

Selected Electrical Specifications

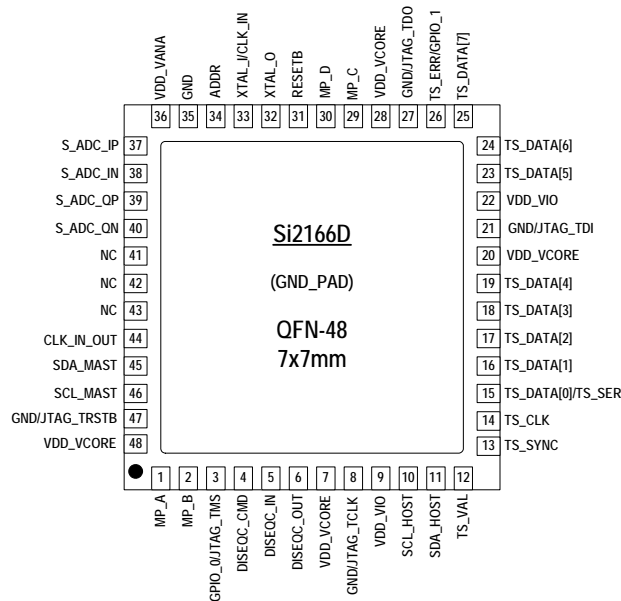
(T_A = -10 to 75 °C)

Parameter	Test Condition	Min	Typ	Max	Unit
General					
Input clock reference		4	—	30	MHz
Supported XTAL frequency		16	—	30	MHz
Total power consumption	DVB-S ² ¹	—	421	—	mW
	DVB-S ²	—	230	—	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: 32 Mbaud, CR = 3/5, 8PSK, pilots On, parallel TS, C/N at picture failure.
2. Test conditions: 30 Mbaud, CR = 7/8, parallel TS, at QEF: BER = 2 x 10⁻⁴.

Pin Assignments



Selection Guide

Part Number	Description
Si2166-D60-GM	DVB-S/S2/S2X Digital TV Demodulator, 7x7 mm QFN-48

Mouser Electronics

Authorized Distributor

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