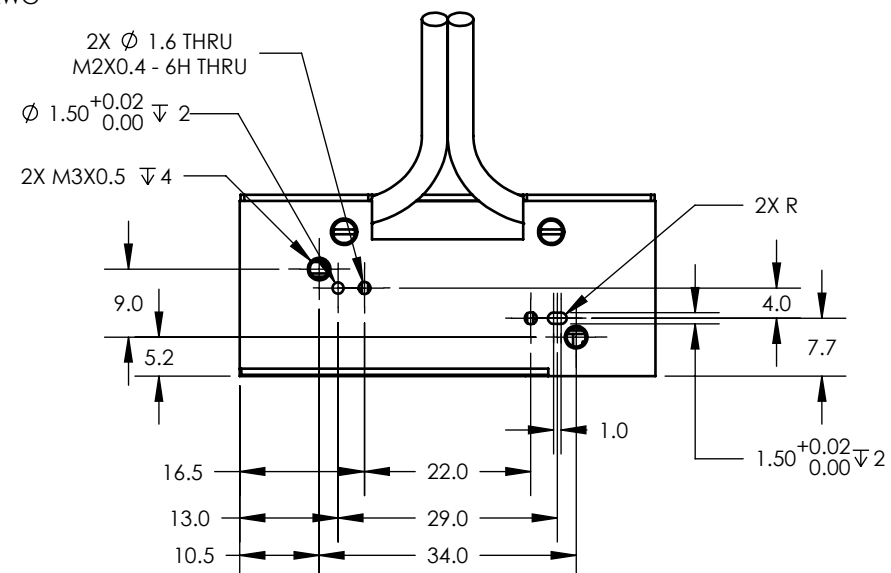
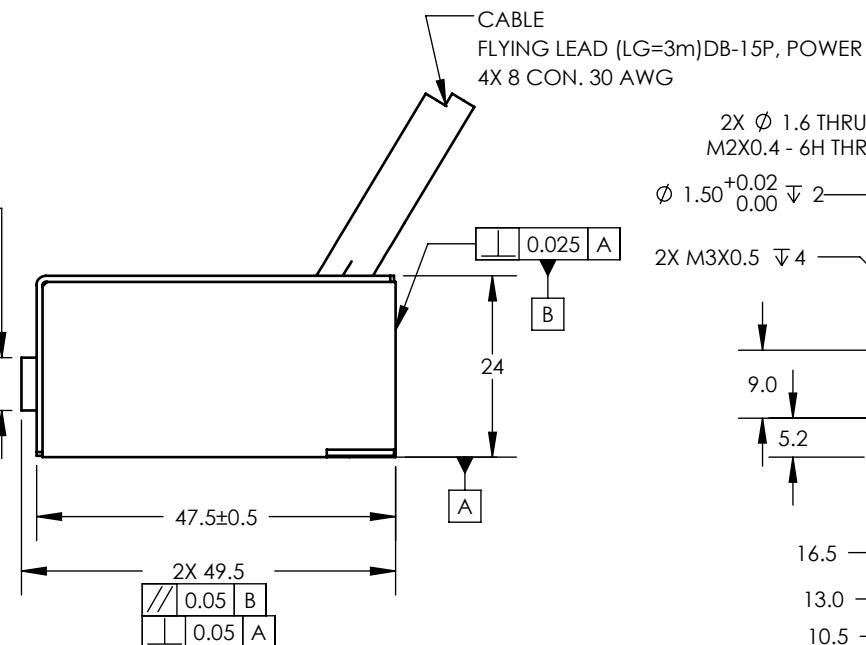
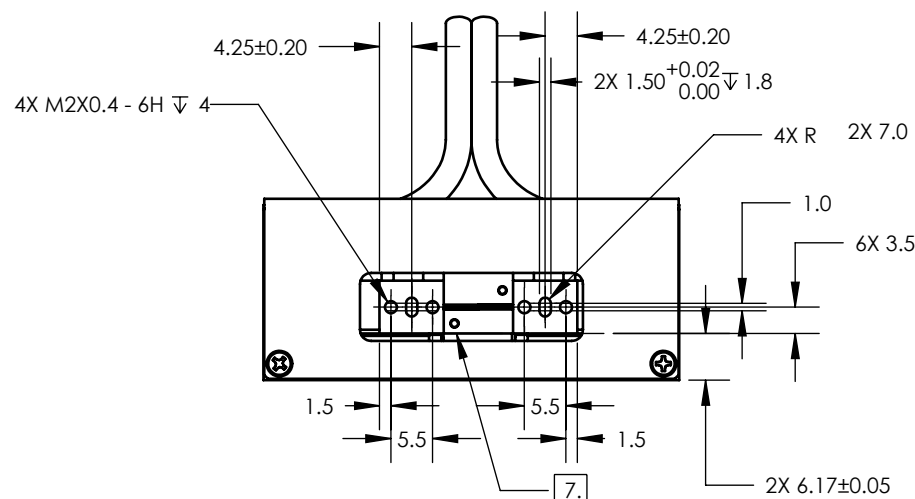
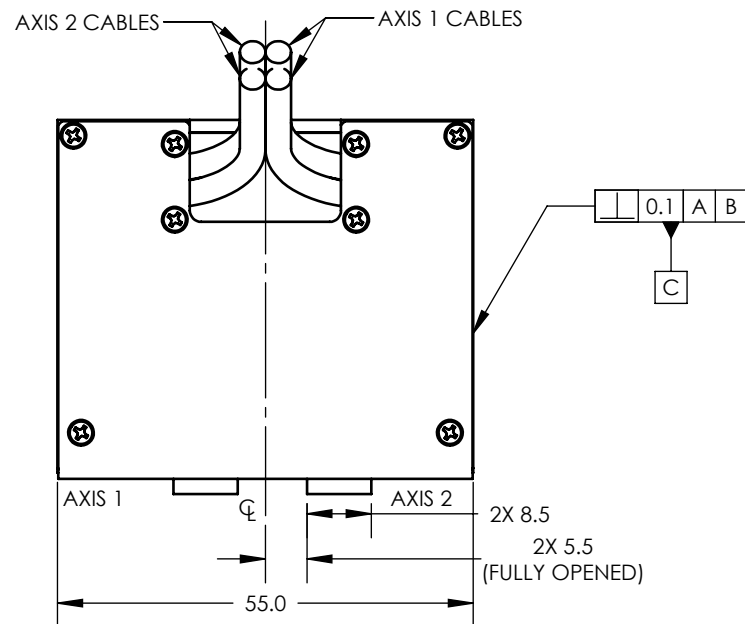


