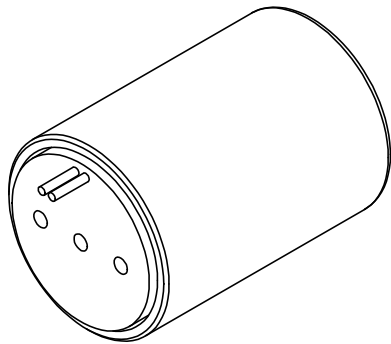
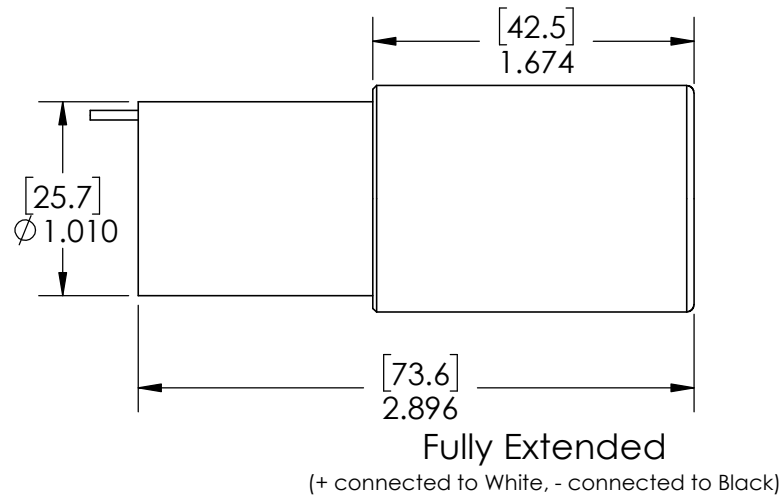
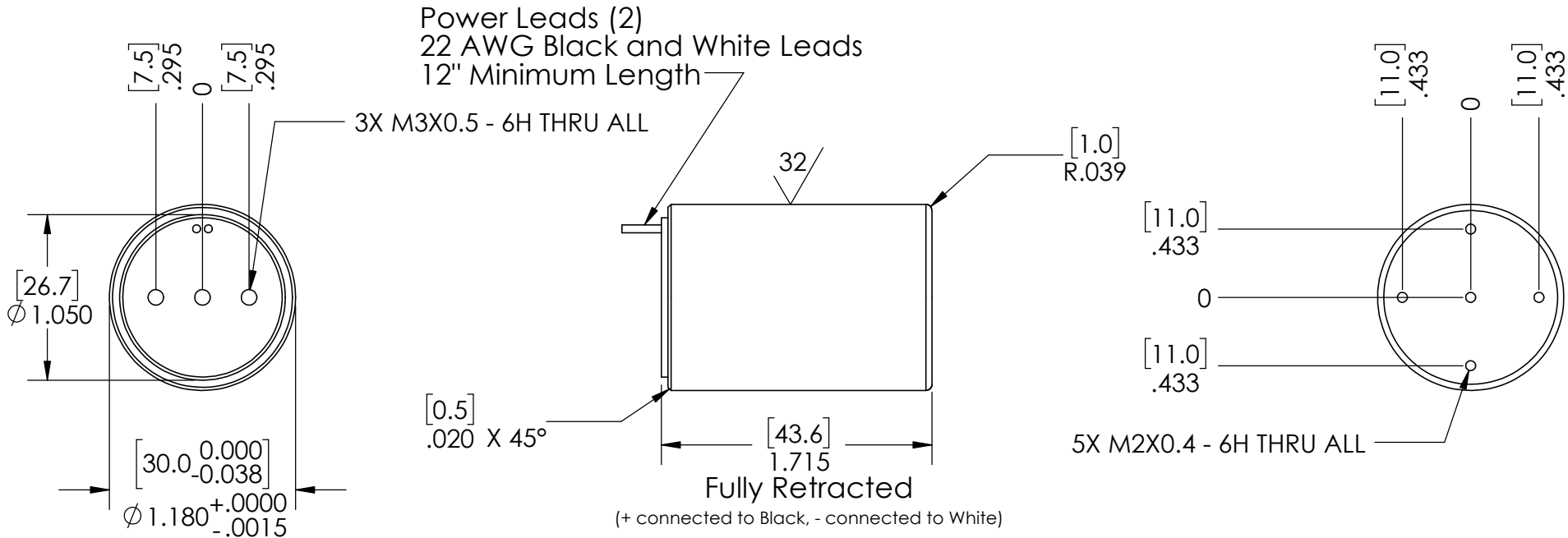


These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc. (www.h2wtech.com)

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	JRM	MPW	11-12-15
A	1732	Housing length increased, and lead exit moved from radial to axial	JRM	MPW	11-25-15



UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX ±.005 ANGLES ±1°
.XX ±.010 FILLETS .010
X ±.020 CORNERS .010
Remove All Burs and Sharp Edges

MATERIAL		DATE		APPROVED	
FINISH		JRM	11-12-15	MPW	11-12-15

H2W Technologies, Inc.
26380 Ferry Court Santa Clarita, CA 91350 USA
Tel: (661) 291-1620 Fax: (661) 291-1626
www.h2wtech.com

Non-Commutated DC Linear Actuator
Model# NCC12-12-010-1X

TITLE	DWG #	REV	SHEET
	30-1220	A	1 of 2

NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC12-12-010-1X	
Device Type	Moving Coil	
Stroke	1.18 in	30.0 mm
Radial Clearance	0.015 in	0.38 mm
Bearing Type	None Provided	
Moving Mass (Coil)	0.10 lbs	47 grams
Total Mass	0.40 lbs	183 grams
Resistance @ 20C	8.7 ohms	
Inductance @ 20C	2.8 mH	
Electrical Time Constant	0.32 msec	
Motor Constant	0.46 lbs/sqrt(watt)	2.0 N/sqrt(watt)
Force Constant	1.4 lbs/amp	6.0 N/amp
Back EMF	0.15 V/ips	6.0 V/m/sec
Force @ 100% Duty	1.5 lbs	6.5 N
Power @ 100% Duty	10.0 watts	
Current @ 100% Duty	1.1 amps	
Force @ 10% Duty	4.4 lbs	19.4 N
Power @ 10% Duty	89 watts	
Current @ 10% Duty	3.2 amps	
Force @ 5% Duty	7.0 lbs	31.2 N
Power @ 5% Duty	244 watts	
Current @ 5% Duty	5.2 amps	