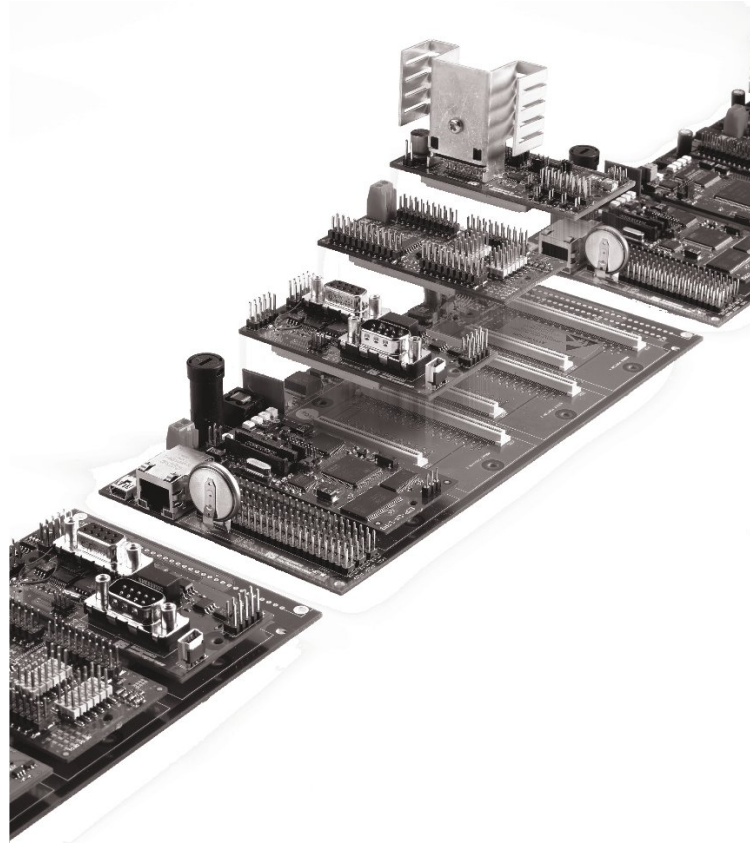
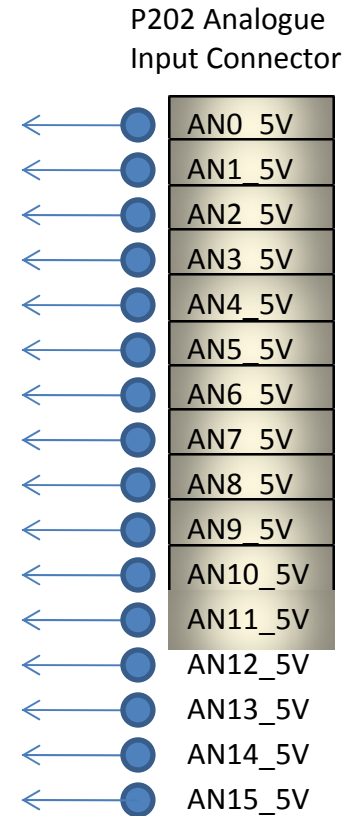
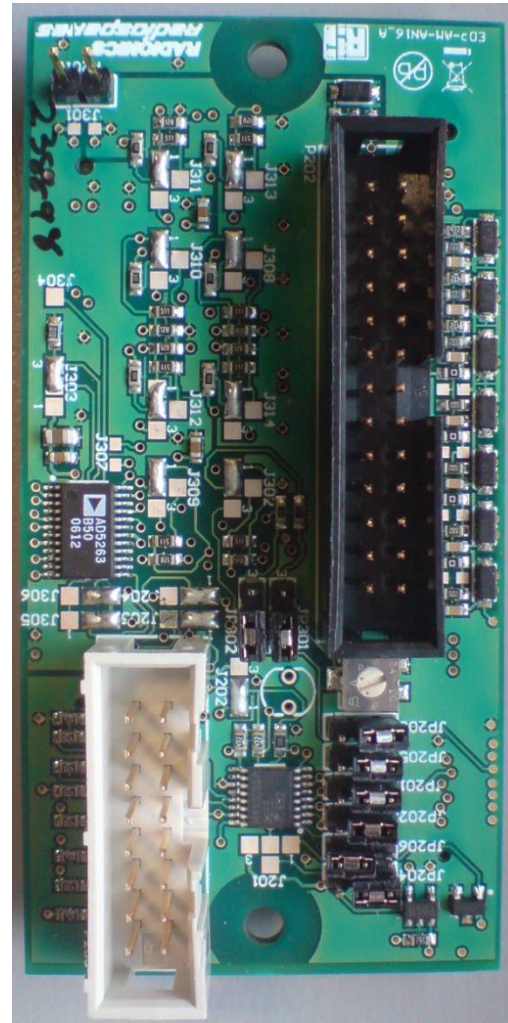
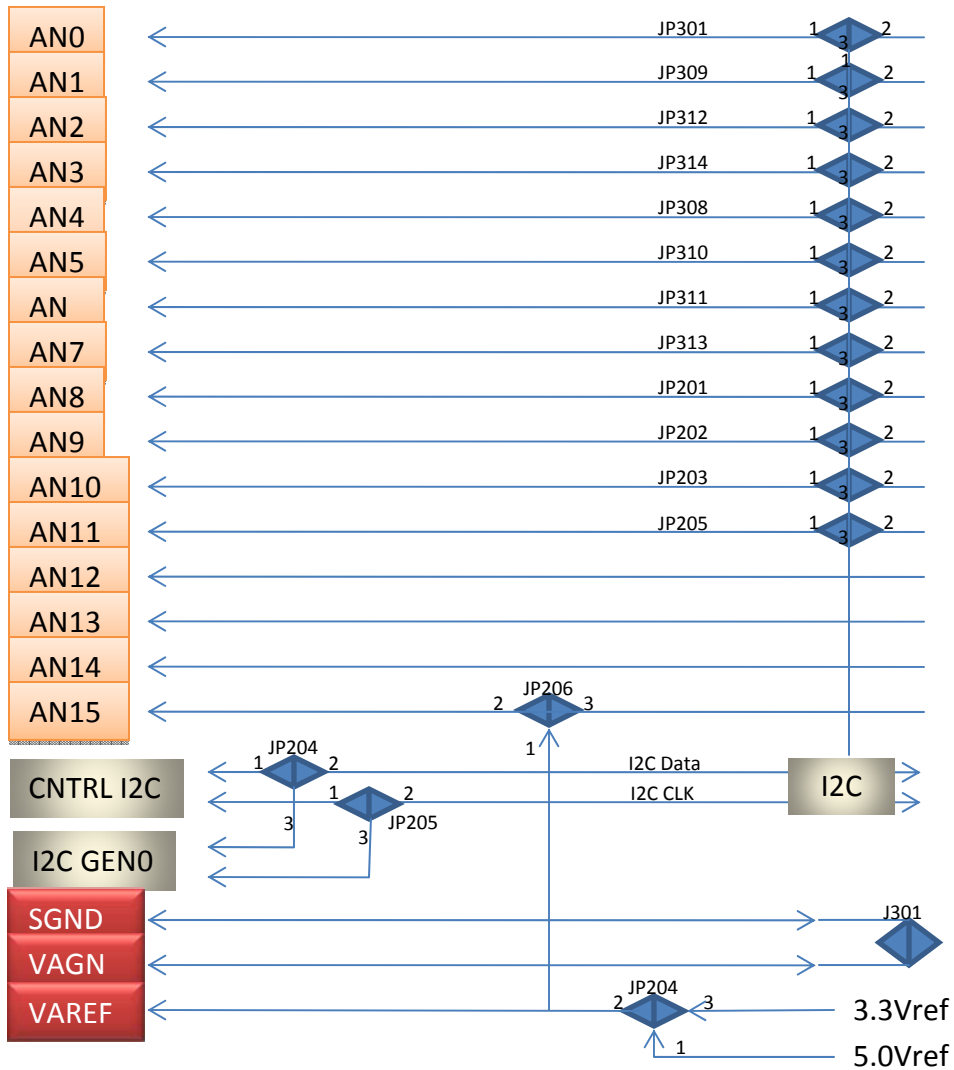


