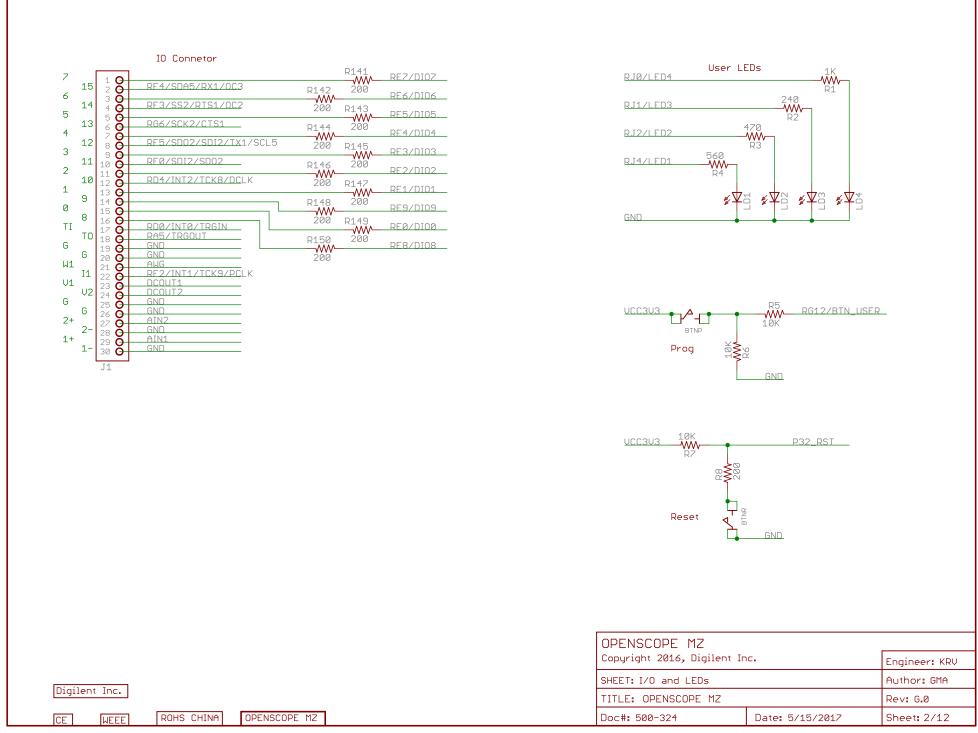
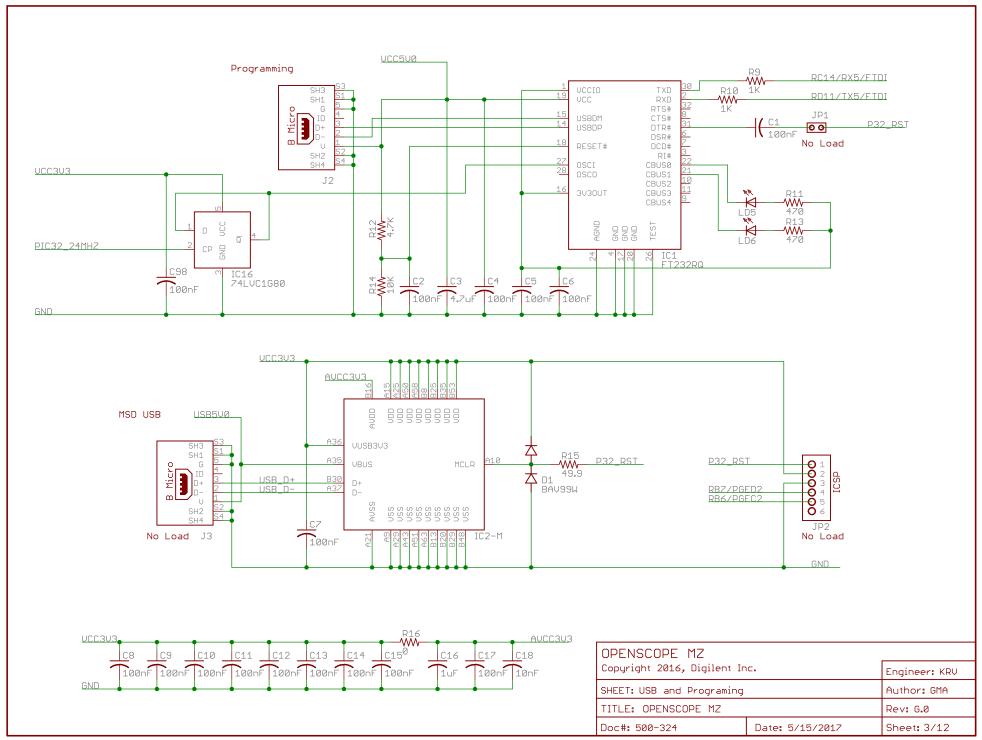
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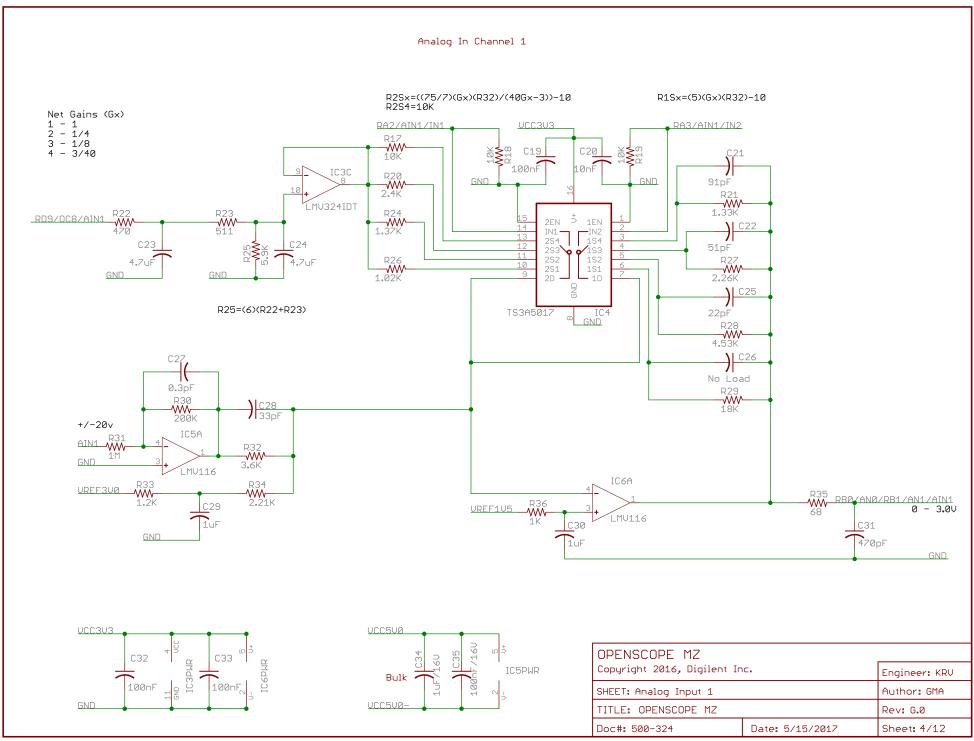
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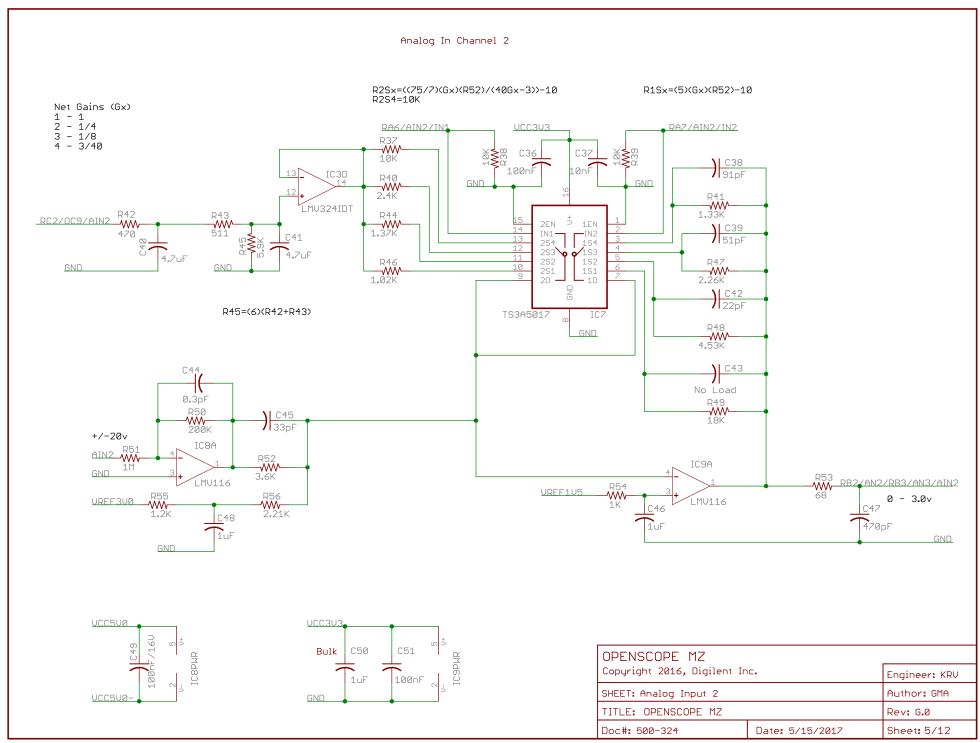
| Sheet | Circuit |
|-------|-----------------------------|
| 2 | IO Connector, LEDs, Buttons |
| 3 | USB and Programming |
| 4 | Analog Channel 1 |
| 5 | Analog Channel 2 |
| 6 | R2R and D/A Converter |
| 7 | DC Output Channels |
| 8 | PIC32 Ports A-D |
| 9 | PIC32 Ports E-J |
| 10 | WiFi and uSD Card |
| 11 | Feedback Network |
| 12 | Power Supplies |

