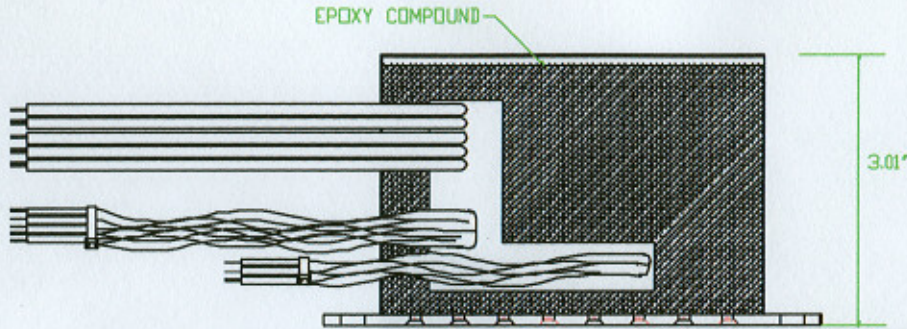


REV	EDR	DESIGNED	DRAWN	DATE	APPROVED	DATE

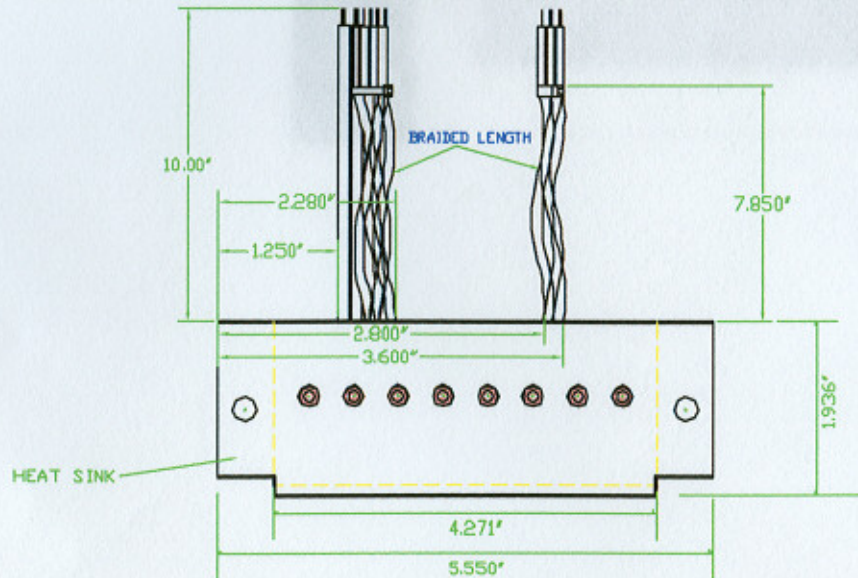
**SPECIFICATIONS:**

**1. WIRE CHART**

WIRE NAME	WIRE DESCRIPTION
HALL POWER	18 GA GXL YELLOW
HALL GND	18 GA GXL GRAY
S1 (A)	18 GA GXL BROWN
S2 (C)	18 GA GXL BLUE
S3 (B)	18 GA GXL ORANGE
A COIL	16 GA GXL RED
B COIL	16 GA GXL GREEN
C COIL	16 GA GXL BLACK
POWER +24V	14 GA GXL RED
POWER GND	14 GA GXL BLACK
SPEED +5V	18 GA GXL VIOLET
SPEED SIGNAL	18 GA GXL WHITE
POT GND	18 GA GXL GRAY



- INPUT VOLTAGE : 11-27 VDC, NORMAL OUTPUT VOLTAGE: 0-24VDC.  
NOMINAL OUTPUT CURRENT : 17 AMPS, PWM OUTPUT: CONTINUOUS DUTY CYCLE.
- 0 - 5 VDC INPUT COMMAND SIGNAL OR MANUAL CONTROL VIA EXTERNAL POTENTIOMETER.
- DC INPUT POWER REVERSE POLARITY PROTECTION, SIGNAL INPUT POLARITY PROTECTION, SIGNAL INPUT OVER VOLTAGE PROTECTION.
- CURRENT TIME-OUT FEATURE: WHEN OPERATED AT THE "HARD" OF 22-25 AMPS CURRENT LIMIT SET-POINT, THE MODULE WILL SHUT DOWN, AFTER A PREDETERMINED TIME. TOGGLE POWER TO RESET.
- TESTED TO SAE J1455 FOR MECHANICAL VIBRATION, TRANSIENT, LOAD DUMP, THERMAL SHOCK AND SALT SPRAY.



UNLESS OTHERWISE SPECIFIED: DIMENSIONS FRACTIONS 1/16" TYPICAL DECIMALS .01" HOLE PLACES DECIMALS .000" FINISH SURFACES 125 RA SEEN SURF FINISH .05 / 125 R		IPC 4515 West Prime Parkway Moline, IL 61201	
MATERIAL: FINISH:		24V Brushless FINAL ASSEMBLY DRAWING	
DATE: 02/22/04	BY: BJC	FILE NO: 910-012	REV: 0
CHECKED: BJC	DATE: 2/24/04	DWG NO: 910-9522-012	0
APPROVED: BJC	DATE: 2/24/04	SCALE: AS SHOWN	1 OF 1