Mapping Aid For RS-EDP Platform



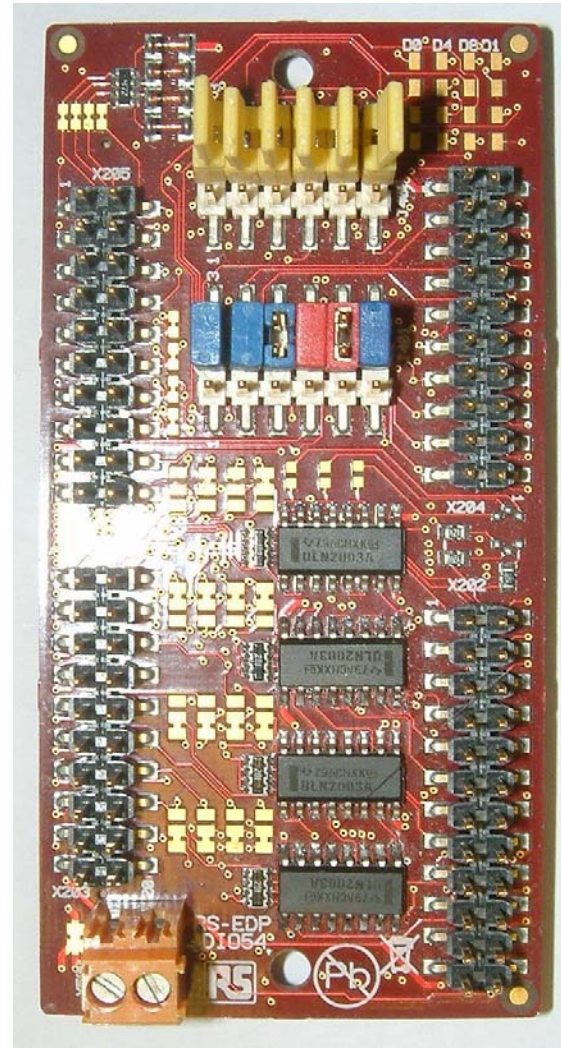
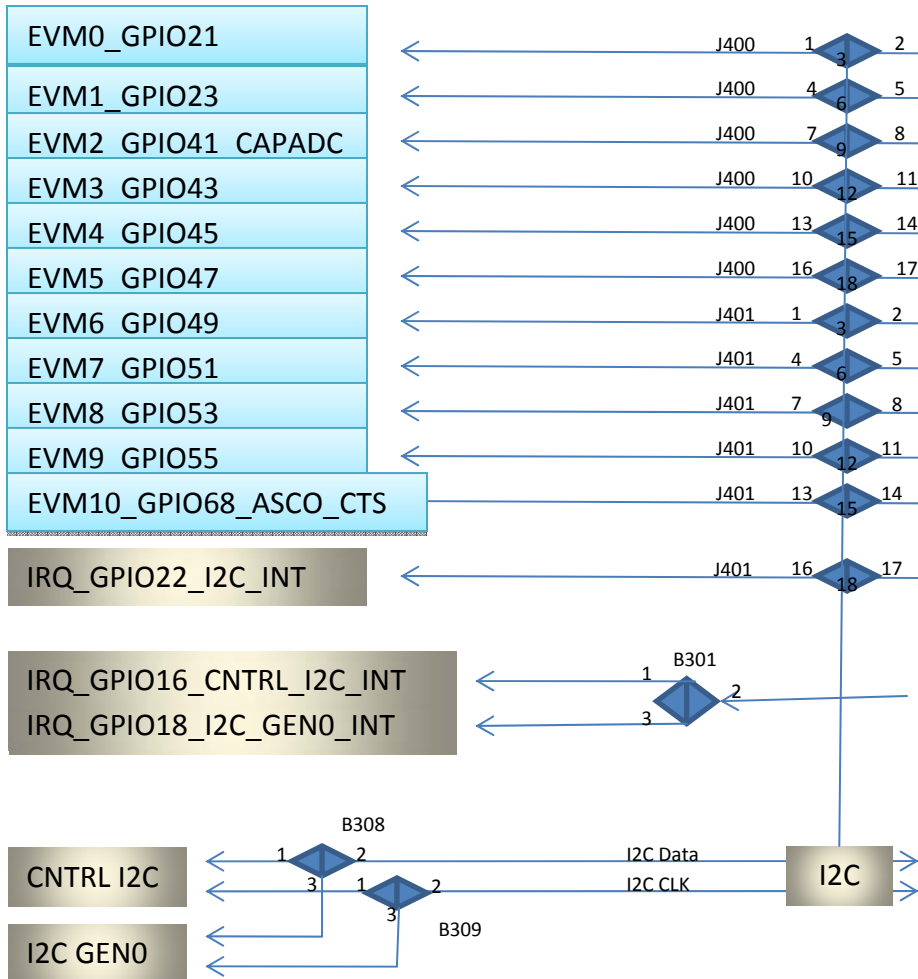
STR912 Rev. 01

