Index	Method	Usage	Comments
1	ReadAD ( ANx )	Returns an 8 bit value by default.	Same functionality as pre-
			2015 – the 2016 code will
		Typical usage could be	be reverted. 2016 returns
		Decida D(ANIO)	an integer causing
		ReadAD( AN0)	performance and memory issues.
			133003.
			This will be maintained for backwards compatibility.
2	ReadAD (ANpX, ANnY )	Returns an integer of the	Overloaded function.
	, , , ,	differential value when a second	
		parameter is passed.	Uses existing 2016 code.
		Typical usage could be	
		ReadAD( AN0, AN3 )	
		For a Differential Channel read	
		use the following. Where ANpX is	
		the positive port, and ANnY is the	
		negative port.	
3	ReadAD ( ANx, true )	Returns an integer of the 8 bit	New overloaded function.
		value. The second parameter	TI
		must be set to TRUE.	This is essentially the 2016 code.
		Typical usage could be	code.
		ReadAD( AN0, true )	
		nead/15(/iivo, trac/	
		This forces an 8 bit read but	
		returns an integer.	
4	ReadAD10 ( ANx )	Returns a 10 or 12 bit word value	Same functionality as pre-
	, ,	dependent on the capabilities of	2015 – the 2016 code will
		the microcontroller.	be reverted. 2016 returns
			an integer causing
		Typical usage could be	performance and memory
		ReadAD10( AN0 )	issues.
			This will be maintained for
		This complies with the GCGB	backwards compatibility.
		design goal of "Measures the	
		analog voltage level on a pin at	
		full resolution".	
5	ReadAD10 ( ANpX, ANnY )	Returns an integer differential	New overloaded function.

		Typical usage could be  ReadAD10(AN0, AN3)  For a Differential Channel read use the following. Where ANpX is the positive port, and ANnY is the negative port.	This is essentially the 2016 code.
6	ReadAD10 ( ANx, TRUE )	Returns an integer of the 10 bit value.  Typical usage is  ReadAD10(AN0, True)  This would force a 10 bit read.	Uses function as specified in #8 overloaded function.  Adapted 2016 code.
7	ReadAD12 ( ANx )	Returns only a 12 bit word value.  Typical usage could be  ReadAD12( AN0 )	This is the 2016 code.
8	ReadAD12 (ANpX, ANnY )	Returns only a 12 bit integer value.  Typical usage could be  ReadAD12( AN0, AN3 )  For a Differential Channel read use the following. Where ANpX is the positive port, and ANnY is the negative port.	New overloaded function.  This is essentially the 2016 code.
9	ReadAD12 (ANpX, true )	ReadAD12 can return an integer of the 12 bit value if the second is true.  Typical usage could be  ReadAD12( AN0, true )  This would force a 12 bit read.	Uses function as specified in #8.  This is a redundant but is documented for completeness.