

Input (chans, timepoints, 1)

Conv2D (F1, [1, kernel length])

BatchNormalization

DepthwiseConv2D (D, [chans, 1])

BatchNormalization

Elu activation

AveragePooling2D (1, pool size)

Dropout (dropout rate)

Permute (2, 1, 3)

BiConvLSTM
(# filters, kernel size, strides)

Dropout (LSTM dropout rate / 2)

Flatten

Dense (# classes, norm rate)

Softmax activation

Class probabilities output