AN16 - Analogue Module to RS-EDP Backplane

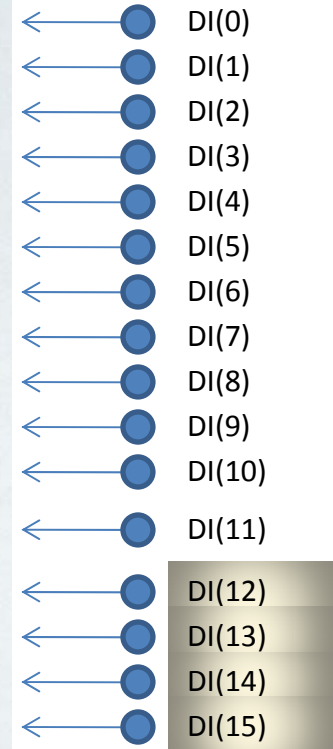


I2C bus can only read inputs AN0_5V to AN11_5V

DIO54 - Digital I/O Module Inputs to RS-EDP Backplane

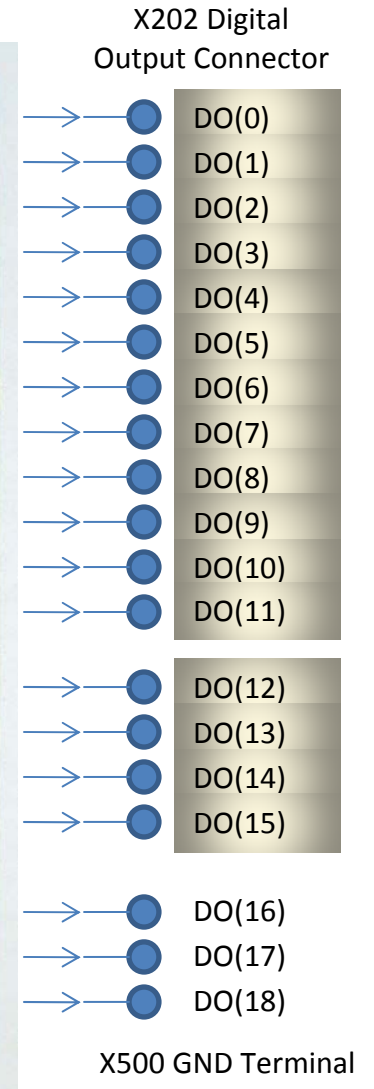
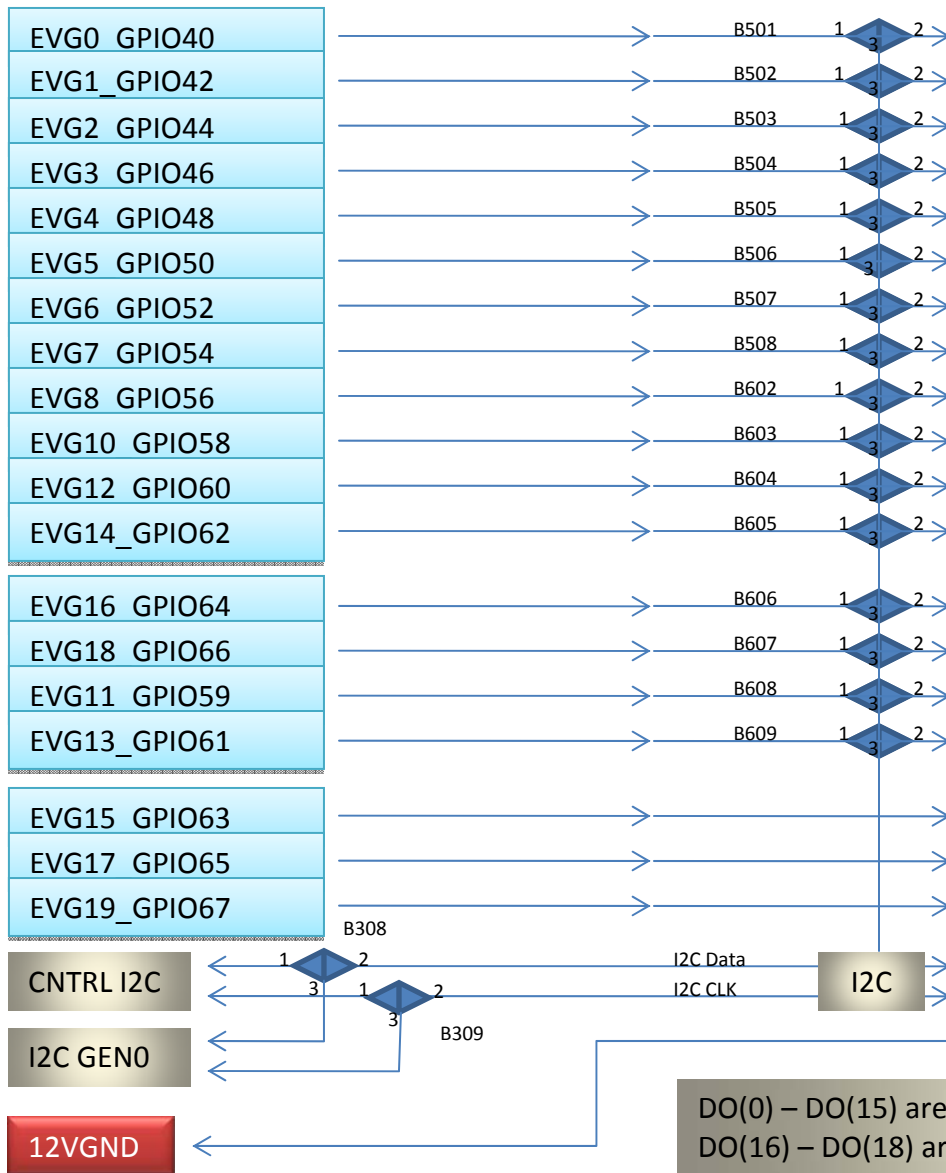


