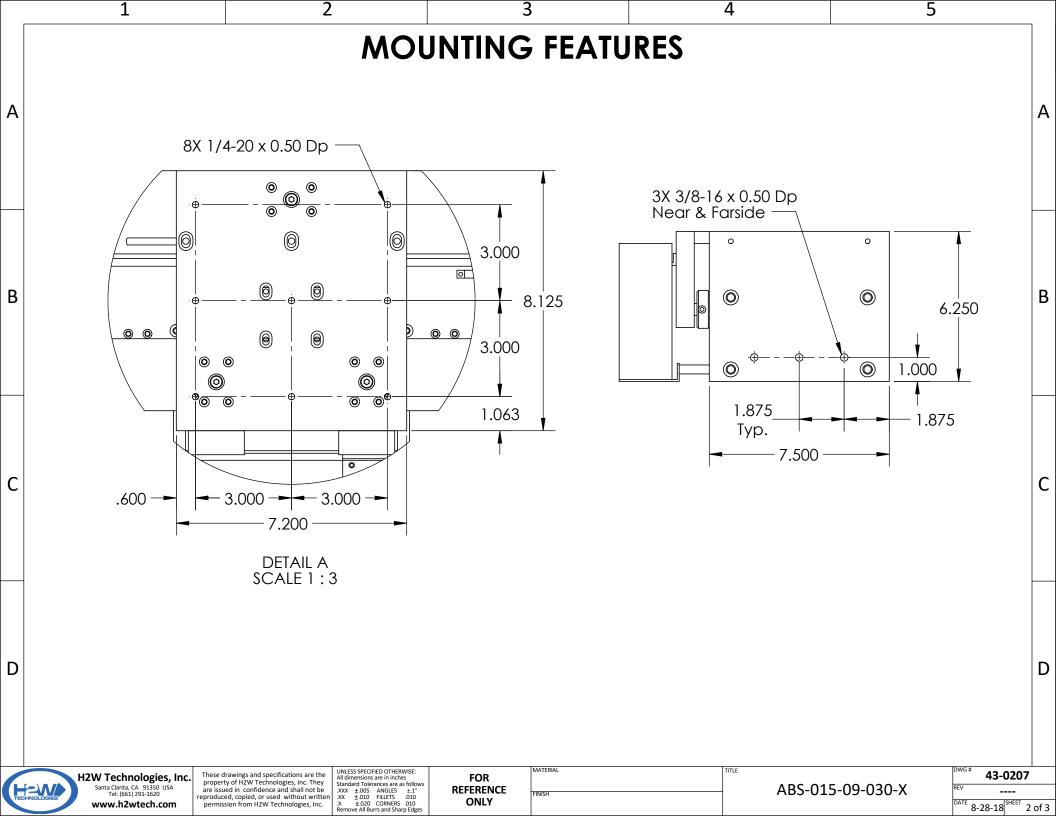
	1	2	3		4	4		5		
A			A		REV ECN# Original Dra	DESCRIPTION		REV BY APPROVE	D DATE 8-28-18	A
В										В
С			0 0 0 0	•			° © ° ° ©	6.250		С
D		25.250				11.25				D
H	Santa Clanta, CA 91550 USA are iss	drawings and specifications are the srty of H2W Technologies, Inc. They sued in confidence and shall not be sed, copied, or used without written ission from H2W Technologies, Inc. UNESS SPECIFED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows XOX ±005 ANGLES ±.1* 4±000 FILLETS 0.10 X ±010 FILLETS 0.10 X ±020 CONNERS.010	FOR REFERENCE ONLY	MATERIAL	T	ABS-01	5-09-030-X	DWG # REV DATE 8-	43-0207 28-18 ^{SHEET} 1	



1	2	3	4	5			
		SINGLE RAIL POS	SINGLE RAIL POSITIONING STAGE SPECIFICATIONS				
		Motor P/N	BLDM	A			
		Stroke	15.2 in	386 mm			
		Encoder Resolution	1 mie	cron			
		Bearing Type	Air Be	aring			
		Moving Mass	6.5 lbs	3.0 kg			
		Total Mass	96.0 lbs	43.5 kg			
		Resistance @ 20C	27.3 ohms				
		Inductance @ 20C	48.3	mH			
		Electrical Time Constant	1.3 m	nsec	B		
		Motor Constant	3.2 LBS/SQRT(Watt)	14.2 N/SQRT(Watt)			
		Force Constant	16.7 LBS/Amp	74.4 N/Amp			
~~	A A A A A A A A A A A A A A A A A A A	Back EMF	1.9 V/ips	47.4 V/m/sec			
	· · · · · · · · · · · · · · · · · · ·	Force @ 100% Duty	24.8 lbs	110 N			
		Power @ 100% Duty	77.6 v	vatts			
		Current @ 100% Duty	1.5 a	mps			
		Force @ 10% Duty	74.5 lbs	331 N	C		
		Power @ 10% Duty	698 w	vatts			
		Current @ 10% Duty	4.4 a	mps			
		Stage Length	25.25 in	641.4 mm			
		Stage Width	11.25 in	285.8 mm			
		Stage Height	6.25 in	158.8 mm			
					D		
			SINGLE RAIL PO Motor P/N Stroke Encoder Resolution Bearing Type Moving Mass Total Mass Resistance @ 20C Inductance @ 20C Electrical Time Constant Motor Constant Force Constant Back EMF Force @ 100% Duty Power @ 100% Duty Force @ 10% Duty Force @ 10% Duty Current @ 10% Duty Current @ 10% Duty Stage Length Stage Width Stage Width Stage Height	SINGLE RAIL POSITIONING STAGE SPEC Motor P/N BLDM Stroke 15.2 in Encoder Resolution 1 min Bearing Type Air Be Moving Mass 6.5 lbs Total Mass 96.0 lbs Resistance @ 20C 27.3 c Inductance @ 20C 48.3 Electrical Time Constant 1.3 m Motor Constant 3.2 LBS/SQRT(Watt) Force @ 100% Duty 24.8 lbs Power @ 100% Duty 74.5 lbs Power @ 10% Duty 74.5 lbs Power @ 10% Duty 698 w Current @ 10% Duty 4.4 a Stage Length 25.25 in Stage Length 25.25 in Stage Height 6.25 in	SINGLE RAIL POSITIONING STAGE SPECIFICATIONS Motor P/N BLDM-D06 Stroke 15.2 in 386 mm Encoder Resolution 1 micron Bearing Type Air Bearing Moving Mass 6.5 lbs 3.0 kg Total Mass 96.0 lbs 43.5 kg Resistance @ 20C 27.3 ohms Inductance @ 20C Inductance @ 20C 48.3 mH Electrical Time Constant 1.3 msec Motor Constant 3.2 LBS/SQRT(Watt) 14.2 N/SQRT(Watt) Force @ 100% Duty 24.8 lbs 110 N Power @ 100% Duty 77.6 watts Current @ 100% Duty 1.5 amps Force @ 10% Duty 74.4 N/Amp Stage Length 25.25 in 641.4 mm Stage Length 25.25 in 641.4 mm Stage Length 25.25 in 641.4 mm Stage Height 6.25 in 158.8 mm		

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UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows XXX ±0.05 ANGLES ±.1* XX ±0.10 FILLETS .010 X ±0.20 CORNERS .010 Remove All Burrs and Sharp Edges

FOR REFERENCE ONLY

FINISH

MATERIAL

ABS-015-09-030-X

TITLE

