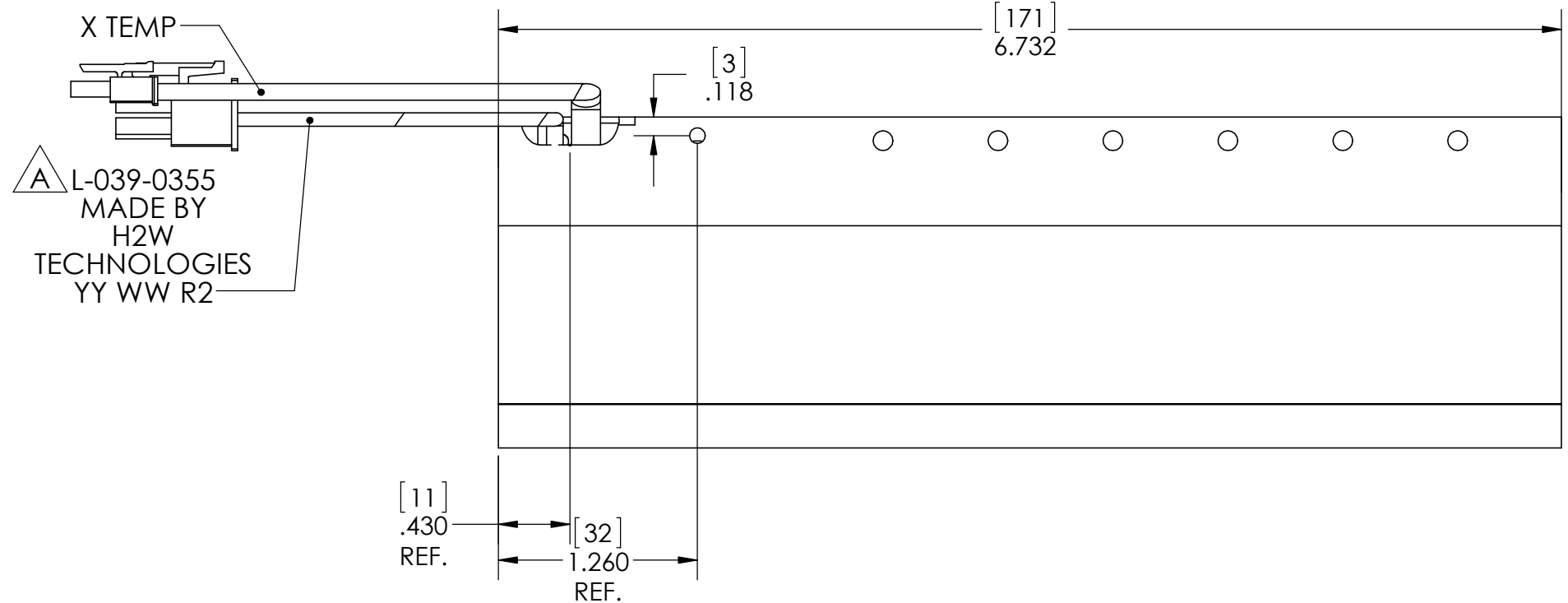
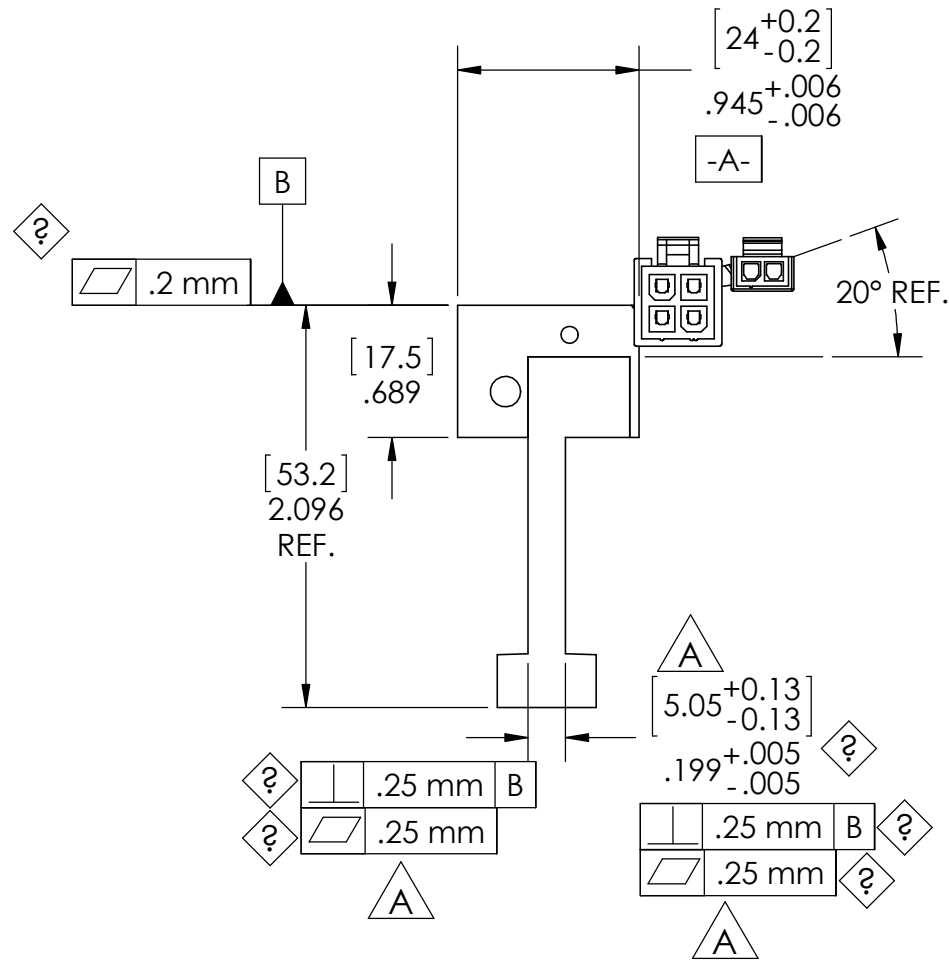
