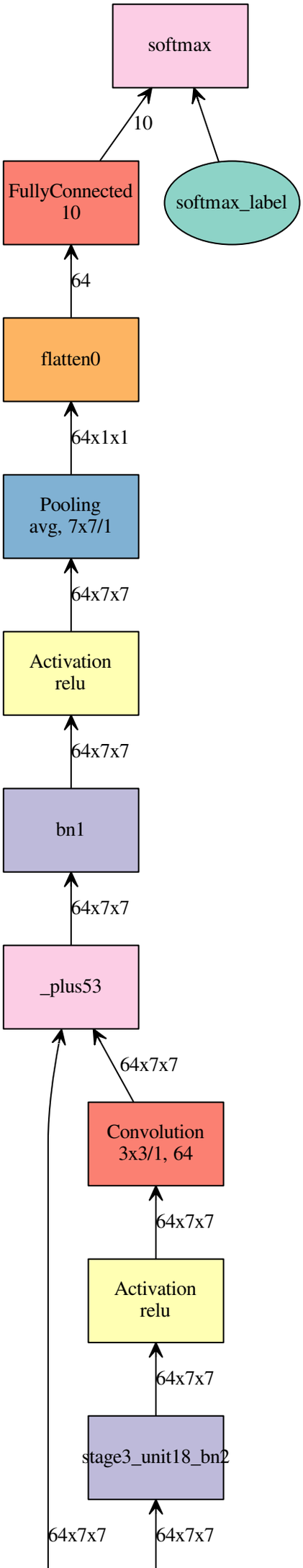
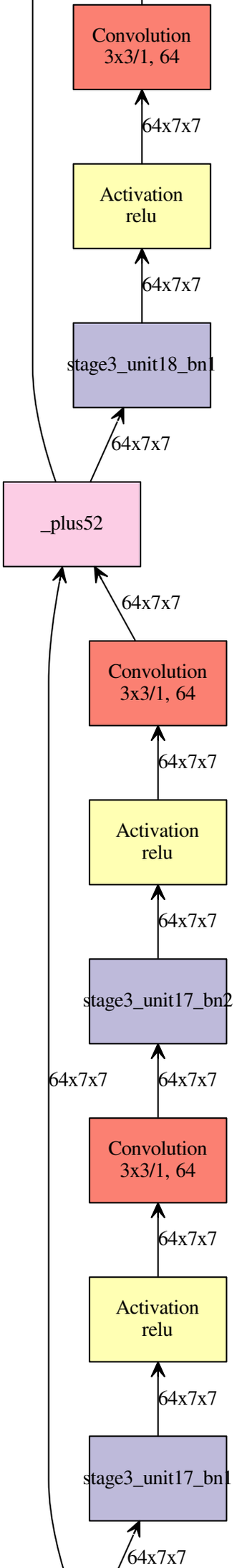
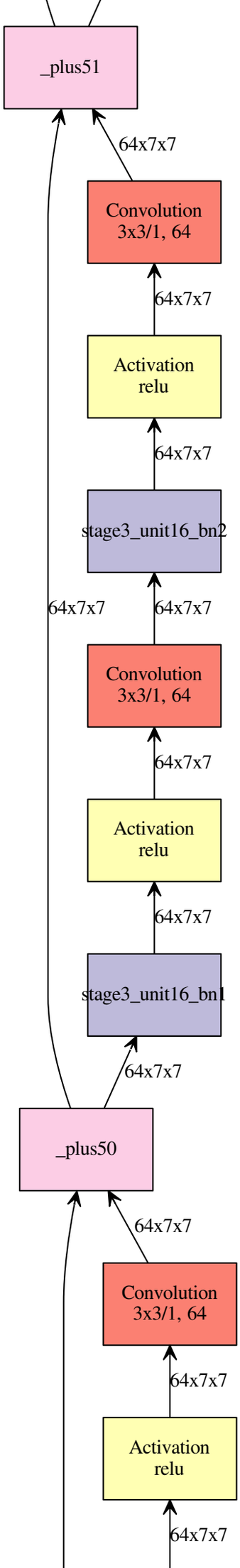
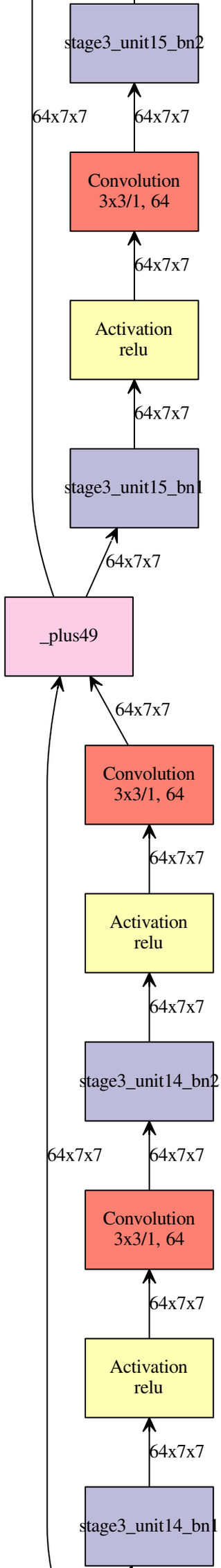
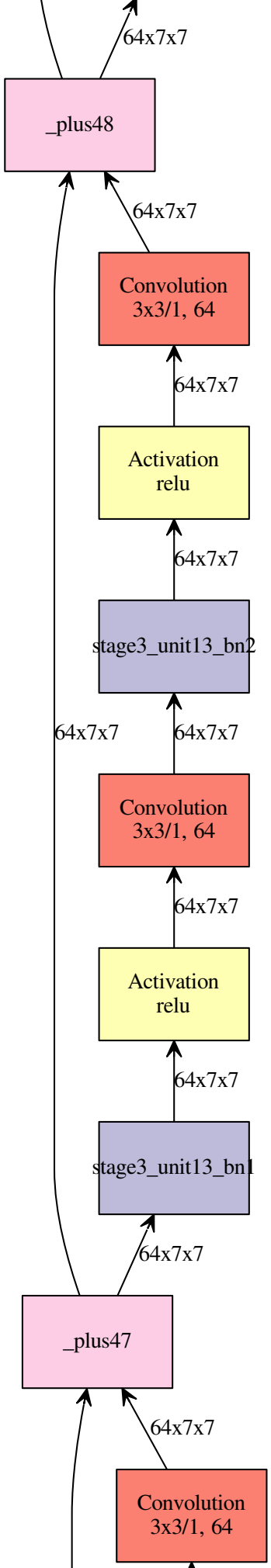
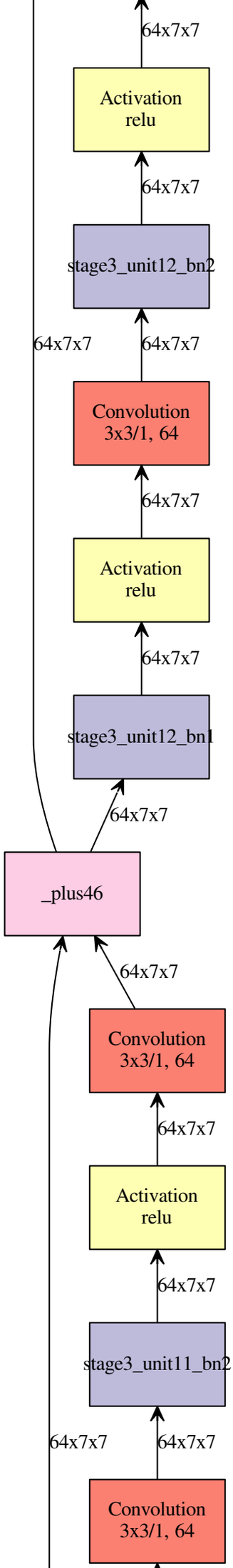

softmax
10
FullyConnected
10
softmax_label
64
flatten0
64x1x1
Pooling
avg, 7x7/1
64x7x7
Activation
relu
64x7x7
bn1
64x7x7
_plus53
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit18_bn2
64x7x7
64x7x7

