

Mapping parameters:

Layer	H/W	R/S	E/F	C	M	U	V	n	e	p	q	r	t
CONV1	227	11	55	3	64	4	0	1	7	16	1	1	2
MAX1	55	3	27	64	1	2	2	1	27	1	1	1	1
CONV2	31	5	27	64	192	1	0	1	27	16	2	1	1
MAX2	27	3	13	192	1	2	1	1	13	1	1	1	1
CONV3	15	3	13	192	384	1	1	1	13	16	4	1	4
CONV4	15	3	13	384	256	1	1	1	13	16	3	2	2
CONV5	15	3	13	256	256	1	0	1	13	16	3	2	2
MAX3	13	3	6	256	1	2	0	1	6	1	1	1	1

H/W: Height and Width for ifmap.

R/S: Height and Width for filter.

E/F: Height and Width for ofmap after normalization.

C: Number of filter's channel.

M: Number of filters.

U: Striding.

V: Padding number.

m: Number of channels stored in the ofmap GLB.

n: Number of ifmaps used in a processing pass.

e: Width of PE set.

p: Number of filters processed by a PE set.

q: Number of channels processed by a PE set.

r: Number of PE sets that process different channels in the PE array.

t: Number of PE sets that process different filters in the PE array.

p x t : Number of filters processed by a PE array.

q x r : Number of channels processed by a PE array.