

Dear Customer,

With this INFINEON Technologies Information Note we would like to inform you about the following

**Early Problem Notification DMA\_TC2xx: Updates on Functional Issues, Application Hints and Documentation related to DMA Module in TC29x..TC21x Microcontrollers**

N° 028/18

## Early Problem Notification DMA\_TC2xx: Updates on Functional Issues, Application Hints and Documentation related to DMA Module in TC29x..TC21x Microcontrollers

► **Products affected:** Please refer to attached 1\_cip02818

► **Detailed Change Information:**

**Subject:** Early Problem Notification DMA\_TC2xx: Updates on Functional Issues, Application Hints and Documentation related to DMA Module in TC29x..TC21x Microcontrollers

**Reason:** Functional Problems, Application Hints, Documentation Updates

<b>Description:</b>	<u>Old</u>	<u>New</u>
	■ Not applicable (no previous release)	■ Early Problem Notification DMA_TC2xx_EPN_v1_0 (first release)

► **Product Identification:** Not applicable (no change of product)

► **Impact of Change:** Not applicable (no change of product)

► **Attachments:**

- Affected product list: 1\_cip02818
- DMA\_TC2xx\_EPN\_v1\_0: 4\_cip02818

► **Intended start of delivery:** Not applicable

If you have any questions, please do not hesitate to contact your local Sales office.

