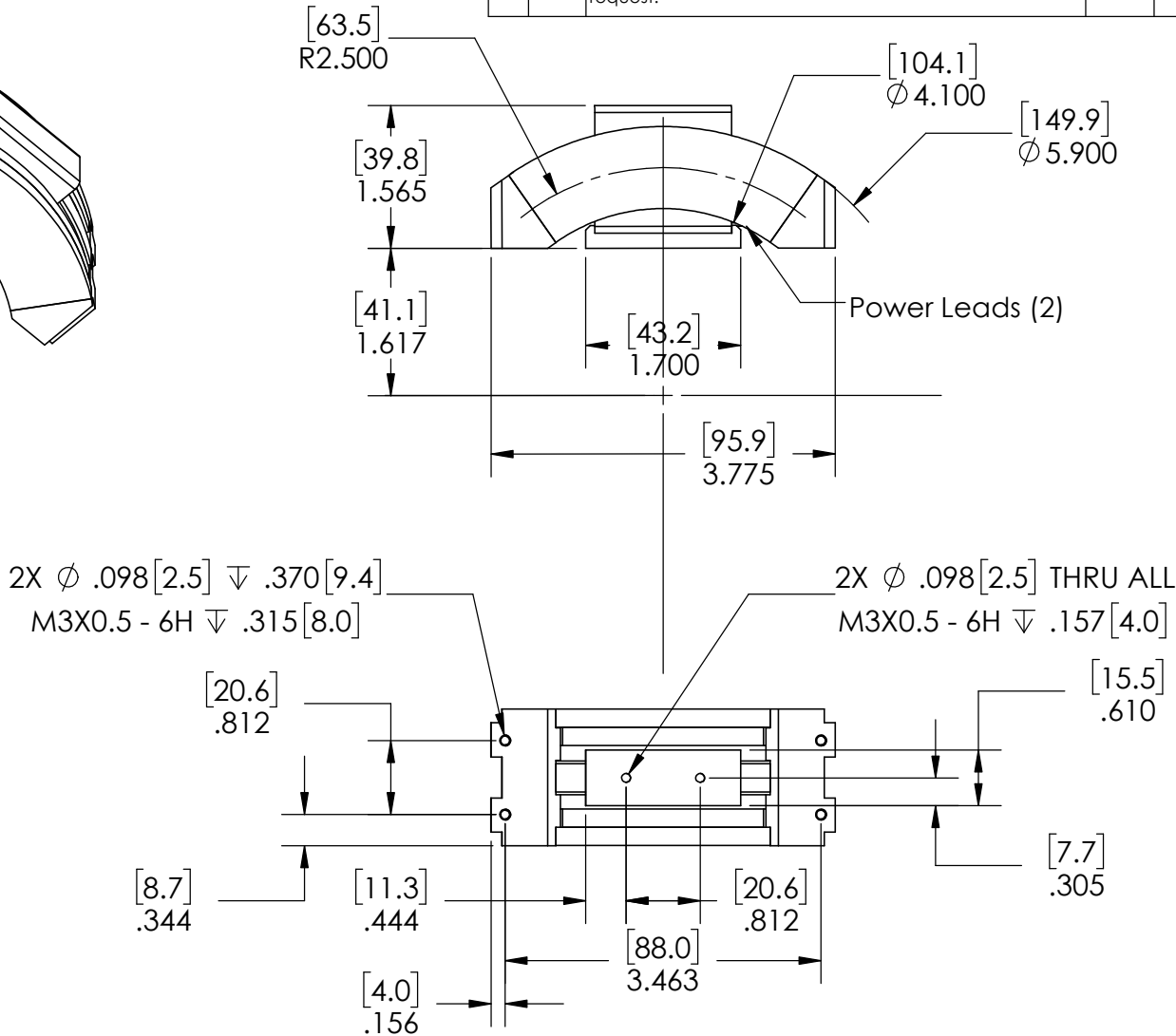
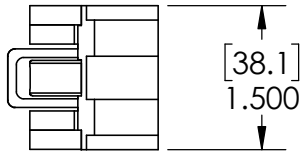
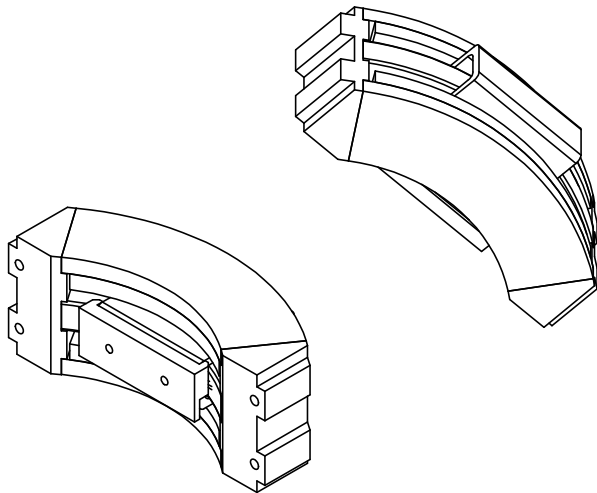


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
----	-----	Original Drawing	JRM	MPW	3-31-15
A	1730	Modified Part to meet customer requirements	JRM	MPW	7-8-15
B	1759	Modified mounting provisions for customer per their request.	JRM	MPW	8-3-16



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 Burrs and Sharp Edges

MATERIAL

FINISH

DRAWN
JR

DATE
3-31-

APPROVED
MPW

DATE
3-31-15



H2W Technologies, Inc.

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TITLE Limited Angle Torque Motor Model TWR-015-142-1RC

DWG # **80-0289**

REV	B
-----	----------

SHEET
1 of 2

LIMITED ANGLE TORQUE MOTOR SPECIFICATIONS		
Motor P/N	TWR-015-142-1RC	
Device Type	WR	
Stroke	15 degrees	0.26 radians
Housed with Bearings	No	
Coil Mass	2.0 oz	58 grams
Total Mass	20.3 oz	575 grams
Resistance @ 20C	8.5 ohms	
Motor Constant	52 in-oz/sqrt(watt)	36 N-cm/sqrt(watt)
Torque Constant	154 in-oz/amp	108 N-cm/amp
Torque @ 100% Duty	142 in-oz	100 N-cm
Power @ 100% Duty	8 watts	
Current @ 100% Duty	0.9 amps	
Torque @ 10% Duty	426 in-oz	300 N-cm
Power @ 10% Duty	67 watts	
Current @ 10% Duty	2.7 amps	
Torque @ 6.25% Duty	568 in-oz	400 N-cm
Max Power @ 6.25% Duty	120 watts	
Current @ 6.25% Duty	3.7 amps	

*Torque and displacement values assume an arm of 2.5 inches.