

Selected Electrical Specifications

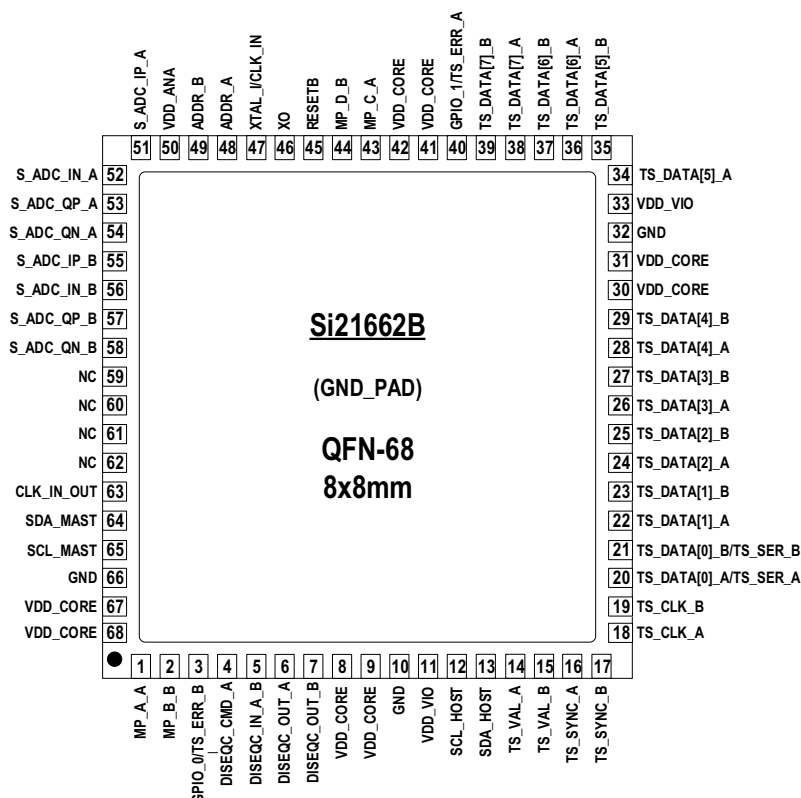
(T_A = -10 to 70 °C).

Parameter	Test Condition	Min	Typ	Max	Unit
General					
Input clock reference		4	—	30	MHz
Supported XTAL frequency		16	—	30	MHz
Total power consumption for each demodulator	DVB-S ¹	—	240	—	mW
	DVB-S2 ²	—	465	—	mW
Thermal resistance (θ _{JA})	4 layer PCB	—	42	—	°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:

- Test conditions: 30 MBaud, CR=7/8, parallel TS (at QEF: BER = 2 · 10⁻⁴).
- Test conditions: 32 MBaud, 3/5 Code Rate, 8PSK, pilots On, parallel TS, C/N at picture failure.

Pin Assignments



Selection Guide

Part #	Description
Si21662-B22-GM/R	Dual Digital TV Demodulator for DVB-S/S2, 8x8 mm QFN-68