Sales Name	SP number	OPN	Package
SAK-TC212L-8F133F AB	SP001268334	TC212L8F133FABKXUMA1	PG-TQFP-80-7
SAK-TC212L-8F133F AC	SP001658192	TC212L8F133FACKXUMA1	PG-TQFP-80-7
SAK-TC212L-8F133N AC	SP001592690	TC212L8F133NACKXUMA1	PG-TQFP-80-7
SAK-TC212S-8F133F AB	SP001287988	TC212S8F133FABKXUMA1	PG-TQFP-80-7
SAK-TC212S-8F133F AC	SP001658194	TC212S8F133FACKXUMA1	PG-TQFP-80-7
SAK-TC212S-8F133N AC	SP001658200	TC212S8F133NACKXUMA1	PG-TQFP-80-7
SAK-TC212S-8F133N AC	SP002397974	TC212S8F133NACKXQMA1	PG-TQFP-80-7
SAK-TC212S-8F133SC AC	SP001936928	TC212S8F133SCACKXUMA1	PG-TQFP-80-7
SAK-TC213L-8F133F AB	SP001268338	TC213L8F133FABKXUMA1	PG-TQFP-100-23
SAK-TC213L-8F133F AC	SP001658222	TC213L8F133FACKXUMA1	PG-TQFP-100-23
SAK-TC213L-8F133N AC	SP001641922	TC213L8F133NACKXUMA1	PG-TQFP-100-23
SAK-TC213S-8F133F AB	SP001240244	TC213S8F133FABKXUMA1	PG-TQFP-100-23
SAK-TC214L-8F133F AB	SP001268342	TC214L8F133FABKXUMA1	PG-TQFP-144-27
SAK-TC214L-8F133N AC	SP001641930	TC214L8F133NACKXUMA1	PG-TQFP-144-27
SAK-TC214S-8F133F AB	SP001287990	TC214S8F133FABKXUMA1	PG-TQFP-144-27
SAK-TC222L-12F133F AB	SP001335936	TC222L12F133FABKXUMA1	PG-TQFP-80-7
SAK-TC222L-16F133F AB	SP001268336	TC222L16F133FABKXUMA1	PG-TQFP-80-7
SAK-TC222L-16F133F AB	SP001690498	TC222L16F133FABKXQMA1	PG-TQFP-80-7
SAK-TC222L-16F133F AC	SP001658208	TC222L16F133FACKXUMA1	PG-TQFP-80-7
SAK-TC222L-16F133N AC	SP001584424	TC222L16F133NACKXUMA1	PG-TQFP-80-7
SAK-TC222S-12F133F AB	SP001329964	TC222S12F133FABKXUMA1	PG-TQFP-80-7
SAK-TC222S-12F133F AB	SP001641678	TC222S12F133FABKXQMA1	PG-TQFP-80-7
SAK-TC222S-12F133F AC	SP001658210	TC222S12F133FACKXQMA1	PG-TQFP-80-7
SAK-TC222S-12F133F AC	SP001721584	TC222S12F133FACKXUMA1	PG-TQFP-80-7
SAK-TC222S-12F133N AC	SP001644362	TC222S12F133NACKXUMA1	PG-TQFP-80-7
SAK-TC222S-16F133F AB	SP001288596	TC222S16F133FABKXUMA1	PG-TQFP-80-7
SAK-TC222S-16F133F AC	SP001658212	TC222S16F133FACKXUMA1	PG-TQFP-80-7
SAK-TC222S-16F133N AC	SP001644376	TC222S16F133NACKXUMA1	PG-TQFP-80-7
SAK-TC223L-12F133F AB	SP001335944	TC223L12F133FABKXUMA1	PG-TQFP-100-23
SAK-TC223L-12F133F AC	SP001658230	TC223L12F133FACKXUMA1	PG-TQFP-100-23
SAK-TC223L-16F133F AB	SP001268340	TC223L16F133FABKXUMA1	PG-TQFP-100-23
SAK-TC223L-16F133F AC	SP001658232	TC223L16F133FACKXUMA1	PG-TQFP-100-23
SAK-TC223L-16F133N AC	SP001592698	TC223L16F133NACKXUMA1	PG-TQFP-100-23
SAK-TC223S-12F133F AB	SP001335940	TC223S12F133FABKXUMA1	PG-TQFP-100-23
SAK-TC223S-16F133F AB	SP001288594	TC223S16F133FABKXUMA1	PG-TQFP-100-23
SAK-TC223S-16F133F AC	SP001658234	TC223S16F133FACKXUMA1	PG-TQFP-100-23
SAK-TC224L-16F133F AB	SP001268344	TC224L16F133FABKXUMA1	PG-TQFP-144-27
SAK-TC224L-16F133N AC	SP001641938	TC224L16F133NACKXUMA1	PG-TQFP-144-27
SAK-TC233L-32F200F AB	SP001268346	TC233L32F200FABKXUMA1	PG-TQFP-100-23
SAK-TC233L-32F200F AC	SP001674224	TC233L32F200FACKXUMA1	PG-TQFP-100-23
SAK-TC233L-32F200F AC	SP001700652	TC233L32F200FACKXQMA1	PG-TQFP-100-23
SAK-TC233L-32F200N AC	SP001408138	TC233L32F200NACKXUMA1	PG-TQFP-100-23
SAK-TC233L-32F200N AC	SP001778310	TC233L32F200NACKXQMA1	PG-TQFP-100-23
SAK-TC233LC-24F133F AB	SP001270740	TC233LC24F133FABKXUMA1	PG-TQFP-100-23
SAK-TC233LC-24F133F AC	SP001584028	TC233LC24F133FACKXUMA1	PG-TQFP-100-23
SAK-TC233LP-16F200F AB	SP001270730	TC233LP16F200FABKXUMA1	PG-TQFP-100-23
SAK-TC233LP-16F200F AC	SP001682994	TC233LP16F200FACKXUMA1	PG-TQFP-100-23
SAK-TC233LP-16F200N AC	SP001627900	TC233LP16F200NACKXUMA1	PG-TQFP-100-23
SAK-TC233LP-32F200F AB	SP001268348	TC233LP32F200FABKXUMA1	PG-TQFP-100-23