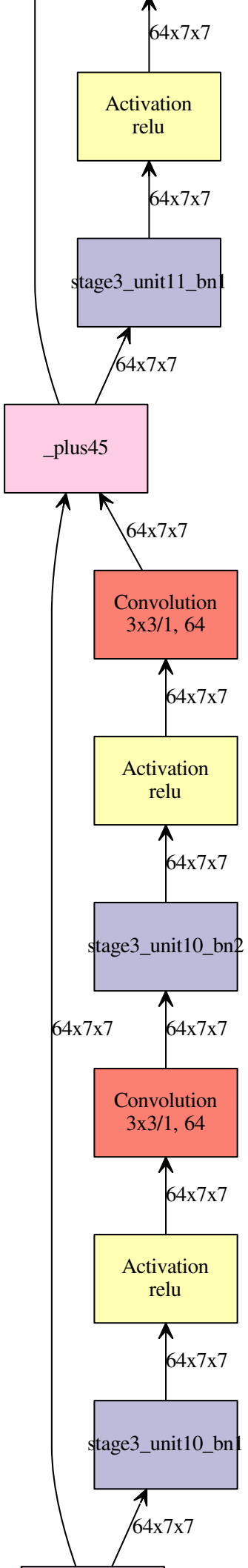

Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit18_bn1
64x7x7
_plus52
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit17_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit17_bn1
64x7x7

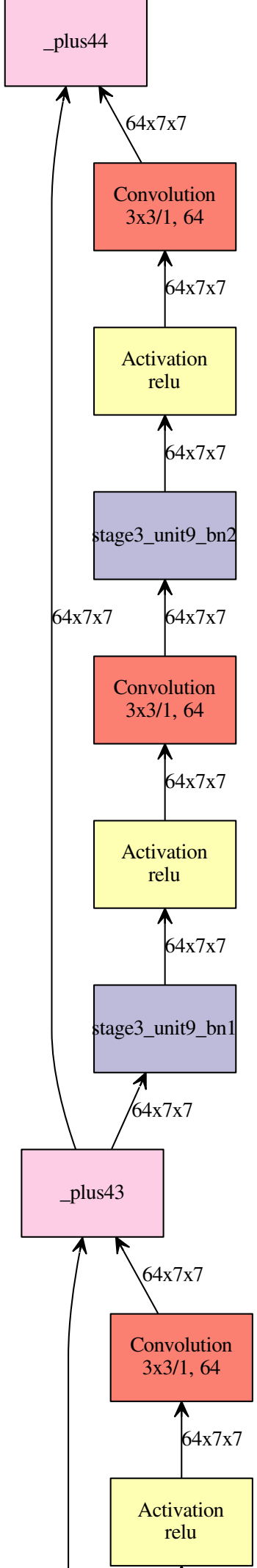

_plus51
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit16_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit16_bn1
64x7x7
_plus50
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7

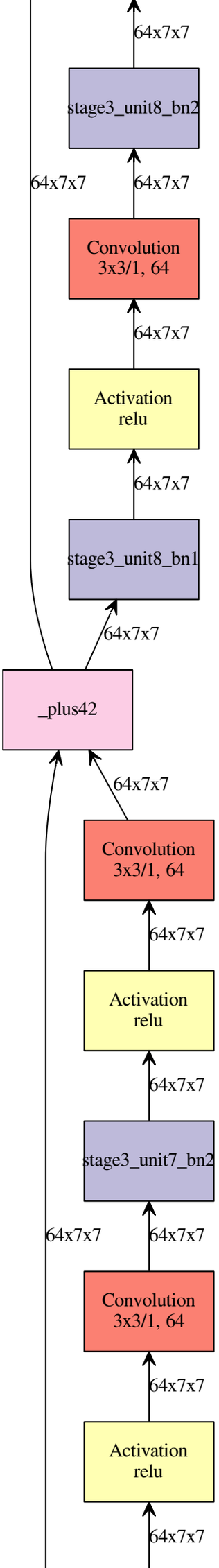

stage3_unit15_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit15_bn1
64x7x7
_plus49
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit14_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit14_bn1

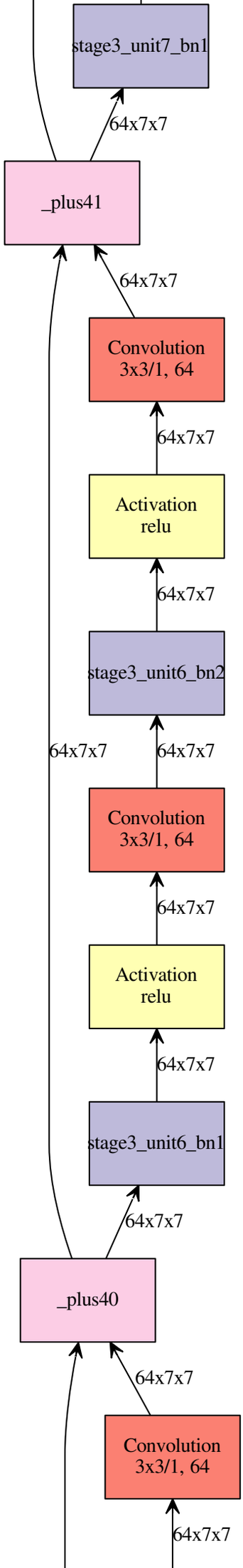

64x7x7
_plus48
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit13_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit13_bn1
64x7x7
_plus47
64x7x7
Convolution
3x3/1, 64

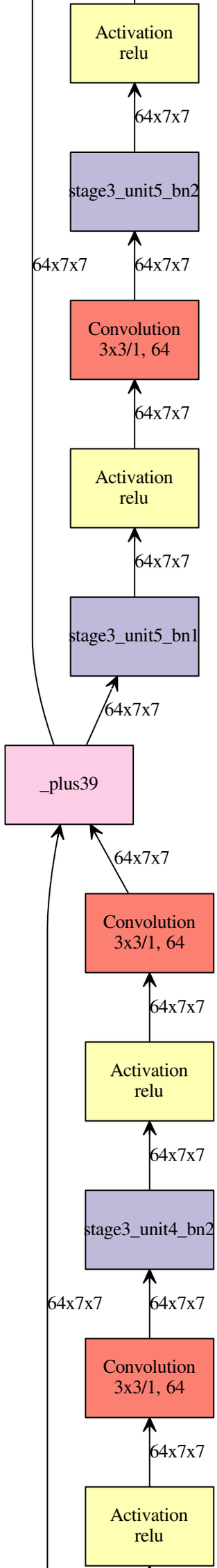

64x7x7
Activation
relu
64x7x7
stage3_unit12_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit12_bn1
64x7x7
_plus46
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit11_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64