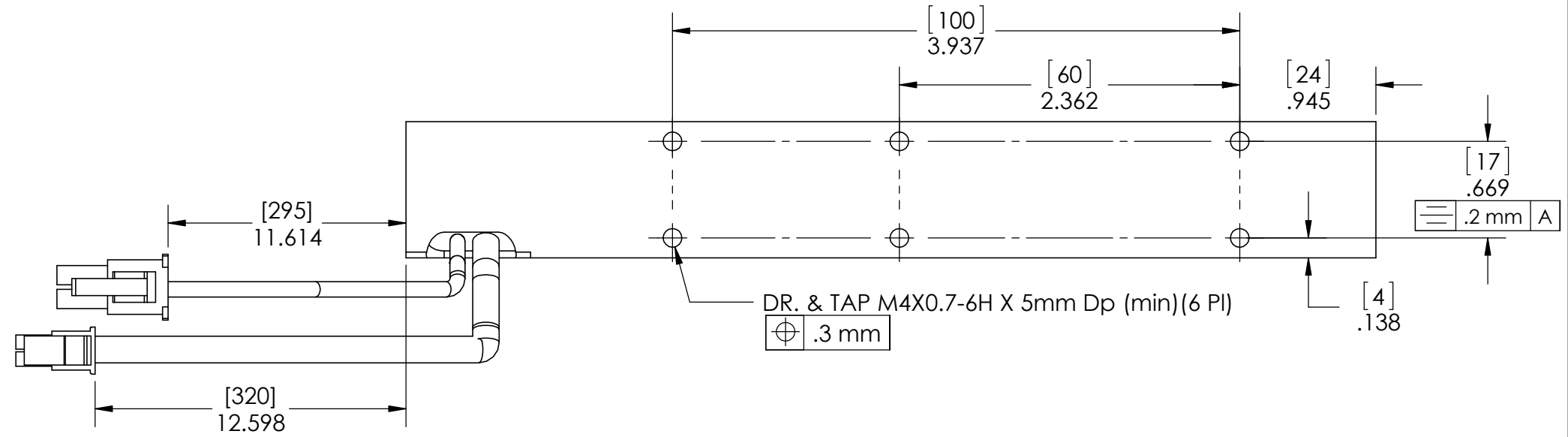


