#### **DMC-1800** Controller

### New features for Rev 1.0r & 2.0r April 17, 2009:

- Added Stop Code 16 for Stepper Position Maintenance Mode
- Added QR command

## New feature for Rev 1.0q & 2.0q December 22, 2006:

No new features added

#### New feature for Rev 1.0p & 2.0p October 3, 2005:

- Added Stepper Motor Position Maintenance Mode (<a href="http://www.galilmc.com/support/appnotes/optima/note2445.pdf">http://www.galilmc.com/support/appnotes/optima/note2445.pdf</a>)
- Added ECAM with two linear segments (<a href="http://www.galilmc.com/support/appnotes/optima/note2444.pdf">http://www.galilmc.com/support/appnotes/optima/note2444.pdf</a>)

### New feature for Rev 1.00 & 2.00 July 6, 2004 :

- Improved BS command for AMP-540
- Added ELO support. TA3 and CN operand added for abort input application program disable
- Added Ramp to Gearing based on position. Added GD command for Gearing Distance and \_GP returns lost distance
- Position Follower Mode added (PT command)

# New feature for Rev 1.0n & 2.0n December 18, 2003:

- Added RS-1 functionality to temporarily set controller back to factory defaults without doing a Master Reset
- Added DU command to set dual port data updates (1800 only)
- Added ~a to ~h operands for variable axis designators
- Added AG, AU, AW, BR, QH, and TA for AMP-19540
- Modified BS command for AMP-19540
- Added TK command to set peak motor torque

- Optimized cornering motion profile
- Added bus communication interrupt within IN command

## New feature for Rev 1.0m & 2.0m December 23, 2002:

- Added LC command to set stepper in low current mode via ampen
- Added BK and SL commands to debug user application programs
- Added GA interrogation
- Added AUTOERR special label
- Added RS operand
- Added double read of selective axis abort input
- Special bus interrupts added for new software drivers

# New feature for Rev 1.0l & 2.0l April 9, 2002:

- OE and DV can now use "?"
- 1st bank of extended I/O restored for 1800-64
- JP command will no longer inhibit Timer interrupt
- @AN function will no longer inhibit interrupts in fast firmware

#### New features for Rev 1.0k & 2.0k October 21, 2000:

- Operand EO returns the state of echo-on
- Operand \_BV returns the number of axes

# New feature for Rev 1.2j & 2.0j June 15, 2000:

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# New feature for Rev 1.2i & 2.0i March 8, 2000:

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# New feature for Rev 1.2h & 2.0h December 8, 1999:

• Added Support for 4 Meg Flash Memory – firmware 2.0xxx only

# New feature for Rev 1.0e October 21, 1999:

- 'can start a comment line in an application program
- BZ<time sets the time of the BZ timeout
- Option jumper now causes Motor Off on power up. Note: must have operating system rev 2.0 or higher