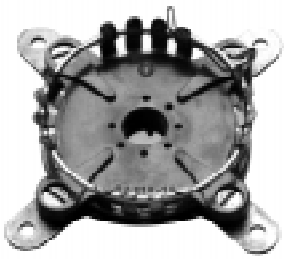
Svetlana Socket Data



SK1A

SK2A

SK3A

SK4A

SK509

The Svetlana™ sockets and the associated Svetlana and Western tube types for which they are used are listed in the chart below. When these sockets are used, connection is made to each of the tube electrodes through pins feeding through the base of each tube, and in some cases elsewhere. Connection to the anode and screen grid may be made with concentric finger stock when the socket is used with a cavity application. For anode connection in non-cavity applications, refer to Svetlana Connector Data. Socket details are provided for each of the sockets listed in the chart below.
All dimensions are nominal values.

Socket Type	Tube Type
SK1A	4CX800A
SK2A	3CX300A1, 4CX250B, 4CX250R, 4CX350A, 4CX350AC, 4CX400A, 4X150A, 8560AS
SK3A	4CX1600B
SK4A	811A, 812A, 572B, SV300B, SV811-3, SV811-10, SV572-3, SV572-10, SV572-30, SV572-160
SK509	EL509, 6D22S, GP-5

In addition to the sockets listed above, Svetlana offers the SK300A, SK340, SK1300 and SK1320 sockets. Hardware offered by Svetlana includes AC-1 to AC-5, PC509 and PC-1 connectors and CH1600B chimney.

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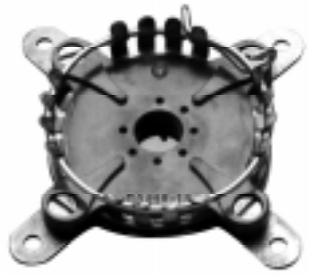
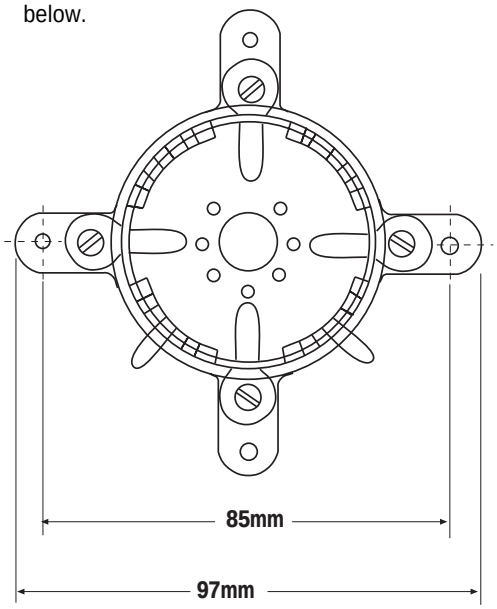
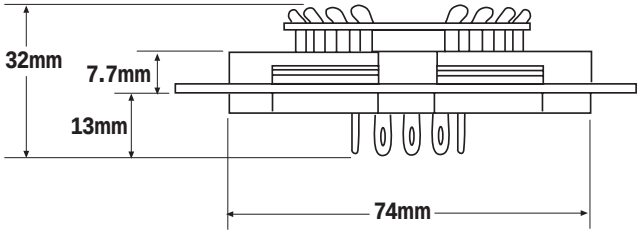
Svetlana SK1A

The Svetlana SK1A is a 7-pin socket made of high-quality dielectric. An annular 0.01 MFD screen grid bypass capcitor is built into the socket. The socket may be reconfigured to remove the effect of the capacitor or provide grounded screen grid operation, when required. All tube pin-out electrode connections and all wiring points for solder are silver plated. Please refer to the 4CX800A technical data sheet for electrical connections and cooling requirements.



Mechancial data of the Svetlana SK1A and mounting details are shown below.



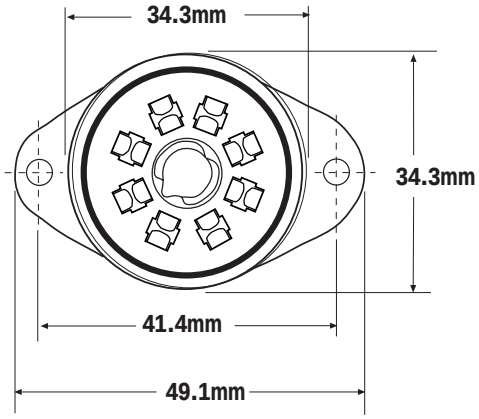


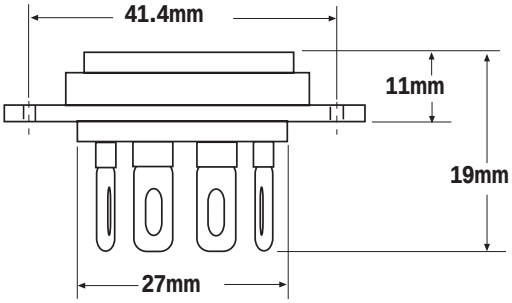
Svetlana SK2A

The Svetlana SK2A is an 8-pin socket plus the key, providing the grid connection. Insulation is provided by high-quality white ceramic. All tube pin-outs for soldering connections are silver plated. Please refer to the appropriate tube technical data sheet for electrical connections and cooling requirements.

