

# DA14585 Development kit

Design Name	DA14585_DB_IoT+_VC
Ref. Number	321-15-C
Version	C00
Date	May 11 2018
Designer	Nikolaos Terzopoulos (NT)

Configuration note

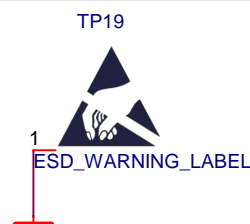
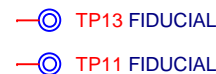
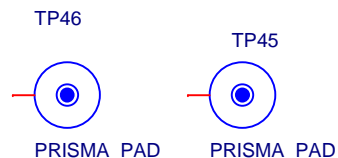
History Table		
Version	Date	Comments
A00	Oct. 31 2017	Initial Schematic
B00	Jan. 31 2018	--> J3 has to be mirrored to match bottom placement, --> SPI GPIOs re-arrangement, Pull up R277 and R278 were added at CS of Magneto (AK09915C) and motion sensor ICS40605, respectively --> R7 was made 2.2k --> Test points were added at the CS and INT pins of the motion and magneto sensors --> R218 is now 33 Ohm and R224 is now 1K --> Matching components revised: C142 10pF(formelly R276) C129 0.5pF, L9 6.2nH (formelly C17) --> URX (P0_5) is multiplexed with the SPI_MISO --> GPIO P1_3 (Buzzer) swaped with GPIO P2_8 (Push button) --> C143 (100nF) was added in the P1_3 push button side
C00	May 11 2018	--> Motion sensor ICM-40605 (U24) was replaced by ICM-42605 --> BMI160 (U11) motion sensor also included (non pop) --> R277, R278 are now populated (Pull-up) 4.7K --> R283 pull-up 4.7K --> R269 made 1800hm from 3300hm --> New BMI160 related components R127,R282,C36,C37 --> Additonal push button placed (SW38,non-populated) --> Non populated components: L8,C138,C137,R283,R127,C36,C37 --> SPI_MISO series resistors: R286, R287 --> R288 non populated 0 ohm resistor connecting CTRL_PWM_BP to P0_7 GPIO

NOTE box

Changes in this Version.

**Text in BOLD**  
To be transfered on PCB

<Core Design>



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Doc. Nr.	Designer: Nikolaos Terzopoulos	Rev: C	
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