SAK-TC233LP-32F200F AC	SP001399222	TC233LP32F200FACKXUMA1	PG-TQFP-100-23
SAK-TC233LP-32F200F AC	SP001692512	TC233LP32F200FACKXQMA1	PG-TQFP-100-23
SAK-TC233LP-32F200N AC	SP001397720	TC233LP32F200NACKXUMA1	PG-TQFP-100-23
SAK-TC233LP-32F200N AC	SP001641894	TC233LP32F200NACKXQMA1	PG-TQFP-100-23
SAK-TC233S-32F200N AC	SP001658270	TC233S32F200NACKXUMA1	PG-TQFP-100-23
SAK-TC233S-32F200N AC	SP001720744	TC233S32F200NACKXQMA1	PG-TQFP-100-23
SAK-TC233SP-32F200N AC	SP001689232	TC233SP32F200NACKXUMA1	PG-TQFP-100-23
SAK-TC233SP-32F200N AC	SP001708334	TC233SP32F200NACKXQMA1	PG-TQFP-100-23
SAK-TC234L-24F200F AC	SP001658274	TC234L24F200FACKXUMA1	PG-TQFP-144-27
SAK-TC234L-24F200N AC	SP001624402	TC234L24F200NACKXUMA1	PG-TQFP-144-27
SAK-TC234L-32F200F AB	SP001268350	TC234L32F200FABKXUMA1	PG-TQFP-144-27
SAK-TC234L-32F200F AC	SP001658280	TC234L32F200FACKXUMA1	PG-TQFP-144-27
SAK-TC234L-32F200N AC	SP001408144	TC234L32F200NACKXUMA1	PG-TQFP-144-27
SAK-TC234LA-32F200F AB	SP001276932	TC234LA32F200FABKXUMA1	PG-TQFP-144-27
SAK-TC234LC-24F133F AC	SP001584026	TC234LC24F133FACKXUMA1	PG-TQFP-144-27
SAK-TC234LF-32F200F AB	SP001271404		PG-TQFP-144-27
SAK-TC234LP-16F200F AB	SP001270728	TC234LP16F200FABKXUMA1	PG-TQFP-144-27
SAK-TC234LP-16F200F AC	SP001658272	TC234LP16F200FACKXUMA1	PG-TQFP-144-27
SAK-TC234LP-24F200F AC	SP001658278	TC234LP24F200FACKXUMA1	PG-TQFP-144-27
SAK-TC234LP-32F200F AB	SP001268352	TC234LP32F200FABKXUMA1	PG-TQFP-144-27
SAK-TC234LP-32F200F AC	SP001399224	TC234LP32F200FACKXUMA1	PG-TQFP-144-27
SAK-TC234LP-32F200N AC	SP001397714	TC234LP32F200NACKXUMA1	PG-TQFP-144-27
SAK-TC234LP-32F200N AC	SP001642890	TC234LP32F200NACKXQMA1	PG-TQFP-144-27
SAK-TC234LX-32F200F AB	SP001350934	TC234LX32F200FABKXUMA1	PG-TQFP-144-27
SAK-TC234LX-32F200F AB	SP001689442	TC234LX32F200FABKXQMA1	PG-TQFP-144-27
SAK-TC237L-32F200S AB	SP001268354	TC237L32F200SABKXUMA1	PG-LFBGA-292-6
SAK-TC237L-32F200S AC	SP001658282	TC237L32F200SACKXUMA1	PG-LFBGA-292-6