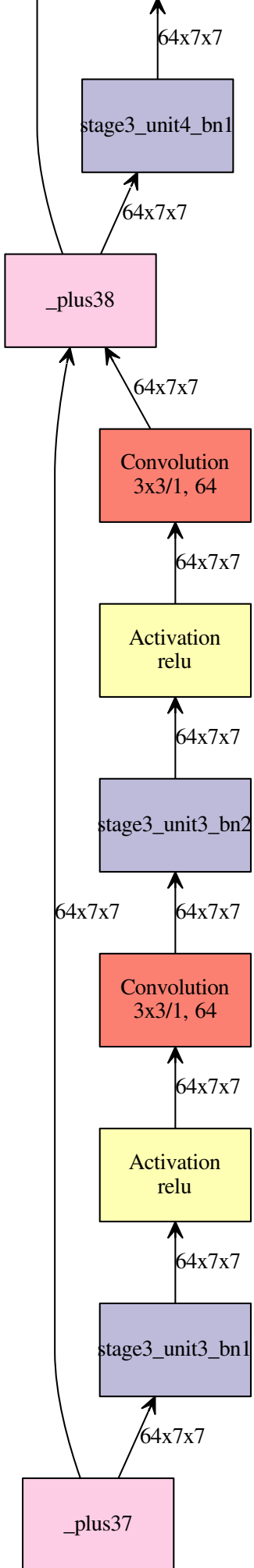

64x7x7
Activation
relu
64x7x7
stage3_unit11_bn1
64x7x7
_plus45
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit10_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit10_bn1
64x7x7

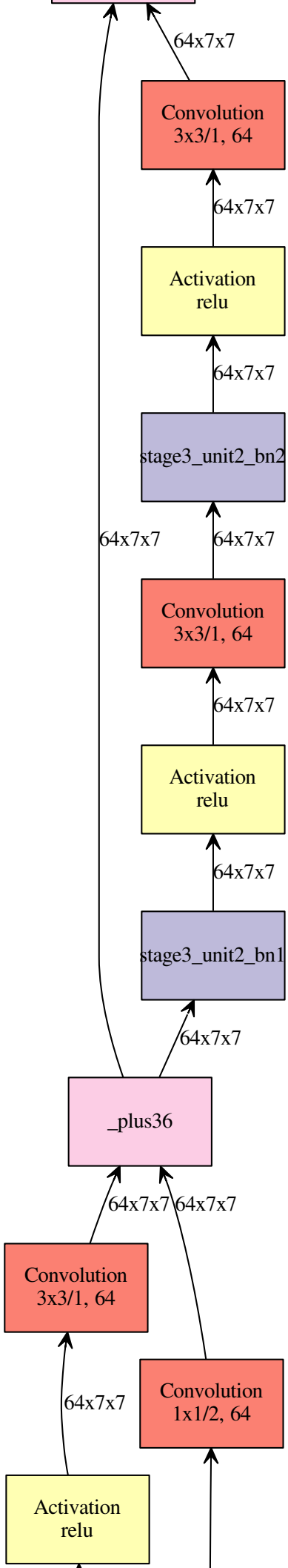

_plus44
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit9_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit9_bn1
64x7x7
_plus43
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu

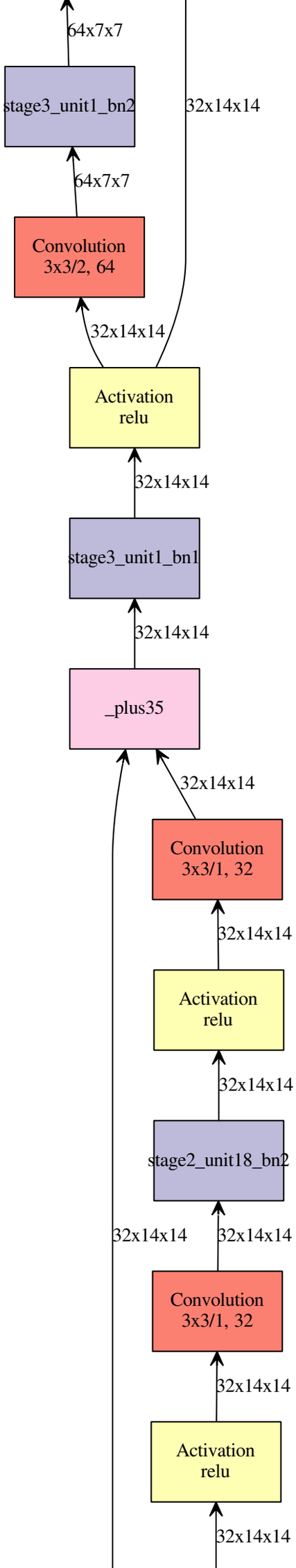

64x7x7
stage3_unit8_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit8_bn1
64x7x7
_plus42
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit7_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7

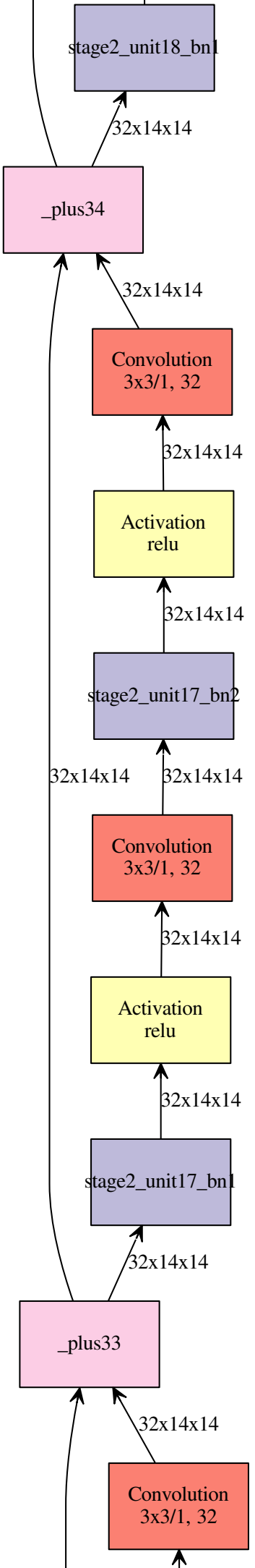

stage3_unit7_bn1
64x7x7
_plus41
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit6_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit6_bn1
64x7x7
_plus40
64x7x7
Convolution
3x3/1, 64
64x7x7

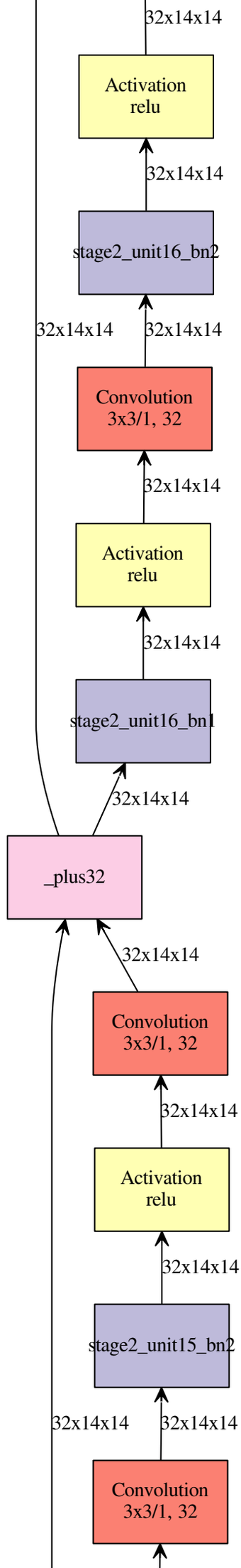

Activation
relu
64x7x7
stage3_unit5_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit5_bn1
64x7x7
_plus39
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit4_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu

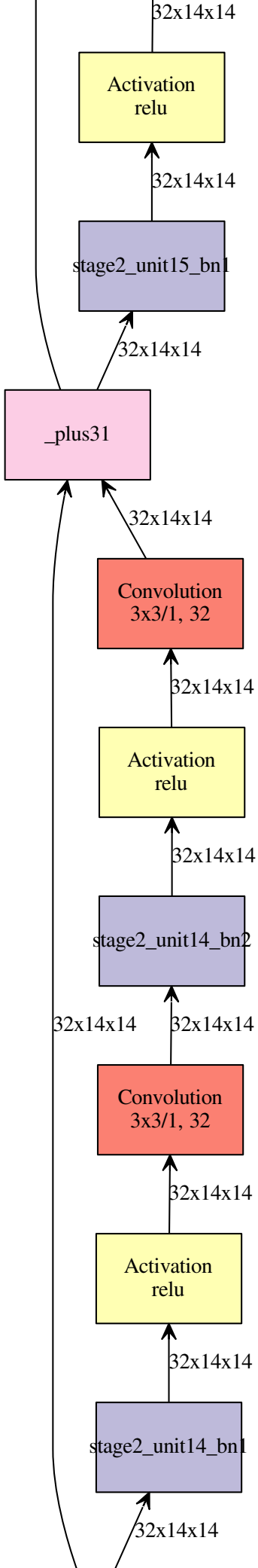

64x7x7
stage3_unit4_bn1
64x7x7
_plus38
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit3_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit3_bn1
64x7x7
_plus37

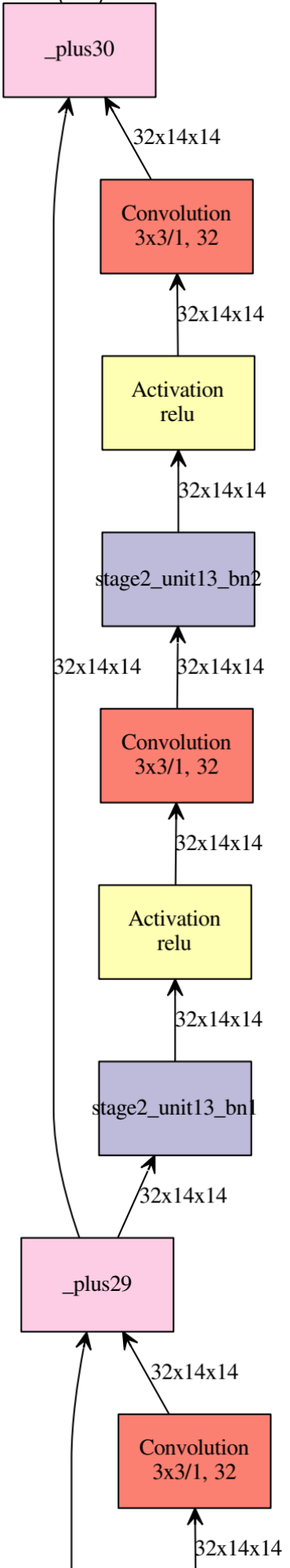

64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit2_bn2
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Activation
relu
64x7x7
stage3_unit2_bn1
64x7x7
_plus36
64x7x7
64x7x7
Convolution
3x3/1, 64
64x7x7
Convolution
1x1/2, 64
Activation
relu

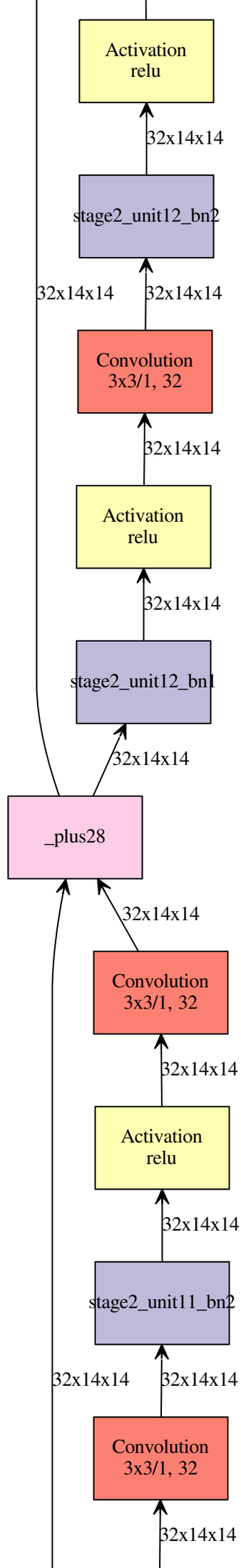

64x7x7
stage3_unit1_bn2
32x14x14
64x7x7
Convolution
3x3/2, 64
32x14x14
Activation
relu
32x14x14
stage3_unit1_bn1
32x14x14
_plus35
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit18_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14

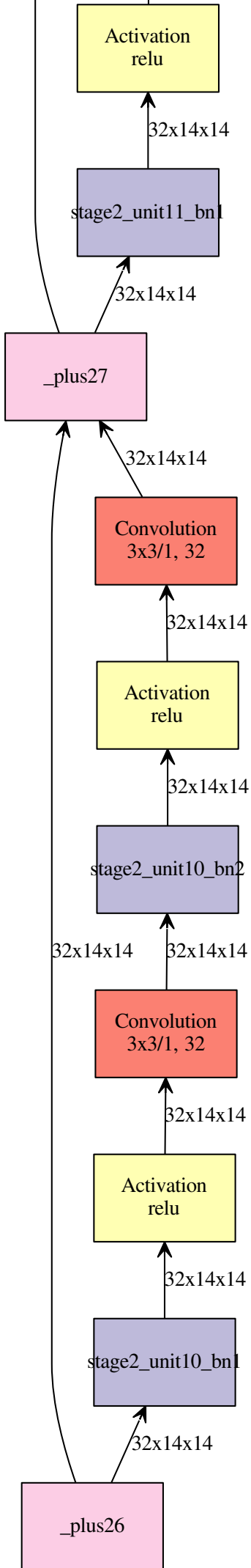

stage2_unit18_bn1
32x14x14
_plus34
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit17_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit17_bn1
32x14x14
_plus33
32x14x14
Convolution
3x3/1, 32

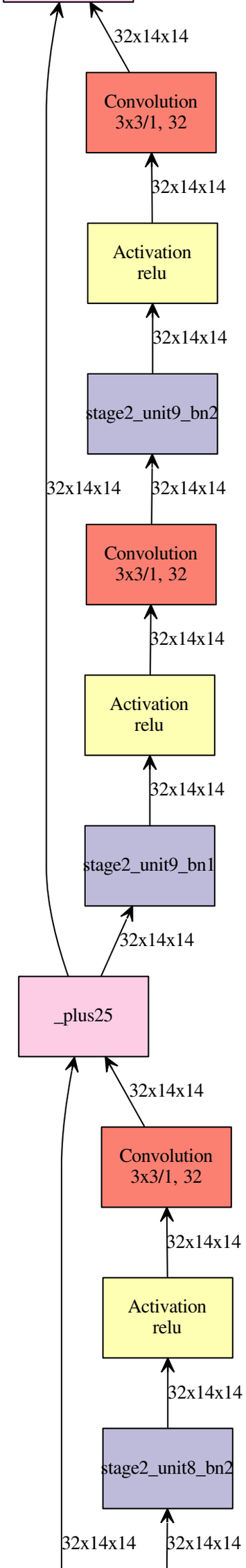

32x14x14
Activation
relu
32x14x14
stage2_unit16_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit16_bn1
32x14x14
_plus32
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit15_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32

