

-	B	UPDATED TO REFLECT CHANGES IN SUBASSEMBLY.	4009	09APR15	NTHALLA	L.P.
-	C	UPDATED TO USE NEW COVER	4279	08DEC17	NTHALLA	L.P.

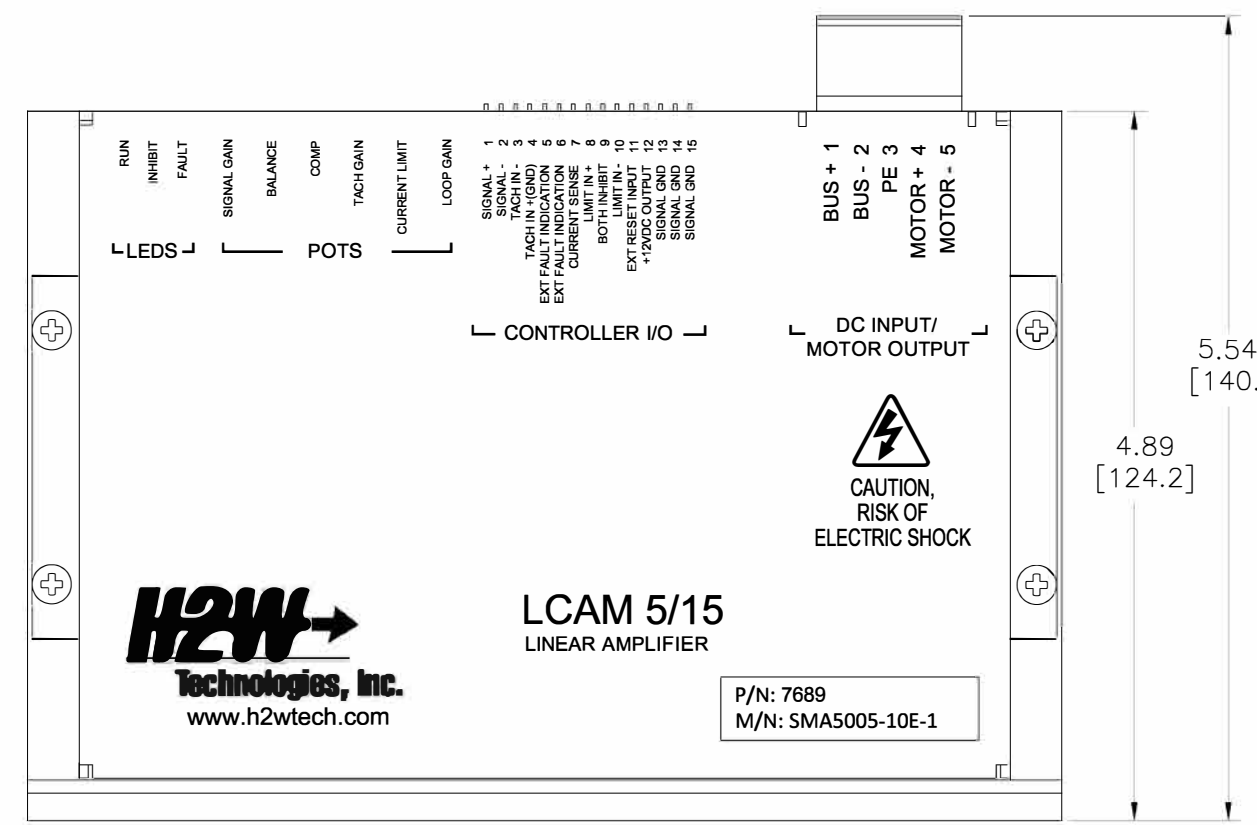
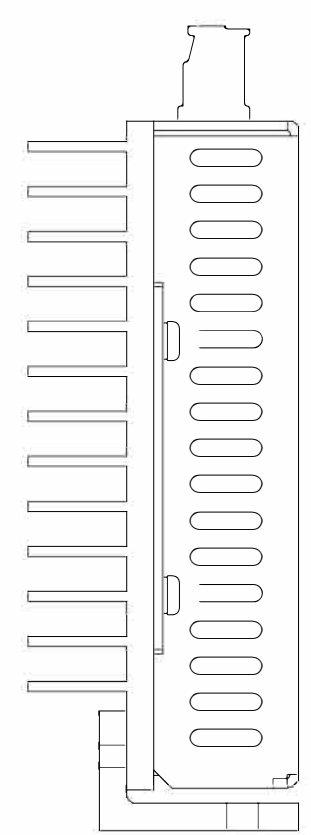
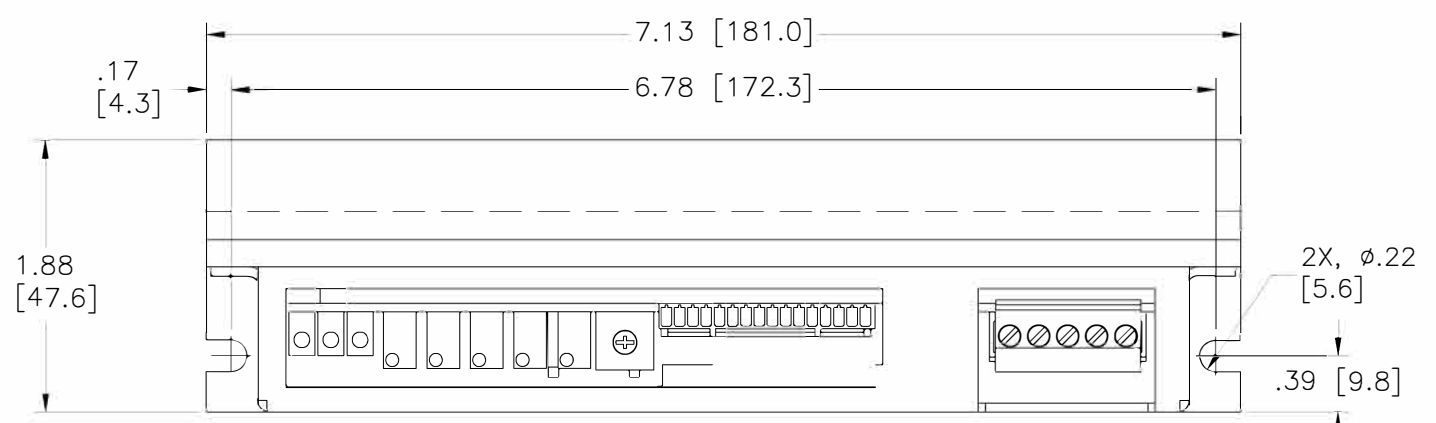
REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL RELEASE	3609	19MAR12	NTHALLA	J.M.