X205 Digital Input Connector



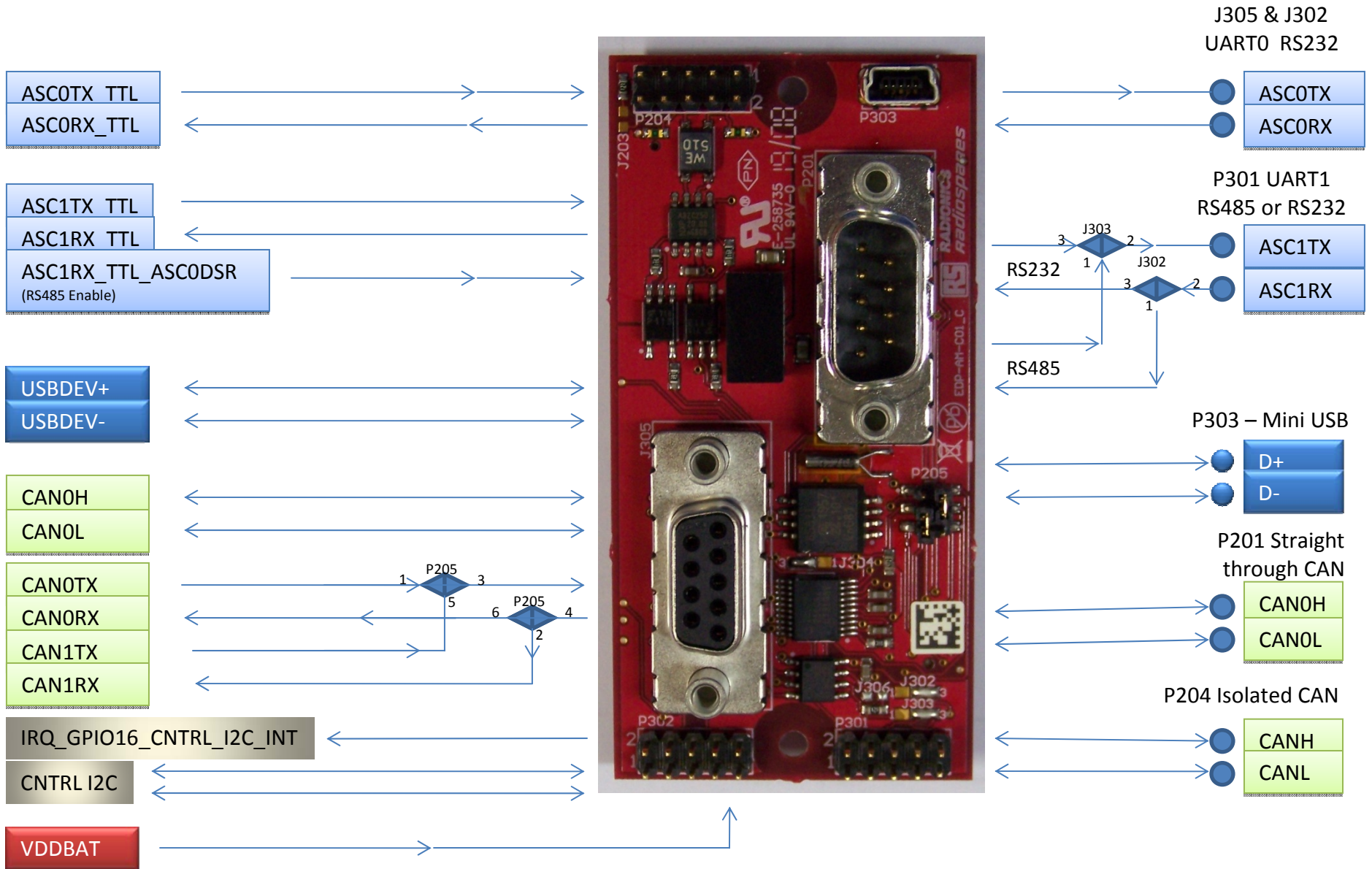
DI(0) – DI(11) can be read via I2C or via backplane by the MCU
 DI(12) – DI(15) can only be read via I2C.

