Model: "functional"

Layer (type)	Output Shape	Param #	Connected to
input_layer (InputLayer)	(None, 8, 60, 5)	0	-
input_layer_1 (InputLayer)	(None, 19, 60, 5)	0	-
conv2d (Conv2D)	(None, 8, 60, 100)	20,100	input_layer[0][0]
conv2d_8 (Conv2D)	(None, 19, 60, 100)	47,600	input_layer_1[0][0]
batch_normalization (BatchNormalization)	(None, 8, 60, 100)	400	conv2d[0][0]
batch_normalization_8 (BatchNormalization)	(None, 19, 60, 100)	400	conv2d_8[0][0]
max_pooling2d (MaxPooling2D)	(None, 8, 30, 100)	0	batch_normalization[0][0]
max_pooling2d_2 (MaxPooling2D)	(None, 19, 30, 100)	0	batch_normalization_8[0][…
dropout (Dropout)	(None, 8, 30, 100)	0	max_pooling2d[0][0]
dropout_8 (Dropout)	(None, 19, 30, 100)	0	max_pooling2d_2[0][0]
conv2d_1 (Conv2D)	(None, 8, 30, 100)	560,100	dropout[0][0]
conv2d_9 (Conv2D)	(None, 19, 30, 100)	1,330,100	dropout_8[0][0]
batch_normalization_1 (BatchNormalization)	(None, 8, 30, 100)	400	conv2d_1[0][0]
batch_normalization_9 (BatchNormalization)	(None, 19, 30, 100)	400	conv2d_9[0][0]
dropout_1 (Dropout)	(None, 8, 30, 100)	0	batch_normalization_1[0][…
dropout_9 (Dropout)	(None, 19, 30, 100)	0	batch_normalization_9[0][…
conv2d_2 (Conv2D)	(None, 8, 30, 100)	560,100	dropout_1[0][0]
conv2d_10 (Conv2D)	(None, 19, 30, 100)	1,330,100	dropout_9[0][0]
batch_normalization_2 (BatchNormalization)	(None, 8, 30, 100)	400	conv2d_2[0][0]
batch_normalization_10 (BatchNormalization)	(None, 19, 30, 100)	400	conv2d_10[0][0]
dropout_2 (Dropout)	(None, 8, 30, 100)	0	batch_normalization_2[0][…
dropout_10 (Dropout)	(None, 19, 30, 100)	0	batch_normalization_10[0]…
conv2d_3 (Conv2D)	(None, 1, 28, 100)	240,100	dropout_2[0][0]
conv2d_11 (Conv2D)	(None, 1, 28, 100)	570,100	dropout_10[0][0]
batch_normalization_3 (BatchNormalization)	(None, 1, 28, 100)	400	conv2d_3[0][0]
batch_normalization_11 (BatchNormalization)	(None, 1, 28, 100)	400	conv2d_11[0][0]
max_pooling2d_1 (MaxPooling2D)	(None, 1, 14, 100)	0	batch_normalization_3[0][…
max_pooling2d_3 (MaxPooling2D)	(None, 1, 14, 100)	0	batch_normalization_11[0]…
dropout_3 (Dropout)	(None, 1, 14, 100)	0	max_pooling2d_1[0][0]
dropout_11 (Dropout)	(None, 1, 14, 100)	0	max_pooling2d_3[0][0]
conv2d_4 (Conv2D)	(None, 1, 14, 100)	70,100	dropout_3[0][0]
conv2d_12 (Conv2D)	(None, 1, 14, 100)	70,100	dropout_11[0][0]
batch_normalization_4 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_4[0][0]
batch_normalization_12 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_12[0][0]
dropout_4 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_4[0][…
dropout_12 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_12[0]…
conv2d_5 (Conv2D)	(None, 1, 14, 100)	70,100	dropout_4[0][0]
conv2d_13 (Conv2D)	(None, 1, 14, 100)	70,100	dropout_12[0][0]
batch_normalization_5 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_5[0][0]
batch_normalization_13 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_13[0][0]
dropout_5 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_5[0][…
dropout_13 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_13[0]…
conv2d_6 (Conv2D)	(None, 1, 14, 100)	10,100	dropout_5[0][0]
conv2d_14 (Conv2D)	(None, 1, 14, 100)	10,100	dropout_13[0][0]
batch_normalization_6 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_6[0][0]
batch_normalization_14 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_14[0][0]
dropout_6 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_6[0][…
dropout_14 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_14[0]…
conv2d_7 (Conv2D)	(None, 1, 14, 100)	10,100	dropout_6[0][0]
conv2d_15 (Conv2D)	(None, 1, 14, 100)	10,100	dropout_14[0][0]
batch_normalization_7 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_7[0][0]
batch_normalization_15 (BatchNormalization)	(None, 1, 14, 100)	400	conv2d_15[0][0]
dropout_7 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_7[0][…
dropout_15 (Dropout)	(None, 1, 14, 100)	0	batch_normalization_15[0]…
flatten (Flatten)	(None, 1400)	0	dropout_7[0][0]
flatten_1 (Flatten)	(None, 1400)	0	dropout_15[0][0]
concatenate (Concatenate)	(None, 2800)	0	flatten[0][0], flatten_1[0][0]
dense (Dense)	(None, 300)	840,300	concatenate[0][0]
batch_normalization_16 (BatchNormalization)	(None, 300)	1,200	dense[0][0]
dropout_16 (Dropout)	(None, 300)	0	batch_normalization_16[0]…
dense_1 (Dense)	(None, 1)	301	dropout_16[0][0]

Total params: 5,827,301 (22.23 MB)
Trainable params: 5,823,501 (22.21 MB)
Non-trainable params: 3,800 (14.84 KB)