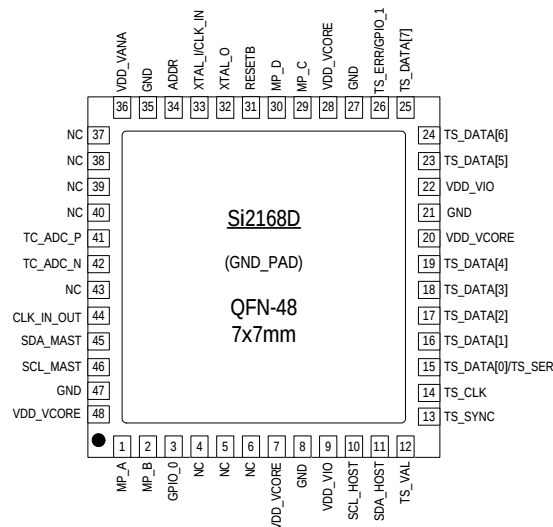


Selected Electrical Specifications

(T_A = -10 to 75 °C)

Parameter	Test Condition	Min	Typ	Max	Unit
General					
Input clock reference		4	—	30	MHz
Supported XTAL frequency		16	—	30	MHz
Total power consumption	DVB-T2 ¹	—	356	—	mW
	DVB-T ²	—	182	—	mW
	DVB-C ³	—	142	—	mW
Thermal resistance	2 layer PCB	—	35	—	°C/W
	4 layer PCB	—	23	—	°C/W
Power Supplies					
V _{DD_VCORE}		1.14	1.20	1.30	V
V _{DD_VANA}		3.00	3.30	3.60	V
V _{DD_VIO}		3.00	3.30	3.60	V
Notes:					
1. Test conditions: 8 MHz, 256-QAM, 32K FFT, CR = 3/5, GI = 1/128, PP7, parallel TS, C/N at picture failure.					
2. Test conditions: 8 MHz, 8K FFT, 64-QAM, parallel TS.					
3. Test conditions: 6.9 Mbaud, 256-QAM, parallel TS.					

Pin Assignments



Selection Guide

Part Number	Description
Si2168-D60-GM	DVB-T2/T/C Digital TV Demodulator, 7x7 mm QFN-48