DIO54 - Digital I/O Module Outputs to RS-EDP Backplane

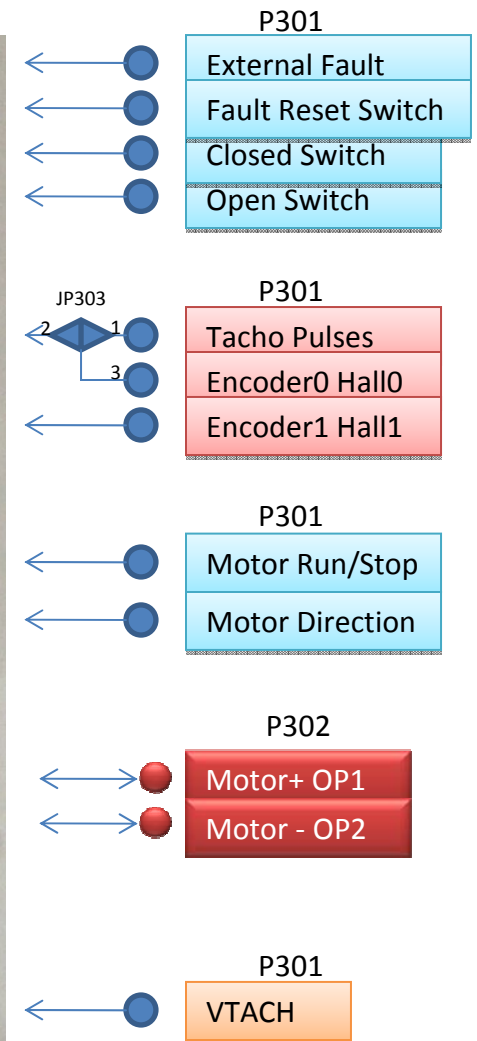
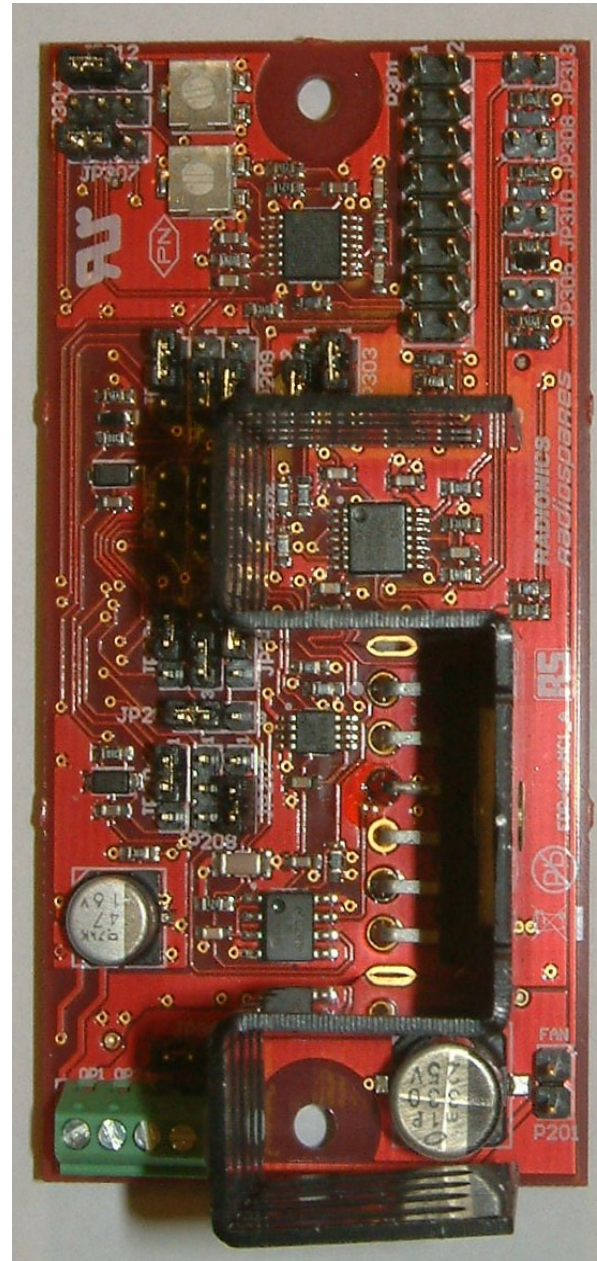
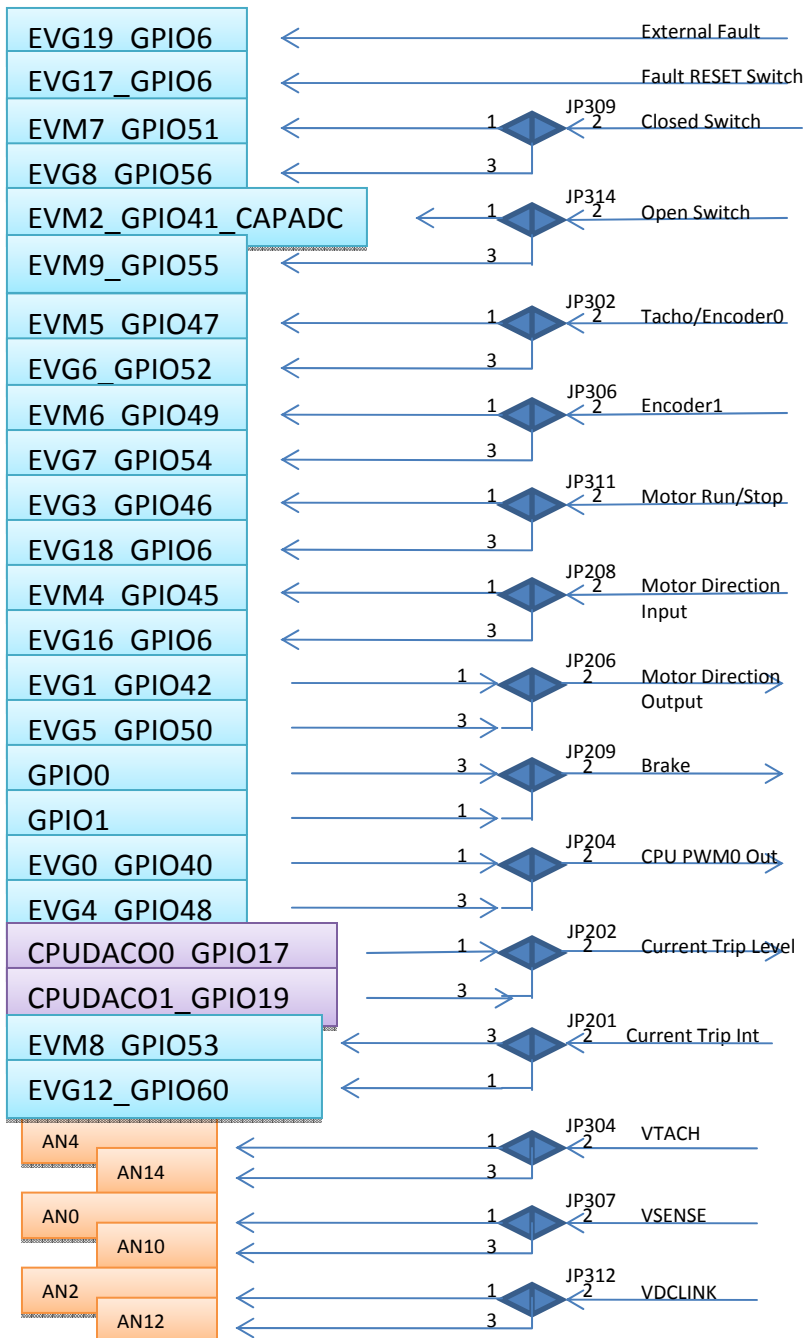


DO(0) – DO(15) are Darlington outputs, controlled by either I2C or direct MCU control
 DO(16) – DO(18) are MCU logic level outputs controlled only by direct MCU