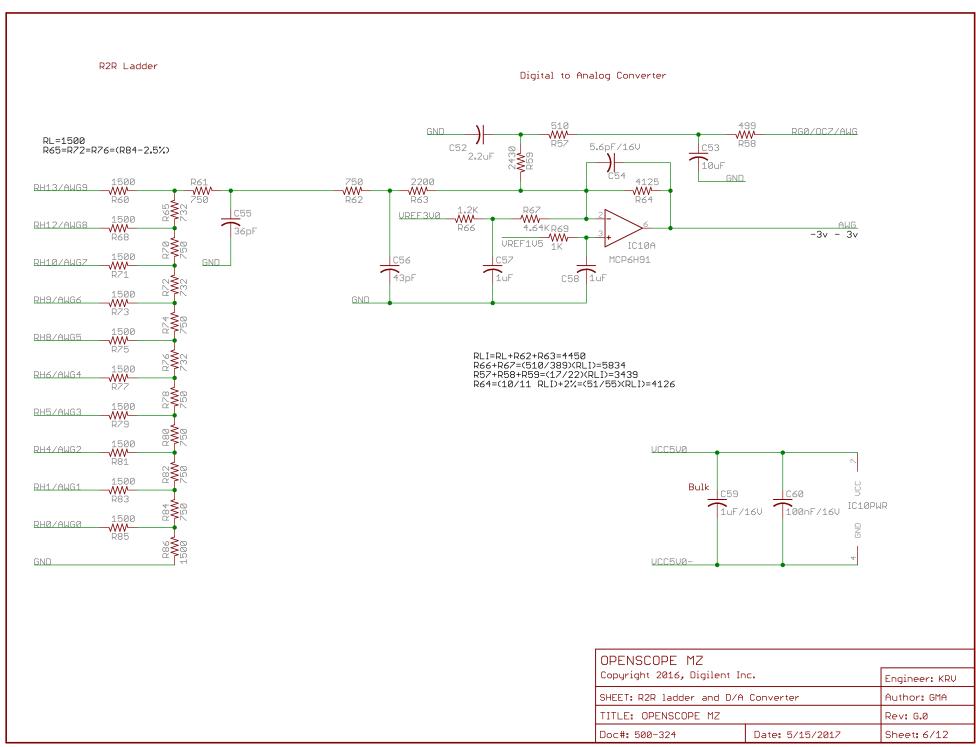
| OPENSCOPE MZ | | |
|-----------------------------|-----------------|-------------|
| Copyright 2016, Digilent In | Engineer: KRV | |
| SHEET: Creative Commons | Author: GMA | |
| TITLE: OPENSCOPE MZ | Rev: G.Ø | |
| Doc#: 500-324 | Date: 5/15/2017 | Sheet: 1/12 |

