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Except as otherwise provided in the following paragraphs, for a period of one (1) year from date of shipment to customer ("Warranty Period"), SPANSION warrants the hardware deliverables (i) are free of defects in material and workmanship, and (ii) conform to SPANSION applicable data sheet specifications (available at [www.spansion.com](http://www.spansion.com) or upon request). This warranty does not extend beyond the first purchaser of the deliverables. The liability of SPANSION under this warranty is limited, at SPANSION's option, solely to repair the deliverable, to send replacement deliverable, or to make an appropriate credit adjustment or refund in an amount not to exceed the original purchase price actually paid for the deliverable returned to SPANSION. SPANSION'S warranty obligations are conditioned upon the following: (a) SPANSION is promptly notified in writing by customer during the applicable warranty period of any defect or nonconformance in the deliverable, (b) customer obtains authorization from SPANSION to return the defective deliverable, (c) the defective deliverable is returned to SPANSION in accordance with SPANSION'S shipping instructions set forth below, and (d) SPANSION'S examination of such deliverable discloses to its satisfaction that any defect or nonconformance actually existed and was not caused by improper use or operation outside of the data sheet specifications for the deliverable, abuse, negligence, improper installation, accident, loss or damage in transit, or unauthorized repair or alteration by a person other than SPANSION. Customer shall ship such defective deliverable to SPANSION via SPANSION'S carrier, collect. Risk of loss will transfer to SPANSION when the defective deliverable is provided to SPANSION'S carrier. If customer fails to adhere to these warranty returns guidelines, customer shall assume all risk of loss and shall pay for all freight to SPANSION'S specified location. This warranty shall not apply to any deliverables that have been repaired or altered, except those which have been repaired or altered by SPANSION. The aforementioned provisions do not extend the original warranty period of any deliverable that has either been repaired or replaced by Seller.

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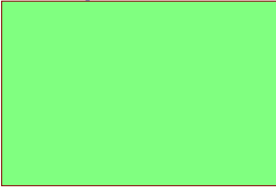
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5. Should one of the above stipulations be or become invalid and/or unenforceable, the remaining stipulations shall stay in full effect.
6. The contents of this document are subject to change by SPANSION without a prior notice, thus contact SPANSION about the latest one.

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SK-FM4-216-ETHERNET

Fibernet  
SK-FM4-216-ETHERNET 05-ETHERNET SCHDOC



Main Features:

- Spanson FM4 Microcontroller S6E2CCAL0A
- Ethernet
- 2x CAN + 1x CAN FD
- I<sup>2</sup>S Codec
- Motorcontrol Interface
- Spanson Flash Memory S25FL164K via QuadSPI Interface
- Spanson S/W TFT Interface
- 2x Spanson Multicon Flexible Serial Interface
- Spanson Software Touch
- SD Card

CAN and Human-Machine Interface  
SK-FM4-216-ETHERNET 04-CAN HMI SCHDOC



MCU and Power Supply  
SK-FM4-216-ETHERNET 02-MCU SCHDOC



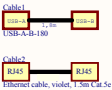
Debug and Serial Interfaces  
SK-FM4-216-ETHERNET 04-JTAG UART SCHDOC



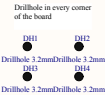
Motor Control Interface  
SK-FM4-216-ETHERNET 07-MOTOR SCHDOC

