Revision Index	Page Rev.	Rev.	Description	App'd By
		1	Prototype Release	BJM 01-15-2009
		2	Added Mounting Plate	BJM 06-24-2009

FIGURE 1
CD0103-A
COMPLETE ASSEMBLY

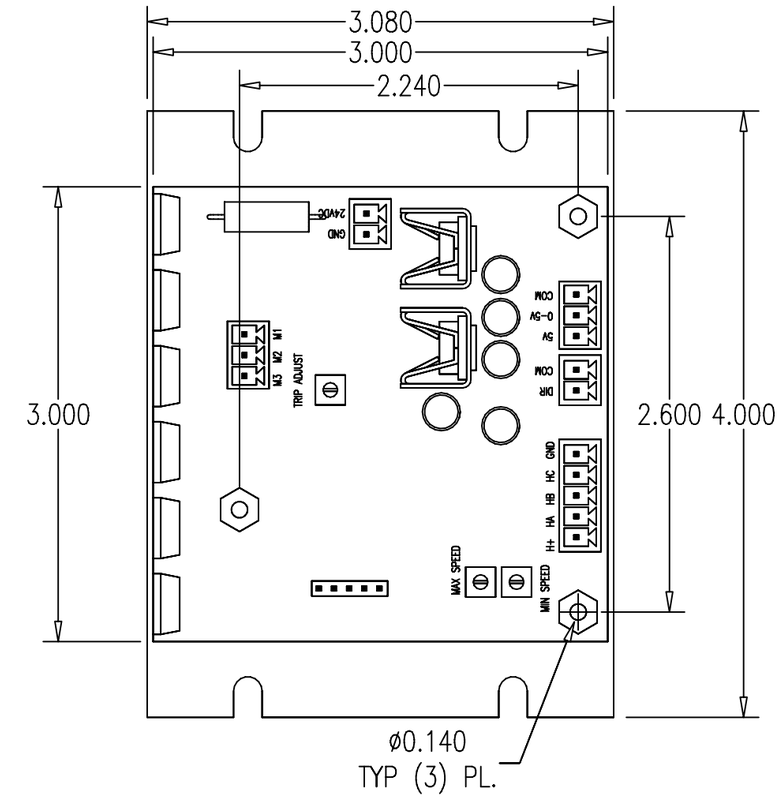
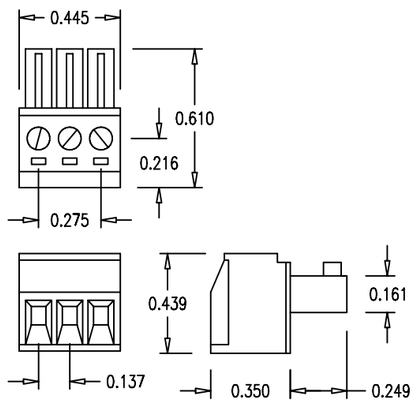
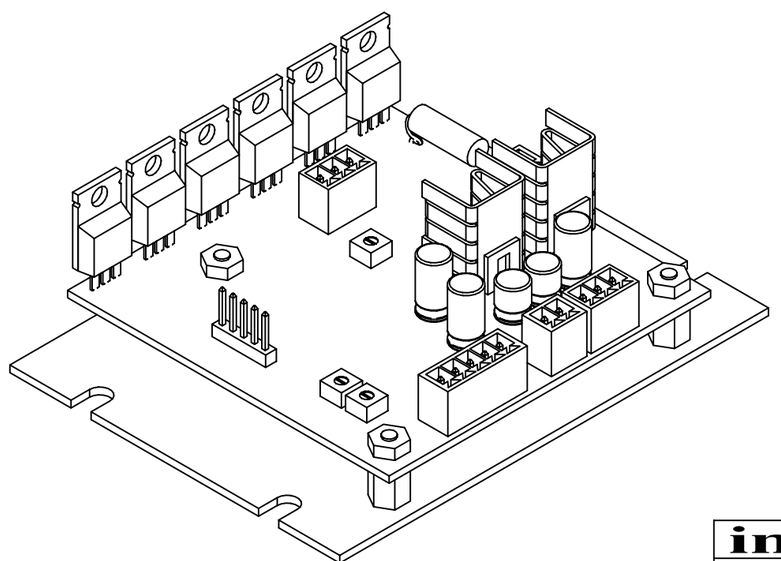


FIGURE 2
MATING CONNECTOR EXAMPLE
(3 CIRCUIT)





SPECIFICATIONS

1.0 POWER
- 1.1 INPUT: 24 VDC
- 1.2 Tolerance: +/- 10%

2.0 Signal Input
- 2.1 0-5 VDC Input
- 2.2 3x hall effect sensor inputs
- 2.3 Direction control (CW/CCW)

3.0 Signal Outputs
- 3.1 5 VDC output
  - 3.1.1 Maximum Continuous Current 25 mA DC
- 3.2 3x 24 VDC motor winding outputs
  - 3.2.1 Maximum Continuous Current: 3 Amperes DC
  - 3.2.2 Maximum Peak Current: 5 Amperes DC
  - 3.2.3 Control method: PWM @ 20 KHz
  - 3.2.4 Speed Regulation (typical) 3% of base speed

4.0 Mechanical
- 4.1 Mounting:
  - 4.1.1 Aluminum mounting plate (see figure 1)
- 4.2 Termination:
  - 4.2.1 Motor windings: Three (3) Position Pluggable screw terminal block 16-28 AWG
  - 4.2.2 Hall-effect input: Five (5) Position Pluggable screw terminal block 16-28 AWG
  - 4.2.3 Power input: Three (3) Position Pluggable screw terminal block 16-28 AWG
  - 4.2.4 0-5V input: Three (3) Position Pluggable screw terminal block 16-28 AWG
  - 4.2.5 Direction control: Two (2) Position Pluggable screw terminal block 16-28 AWG

5.0 Calibration
- 5.1 Speed adjust
  - 5.1.1 Minimum Speed threshold adjustment: 0% to 100%
  - 5.1.2 Maximum Speed threshold adjustment: 0% to 100%
  - 5.1.3 Percent Speed capable of inversion (min above max)
- 5.2 Over current trip adjust
  - 5.2.1 Trip point adjustment: 0 to ∞
  - 5.2.2 Trip validation delay: 2 seconds
  - 5.2.3 Trip indicator: Red LED

6.0 Environmental
- 6.1 Operating temperature: -20 to +60 degrees Celsius
- 6.2 Storage Temperature: -25 to +70 degrees Celsius
- 6.3 Humidity: 95% relative (non-condensing)

infitec inc.	Unless Otherwise Specified Dimensions Are In Inches Tolerances Are .XX ±.01 .XXX ±.005 .XXXX ±.003 [mm] ±0.3 Angles ±1/4° Radii .015 Max.	Title: Detail Drawing: Preliminary Product Specification	
Engineer By: BJM Date: 03-03-2008		Part Number: BLDC3	
Drawn By: AKT Date: 03-06-2008			
Checked By: GE JR Date: 03-28-2008	DO NOT SCALE DRAWING	File Name: BLDC3_PS.dwg	Page 1 of 1 / Size B
Department: Test SMD Assy Wire QC	Scale: NTS	File Folder: BLDC3	