD Protection	10kV (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 <sup>1</sup>	
Key:	Capacity:
SSK2Kb	2Kb (2048 bits) 256 x 8
SSK16Kb	16Kb (16384 bits) 2048 x 8
SSK64Kb	64Kb (65536 bits) 8192 x 8
SSK256Kb	256Kb (262,144 bits) 32768 x 8
Read Cycles	Unlimited
Write/Erase Cycles	1,000,000 Cycles Minimum <sup>4</sup>
Data Life (Storage)	10 Year Minimum
Mating Component(s)	
Panel-Mount Receptacle	KC4210
PCB Mount Receptacle	KC4210PCB
Reader/Writer	KeyLink™ III (recommended), KeyLink™ II
Ordering Information <sup>2</sup>	
SSK2Kb	611-0094-00XA
SSK16Kb	611-0096-00XA
SSK64Kb	611-0097-00XA
SSK256Kb	611-0098-00XA



Refer to Keyceptacle® data sheets for pin-out information. Other Key head designs and customization are also available. Contact factory.



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](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: SSK256Kb Keys manufactured prior to 2007 have a 100,000 write/erase cycle minimum.