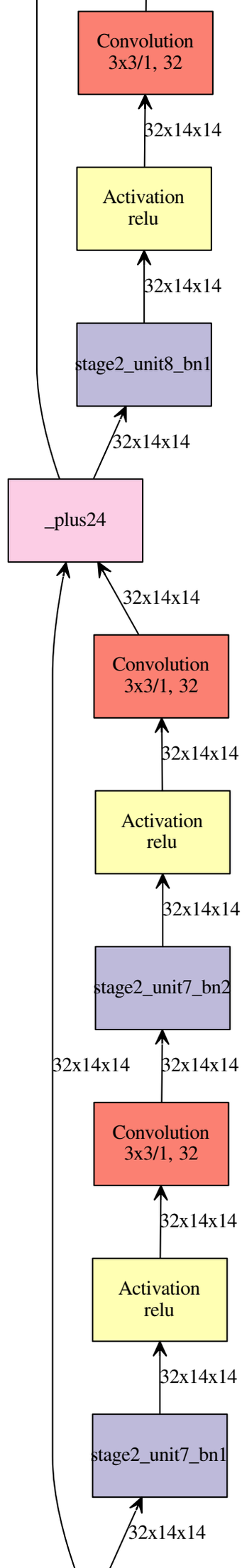

32x14x14
Activation
relu
32x14x14
stage2_unit15_bn1
32x14x14
_plus31
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit14_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit14_bn1
32x14x14

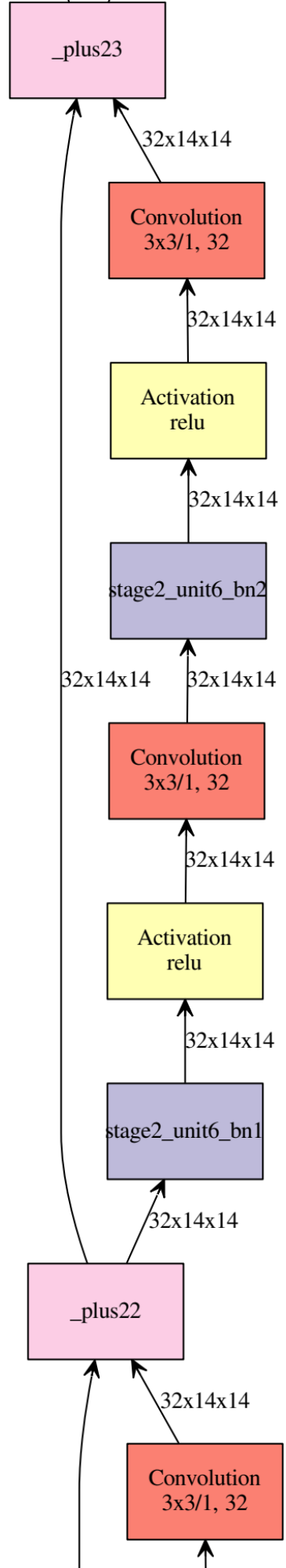

_plus30
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit13_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit13_bn1
32x14x14
_plus29
32x14x14
Convolution
3x3/1, 32
32x14x14

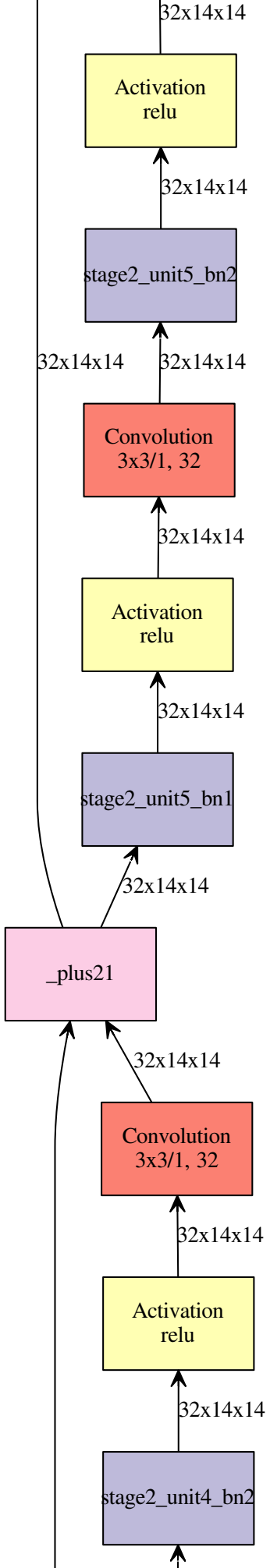

Activation
relu
32x14x14
stage2_unit12_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit12_bn1
32x14x14
_plus28
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit11_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14

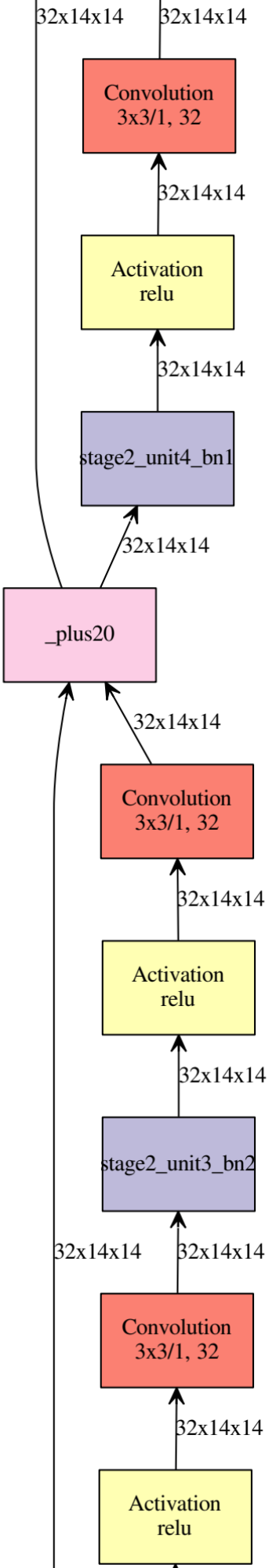

Activation
relu
32x14x14
stage2_unit11_bn1
32x14x14
_plus27
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit10_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit10_bn1
32x14x14
_plus26

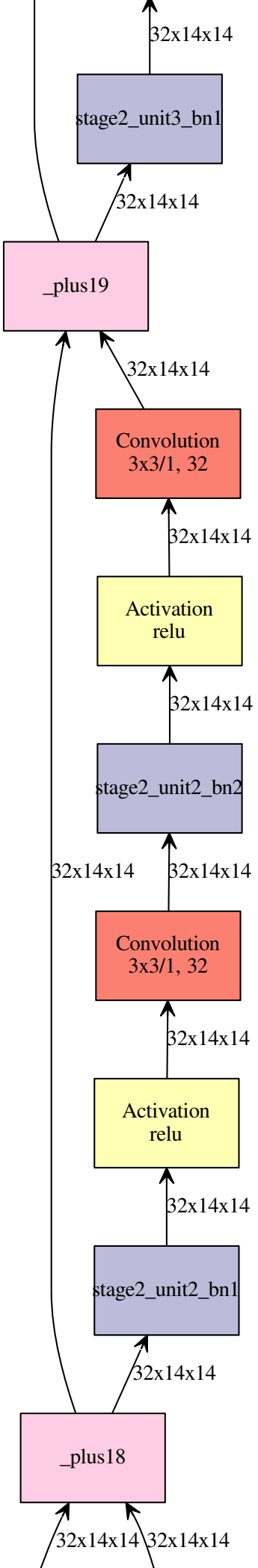

32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit9_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit9_bn1
32x14x14
_plus25
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit8_bn2
32x14x14
32x14x14

