


<b>PCN Overview</b>			
			
PCN Number	DHCOR-iMX6ULL-001		
PCN Date	23.01.2020		
Type of Change	Change Software		
<b>History</b>			
Revision	Date	Description	Name
R01	23.01.2020	First draft	CN
R01	18.02.2020	Released	AG

<b>Change Information</b>	
Reason of Change	It is very likely that activating CONFIG_IMX_THERMAL in the DHCOM/DHCOR i.MX6ULL BSP Kernel 4.19.25 will lead often to a crash at Linux Kernel start. This is caused by the IMX_THERMAL driver in the bootloader.
Description of Changes	This behavior is fixed in the bootloader commit: <a href="https://github.com/dh-electronics/u-boot-imx6qdl/commit/a0a6080359d767094ea29840f56516f9c982c328">https://github.com/dh-electronics/u-boot-imx6qdl/commit/a0a6080359d767094ea29840f56516f9c982c328</a>
Customer Impact	If customers use CONFIG_IMX_THERMAL on 4.19.25 DHCOM/DHCOR i.MX6ULL Linux Kernel, they should check the DHCOM/DHCOR i.MX6ULL bootloader version.
Suggested Measures	Affected customers must use at least DHCOM/DHCOR i.MX6ULL bootloader version v0.23: <a href="https://github.com/dh-electronics/u-boot-imx6qdl/commit/3976eca0166fc4592b64d042c280322ec41de3b5">https://github.com/dh-electronics/u-boot-imx6qdl/commit/3976eca0166fc4592b64d042c280322ec41de3b5</a> If customers use their own bootloader it is recommended to either turn off the IMX_THERMAL driver in bootloader or fix the IMX_THERMAL driver like in the DHCOM/DHCOR i.MX6ULL bootloader version v0.23.
Logistics	-

<b>Affected Products</b>	
HI00062	DHCM-iMX6ULL-C090-R051-F0409-SPI-E2-CAN2-RTC-WBT-ADC-C-01D2
HI00063	DHCM-iMX6ULL-C090-R051-F0409-SPI-E2-CAN2-SD-RTC-ADC-C-01D2
HI00067	DHCR-iMX6ULL-C052-R025-SPI-C-01LG
HI00068	DHCR-iMX6ULL-C090-R051-SPI-C-01LG
HI00069	DHCR-iMX6ULL-C052-R025-SPI-WBT-C-01LG
HI00070	DHCR-iMX6ULL-C090-R051-SPI-WBT-C-01LG
HI00072	DHCR-iMX6ULL-C080-R051-SPI-WBT-I-01LG
HI00073	DHCM-iMX6ULL-C090-R051-F0409-SPI-E2-CAN2-RTC-WBT-ADC-C-01D2

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HI00076	DHCM-iMX6ULL-C052-R025-F0409-SPI-E-RTC-C-01D2
HI00077	DHCM-iMX6ULL-C052-R025-F0012-SPI-E-SD-RTC-C-01D2
HI00084	DHCM-iMX6ULL-C090-R051-F0409-SPI-E-CAN2-RTC-WBT-C-01D2

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