

PCN Number:	20200128003	PCN Date:	Jan. 31, 2020
Title:	Datasheet for AMC1306E05, AMC1306E25, AMC1306M05, AMC1306M25		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

Notification Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



AMC1306E05, AMC1306E25, AMC1306M05, AMC1306M25

SBAS734C – MARCH 2017 – REVISED JANUARY 2020

Changes from Revision B (June 2018) to Revision C

Page

• Changed <i>Safety-related certifications</i> bullet in <i>Features</i> section: changed <i>VDE certification</i> revision from <i>DIN V VDE V 0884-10 (VDE V 0884-11)</i> to <i>DIN VDE V 0884-11</i> and changed <i>IEC 60950-1, and IEC 60065</i> to <i>IEC 62368-1</i>	1
• Changed <i>DIN V VDE V</i> to <i>DIN VDE V</i> in <i>Description</i> section.....	1
• Changed CLR and CPG values from ≥ 9 mm to ≥ 8.5 mm in <i>Insulation Specifications</i> table	6
• Changed <i>Insulation Specifications</i> table header row from <i>DIN V VDE V 0884-11 (VDE V 0884-11): 2017-01</i> to <i>DIN VDE V 0884-11: 2017-01</i>	6
• Changed VDE certification details in <i>Safety-Related Certifications</i> table.....	7
• Changed <i>Safety Limiting Values</i> table format as per current standard.....	7
• Changed <i>free air</i> to <i>ambient</i> in condition statement of <i>Switching Characteristics</i> table	12
• Changed 6.05 dB to 6.02 dB in <i>Equation 3</i>	27
• Changed input common-mode voltage from 2 V to 1.9 V for consistency with <i>Input Bias Current vs Common-Mode Input Voltage</i> figure in <i>What To Do and What Not To Do</i> section.....	32
• Changed <i>VINx</i> to <i>AINx</i> in <i>Layout Guidelines</i> section	34
• Changed <i>Recommended Layout of the AMC1306x</i> figure to include connection to the shunt resistor and input filter components	34

The datasheet number will be changing.

Device Family	Change From:	Change To:
AMC1306E05, AMC1306E25, AMC1306M05, AMC1306M25	SBAS734B	SBAS734C

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/AMC1306E05>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this PCN:

None.

Product Affected:

AMC1306E05DWV	AMC1306E05DWVR	AMC1306E25DWV	AMC1306E25DWVR
AMC1306M05DWV	AMC1306M05DWVR	AMC1306M25DWV	AMC1306M25DWVR

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN_ww_admin_team@list.ti.com

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.