Discriminator

Layer (type)	Output Shape	Param #	Connected to
input_7 (InputLayer)	(None, 28, 28, 1)	0	
input_6 (InputLayer)	(None, 1)	0	
conv2d_8 (Conv2D)	(None, 28, 28, 64)	640	input_7[0][0]
dense_7 (Dense)	(None, 64)	128	input_6[0][0]
batch_normalization_13 (BatchNo	(None, 28, 28, 64)	256	conv2d_8[0][0]
reshape_6 (Reshape)	(None, 1, 1, 64)	0	dense_7[0][0]
leaky_re_lu_5 (LeakyReLU)	(None, 28, 28, 64)	0	batch_normalization_13[0][0]
up_sampling2d_2 (UpSampling2D)	(None, 28, 28, 64)	0	reshape_6[0][0]
multiply_5 (Multiply)	(None, 28, 28, 64)	0	leaky_re_lu_5[0][0] up_sampling2d_2[0][0]
conv2d_9 (Conv2D)	(None, 28, 28, 64)	36928	multiply_5[0][0]
batch_normalization_14 (BatchNo	(None, 28, 28, 64)	256	conv2d_9[0][0]
leaky_re_lu_6 (LeakyReLU)	(None, 28, 28, 64)	0	batch_normalization_14[0][0]
multiply_6 (Multiply)	(None, 28, 28, 64)	0	leaky_re_lu_6[0][0] up_sampling2d_2[0][0]
conv2d_10 (Conv2D)	(None, 28, 28, 64)	36928	multiply_6[0][0]
batch_normalization_15 (BatchNo	(None, 28, 28, 64)	256	conv2d_10[0][0]
leaky_re_lu_7 (LeakyReLU)	(None, 28, 28, 64)	0	batch_normalization_15[0][0]
multiply_7 (Multiply)	(None, 28, 28, 64)	0	leaky_re_lu_7[0][0] up_sampling2d_2[0][0]
conv2d_11 (Conv2D)	(None, 14, 14, 64)	36928	multiply_7[0][0]
batch_normalization_16 (BatchNo	(None, 14, 14, 64)	256	conv2d_11[0][0]
leaky_re_lu_8 (LeakyReLU)	(None, 14, 14, 64)	0	batch_normalization_16[0][0]
conv2d_12 (Conv2D)	(None, 7, 7, 64)	36928	leaky_re_lu_8[0][0]
batch_normalization_17 (BatchNo	(None, 7, 7, 64)	256	conv2d_12[0][0]
leaky_re_lu_9 (LeakyReLU)	(None, 7, 7, 64)	0	batch_normalization_17[0][0]
flatten_5 (Flatten)	(None, 3136)	0	leaky_re_lu_9[0][0]
dropout_5 (Dropout)	(None, 3136)	0	flatten_5[0][0]
dense_8 (Dense)	(None, 1)	3137	dropout_5[0][0]

Total params: 152,897
Trainable params: 152,257
Non-trainable params: 640