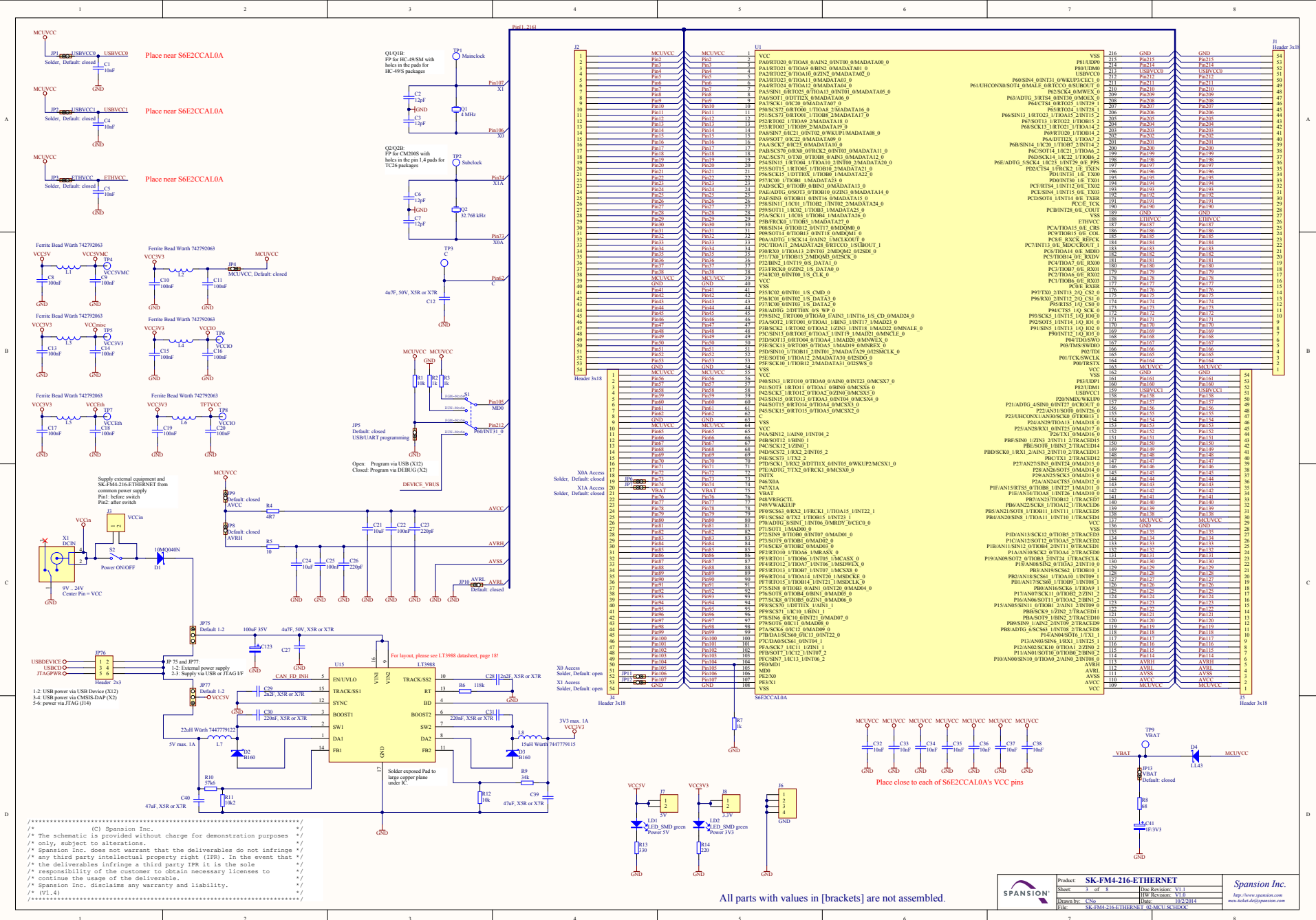


USB and Optional S/W TFT Interface  
SK-FM4-216-ETHERNET 06-USB TFT SCHDOC




All parts with values in [brackets] are not assembled.





All parts with values in [brackets] are not assembled.

