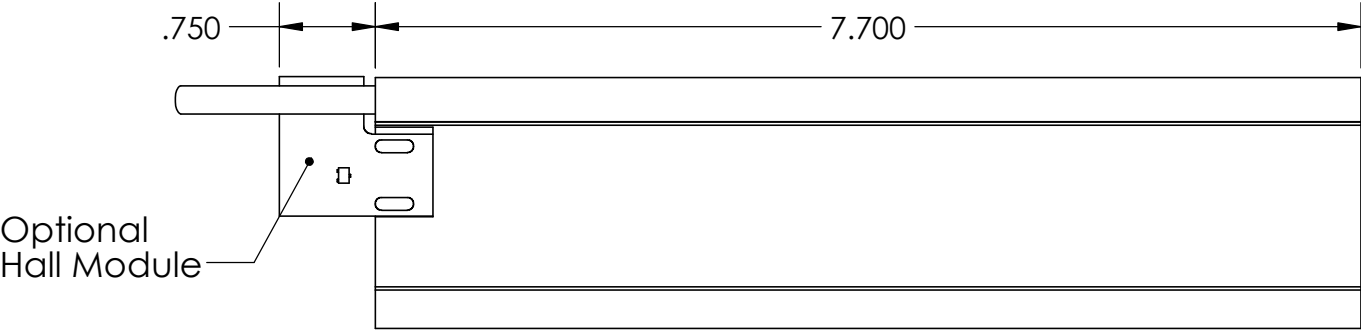
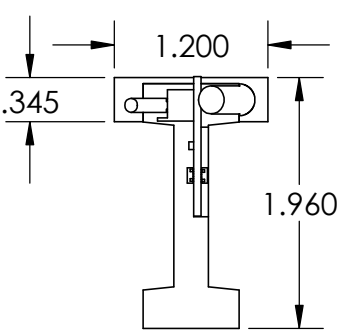
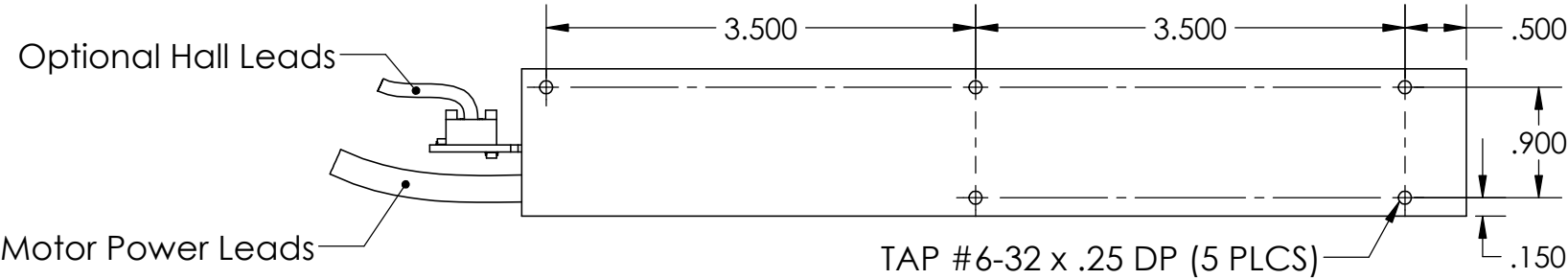


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	SDC	MPW	5/12/15



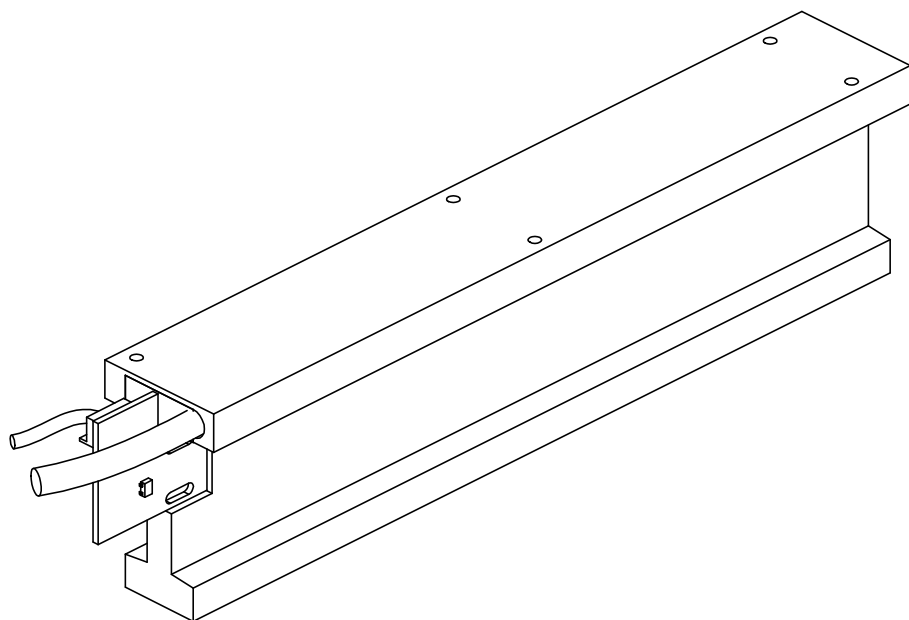
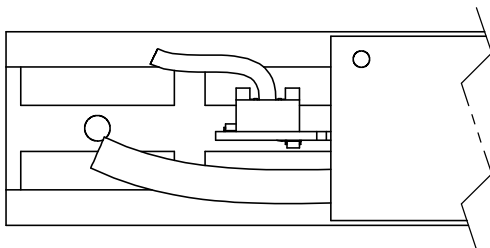
Standard Cable Length = 1 meter

