

input: ASCII 16-vector

$S \times 1$

First convolutional layer

$S \times F/2$

First pooling layer

$S/2 \times F/2$

Second convolutional layer

$S/2 \times F$

Second pooling layer

$S/4 \times F$

Fully connected weights (in)

N

Fully connected weights (out)

4