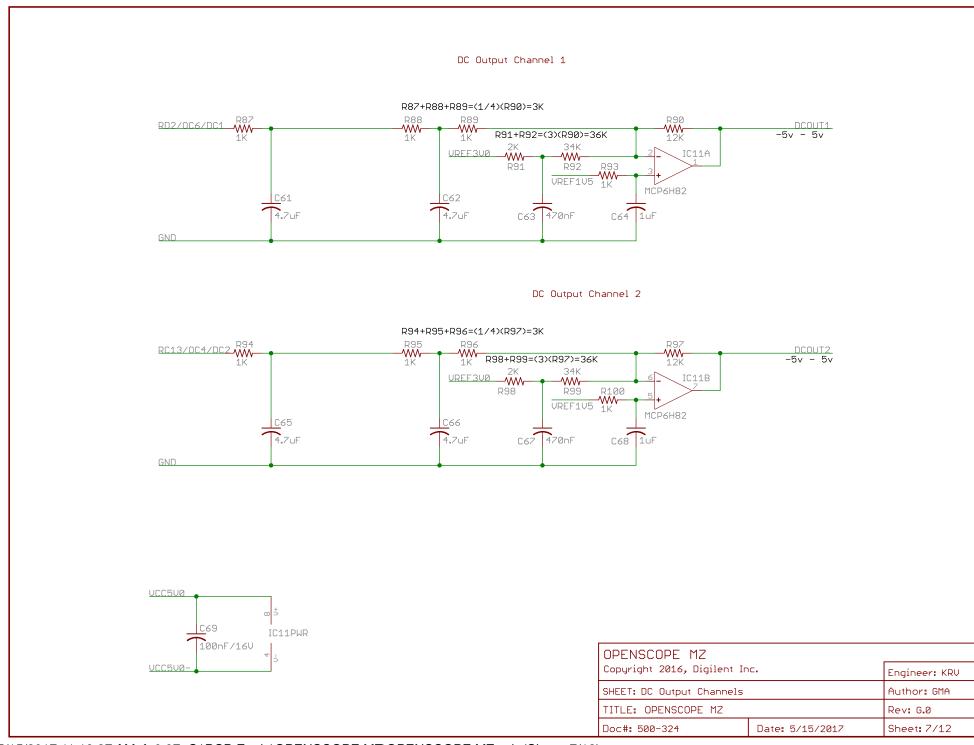


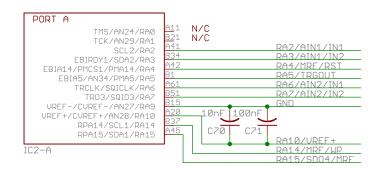


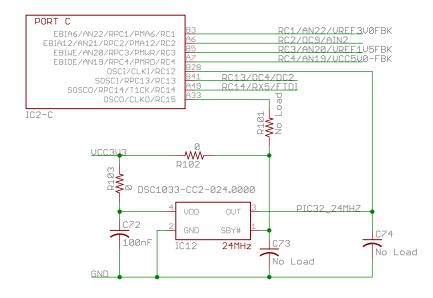


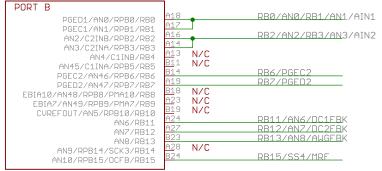








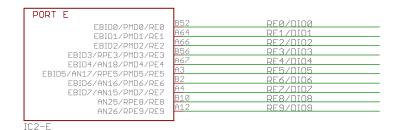


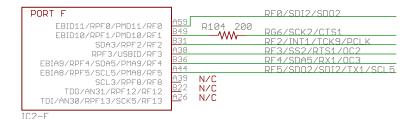


IC2-B

| PORT D RPD0/RTCC/INT0/RD0 RPD1/SCK1/RD1 FRID14/RPD2/PMD14/RD2 | A48 A52 B42 | RDØ/INTØ/TRGIN RD1/SDCD RD2/0C6/DC1 |
|---|--|--|
| EBID15/RPD3/PMD15/RD3 SQICS0/RPD4/RD4 SQICS1/RPD5/RD5 | A53 N/C A56 B46 A57 N/C | RD4/INT2/TCK8/DCLK RD5/SDI6/USD |
| ETXEN/RPD6/RD6 ETXCLK/RPD7/RD7 EBIA15/RPD9/PMCS2/PMA15/RD9 RPD10/SCK4/RD10 EMDC/RPD11/RD11 EBID12/RPD12/PMD12/RD12 EBID13/PMD13/RD13 AN32/RPD14/RD14 AN33/RPD15/SCK6/RD15 | B47 N/C B38 A46 B39 B43 A54 B27 A32 | RD9/0C8/AIN1 RD10/SCK4/MRF RD11/TX5/FTDI RD12/SD06/USD RD13/MRF/HIB RD14/SS6/USD RD15/SCK6/USD |

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| Doc#: 500-324 | Date: 5/15/2017 | Sheet: 8/12 |





PORT G EBID8/RPG0/PMD8/RG0 EBID9/RPG1/PMD9/RG1 RG6/SCK2/CTS1 AN14/C1IND/RPG6/SCK2/RG6 RGZ/SDI4/MRF AN13/C1INC/RPG7/SDA4/RG7 AN12/C2IND/RPG8/SCL4/RG8 RG9/AN11/UCC5U0FBK EBIA2/AN11/C2INC/RPG9/PMA2/RG9 RG12/BTN_USER RF4/SDA5/RX1/0C3 TRD1/SQID1/RG12 TRD0/SQID0/RG13 **-**WW-TRD2/SQID2/RG14 R105 2.2K RF5/SD02/SDI2/TX1/SCL5 -**/**////-AN23/RG15 R106 RG15/AN23/UCC3V3FBK IC2-G

