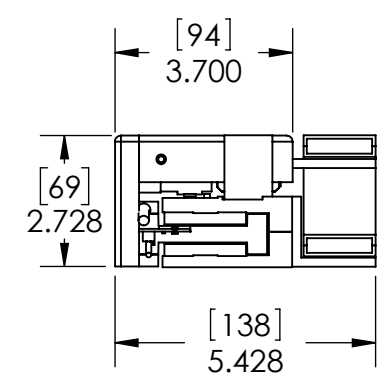
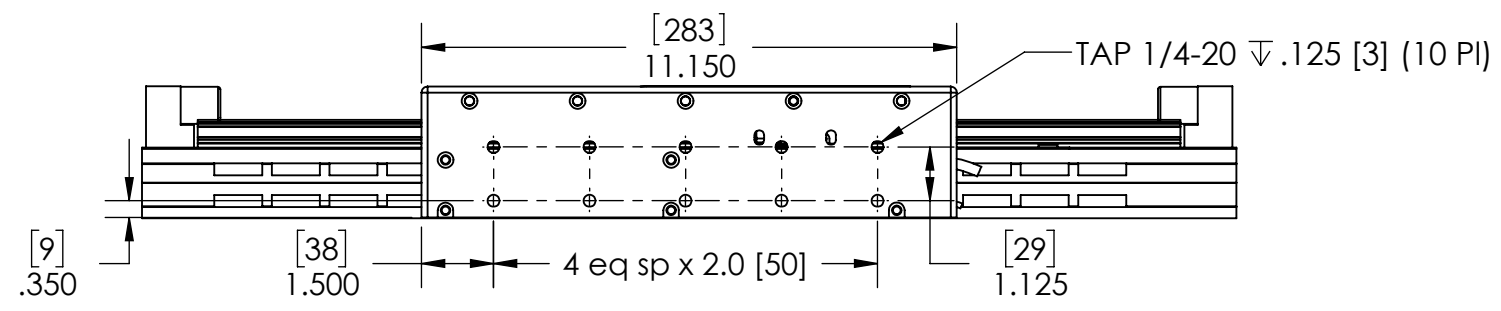
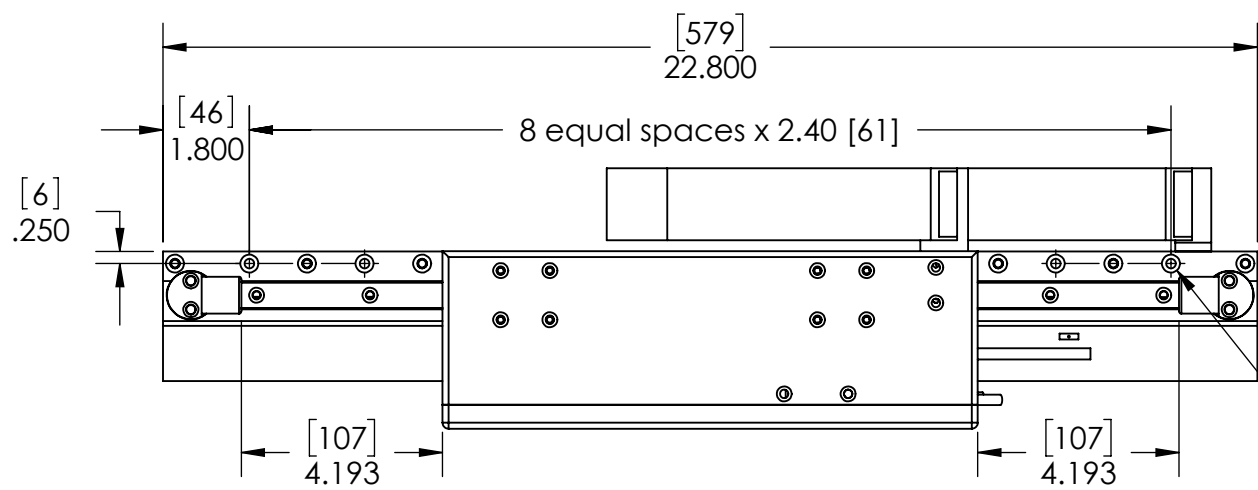


REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	----	---	---	---
A	---	----	OOG	MPW	10-6-05
B	1940	Changed mtg hole dimension from .125" to 1.125". Updated sheet format.	SDC	MPW	3-31-17



1

2

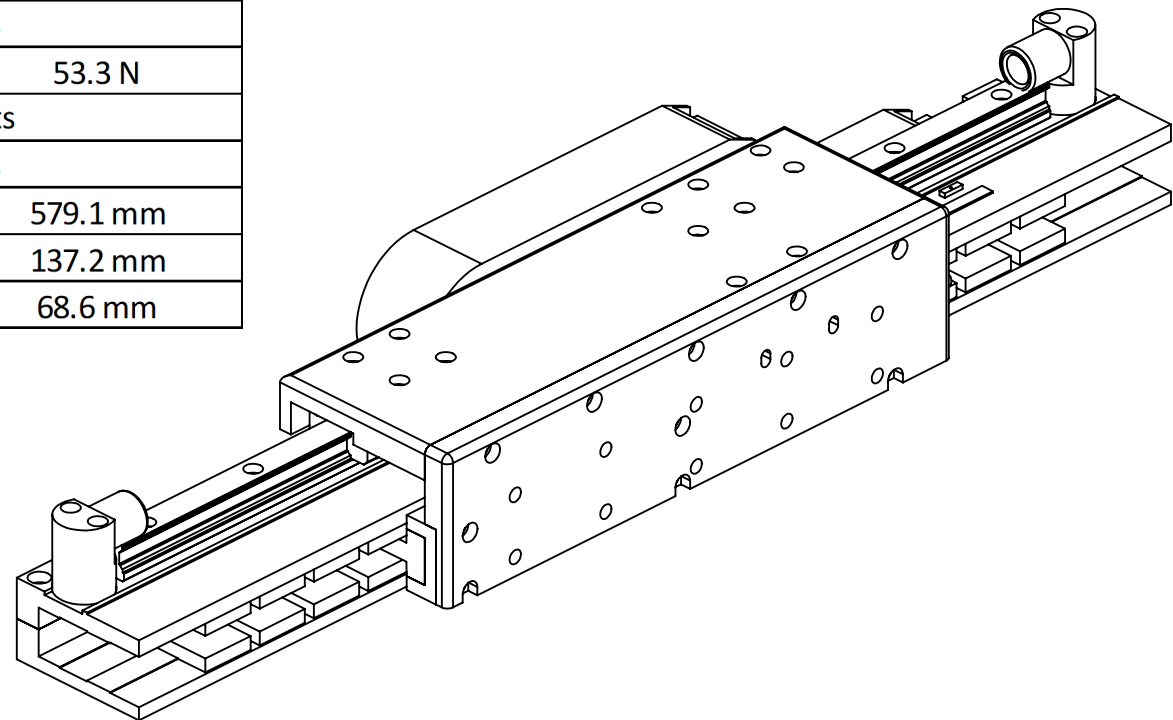
3

4

5

Single RAIL POSITIONING STAGE SPECIFICATIONS

Motor P/N	BLDM-08	
Stroke	8.4 in	213.4 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	4.75 lbs	2100 g
Total Mass	23 lbs	10200 g
Resistance @ 20C	16.1 ohms	
Inductance @ 20C	12.0 mH	
Electrical Time Constant	0.7 msec	
Motor Constant	3.00 LBS/SQRT(Watt)	13.34 N/SQRT(Watt)
Force Constant	12.3 LBS/Amp	54.7 N/Amp
Back EMF	1.60 V/ips	63.0 V/m/sec
Force @ 100% Duty	40.0 lbs	17.8 N
Power @ 100% Duty	179 watts	
Current @ 100% Duty	3.3 amps	
Force @ 10% Duty	120 lbs	53.3 N
Power @ 10% Duty	1161 watts	
Current @ 10% Duty	9.9 amps	
Stage Length	22.8 in	579.1 mm
Stage Width	5.4 in	137.2 mm
Stage Height	2.7 in	68.6 mm



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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

**FOR
REFERENCE
ONLY**

MATERIAL

FINISH

TITLE

Single Rail Positioning Stage
 Model #: SRS-008-04-040-A

DWG # **40-0120**REV **B**

DATE 3-31-17 SHEET 2 of 2