The SK2A does not include an integral by-pass capacitor. Connection to the screen grid is through a pin connection.

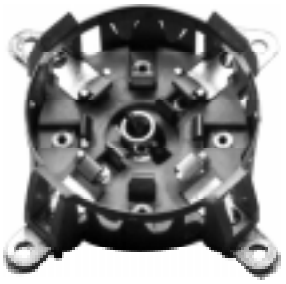
Mechanical data of the Svetlana SK2A and mounting details are shown below.





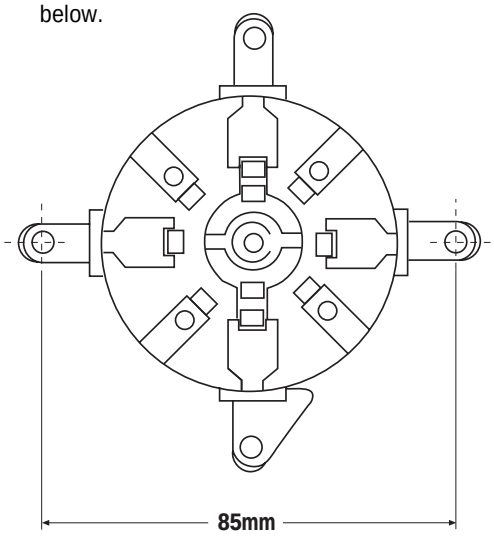
Svetlana SK3A

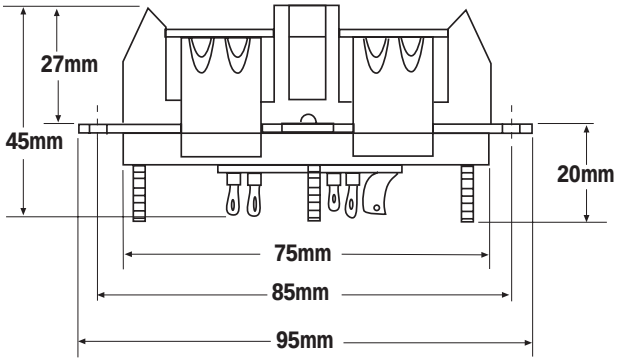
The Svetlana SK3A is a special socket for the 4CX1600B. It is made of high-quality dielectric and provides four pins at 90˚ for easy grid connection in the appropriate direction. The four pins may be used separately or in pairs to reduce common lead inductance. An annular 0.01 MFD screen bypass capacitor is built into the socket. All tube pin-out electrode connections and all wiring points for soldering connections are silver plated. The socket may be reconfigured to remove the effect of the capacitor or provide grounded screen operation when desired. Please refer to the 4CX1600B technical data sheet for tube electrical connections, cooling information and a mounting template drawing.



Mechanical data of the Svetlana SK3A and mounting details are shown below.

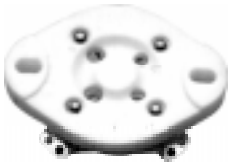
Socket Connection Information:
C1 = Control Grid
C2 = Screen Grid
H = Heater (one side)
Center = Heater (other side)
4 mounting tabs = Cathode



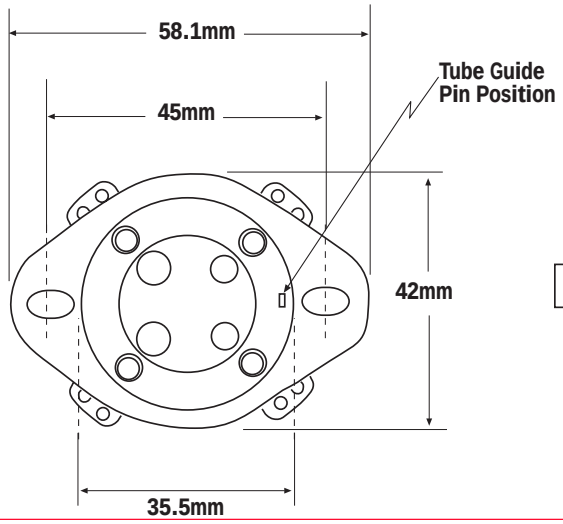


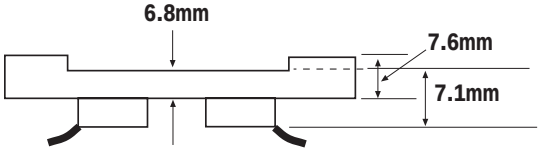
Svetlana SK4A

The Svetlana SK4A is a 4-pin white ceramic insulated socket. Tube pinout electrode connections are made through silver plated solder wiring points. Please refer to the appropriate tube technical data sheet for electrical connections and cooling requirements.



Mechanical data of the Svetlana SK4A and mounting details are shown below.





Svetlana SK509

The Svetlana SK509 socket is an off-white ceramic socket which correctly mates with 9-pin glass tubes having a standard magnoval base. Tube pin-out connections are made made through silver-plated solder wiring points. Please refer to the appropriate tube technical data sheet for electrical connections and cooling requirements.

A fibre washer should be used between the ceramic socket and metal chassis when mounting. Excessive tightening of mounting hardware may crack the ceramic socket.

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