Specifications and Features	
DC BUS Input Voltage	24-75VDC max.
Peak Output Current	15 A @ 25°C Ambient (with forced air cooling)
Continuous Output Current	5.5 A @ 25°C Ambient (with forced air cooling)
Input Command Signal	±10 VDC (Max.), Single Ended/ Diff. (field configurable)
Input Command Signal Gain	Adjustable
Low Speed Electronic Circuit Breaker (LS/ECB)	Latches when current exceeds ±5.5 A for 800 millisecond
Amplifier Over temperature	Amplifier faults and is inhibited if the heat sink temperature reaches 75 °C
Green Run LED	Amplifier enabled, normal operating condition
Red Inhibit LED	Amplifier disabled, non-latched condition (External inhibited)
Red Fault LED	Amplifier over temperature or LS/ECB (Latched condition)
Internal Pull Up Level	Pulled up to +15VDC. (Pull up to +5VDC is available upon request).
Dedicated Fault Output	Optically Isolated. From the Controller I/O connector, Pin 5 is Collector, and Pin 6 is Emitter (Avago P/N: HCPL-181-000E). When no fault occurs, pin 5 will conduct current into pin 6. Maximum current through transistor is 50mA.
Operating Temperature	0 °C to +55 °C
Storage Temperature	-40 °C to +80 °C
Humidity	5% to 95% non-condensing

Mating Connectors		
DC Input / Motor Output	Phoenix P/N: 17 92 78 6	Yes
Controller I/O	Molex P/N: 22-12-2154-7478	Yes
Connector Crimp Terminal	Molex P/N: 08-55-0102	Yes

Fuse Table	
DC Input BUS Fuse (F2)	10A FAST, Bussman P/N: BK-AGC-10
Ground Fuse (F1)	1A FAST, Bussman P/N: BK-AGC-1

Check	Configuration & Pot Settings	
Amplifier Type	Current mode	
Signal Input	Single ended	
Inhibit	Pulled up active high - Type C	
+/- Limits	Pulled down active high - Type B	
External Reset	Pulled down active high - Type B	
Signal Gain Pot (RV1)	1Vsig = 1.5A output current	
Balance Pot (RV2)	Set	
Compensation Pot (RV3)	Full CCW (Max bandwidth)	
Tachometer Gain Pot (RV4)	Full CCW (Not used)	
Peak Current Limit (RV5)	Full CW (15A)	
Loop Gain (RV7)	CCW (open loop)	
Date:	Tech:	



NOTE:
1. PLEASE MAINTAIN A MIN. OF 2" - 3" OF SPACE AT BOTH ENDS AND TOP OF THE AMPLIFIER TO ENSURE PROPER VENTILATION FOR THE UNIT.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVAL	DATE	DRAWING TITLE		
TOLERANCES ARE AS FOLLOWS: DECIMAL: .XX = ±0.01 .XXX = ±0.005 ANGULAR: < = ±0.5°	DWN BY: NTHALLA CHK BY: C.V.	19MAR12 19MAR12	INSTALLATION, LCAM 5/15 SERVO AMPLIFIER		
FINISH: 125 / MAXIMUM	APP BY: J.M.	19MAR12	SIZE C	MODEL SMA5005-1	DRAWING NUMBER 7234-1
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			SHEET 1 OF 1		
CONFIGURATION CODE: -					