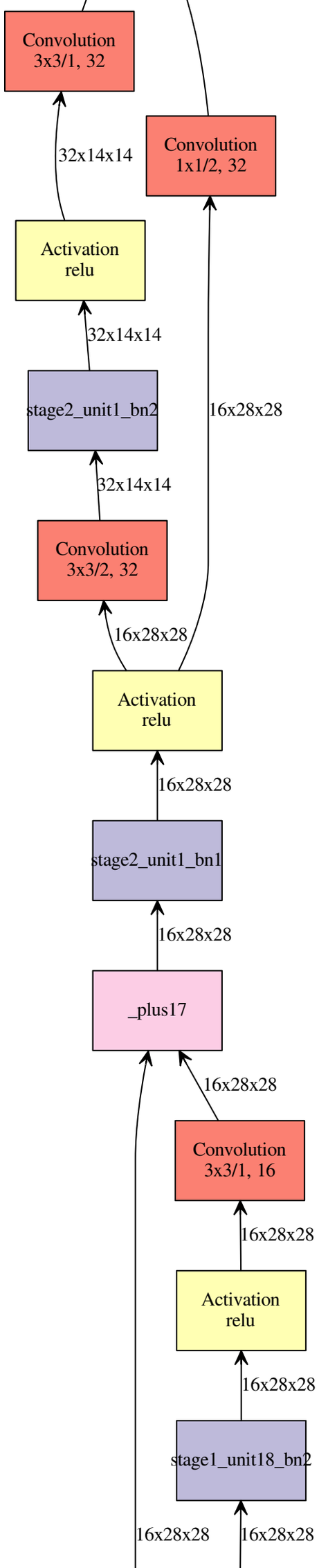

Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit8_bn1
32x14x14
_plus24
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit7_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit7_bn1
32x14x14

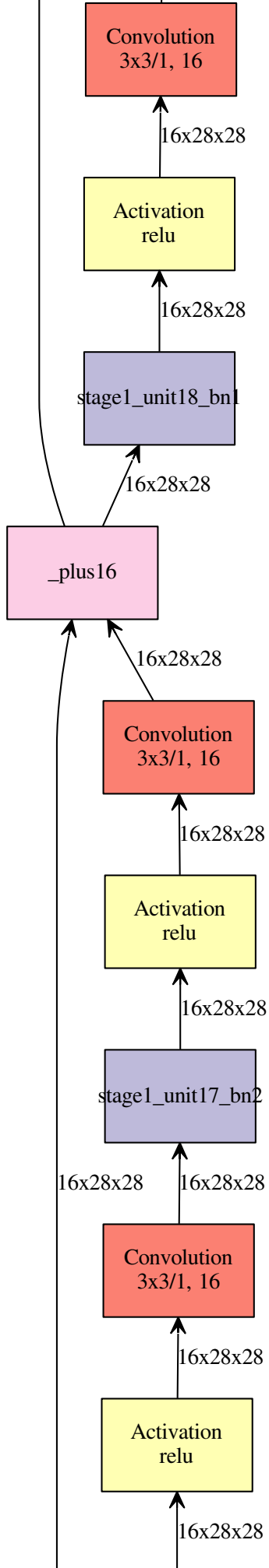

_plus23
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit6_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit6_bn1
32x14x14
_plus22
32x14x14
Convolution
3x3/1, 32

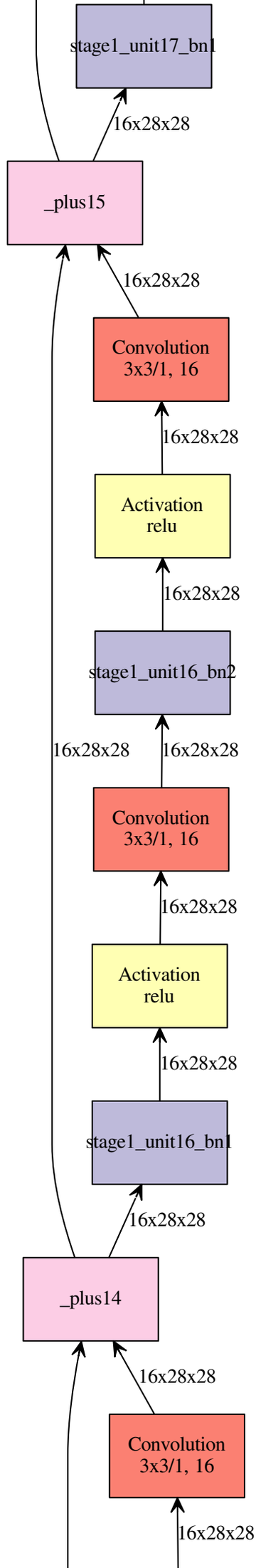

32x14x14
Activation
relu
32x14x14
stage2_unit5_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit5_bn1
32x14x14
_plus21
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit4_bn2

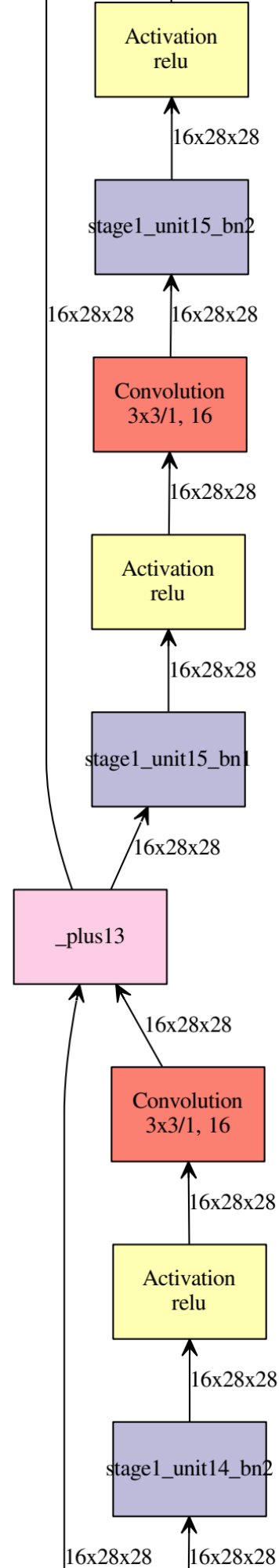

32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit4_bn1
32x14x14
_plus20
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit3_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu

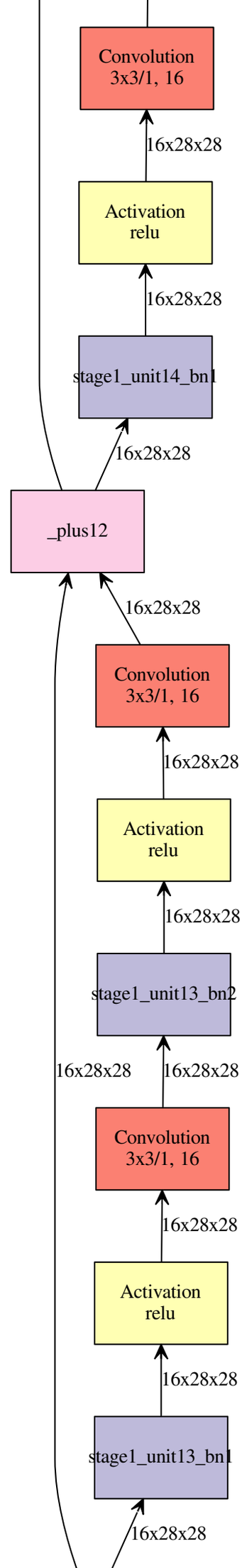

32x14x14
stage2_unit3_bn1
32x14x14
_plus19
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit2_bn2
32x14x14
32x14x14
Convolution
3x3/1, 32
32x14x14
Activation
relu
32x14x14
stage2_unit2_bn1
32x14x14
_plus18
32x14x14
32x14x14

