

SGM7SZ245

Octal Bus Transceivers with 3-State Outputs

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None

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Octal Bus Transceivers with 3-State Outputs



Datasheet



Sample

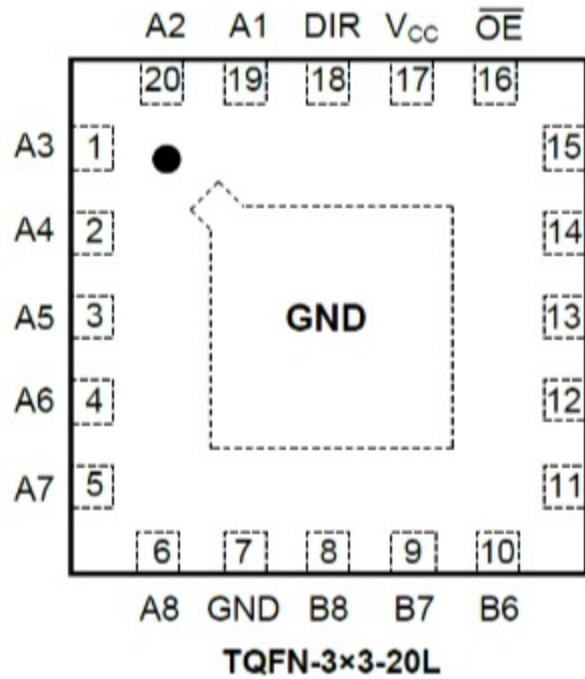
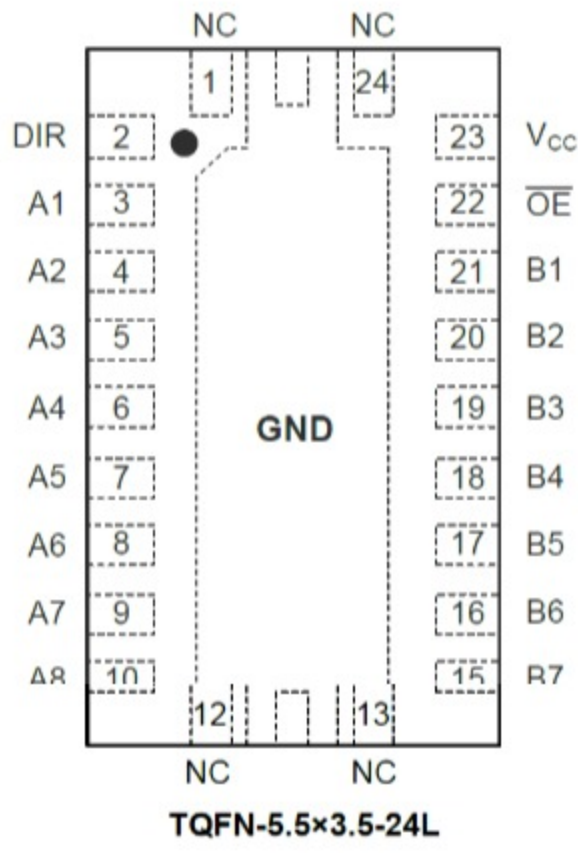
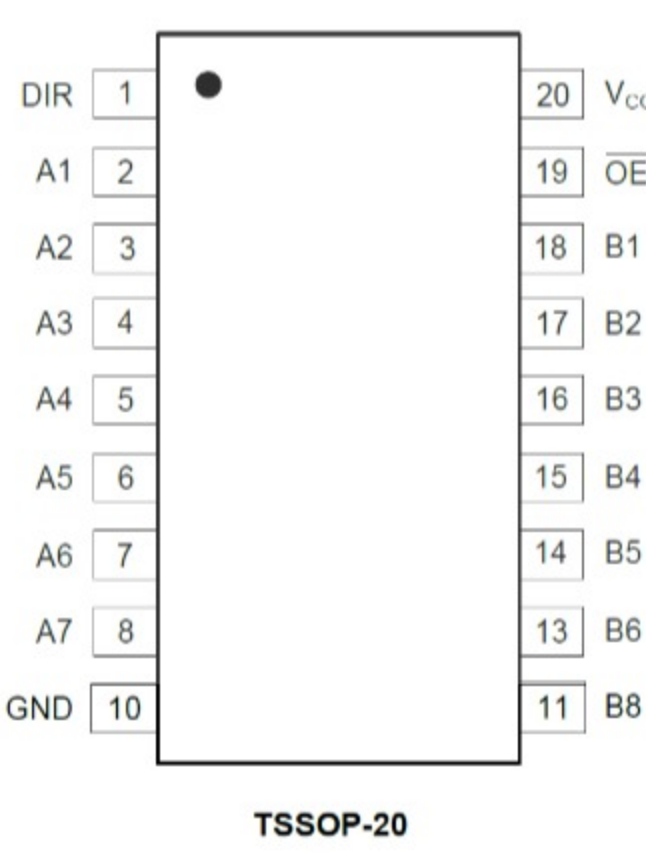
GENERAL DESCRIPTION

The SGM7SZ245 is an octal bus transceiver with 3-state outputs which accepts a wide supply voltage range of 1.8V to 5.0V. The An and Bn are 8-bit data input-output ports, DIR is the direction control input and OE is an output enable input.

When DIR is set high, it allows transmission from An to Bn. When DIR is set low, it allows transmission from Bn to An. OE can be used to make the outputs disabled so that the buses are effectively isolated.

The SGM7SZ245 is available in Green TSSOP-20, TQFN-5.5×3.5-24L and TQFN-3×3-20L packages. It operates over an ambient temperature range of -40°C to +125°C.

PIN CONFIGURATIONS



FEATURES

- Wide Operating Voltage Range: 1.8V to 5.0V
- +20mA/-20mA Output Current at Vcc = 5.0V
- Low Power Consumption, Icc: 10nA (TYP)
- High Current Output Drive Capability: 15 LSTTL Loads
- tPD = 8.9ns (TYP) at Vcc = 5.0V
- Low Input Current: ±10nA (TYP)
- -40°C to +125°C Operating Temperature Range
- Available in Green TSSOP-20, TQFN-5.5×3.5-24L and TQFN-3×3-20L Packages

ORDERING INFORMATION

Part Number	Status	Package	Pins	Pb-Free	Temp Range	
SGM7SZ245XTS20G/TR	Production	TSSOP-20	20	Y	-40°C to +125°C	Samples
SGM7SZ245XTQG20G/TR	Production	TQFN-3×3-20L	20	Y		Samples
SGM7SZ245XTQQ24G/TR	Production	TQFN-5.5×3.5-24L	24	Y	-40°C to +125°C	Samples



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