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	SDC	MPW	06-11-15



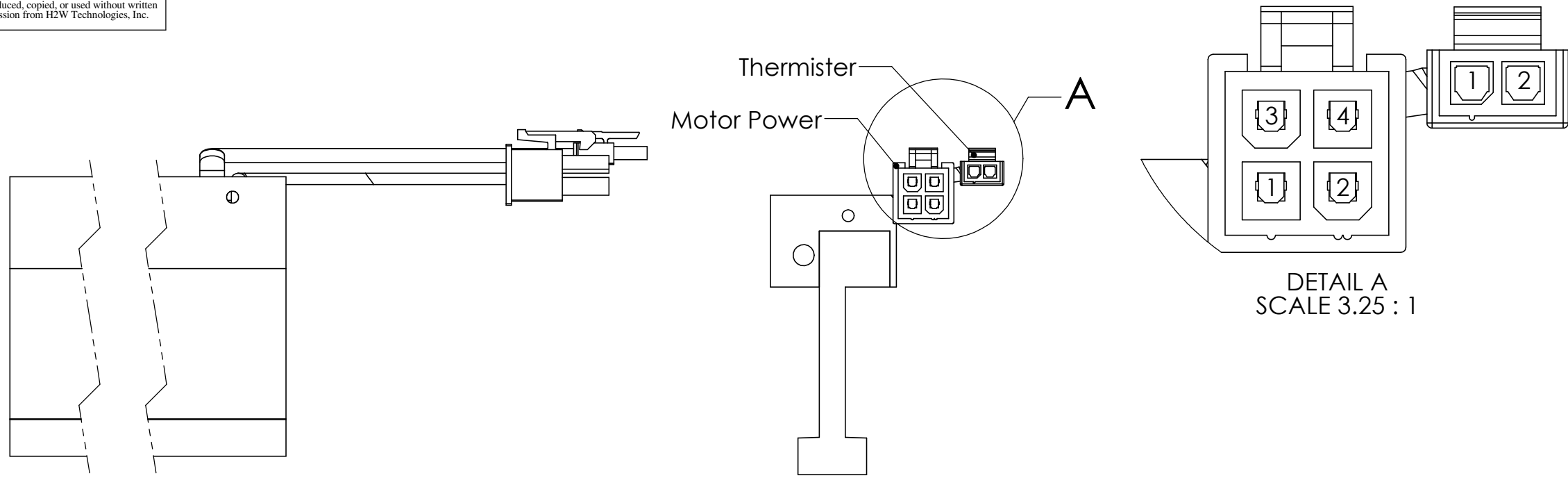
- NOTES:
1. ASSEMBLY REFERENCE DRAWING ONLY.
  2. SEE SECOND SHEET FOR CONNECTOR DETAIL.
  3. COIL MASS = 0.61 lbs.
  4. SEE BUS FOR MOTOR PARAMETER.

◇ - DENOTES CRITICAL DIMENSIONS

UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .X ±.020 CORNERS .010 Remove All Burrs and Sharp Edges				MATERIAL		FINISH		TITLE	
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET		1 of 3	
SDC	09-02-15	MPW	09-02-15	20-0250	---			Ironless Motor Coil Model #: BLDM-B12	

**H2W Technologies, Inc.**  
26380 Ferry Court Santa Clarita, CA 91350 USA  
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www.h2wtech.com

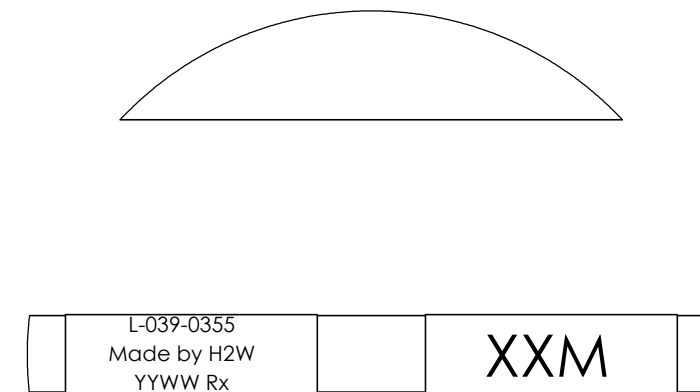
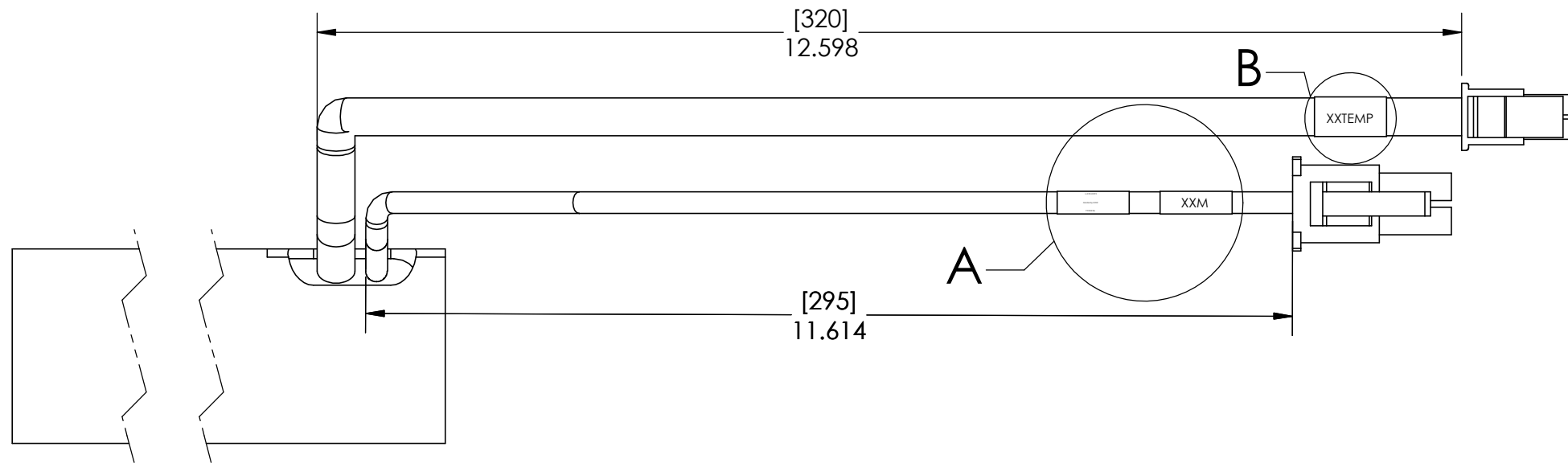
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Thermistor		
Pin	Function	Lead Color
1	Thermistor 1	Red
1	Thermistor 2	White

