1) USB Differential Pairs - 90 Ohm (A)USB\_N and USB\_P (B)MCU\_GPIO42 and MCU\_GPIO43

2)ADC Differential pair Impedance Matching

(A)HSEC\_ADC even pins should match with HSEC\_ADC + 1 pin(ie HSEC\_ADC-C2 should match with HSEC\_ADC-C3) (B)MCU\_ADC even pins should match with MCU\_ADC + 1 pin(ie MCU\_ADC-A0 should match with MCU\_ADC-A1)

3) ETHERNET and ETHERCAT Differential pairs (A)TD\_P and TD\_N

(B)RD\_P and RD\_N

Mini- USB XDS100v2 USB LEDS ETHERNET
F28388D  FSI Header  HSEC Connector
TISEC CONNECTOR

This controlCARD does not support the High Density(HD) connector, or EMIF, as previously supported by TMDSCNCDF28379D.

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Orderable: TMDSCNCD28388D Mod. Date: 4/7/2020 SVN Rev: Version control disabled Assembly Variant: 002
Drawn By: Cody Watkins File: MCU063B\_Cover File: MCU063B\_CoverSheet.SchDoc

TEXAS INSTRUMENTS http://www.ti.com

**Revision History** 

N/A

N/A

Fixed Ethernet MDC Bug in PCB Replaced U20 with an inverting buffer

Public Release

Changed Default clock to 25MHz Added 1V2, 3V3, and ERRORSTS to HSEC conn Enhanced J2 to support 2 data lines

Approved Date

N/A

N/A

N/A

E2

N/A

N/A

N/A



















