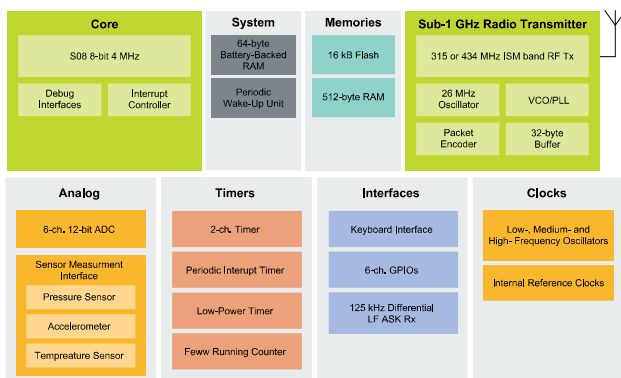


NTM88 SPECIFICATIONS

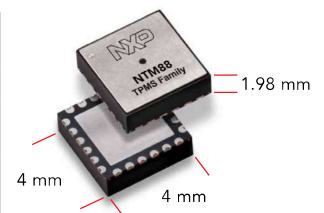
Part number	Pressure Range (kPa)	Pressure Accuracy (-40°C ≤ Ta ≤ 105°C)	Temperature Range (°C)	Temperature Accuracy (-20°C ≤ Ta ≤ 70°C)	Z-axis Accelerometer Range (g)	Z-axis Accelerometer Accuracy (-40°C ≤ Ta ≤ 125°C)	X-axis Accelerometer Range (g)	X-axis Accelerometer Accuracy (-40°C ≤ Ta ≤ +125°C)
Passenger Car and Light Duty Pressure Range with Single X-axis Accelerometer								
NTM88H05T1	90 to 930	±5	-40 to +125	±3	NA		-80 to +90	±3 @ 0g
NTM88H06T1							-360 to +400	
NTM88H07T1							-120 to +520	
Passenger Car and Light Duty Pressure Range with Dual XZ-axis Accelerometer								
NTM88H125T1	90 to 930	±5	-40 to +125	±3	-175 to +550	±3 @ 0g	-400 to +400	±3 @ 0g
NTM88H135T1					-360 to +400		-80 to +90	
NTM88H145T1					-80 to +90		-360 to +400	
NTM88H155T1					-360 to +400		-360 to +400	
Medium Duty Pressure Range with Dual XZ-axis Accelerometer – Under Development, contact sales representative for samples								
NTM88J125T1	90 to 1110	90 to 700kPa: ±5 700 to 1110kPa: ±8	-40 to +125	±3	-175 to +550	±3 @ 0g	-400 to +400	±3 @ 0g
NTM88J135T1					-360 to +400		-80 to +90	
NTM88J145T1					-80 to +90		-360 to +400	
NTM88J155T1					-360 to +400		-360 to +400	

NTM88 TPMS FAMILY BLOCK DIAGRAM



NTM88 ATTRIBUTES

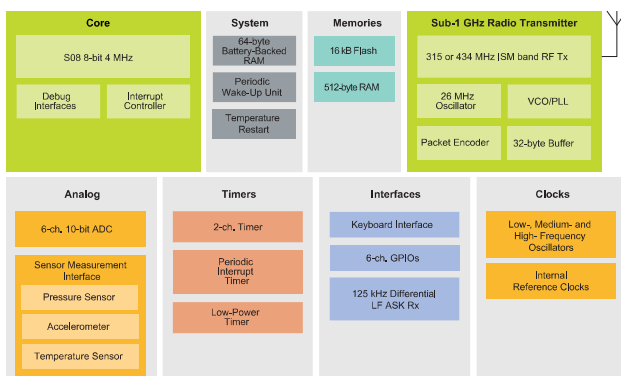
Voltage Measurement Range	1.8 V to 3.6 V
Voltage Resolution (8-bit)	10 mV/LSB
Voltage Accuracy (>2.1 V supply)	± 100 mV
Temperature Measurement Range Run Mode	-40 °C to +125 °C
Temperature Resolution (8-bit unsigned)	1 °C/LSB
Temperature Offset Accuracy (-20 °C ≤ TA ≤ 70 °C)	± 3 °C



FXTH87 SPECIFICATIONS

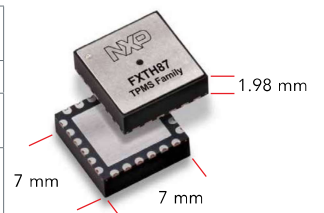
Part number	Pressure Range (kPa)	Pressure Accuracy (-40 °C ≤ Ta ≤ 85 °C)	Temperature Range (°C)	Temperature Accuracy (-20 °C ≤ Ta ≤ 70 °C)	Z-axis Accelerometer Range (g)	Z-axis Accelerometer Accuracy (-40 °C ≤ Ta ≤ 125 °C)	X-axis Accelerometer Range (g)	X-axis Accelerometer Accuracy (-40 °C ≤ Ta ≤ +125 °C)
Standard Tolerances								
FXTH87EH11D1	100-900	± 5 kPa from 100 to 900 kPa	-40 to 125	± 3 °C	-215 to 305	± 5g	-80 to 90	± 4g
Precision Tolerances								
FXTH87EH116T1	100-900	± 5 kPa from 100 to 900 kPa	-40 to 125	± 3 °C	-215 to 305	± 3g	-80 to 90	± 3g
Precision Tolerances								
FXTH8715116T1	100-1500	± 20 kPa from 100 to 1500 kPa	-40 to 125	± 3 °C	-215 to 305	± 3g	-80 to 90	± 3g
FXTH8718116T1	100-1800	± 25 kPa from 100 to 1500 kPa	-40 to 125	± 3 °C	-215 to 305	± 3g	-80 to 90	± 3g
High Precision Tolerances								
FXTH8715117T1	100-1500	± 17 kPa	-40 to 125	± 3 °C	-210 to 300	± 3g	-80 to 90	± 3g

FXTH87 TPMS FAMILY BLOCK DIAGRAM



FXTH87 ATTRIBUTES

Voltage Measurement Range	1.8 V to 3.6 V
Voltage Resolution (8-bit)	10 mV/LSB
Voltage Accuracy (>2.1 V supply)	± 100 mV
Temperature Measurement Range Run Mode	-40 °C to +125 °C
Temperature Resolution (8-bit unsigned)	1 °C/LSB
Temperature Offset Accuracy (-20 °C ≤ TA ≤ 70 °C)	± 3 °C



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Document Number: TPMSFAMSGFS REV 1