	Level 1	Level 2	Level 3	Level 4	Level 5a	Level 5b	Decoder	Classes		MACs	Filter Cx
Blocks Channels	1 16	2 24	3 40	4 80	5 160	1 320	1280	100		193770304	1874512
Residual expansion	4	4	4	4	4	4					
Filter Stride	3 1	3 1	3 2	3 2	3 2	3 1					
SE reduction	4	4	4	4	4	4					
SE present	0	0	0	0	0	0					
	Blocks	Out H	Out W	No	Ni	Fr	Fc	s	G	MACs	Filter Cx
Input Level 1 stem		56	56	3							
Conv, BN, ReLU	1	56	56	16	3	3	3	1	1	1354752	432
Level 1 block Conv, BN, ReLU	1	56	56	64	16	1	1	1	1	3211264	1024
Conv, BN, ReLU SE	1	56	56	64	64	3	3	1	64	1806336	576
Global avg pool Linear, bias, ReLU	0	1	1	64 16	64 64						
Linear, bias, sigmoid	0	1	1	64	16						
Conv, BN Level 2 transition	1	56	56	16	64	1	1	1	1	3211264	1024
Conv, BN, ReLU Conv, BN, ReLU	1 1	56 56	56 56	64 64	16 64	1	1	1 1	1 64	3211264 1806336	1024 576
SE Global avg pool	0	1	1	64	64						
Linear, bias, ReLU	0	1	1	16	64						
Linear, bias, sigmoid Conv, BN	0 1	1 56	1 56	64 24	16 64	1	1	1	1	4816896	1536
Level 2 block											
Conv, BN, ReLU Conv, BN, ReLU	1	56 56	56 56	96 96	24 96	1	1	1	1 96	7225344 2709504	2304 864
SE						-	-	-			
Global avg pool Linear, bias, ReLU	0	1	1	96 24	96 96						
Linear, bias, sigmoid	0	1	1	96	24						
Conv, BN Level 3 transition	1	56	56	24	96	1	1	1	1	7225344	2304
Conv, BN, ReLU	1	56	56	96	24	1	1	1	1	7225344	2304
Conv, BN, ReLU	1	28	28	96	96	3	3	2	96	677376	864
SE Global avg pool	0	1	1	96	96						
Linear, bias, ReLU	0	1	1	24	96						
Linear, bias, sigmoid Conv, BN	0 1	1 28	1 28	96 40	24 96	1	1	1	1	3010560	3840
Level 3 block Conv, BN, ReLU		20	20	450						40005000	42000
Conv, BN, ReLU Conv, BN, ReLU SE	2 2	28 28	28 28	160 160	40 160	1	1 3	1	1 160	10035200 2257920	12800 2880
Global avg pool	0	1	1	160	160						
Linear, bias, ReLU Linear, bias, sigmoid	0	1	1	40 160	160 40						
Conv, BN	2	28	28	40	160	1	1	1	1	10035200	12800
Level 4 transition Conv, BN, ReLU	1	28	28	160	40	1	1	1	1	5017600	6400
Conv, BN, ReLU	1	14	14	160	160	3	3	2	160	282240	1440
SE Global avg pool	0	1	1	160	160						
Linear, bias, ReLU	0	1	1	40	160						
Linear, bias, sigmoid Conv, BN	0 1	1 14	1 14	160 80	40 160	1	1	1	1	2508800	12800
Level 4 block											
Conv, BN, ReLU Conv, BN, ReLU	3	14 14	14 14	320 320	80 320	1	1	1	1 320	15052800 1693440	76800 8640
SE						,	,	-	520	1033440	0040
Global avg pool Linear, bias, ReLU	0	1	1	320 80	320 320						
Linear, bias, sigmoid	0	1	1	320	80						
Conv, BN Level 5a transition	3	14	14	80	320	1	1	1	1	15052800	76800
Conv, BN, ReLU Conv, BN, ReLU	1 1	14 7	14 7	320 320	80 320	1 3	1 3	1 2	1 320	5017600 141120	25600 2880
SE Global aug pool	0		1	220	220						
Global avg pool Linear, bias, ReLU	0	1	1	320 80	320 320						
Linear, bias, sigmoid Conv, BN	0 1	1 7	1 7	320 160	80 320	1	1	1	1	2508800	51200
Level 5a block											
Conv, BN, ReLU Conv, BN, ReLU	4	7 7	7 7	640 640	160 640	1	1	1	1 640	20070400 1128960	409600 23040
SE						3	3	1	040	1120900	23040
Global avg pool	0	1	1	640 160	640 640						
Linear, bias, ReLU Linear, bias, sigmoid	0	1	1	640	160						
Conv, BN Level 5b transition	4	7	7	160	640	1	1	1	1	20070400	409600
Conv, BN, ReLU	1	7	7	640	160	1	1	1	1	5017600	102400
Conv, BN, ReLU	1	7	7	640	640	3	3	1	640	282240	5760
Global avg pool Linear, bias, ReLU	0	1	1	640 160	640 640						
Linear, bias, sigmoid	0	1	1	640	160	_				10025205	204000
Conv, BN Level 5b block	1	7	7	320	640	1	1	1	1	10035200	204800
Conv, BN, ReLU Conv, BN, ReLU	0 0	7 7	7 7	1280 1280	320 1280	1	1	1 1	1 1280	0	0
SE Global avg pool	0	1	1	1280	1280						
Linear, bias, ReLU	0	1	1	320	1280						
Linear, bias, sigmoid Conv, BN	0	1 7	1 7	1280 320	320 1280	1	1	1	1	0	0
Decoder											
Conv, BN, ReLU Global avg pool	1	7 1	7 1	1280 1280	320 1280	1	1	1	1	20070400	409600
Linear	1	1	1	100	1280						
Total										193770304	1874512