

Electrical connectivity matrix

**Electrical coupling
Dendrodendritic (avg per
neuron) or Axoaxonal (avg
per axon) connections**

	superficial RS pyramidal cell	superficial FRB pyramidal cell	superficial basket cell	superficial axoaxonic cell	superficial LTS interneuron	spiny stellate neuron	layer 5 tufted IB pyramidal cell	layer 5 tufted RS pyramidal cell	nontufted deep RS pyramidal cell	deep basket cell	deep axoaxonic cell	deep LTS interneuron	TCR cell	nRT cell
superficial RS pyramidal cell	A 1.44													
superficial FRB pyramidal cell	A 0.75	A 0.15												
superficial basket cell			D 4.44											
superficial axoaxonic cell														
superficial LTS interneuron					D 4.44									
spiny stellate neuron						A 2								
layer 5 tufted IB pyramidal cell							A 0.875							
layer 5 tufted RS pyramidal cell							A 0.1	A 3.5						
nontufted deep RS pyramidal cell									A 2					
deep basket cell										D 5				
deep axoaxonic cell														
deep LTS interneuron												D 5		
TCR cell*													D ?	
nRT cell														D 5

*--NOTE: "In the model, at this stage, TCR gap junctions were usually closed." p. 2229 paragraph 3