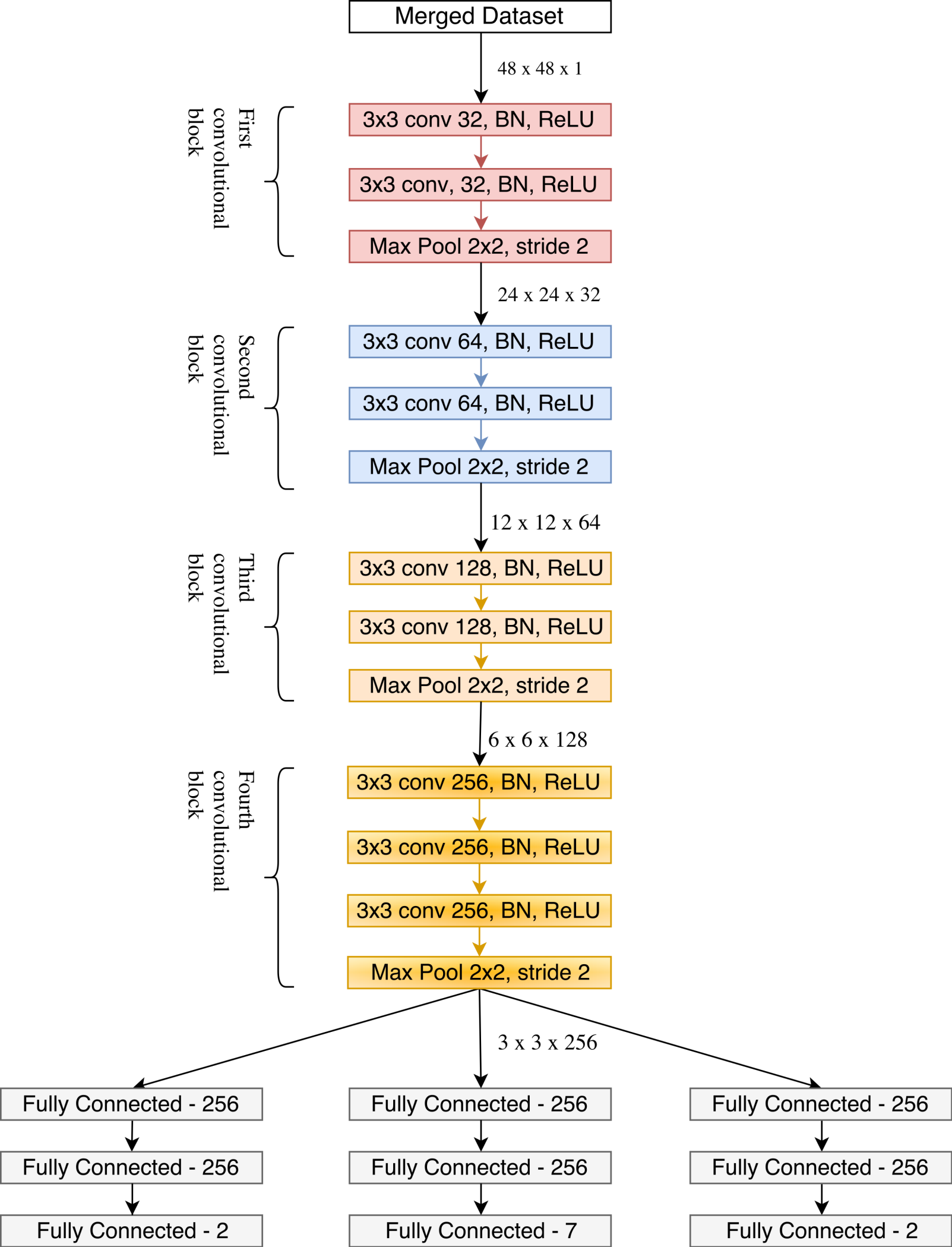
Merged Dataset
48 x 48 x 1
First convolutional block
3x3 conv 32, BN, ReLU
3x3 conv, 32, BN, ReLU
Max Pool 2x2, stride 2
24 x 24 x 32
Second convolutional block
3x3 conv 64, BN, ReLU
3x3 conv 64, BN, ReLU
Max Pool 2x2, stride 2
12 x 12 x 64
Third convolutional block
3x3 conv 128, BN, ReLU
3x3 conv 128, BN, ReLU
Max Pool 2x2, stride 2
6 x 6 x 128
Fourth convolutional block
3x3 conv 256, BN, ReLU
3x3 conv 256, BN, ReLU
3x3 conv 256, BN, ReLU
Max Pool 2x2, stride 2
3 x 3 x 256
Fully Connected - 256
Fully Connected - 256
Fully Connected - 2
Fully Connected - 256
Fully Connected - 256
Fully Connected - 7
Fully Connected - 256
Fully Connected - 256
Fully Connected - 2