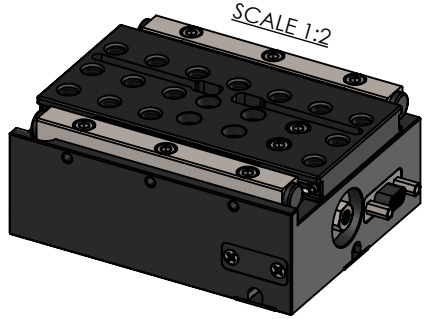
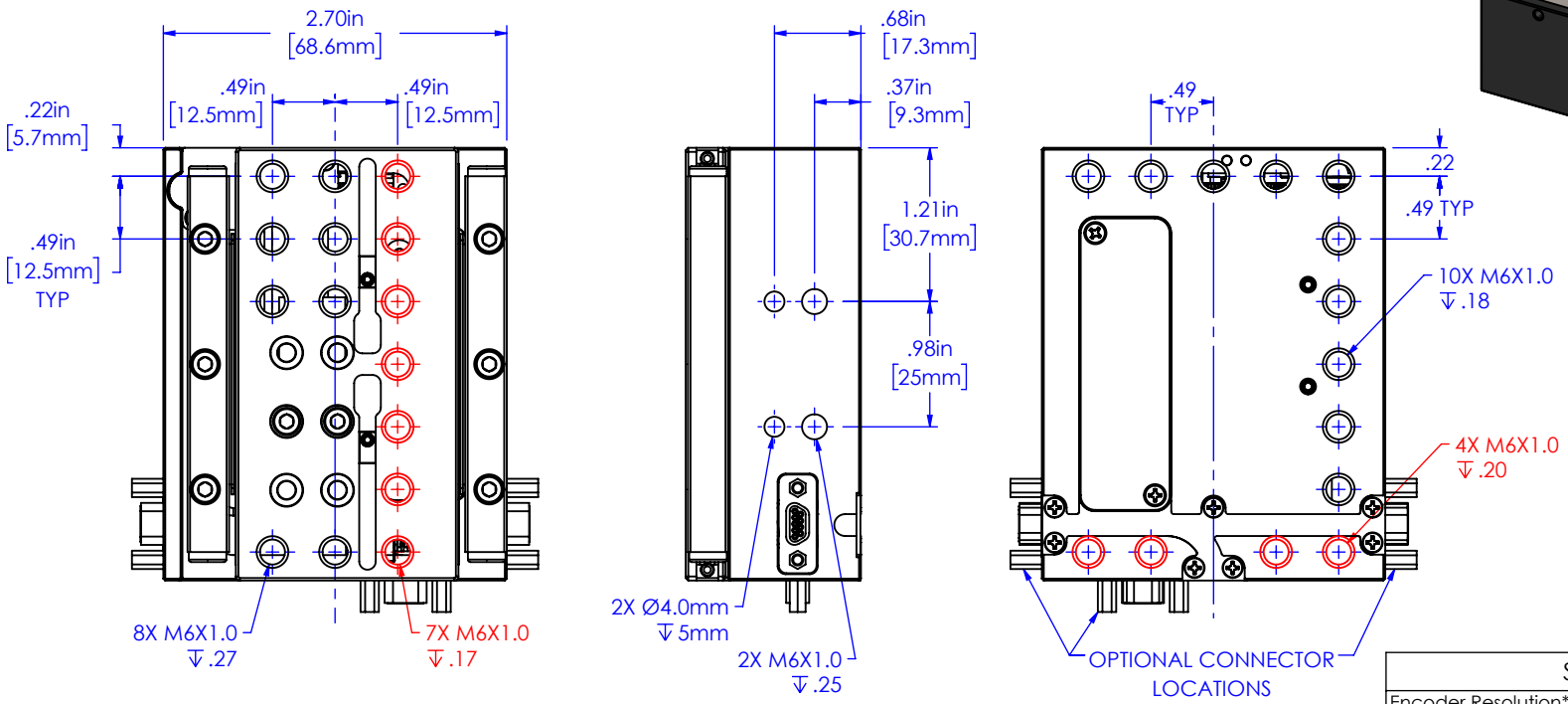
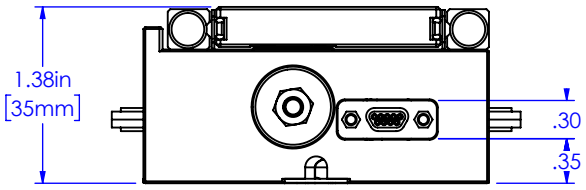
LS-25LE







ENCODER OPTIONS	
LS-25	Rotary Encoders ONLY
LS-25-HE	Heidenhain
LS-25-ME	Micro-E / Celera

LEAD SCREW OPTIONS		
Lead Screw Pitch	Rotary Encoder Resolution	Maximum Speed
25.40 mm (Ultra-coarse)	88 nm	28 mm/sec
12.70 mm (Super-coarse)	44 nm	14 mm/sec
6.35 mm (Standard)	22 nm	7 mm/sec
1.59 mm (Fine)	5.5 nm	1.75 mm/sec
0.635 mm (Extra-fine)	2.2 nm	0.7 mm/sec

SPECIFICATIONS	
Encoder Resolution*	5.0 nm
With Linear Encoder	10 nm
RMS Repeatability (Typical)*	< 0.7 µm
With Linear Encoder (Typical)	200 nm
Leadscrew Accuracy	0.25 µm/mm
With Linear Encoder	± 3 µm/length scale
Maximum Velocity*	1.60 mm/sec
Range of Travel	25 mm (1")
Length	86 mm (3.4")
With Connector**	137 mm (5.4")
With RA Connector**	—
Width	68.5 mm (2.7")
With Connector**	120 mm (4.7")
With RA Connector**	—
Height	35.5 mm (1.4")
Weight	.5 kg (1 lbs)

* With 1.59 mm pitch (16 TPI) Leadscrew
* * May vary per available plug dimensions
† with high-speed motor/gearhead configuration

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UNLESS OTHERWISE SPECIFIED
.xx ± .01
.xxx ± .005
.xxxx ± .0002
FRACTIONS ± 1/32
ANGLES ± 1°

DESCRIPTION
LINEAR STAGE
- 25mm TRAVEL
- LINEAR ENCODER COMPATIBLE

DRAWN BY/DATE	CHECKED BY/DATE	SCALE	REV	MATERIAL	DRAWING #
A. ARMSTRONG - 8/3/2018	V. MARSO - 8/4/2018	1:1.5	0	-	LS-25LE - CATALOG DRAWING.SLDDRW