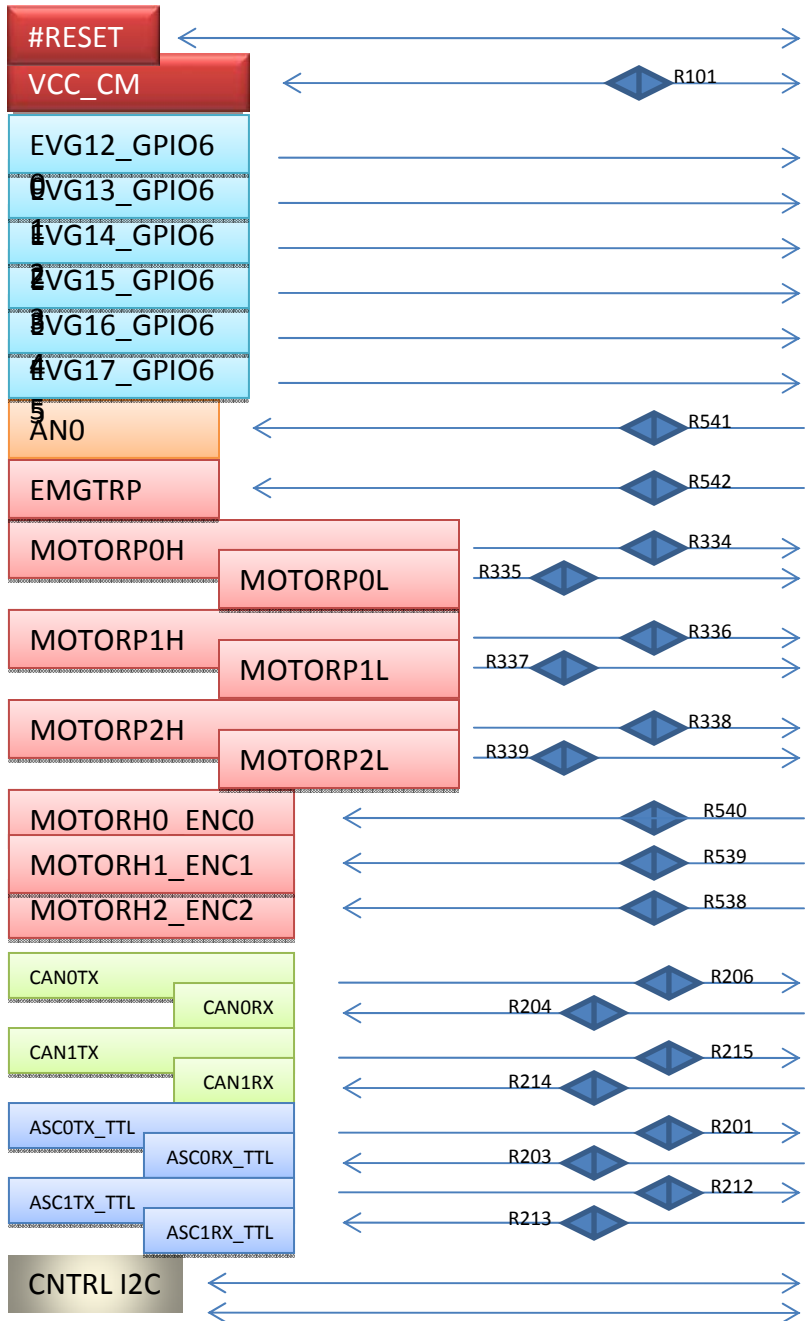
CO1 - Communications Module to RS-EDP Backplane



MC1 - Motor Drive Module to RS-EDP Backplane

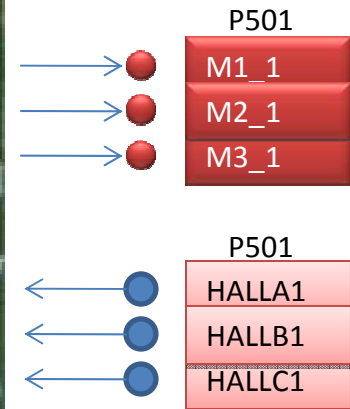


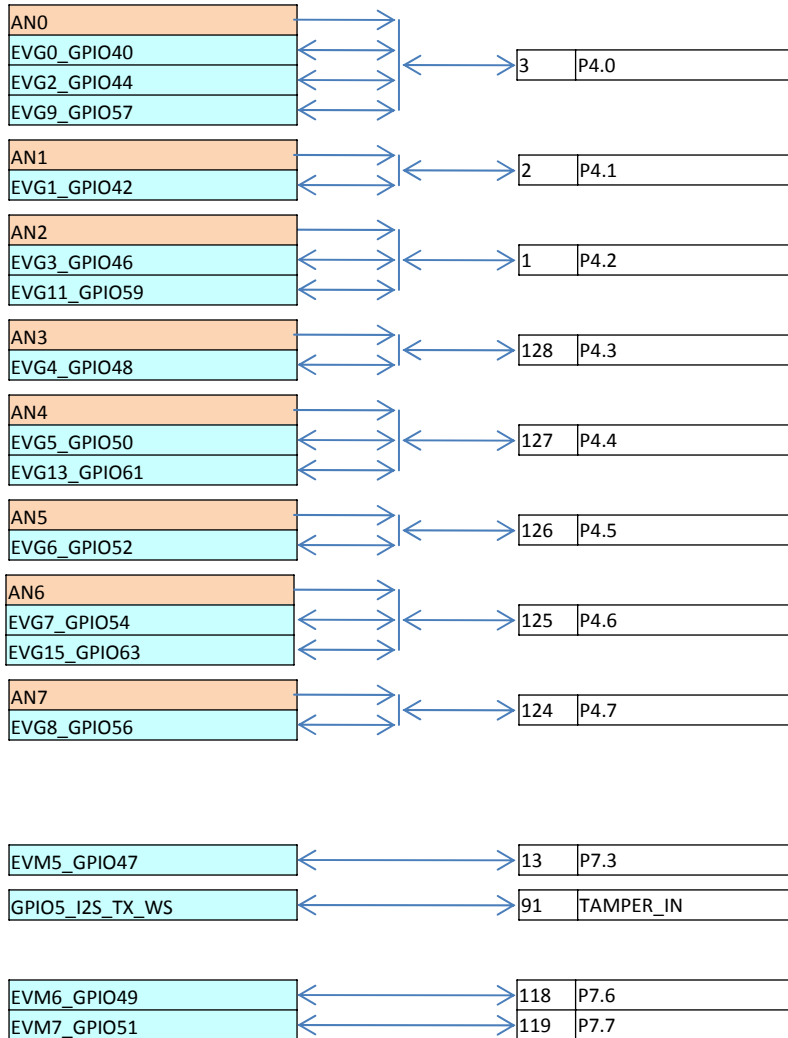
MC2 - Motor Drive Module to RS-EDP Backplane