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		TITLE	
				FINISH		Ironless Motor Coil Model #: BLDM-C06	
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET	
SDC	05/12/15	MPW	05/12/15	20-0217	---	1 of 3	

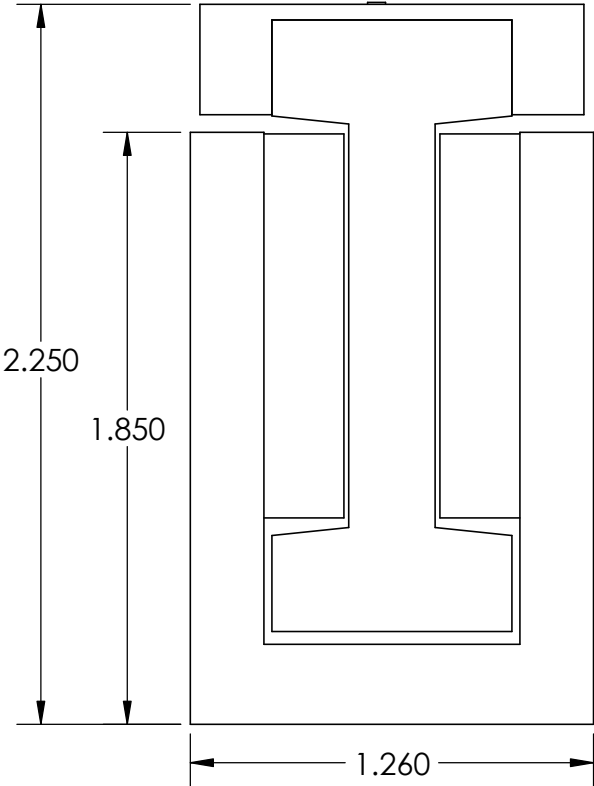


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OPTIONAL HALL MODULE MUST BE IN
MAGNET TRACK FOR COMMUTATION



MOTOR COIL SHOWN
WITH MAGNET TRACK



TITLE			
Ironless Motor Coil Model #: BLDM-C06			
DWG #	20-0217	REV	---
		SHEET	2 of 3

Motor Specifications BLDM-C06		
General		
Continuous Force	lbs [N]	19.5 [87]
Continuous Current	Amps	1.9
Continuous Power	Watts	74.3
Peak Force @ 10% Duty	lbs [N]	58 [260]
Peak Current @ 10% Duty	Amps	5.7
Peak Power @ 10% Duty	Watts	668.7
Electrical		
Force Constant	lbs/Amp [N/Amp]	10.3 [45.6]
Back EMF	V/in/sec [V/m/sec]	1.16 [45.6]
Resistance	Ohms	15.9
Inductance	mH	15.9
Electrical Time Constant	msec	1
Km Motor Constant	lbs/sqW [N/sqW]	2.6 [11.5]
Mechanical		
Electrical Cycle Length	in [mm]	2.4 [60.96]
Number of Poles	6	
Coil Assembly Length		
with Hall Sensor	in [mm]	8.5 [215.9]
without Hall Sensor	in [mm]	7.7 [195.6]
Coil Assembly Weight	lbs [kg]	1.25 [0.57]
Magnet Track Weight	lbs/in [kg/m]	0.45 [8.05]

Wiring	
Motor	
Phase A	White/Red Stripe
Phase B	White
Phase C	White/Black Stripe
Ground	White/Green Stripe
Thermostat 1	Blue
Thermostat 2	Orange
Hall Effect	
Hall A	White
Hall B	Red
Hall C	Black
Hall Ground	Green
Hall Power (+5-24VDC)	Brown, Orange, Violet, Yellow

TITLE Ironless Motor Coil Model #: BLDM-C06			
DWG #	20-0217	REV	---
		SHEET	3 of 3