



Product Service

CERTIFICATE

No. Z10 084071 0021 Rev. 01

Holder of Certificate: **Texas Instruments Incorporated**

13905 University Blvd.
Sugar Land TX 77479
USA

Certification Mark:



Product:

Safety components

Safety MCUs

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: TS93688C

Valid until: 2030-03-02

Date, 2025-03-03

(Peter Weiß)

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Parameters: Systematic Capability up to ASIL D
 Systematic Capability up to SIL 3
 Hardware Integrity up to ASIL B
 Hardware Integrity up to SIL 2

Tested according to: ISO 26262-2:2018
 ISO 26262-5:2018
 ISO 26262-6:2018
 ISO 26262-7:2018
 ISO 26262-8:2018
 ISO 26262-9:2018
 IEC 61508-2:2010
 IEC 61508-3:2010

Model(s): TMS320F2807x, TMS320F2837xS and TMS320F2837xD

Nomenclature and Identification of TMS320F2807x, TMS320F2837xS and TMS320F2837xD

Name (Industrial)	Package	Safety Integrity Level
TMS320F28075PTPS	PTP (HLQFP, 176)	SIL2
TMS320F28075PTPT	PTP (HLQFP, 176)	
TMS320F28075PZPS	PZP (HTQFP, 100)	
TMS320F28075PZPT	PZP (HTQFP, 100)	
TMS320F28076PTPS	PTP (HLQFP, 176)	
TMS320F28076PZPS	PZP (HTQFP, 100)	
TMS320F28374DPTPS	PTP (HLQFP, 176)	
TMS320F28374DPTPT	PTP (HLQFP, 176)	
TMS320F28374DZWTS	ZWT (NFBGA, 337)	
TMS320F28374DZWTT	ZWT (NFBGA, 337)	
TMS320F28374SPTPS	PTP (HLQFP, 176)	
TMS320F28374SPTPT	PTP (HLQFP, 176)	
TMS320F28374SPZPS	PZP (HTQFP, 100)	
TMS320F28374SPZPT	PZP (HTQFP, 100)	
TMS320F28374SZWTS	ZWT (NFBGA, 337)	
TMS320F28374SZWTT	ZWT (NFBGA, 337)	
TMS320F28374SZWTR	ZWT (NFBGA, 337)	
TMS320F28375DPTPS	PTP (HLQFP, 176)	
TMS320F28375DPTPT	PTP (HLQFP, 176)	
TMS320F28375DPZPS	PZP (HTQFP, 100)	
TMS320F28375DZWTS	ZWT (NFBGA, 337)	
TMS320F28375DZWTT	ZWT (NFBGA, 337)	
TMS320F28375SPTPS	PTP (HLQFP, 176)	
TMS320F28375SPTPT	PTP (HLQFP, 176)	
TMS320F28375SPZPS	PZP (HTQFP, 100)	
TMS320F28375SPZPT	PZP (HTQFP, 100)	
TMS320F28375SZWTS	ZWT (NFBGA, 337)	
TMS320F28375SZWTT	ZWT (NFBGA, 337)	
TMS320F28376DPTPS	PTP (HLQFP, 176)	
TMS320F28376DPTPT	PTP (HLQFP, 176)	
TMS320F28376DZWTS	ZWT (NFBGA, 337)	

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TMS320F28376DZWTT	ZWT (NFBGA, 337)
TMS320F28376SPTPS	PTP (HLQFP, 176)
TMS320F28376SPTPT	PTP (HLQFP, 176)
TMS320F28376SPZPS	PZP (HTQFP, 100)
TMS320F28376SPZPT	PZP (HTQFP, 100)
TMS320F28376SZWTS	ZWT (NFBGA, 337)
TMS320F28376SZWTT	ZWT (NFBGA, 337)
TMS320F28377DPTPS	PTP (HLQFP, 176)
TMS320F28377DPTPT	PTP (HLQFP, 176)
TMS320F28377DZWTS	ZWT (NFBGA, 337)
TMS320F28377DZWTT	ZWT (NFBGA, 337)
TMS320F28377SPTPS	PTP (HLQFP, 176)
TMS320F28377SPTPT	PTP (HLQFP, 176)
TMS320F28377SPZPS	PZP (HTQFP, 100)
TMS320F28377SPZPT	PZP (HTQFP, 100)
TMS320F28377SZWTS	ZWT (NFBGA, 337)
TMS320F28377SZWTT	ZWT (NFBGA, 337)
TMS320F28378DPTPS	PTP (HLQFP, 176)
TMS320F28378SPTPS	PTP (HLQFP, 176)
TMS320F28378SPZPS	PZP (HTQFP, 100)
TMS320F28379DPTPS	PTP (HLQFP, 176)
TMS320F28379DPTPT	PTP (HLQFP, 176)
TMS320F28379DZWTS	ZWT (NFBGA, 337)
TMS320F28379DZWTT	ZWT (NFBGA, 337)
TMS320F28379SPTPS	PTP (HLQFP, 176)
TMS320F28379SPTPT	PTP (HLQFP, 176)
TMS320F28379SPZPS	PZP (HTQFP, 100)
TMS320F28379SPZPT	PZP (HTQFP, 100)
TMS320F28379SZWTS	ZWT (NFBGA, 337)
TMS320F28379SZWTT	ZWT (NFBGA, 337)

Name (Automotive)	Package	Safety Integrity Level
TMS320F28075PTPQ	PTP (HLQFP, 176)	SIL2 and ASILB
TMS320F28075PZPQ	PZP (HTQFP, 100)	
TMS320F28375SPZPQ	PZP (HTQFP, 100)	
TMS320F28375SPZPQR	PZP (HTQFP, 100)	
TMS320F28377DPTPQ	PTP (HLQFP, 176)	
TMS320F28377DZWTQ	ZWT (NFBGA, 337)	
TMS320F28377DZWTQR	ZWT (NFBGA, 337)	
TMS320F28377SPTPQ	PTP (HLQFP, 176)	
TMS320F28377SPZPQ	PZP (HTQFP, 100)	
TMS320F28377SZWTQ	ZWT (NFBGA, 337)	