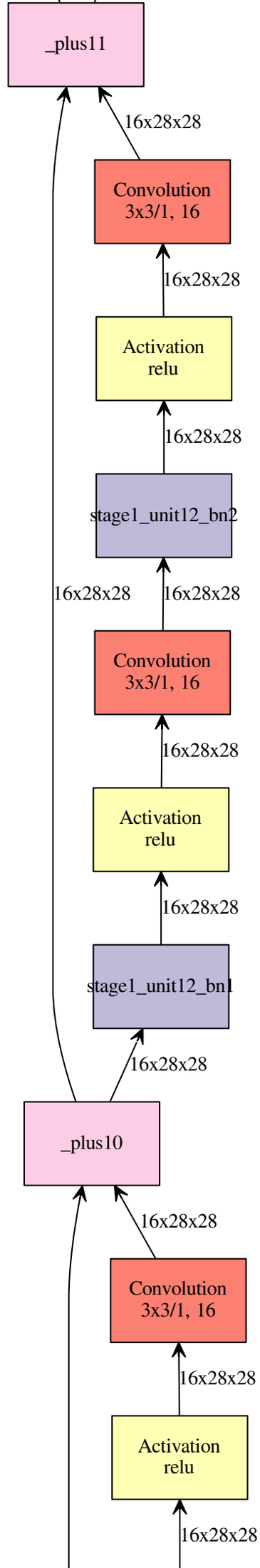

Convolution
3x3/1, 32
32x14x14
Convolution
1x1/2, 32
Activation
relu
32x14x14
stage2_unit1_bn2
16x28x28
32x14x14
Convolution
3x3/2, 32
16x28x28
Activation
relu
16x28x28
stage2_unit1_bn1
16x28x28
_plus17
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit18_bn2
16x28x28
16x28x28

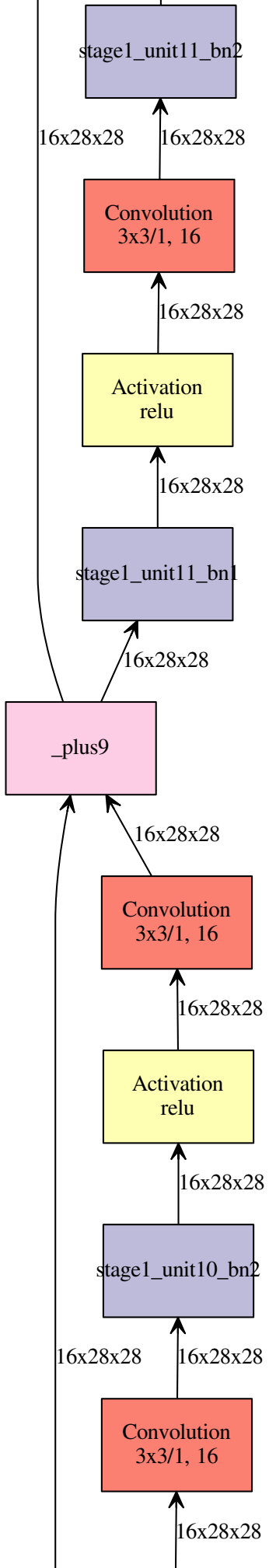

Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit18_bn1
16x28x28
_plus16
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit17_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28

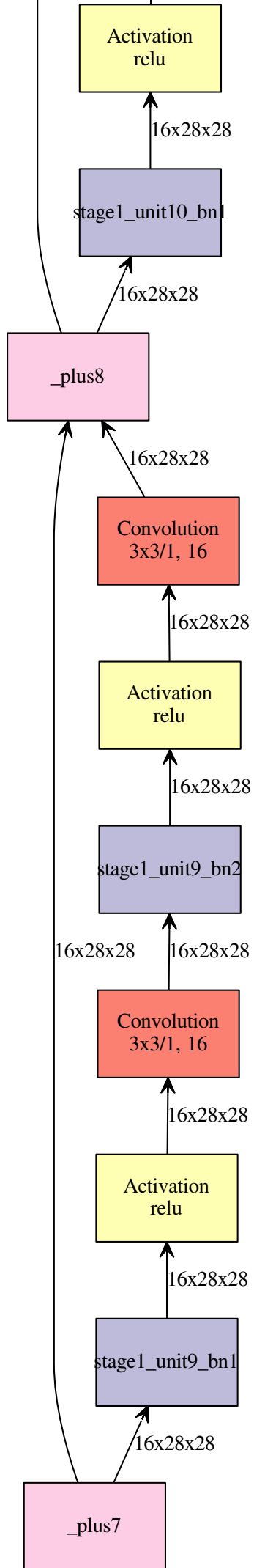

stage1_unit17_bn1
16x28x28
_plus15
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit16_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit16_bn1
16x28x28
_plus14
16x28x28
Convolution
3x3/1, 16
16x28x28

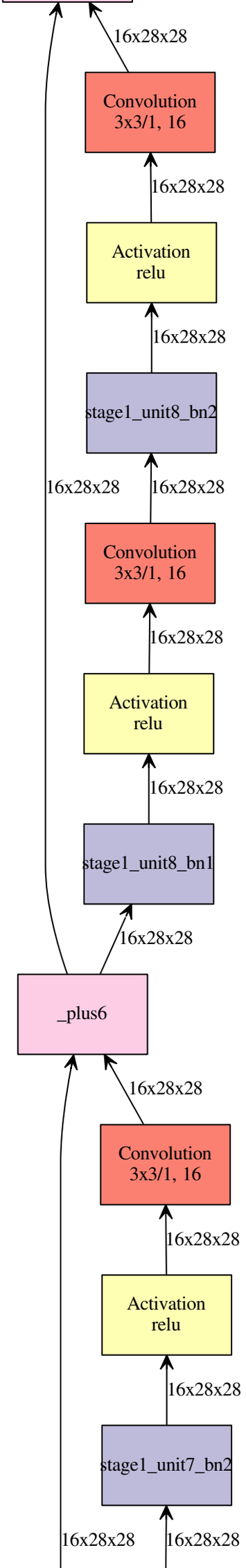

Activation
relu
16x28x28
stage1_unit15_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit15_bn1
16x28x28
_plus13
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit14_bn2
16x28x28
16x28x28

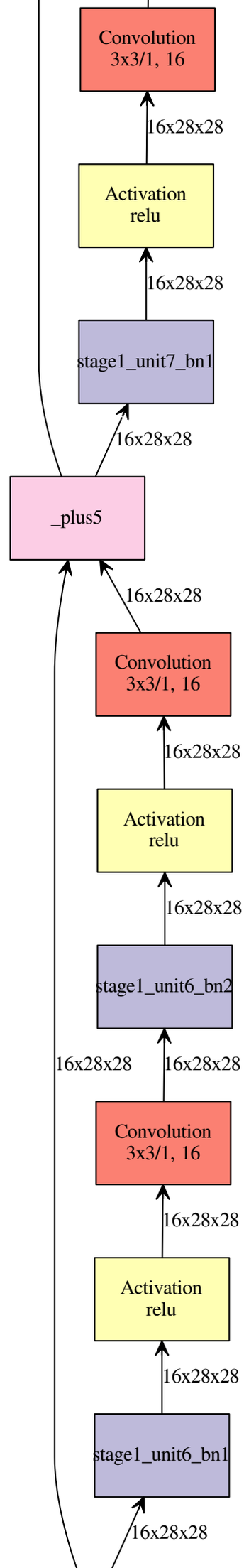

Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit14_bn1
16x28x28
_plus12
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit13_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit13_bn1
16x28x28

