KSD
Panel-Mount Receptacle

Datakey ®

The power of memory. Secured.

The KSD panel-mount receptacle mates with all Datakey Plug memory tokens, including the KSD, ISP and SSP series tokens (see token datasheets for more details). The receptacle is designed for high-vibration applications, as the plug token locks into the receptacle with a one-eighth-turn of the token's lock top. The receptacle is also designed to be flush-mounted, so no part of the receptacle protrudes from the panel. Additionally, the bail/handle of the plug token also folds flat providing for a completely flush-mounted solution, even when mated.

The receptacle is rated for at least 10,000 insertion removal cycles. The open design of the KSD receptacle allows for easy in-the-field cleaning if needed. A light-duty cap is offered to prevent debris from entering the receptacle cavity when no token will be inserted. The cap is not designed for frequent use/cycling, however. The receptacle achieves an IP65 rating when properly mounted and used with a customer-supplied gasket. Contact ATEK for mounting suggestion.

KSD receptacle with no token

KSD receptacle shown with cap

MECHANICAL	
Color	Black
Weight	8.5 g (0.3 oz) Maximum
Contact Life	10,000 Insertion/Removal Cycles Min.
ELECTRICAL	
Contact Resistance	5 Ω Maximum
Resistance Between Contacts	10 MΩ Minimum
ENVIRONMENTAL	
Storage Temperature	-40°C to +100°C
Operating Temperature	-40°C to +85°C
Relative Humidity	5% to 95% (non-condensing)
MATING COMPONENT(S)	
Plug Tokens	KSD, ISP, SSP Plug Tokens
KSD Light-Duty Cap	329-0169-000A
ORDERING INFORMATION[1]	
KSD Receptacle	615-0004-000A
KSD Receptacle-Annealed	615-0003-009A

1: "A" suffix on part number indicates RoHS compliance. See CE declaration below for details.
2: Interface specifications available at www.datakey.com.
3: KGND is internally connected to GND. The host circuit can use this signal to detect the presence of the token by pulling it to high (Vcc) then a low (GND) signal indicates the token is present.

NOTES:
Conforms with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011, and as amended by Directive 2015/863/EU, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
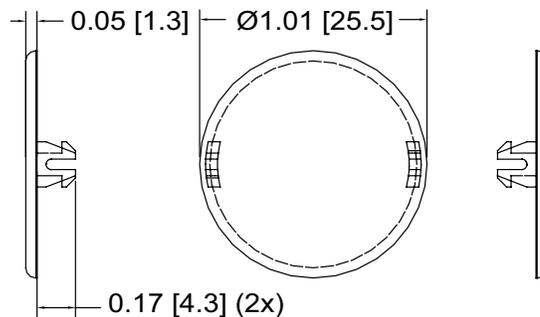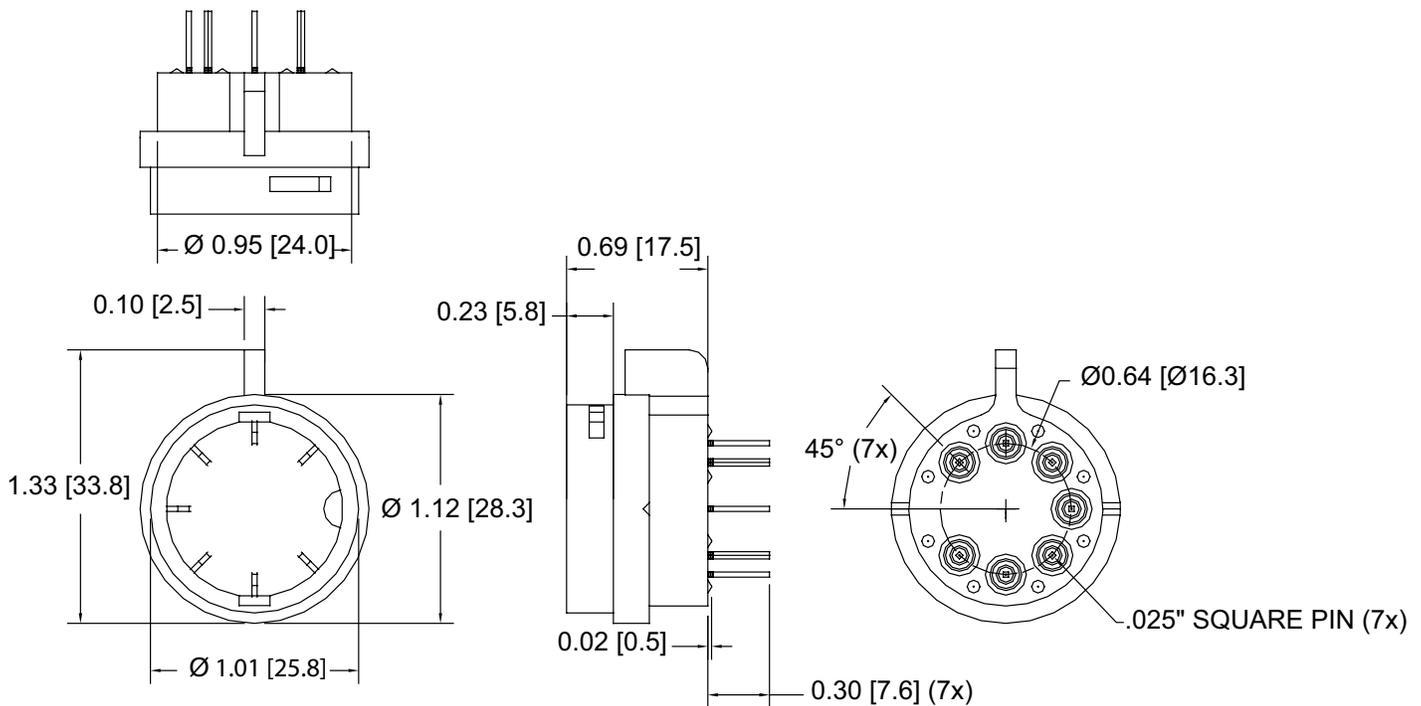
CE

⚠ **WARNING**: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

UKCA

PIN-OUT CHART[2]			
Pin	Microwire	I²C	SPI
1	KGND[3]	KGND[3]	KGND[3]
2	Ground (GND)	Ground (GND)	Ground (GND)
3	Power (V_{cc})	Power (V_{cc})	Power (V_{cc})
4	Chip Select	SIZE / RST	Chip Select
5	Serial Clock	Serial Clock	Serial Clock
6	Data In	NC	Serial Data In
7	Data Out	SDA	Serial Data Out

NC = No Connection

KSD Receptacle

Ø 0.95 [24.0]

0.10 [2.5]

0.23 [5.8]

0.69 [17.5]

1.33 [33.8]

Ø 1.12 [28.3]

Ø 1.01 [25.8]

0.02 [0.5]

0.30 [7.6] (7x)

Ø0.64 [Ø16.3]

45° (7x)

.025" SQUARE PIN (7x)

0.05 [1.3]

Ø1.01 [25.5]

0.17 [4.3] (2x)

KSD Light-Duty Cap

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

View our full product line at www.datakey.com

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