**SPANION**

Product

SK-FM4-216-Ethernet

Sheet

1 of 8

Drawn by

C. Wu

Rev

Revision: V1.0

Date

04/24/2014

File

SK-FM4-216-Ethernet\_01\_01\_MCU\_Schematic

new

new

http://www.spanion.com

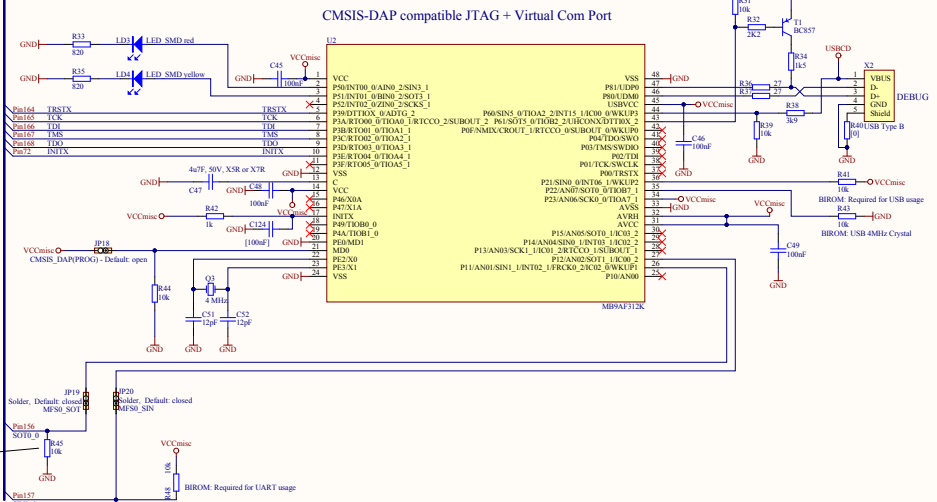
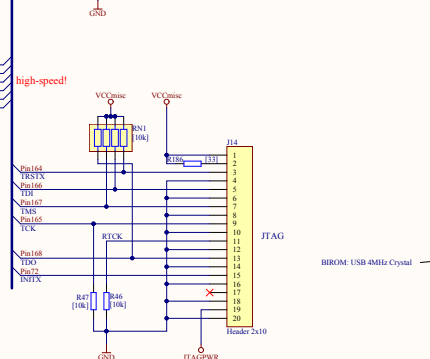
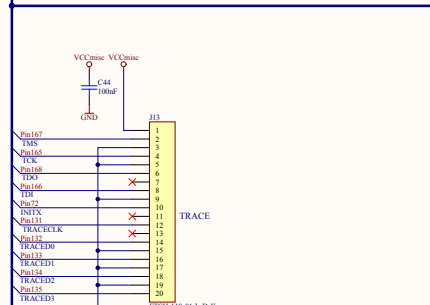
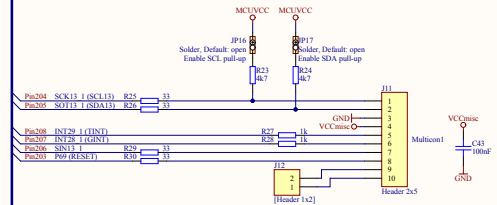
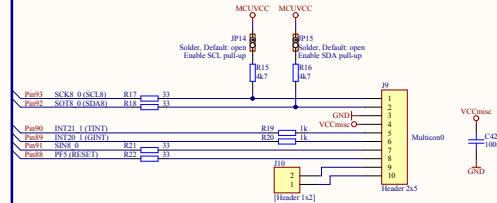
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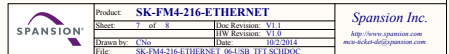
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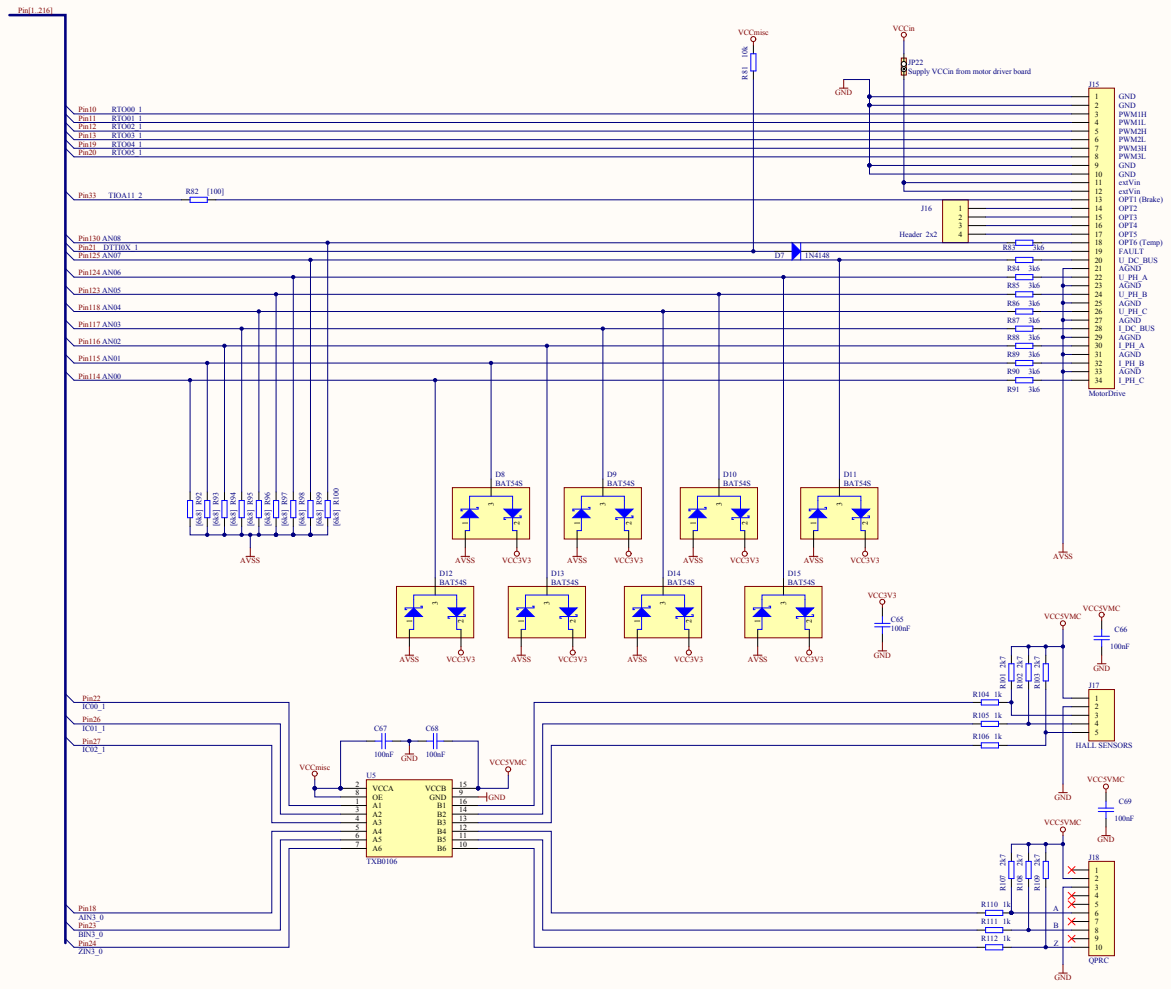


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