| PORT H | 7 | |
|---|-----|-----------|
| AN38/ETXD2/RHØ | B17 | RHØ/AWGØ |
| AN39/ETXD3/RH1 | A22 | RH1/AWG1 |
| AN40/FRXFRR/RH4 | A30 | RH4/AWG2 |
| HN40/ERXERR/RH4 AN41/ERXD1/RH5 AN42/ERXD2/RH6 ERXD0/RH8 ERXD3/RH9 ECOL/RH10 ECRS/RH12 | B26 | RH5/AWG3 |
| | A31 | RH6/AWG4 |
| | B32 | RH8/AWG5 |
| | A40 | RH9/AWG6 |
| | B33 | RH10/AWGZ |
| | A47 | RH12/AWG8 |
| FRXDU/FCRSDU/RH13 | B40 | RH13/AWG9 |
| ERXDO/ECRSDO/RHI3 | | |
| IC2-H | _ | |

| AN3Z/ERXCLK/EREFCLK/RJ11 B12 N/C | PORT J ETXERR/RJ0 EMDIO/RJ1 EBIRDY3/RJ2 EBICS0/RJ4 AN35/ETXD0/RJ8 AN36/ETXD1/RJ9 AN37/ERXCLK/EREFCLK/RJ11 | B44 A55 B45 A62 A5 B4 B12 | N/C N/C N/C | RJØ/LED4 RJ1/LED3 RJ2/LED2 RJ4/LED1 | |
|----------------------------------|--|---|-------------------|--|--|
|----------------------------------|--|---|-------------------|--|--|

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| SHEET: PIC32 Ports E - J | Author: GMA | | |
| TITLE: OPENSCOPE MZ | | Rev: G.Ø | |
| Doc#: 500-324 | Date: 5/15/2017 | Sheet: 9/12 | |