SAK-TC237LP-32F200N AC	SP001397698	TC237LP32F200NACKXUMA1	PG-LFBGA-292-6
SAK-TC237LP-32F200S AB	SP001268356	TC237LP32F200SABKXUMA1	PG-LFBGA-292-6
SAK-TC237LP-32F200S AC	SP001399220	TC237LP32F200SACKXUMA1	PG-LFBGA-292-6
SAK-TC264D-40F200N BC	SP001676268	TC264D40F200NBCKXUMA2	PG-LQFP-144-22
SAK-TC264D-40F200W BB	SP001257822	TC264D40F200WBBKXUMA1	PG-LQFP-144-22
SAK-TC264D-40F200W BC	SP001399214	TC264D40F200WBCKXUMA1	PG-LQFP-144-22
SAK-TC264DA-40F200N BC	SP001676270	TC264DA40F200NBCKXUMA2	PG-LQFP-144-22
SAK-TC264DA-40F200W BB	SP001257824	TC264DA40F200WBBKXUMA1	PG-LQFP-144-22
SAK-TC264DA-40F200W BC	SP001399218	TC264DA40F200WBCKXUMA1	PG-LQFP-144-22
SAK-TC264DC-40F200W BB	SP001399740	TC264DC40F200WBBKXUMA1	PG-LQFP-144-22
SAK-TC264DC-40F200W BC	SP001611462	TC264DC40F200WBCKXUMA1	PG-LQFP-144-22
SAK-TC265D-40F200N BC	SP001397662	TC265D40F200NBCKXUMA1	PG-LQFP-176-22
SAK-TC265D-40F200W BB	SP001257830	TC265D40F200WBBKXUMA1	PG-LQFP-176-22
SAK-TC265D-40F200W BC	SP001399216	TC265D40F200WBCKXUMA1	PG-LQFP-176-22
SAK-TC265DC-40F200W BB	SP001363114	TC265DC40F200WBBKXUMA1	PG-LQFP-176-22
SAK-TC265DC-40F200W BC	SP001611464	TC265DC40F200WBCKXUMA1	PG-LQFP-176-22
SAK-TC267D-40F200N BC	SP001592934	TC267D40F200NBCKXUMA1	PG-LFBGA-292-6
SAK-TC267D-40F200S BB	SP001270092	TC267D40F200SBBKXUMA1	PG-LFBGA-292-6
SAK-TC267D-40F200S BC	SP001662612	TC267D40F200SBCKXUMA1	PG-LFBGA-292-6
SAK-TC275T-64F200N DC	SP001651570	TC275T64F200NDCKXUMA1	PG-LQFP-176-22
SAK-TC275T-64F200W CA	SP001106358	TC275T64F200WCAKXUMA1	PG-LQFP-176-22
SAK-TC275T-64F200W DB	SP001217592	TC275T64F200WDBKXUMA1	PG-LQFP-176-22
SAK-TC275T-64F200W DC	SP001662592	TC275T64F200WDCKXUMA1	PG-LQFP-176-22
SAK-TC275TC-64F200N DC	SP001667658	TC275TC64F200NDCKXUMA1	PG-LQFP-176-22
SAK-TC275TC-64F200W CA	SP001217626	TC275TC64F200WCAKXUMA1	PG-LQFP-176-22
SAK-TC275TC-64F200W DB	SP001217602	TC275TC64F200WDBKXUMA1	PG-LQFP-176-22
SAK-TC275TC-64F200W DC	SP001611466		PG-LQFP-176-22
SAK-TC275TF-64F200Q DB	SP001217580		PG-TQFP-216-2