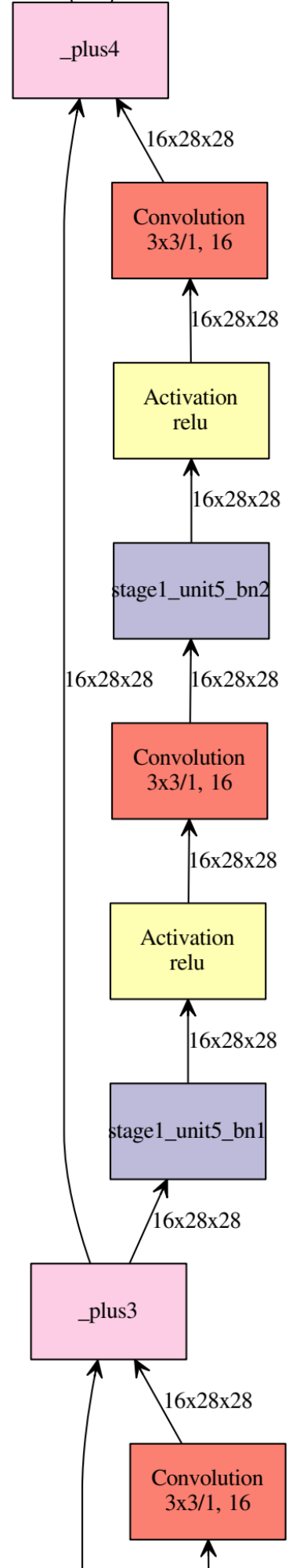

_plus11
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit12_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit12_bn1
16x28x28
_plus10
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28

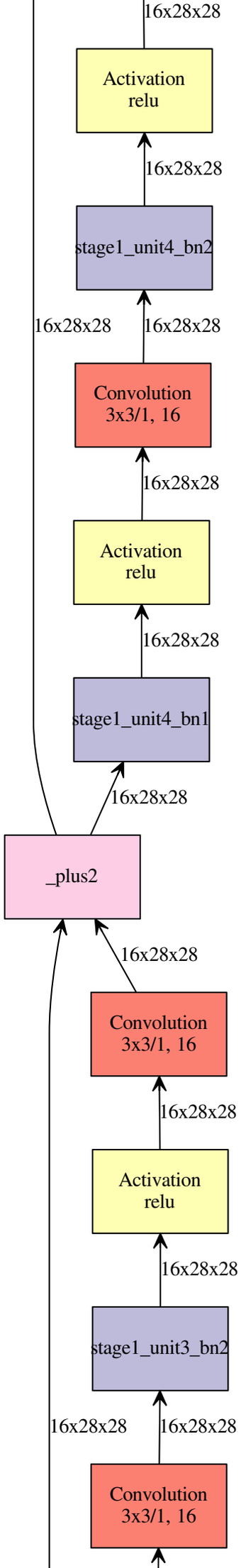

stage1_unit11_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit11_bn1
16x28x28
_plus9
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit10_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28

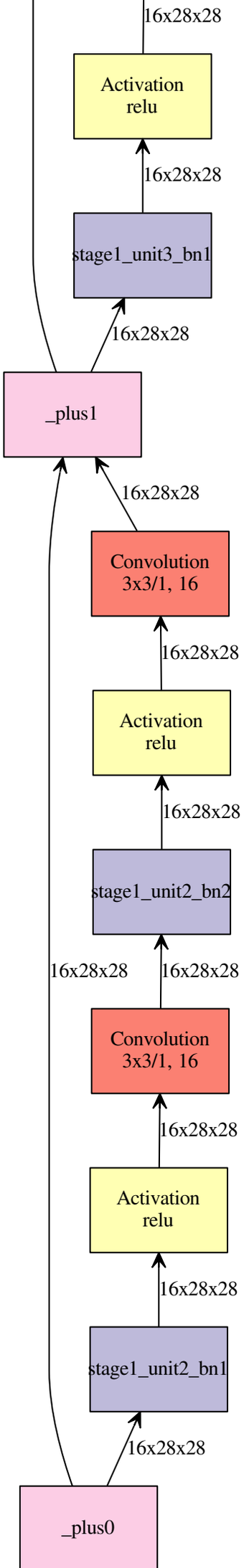

Activation
relu
16x28x28
stage1_unit10_bn1
16x28x28
_plus8
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit9_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit9_bn1
16x28x28
_plus7

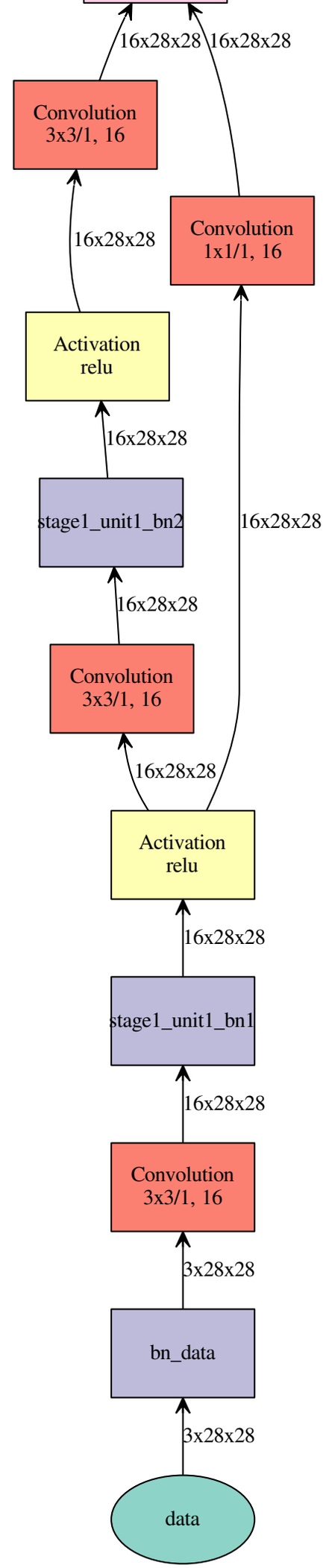

16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit8_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit8_bn1
16x28x28
_plus6
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit7_bn2
16x28x28
16x28x28


Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit7_bn1
16x28x28
_plus5
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit6_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit6_bn1
16x28x28


_plus4
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit5_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit5_bn1
16x28x28
_plus3
16x28x28
Convolution
3x3/1, 16


16x28x28
Activation
relu
16x28x28
stage1_unit4_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit4_bn1
16x28x28
_plus2
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit3_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16


16x28x28
Activation
relu
16x28x28
stage1_unit3_bn1
16x28x28
_plus1
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit2_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit2_bn1
16x28x28
_plus0


16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Convolution
1x1/1, 16
Activation
relu
16x28x28
stage1_unit1_bn2
16x28x28
16x28x28
Convolution
3x3/1, 16
16x28x28
Activation
relu
16x28x28
stage1_unit1_bn1
16x28x28
Convolution
3x3/1, 16
3x28x28
bn_data
3x28x28
data