B#: Hex to Dec, Dec to Hex Conversion

1. Measured Voltage (Hex2Dec)
   Reference voltage low: 0V
   Reference voltage high: 5V
   Resolution: 10bit
   Offset: TBD

   Dec Voltage Value = Hex2 Dec (Hex Voltage Value) / 1024 * 5 ± Offset

   Both low and high reference voltage can be changed using proper register values
   Reference Voltage Range: 1.23V~12.40V

2. Emulated Voltage (Dec2Hex)
   Resolution: 12bit
   Output Voltage Range: 0V ~ 4.8V
   Offset: TBD
   Vdac = 4.86V – Dec Voltage Value
   Vdac = Hex Voltage Value / 0xFFF(4096) * 5V

   Hex Voltage Value = Hex2Dex ((4.86 – Dec Voltage Value) * 4096 / 5) ± Offset

3. Measured Current (Hex2Dec)
   Resolution: 12bit
   Current Range: 0 ~ 500mA (can be changed upto 3A)
   Offset: TBD

   Dec Current Value = Hex2Dec (Hex Current Value) / 1024 * 5 / 10 ± Offset