Motor Power		
Pin	Function	Lead Color
1	Phase A	Red
2	Phase B	White
4	Phase C	Black
4	Ground	Green

- NOTES:
1. CABLE - UL APPROVED.
  2. CONNECTOR VIEW FROM CONNECTION SIDE.
  3. YY & WW STAND FOR YEAR AND WORKWEEK OF MANUFACTURER.

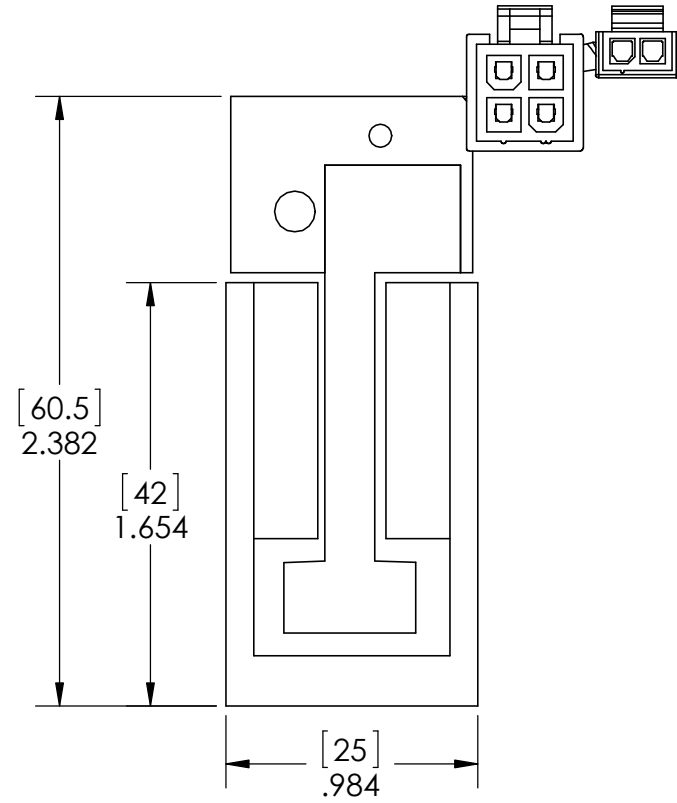


DETAIL A  
SCALE 3 : 0.8

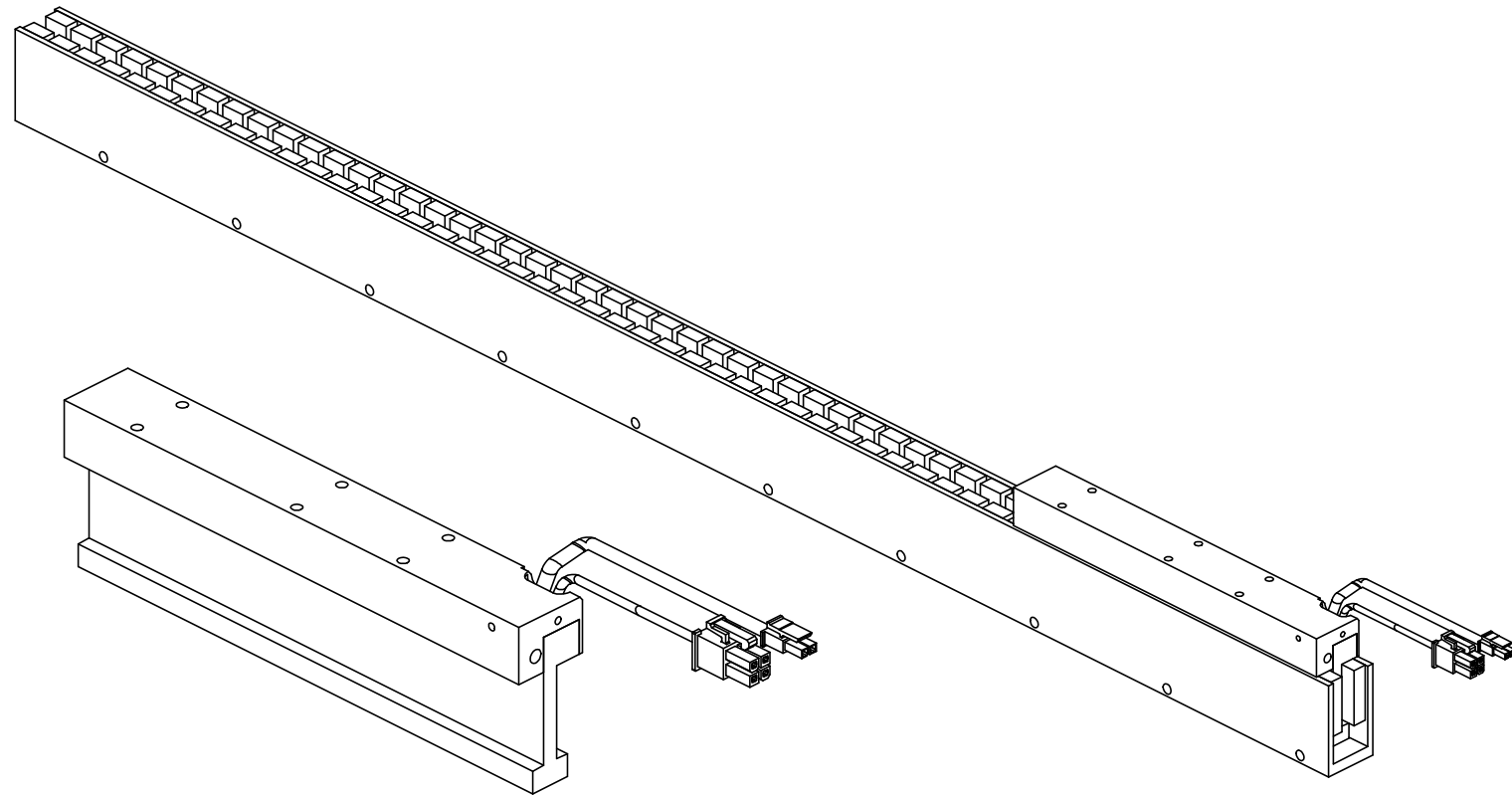


DETAIL B  
SCALE 2 : 0.75

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MOTOR COIL SHOWN WITH MAGNET TRACK (P/N: BLDT-B29)



### Motor Specifications BLDM-D12

General		
Continuous Force	lbs [N]	10.2 [45.6]
Continuous Current	Amps	1.6
Continuous Power	Watts	21.5
Peak Force @ 10% Duty	lbs [N]	30.7 [137]
Peak Current @ 10% Duty	Amps	4.8
Peak Power @ 10% Duty	Watts	194

Electrical		
Force Constant	lbs/Amp [N/Amp]	6.4 [28.5]
Back EMF	V/in/sec [V/m/sec]	0.72 [28.5]
Resistance	Ohms	8.4
Km Motor Constant	lbs/sqW [N/sqW]	2.21 [9.8]

Mechanical		
Electrical Cycle Length	in [mm]	1.12 [28.4]
Number of Poles	12	
Coil Assembly Length		
without Hall Sensor	in [mm]	6.7 [171]
Coil Assembly Weight	lbs [kg]	0.70 [0.32]