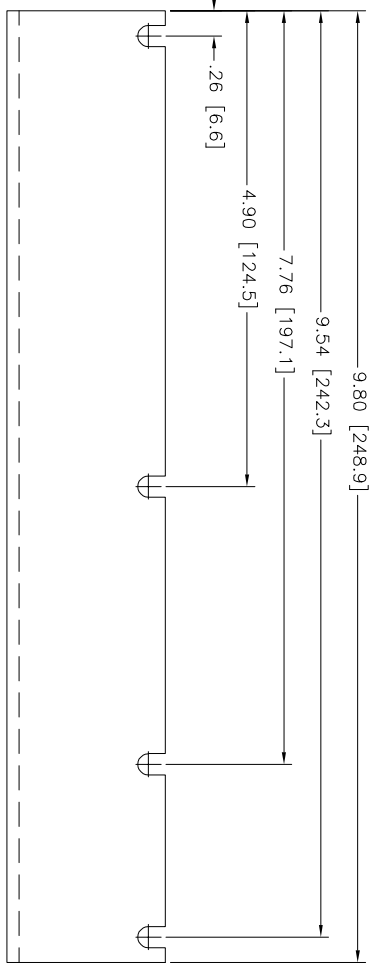
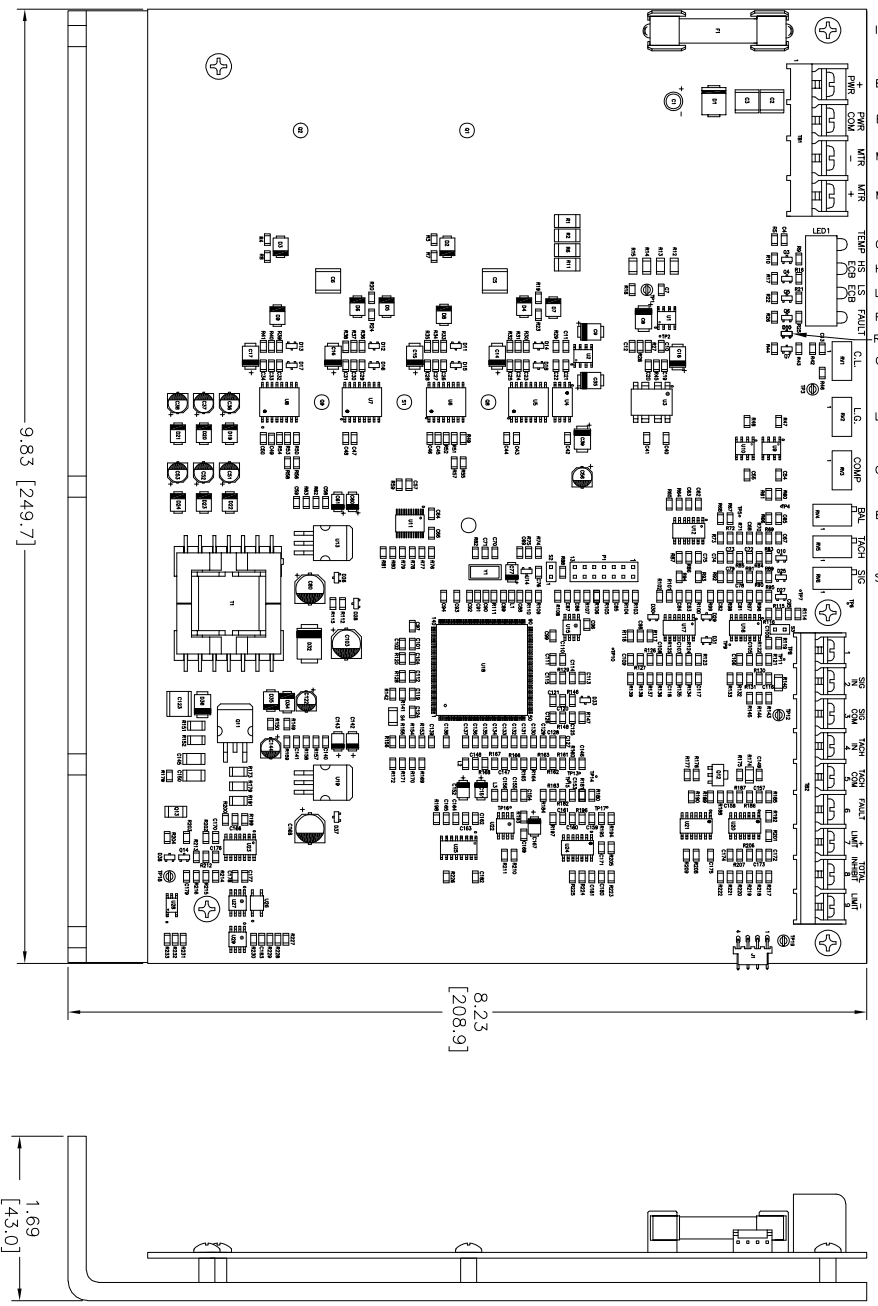
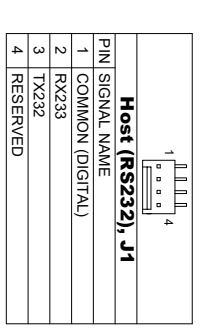


REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	3474	01FEB14	NTHALLA	J.M.
-	B	UPDATED TO REFLECT CHANGES IN SUB ASSEMBLY	3474	05MAR14	NTHALLA	J.M.
-	C	UPDATED SPECIFICATIONS AND FEATURES TABLE	3474	06MAR14	NTHALLA	J.M.
-	C	ADDED RV2 & RV3 TO THE SPEC TABLE	5208	20MAR23	N.T.	L.P.