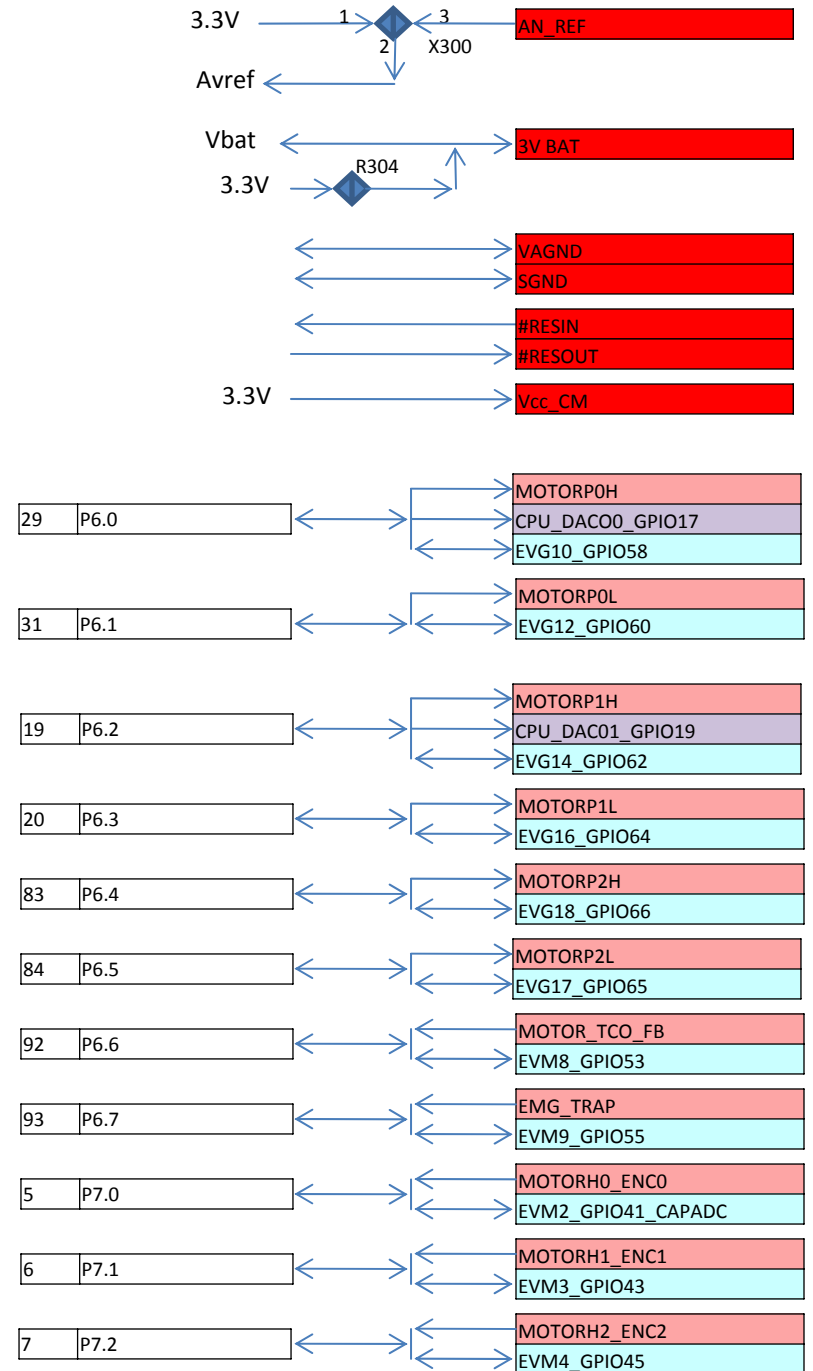
MC2 Module is a twin motor drive module.

Output connections are only shown for the motor under control from an external Command Module, via the backplane.





