| Layer Type | Parameters |
| --- | --- |
| Input | 94x24 pixels RGB image |
| Convolution | #64 3x3 stride 1 |
| MaxPooling | #64 3x3 stride 1 |
| Small basic block | #128 3x3 stride 1 |
| MaxPooling | #64 3x3 stride (2, 1) |
| Small basic block | #256 3x3 stride 1 |
| Small basic block | #256 3x3 stride 1 |
| MaxPooling | #64 3x3 stride (2, 1) |
| Dropout | 0.5 ratio |
| Convolution | #256 4x1 stride 1 |
| Dropout | 0.5 ratio |
| Convolution | # class_number 1x13 stride 1 |