Controller I/O Connector, TB2	
PIN	SIGNAL NAME
1	N/A
2	SIGNAL INPUT
3	SIGNAL RETURN (COMMON)
4	TACH INPUT
5	TACH RETURN (COMMON)
6	FAULT OUTPUT, OPEN COLLECTOR, ACTIVE LOW, PULLED UP INTERNALLY
7	LIMIT +, TTL LEVEL
8	TOTAL INHIBIT, TTL LEVEL, ACTIVE HIGH, PULLED LOW INTERNALLY
9	LIMIT -, TTL LEVEL, ACTIVE HIGH, PULLED LOW INTERNALLY



**Specifications and Features**

Supply Voltage	70-190 VDC
Peak Current Output	±60 A max. (with forced air cooling)
Continuous Current Output	±30 A max. (with forced air cooling)
Switching Frequency	12.5 KHz
Heatsink Thermal Switch	75 °C
Amplifier Type	Velocity/Rpm
Amplifier Isolation	Bus and Phase completely isolated from low signal.
Input Command Signal (Adjustable Gain)	±10V max., set at 5V Signal = 7V Tach (± 10VDC Signal = ± 14V Tach)
Faults Out	Open collector, 20.0K pulled up to 15 VDC, Active low.
Bus Over Voltage	Trips nominally at 250 VDC±5%
Bus Under Voltage	Trips nominally at 50 VDC±5%
LS/ECB (Low Speed Electronic Circuit Breaker)	Shuts down amplifier if output current exceeds 30A for 2 seconds.
Amplifier Over temperature	Amplifier faults and is inhibited if the heatsink temp. reaches 75 °C
Fault (RED) and Ready (GRN) LED Indicators	Only Ready LED is ON - Amplifier enabled, normal operating condition. Ready and Fault LEDs are ON - Amplifier disabled, normal operating condition.
Status (RED) LED Indicators	Only Fault LED is ON - Amplifier faulted. Amplifier tripped Bus Overvoltage fault. Fault and Status LEDs are ON - Amplifier faulted. (see Status Indicators for fault conditions)
Operating Temperature	0 °C to +65 °C
Storage Temperature	-40 °C to +80 °C
Humidity	5% to 95% non-condensing
Dimension (L x H x W - inches)	9.83 x 8.23 x 1.69

**Connections & Mating Connectors**

Controller I/O & Motor Feedback Connector, 9 Pin Augat, TB2	GlenTek P/N: E1084R09, Augat P/N: 4PCR09
Power Input & Motor Output Connector, 4 Pin Tyco, TB1	GlenTek P/N: E1086R04, Tyco P/N: 7-1437651-7 Four positions, #6-32 screw on 0.375 in. centers
Host Connector, J1	GlenTek P/N: E1381F04, Molex P/N: 22-01-3047
Host Connector Pins	GlenTek P/N: EH042280, Molex P/N: 08-55-0102

**Fuse Table**

Input Buss Fuse, F1	30A, 250VAC, MDA
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**Pot Adjustments**

Pot Adjustments	Factory Settings
RV1   Peak Current Limit	Set at maximum - Full CW
RV2   Loop Gain	Set at zero again (Full CCW), Turn full CW during installation
RV3   Compensation	Set at minimum bandwidth - Full CW, Final adjust during installation
RV4   Balance	Set at mid point, Final adjust during installation
RV6   Signal Input Gain	Set at 5V Signal = 7V Tach (± 10VDC Signal = ± 14V Tach)

**Power Input & Motor Output, TB1**

PIN	SIGNAL NAME
1	BUSS INPUT (+)
2	BUSS RETURN (-)
3	MOTOR (-)
4	MOTOR (+)

**NOTES:**

1. ALLOW 8.5 INCHES MIN. HEIGHT CLEARANCE.
2. NEVER GROUND THE OUTPUTS OF THE AMPLIFIERS.
3. USE SHIELDED CABLE FOR COMMAND SIGNAL.
4. RECOMMEND SIGNAL INPUTS & OUTPUTS WIRING: 22AWG (0.326 MM<sup>2</sup>) OR 24AWG (0.205 MM<sup>2</sup>).
5. RECOMMEND ALL POWER WIRING, 12AWG (3.31 MM<sup>2</sup>) OR LARGER, 105°C RATED PVC OR BETTER.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DIMENSIONS ARE AS FOLLOWS DECIMAL: .XX = ±0.01 ANGULAR: .XXX = ±0.005 FINISH: 125 / MAXIMUM APPROVAL: DATE	DWG BY: NTHALLA CHK BY: NTHALLA ANGULAR: < = ±0.05 FINISH: 125 / MAXIMUM APPROVAL: DATE	DATE: 01FEB14	DRAWING TITLE: INSTALLATION, SMAA4568
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GLENTEK 208 Standard Street El Segundo, CA 90245 USA 310.322.3026 FAX 310.322.7706 www.glenetek.com		DRAWING NUMBER: 7343-1	REV: C
CONFIGURATION CODE: -		FILE NAME: 7343-1-C.DWG	SHEET 1 OF 1