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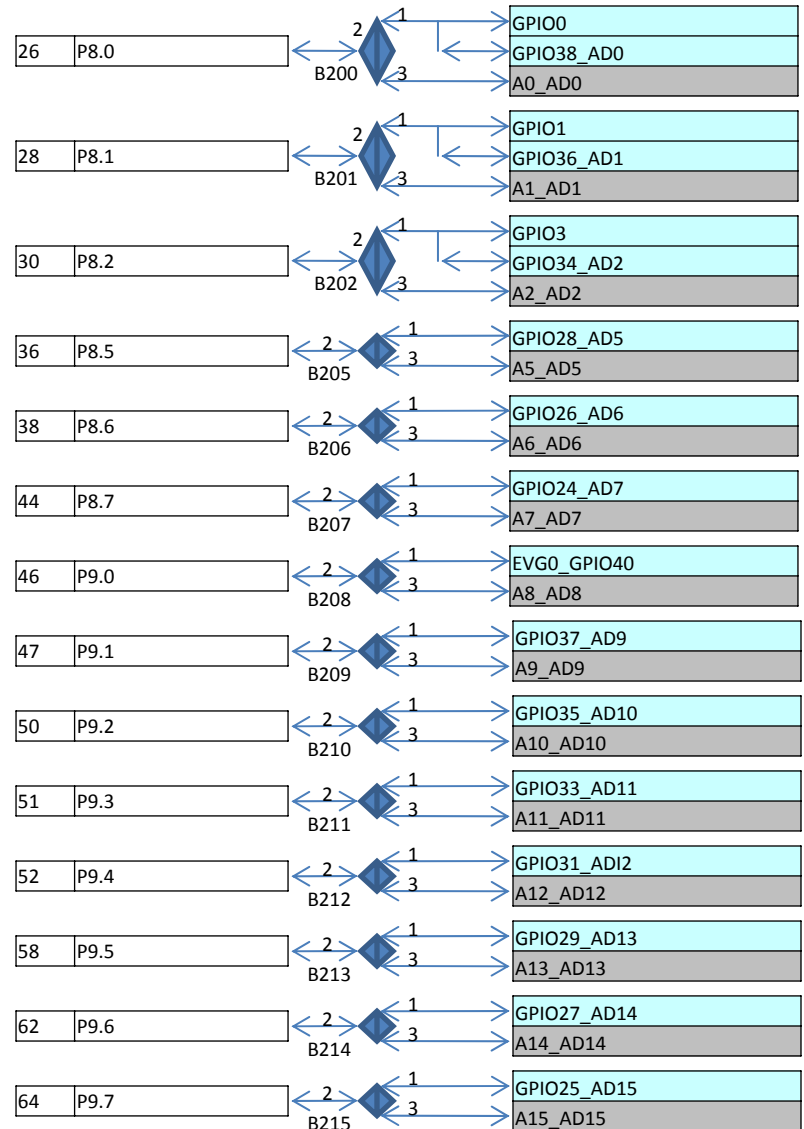
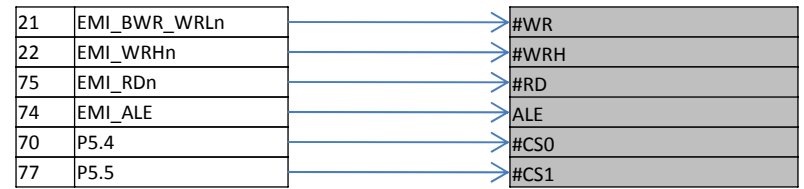
Note: On the STR9 module, the external 1M byte SRAM is mapped in to the external memory space. The options to select Ax_ADx pins (B200 – B215) is not required to use this SRAM.

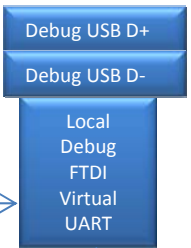
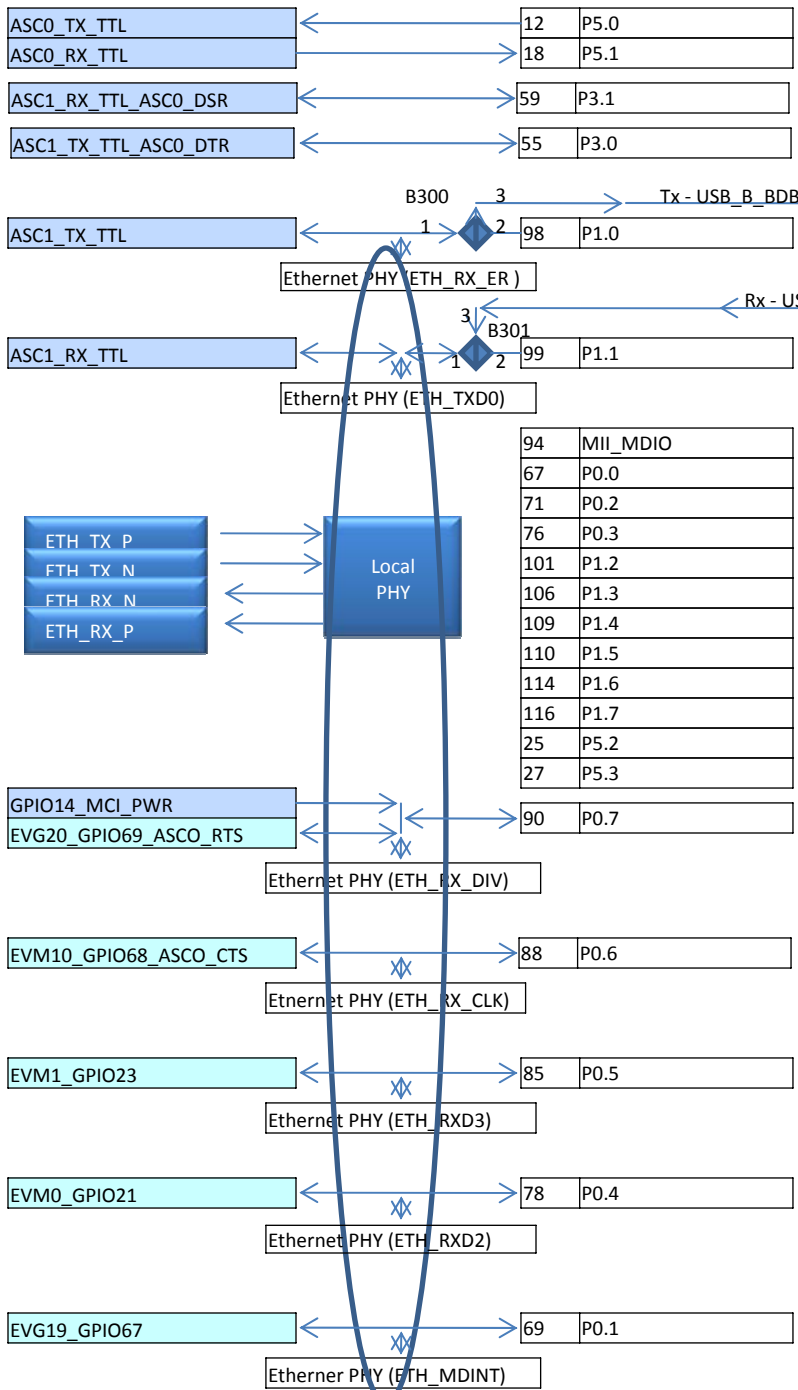
The link options only provide the option to put this external bus onto the RS-EDP back plane . You would only do this if you have an external module that requires mapping into the external address space of the STR9 device.

If you intend to use the on board SRAM and do NOT have an external module that requires mapping into the external bus then simply leave these jumpers open.

Note the A3_AD3 and A4_AD4 are shown on the next foil as the pins are shared with GPIO4_MCI_DAT1 and GPIO6_MCI_DAT2 which form part of the smart card interface.

STR912FAW44





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