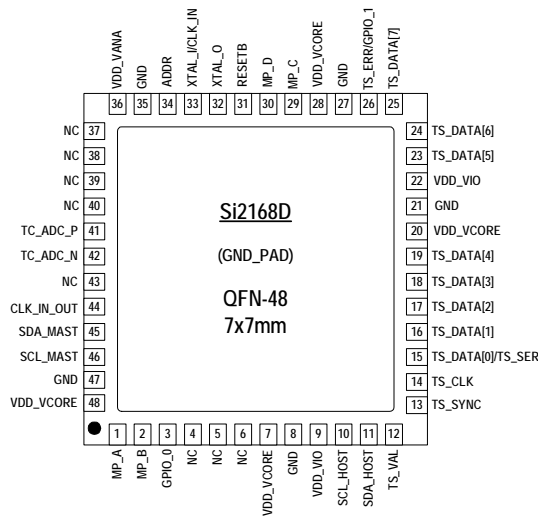


### Selected Electrical Specifications

(T<sub>A</sub> = -10 to 75 °C)

Parameter	Test Condition	Min	Typ	Max	Unit
<b>General</b>					
Input clock reference		4	—	30	MHz
Supported XTAL frequency		16	—	30	MHz
Total power consumption	DVB-T2 <sup>1</sup>	—	356	—	mW
	DVB-T <sup>2</sup>	—	182	—	mW
	DVB-C <sup>3</sup>	—	142	—	mW
Thermal resistance	2 layer PCB	—	35	—	°C/W
	4 layer PCB	—	23	—	°C/W
<b>Power Supplies</b>					
V <sub>DD-VCORE</sub>		1.14	1.20	1.30	V
V <sub>DD-VANA</sub>		3.00	3.30	3.60	V
V <sub>DD-VIO</sub>		3.00	3.30	3.60	V
<b>Notes:</b>					
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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Skyworks:

[SI2157-A30-GM](#) [SI2157-A30-GMR](#) [SI2137-A30-GM](#) [SI2137-A30-GMR](#) [SI2127-A30-GM](#) [SI2127-A30-GMR](#) [SI2147-A30-GM](#) [SI2147-A30-GMR](#)