SAK-TC275TF-64F200W DB	SP001217582		PG-LQFP-176-18
SAK-TC275TP-64F200N DC	SP001397622	TC275TP64F200NDCKXUMA1	PG-LQFP-176-22
SAK-TC275TP-64F200N DC	SP001630432	TC275TP64F200NDCKXQMA1	PG-LQFP-176-22
SAK-TC275TP-64F200W CA	SP001105592	TC275TP64F200WCAKXUMA1	PG-LQFP-176-18
SAK-TC275TP-64F200W CA	SP001105592	TC275TP64F200WCAKXUMA1	PG-LQFP-176-22
SAK-TC275TP-64F200W CA	SP001332056	TC275TP64F200WCAKXQMA1	PG-LQFP-176-22
SAK-TC275TP-64F200W DB	SP001217586	TC275TP64F200WDBKXUMA1	PG-LQFP-176-22
SAK-TC275TP-64F200W DC	SP001366138	TC275TP64F200WDCKXUMA1	PG-LQFP-176-22
SAK-TC277T-64F200N DC	SP001665660	TC277T64F200NDCKXUMA1	PG-LFBGA-292-6
SAK-TC277T-64F200S CA	SP001146094	TC277T64F200SCAKXUMA1	PG-LFBGA-292-6
SAK-TC277T-64F200S DB	SP001217632	TC277T64F200SDBKXUMA1	PG-LFBGA-292-6
SAK-TC277T-64F200S DC	SP001662590	TC277T64F200SDCKXUMA1	PG-LFBGA-292-6
SAK-TC277TC-64F200N DC	SP001667664	TC277TC64F200NDCKXUMA1	PG-LFBGA-292-6
SAK-TC277TC-64F200S CA	SP001217636	TC277TC64F200SCAKXUMA1	PG-LFBGA-292-6
SAK-TC277TC-64F200S DB	SP001217638	TC277TC64F200SDBKXUMA1	PG-LFBGA-292-6
SAK-TC277TC-64F200S DC	SP001611468	TC277TC64F200SDCKXUMA1	PG-LFBGA-292-6
SAK-TC277TF-64F200S DB	SP001241308		PG-LFBGA-292-6
SAK-TC277TP-64F200N DC	SP001397616	TC277TP64F200NDCKXUMA1	PG-LFBGA-292-10
SAK-TC277TP-64F200N DC	SP001397616	TC277TP64F200NDCKXUMA1	PG-LFBGA-292-6
SAK-TC277TP-64F200S BC	SP001103396	TC277TP64F200SBCKXUMA1	PG-LFBGA-292-6
SAK-TC277TP-64F200S CA	SP001146098	TC277TP64F200SCAKXUMA1	PG-LFBGA-292-6
SAK-TC277TP-64F200S DB	SP001217634	TC277TP64F200SDBKXUMA1	PG-LFBGA-292-6
SAK-TC277TP-64F200S DC	SP001366136	TC277TP64F200SDCKXUMA1	PG-LFBGA-292-6
SAK-TC297T-128F300S BB	SP001265596	TC297T128F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297T-96F300N BC	SP001684616	TC297T96F300NBCKXUMA1	PG-LFBGA-292-6
SAK-TC297T-96F300S BB	SP001265616	TC297T96F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297TA-128F300N BC	SP001397668	TC297TA128F300NBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TA-128F300S BB	SP001130460	TC297TA128F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297TA-128F300S BC	SP001662208	TC297TA128F300SBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TA-64F300S BB	SP001265584	TC297TA64F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297TA-64F300S BC	SP001662210	TC297TA64F300SBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TC-96F300S BB	SP001265598	TC297TC96F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297TC-96F300S BC	SP001611504	TC297TC96F300SBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TP-128F300N BC	SP001396392	TC297TP128F300NBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TP-128F300S BB	SP001207656	TC297TP128F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297TP-128F300S BC	SP001366094	TC297TP128F300SBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TP-96F300N BC	SP001662190	TC297TP96F300NBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TP-96F300S BB	SP001001102	TC297TP96F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297TT-128F300N BC	SP001789674	TC297TT128F300NBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TX-128F300N BC	SP001397674	TC297TX128F300NBCKXUMA1	PG-LFBGA-292-6
SAK-TC297TX-128F300S BB	SP001265592	TC297TX128F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC297TY-128F300S BB	SP001265594	TC297TY128F300SBBKXUMA1	PG-LFBGA-292-6
SAK-TC299TC-96F300S BB	SP001265604	TC299TC96F300SBBKXUMA1	PG-LFBGA-516-5
SAK-TC299TC-96F300S BC	SP001611508	TC299TC96F300SBCKXUMA1	PG-LFBGA-516-5
SAK-TC299TP-128F300N BC	SP001604770	TC299TP128F300NBCKXUMA1	PG-LFBGA-516-5
SAK-TC299TP-128F300S BB	SP001207664	TC299TP128F300SBBKXUMA1	PG-LFBGA-516-5
SAK-TC299TP-128F300S BC	SP001366090	TC299TP128F300SBCKXUMA1	PG-LFBGA-516-5
SAK-TC299TX-128F300N BC	SP001397678	TC299TX128F300NBCKXUMA1	PG-LFBGA-516-5
SAK-TC299TX-128F300S BB	SP001265588	TC299TX128F300SBBKXUMA1	PG-LFBGA-516-5
SAK-TC299TX-128F300S BC	SP001662198	TC299TX128F300SBCKXUMA1	PG-LFBGA-516-5
SAL-TC212L-8F133N AC	SP001658206	TC212L8F133NACLXUMA1	PG-TQFP-80-7
SAL-TC213L-8F133N AC	SP001658228	TC213L8F133NACLXUMA1	PG-TQFP-100-23
SAL-TC222L-16F133N AC	SP001658220	TC222L16F133NACLXUMA1	PG-TQFP-80-7
SAL-TC223L-16F133F AB	SP001281284	TC223L16F133FABLXUMA1	PG-TQFP-100-23
SAL-TC223L-16F133N AC	SP001658240	TC223L16F133NACLXUMA1	PG-TQFP-100-23