NOTES (UNLESS OTHERWISE SPECIFIED)

- LINEAR SPECIFICATIONS:
 LINEAR STROKE: 10 mm (5 mm EACH)
 ENC. RESOLUTION(+A/-A;+B/-B): 1 μ m
 ENCODER REPEATABILITY: ± 4 COUNTS
 OPERATING VOLTAGE: 24 Vdc
 RESISTANCE: 70.0 \pm 5 % Ohm (WITH FLYING LEAD CABLE)
 MAXIMUM CURRENT: 0.35 A
 PEAK FORCE: 3.8 N @ 24Vdc
 FORCE CONSTANT: 10.9 N/A
 CONTINUOUS FORCE: 1.1 N @0.125 A
 MOVING MASS: 9 g
 TOTAL MASS: 170 g (W/O CABLE, PIGTAIL CABLE 430g)
- VACUUM OPTION: N/A
- SPRING OPTION: N/A
- OPERATING TEMPERATURE: 0°C TO 40°C
- TOLERANCES
 X.: ± 0.5
 X.X: 0.25
- WIRE COLOR: WIRE COLOR IN 8 CONDUCTOR CABLE
- LUBRICATION: CLEAN ROOM GREASE, IKO# CGL.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	APPROVED
A	-	DESIGN IN PROCESS	8/26/2019	TW
B	6967	INITIAL RELEASE	11/14/2019	TW



1X DB-26P

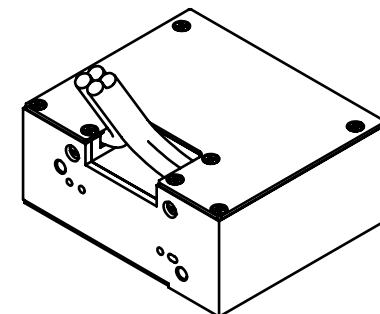
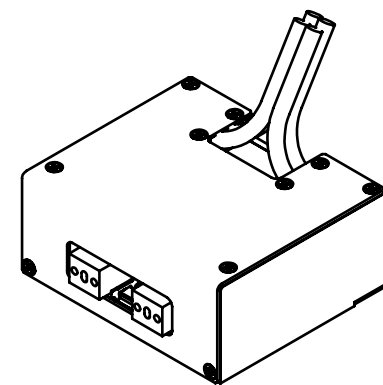
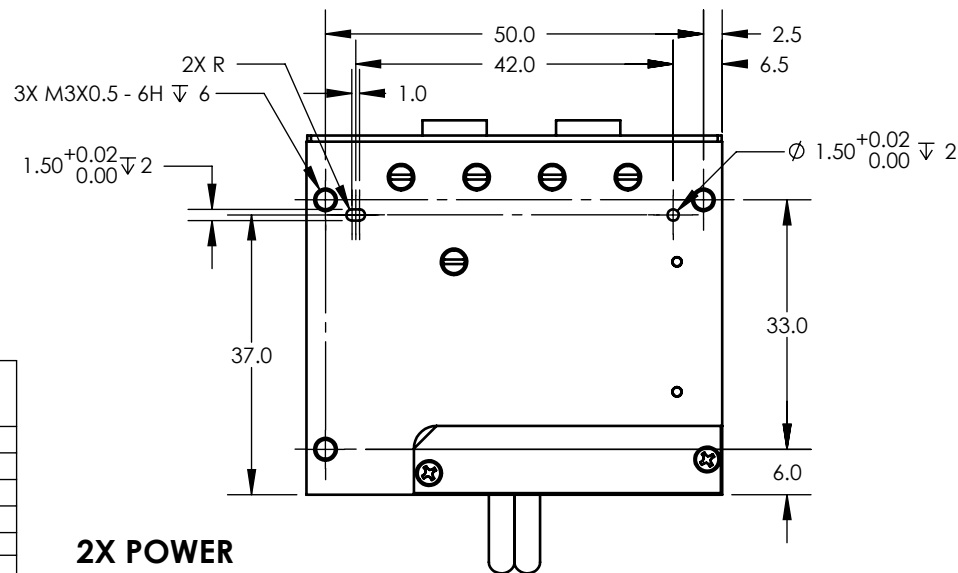
PIN No	DB-26P
1	(AXIS 1) PH. A+
2	(AXIS 1) PH. B+
3	(AXIS 1) PH. Z+
4	NC
5	NC
6	NC
7	(AXIS 2) PH. B+
8	(AXIS 2) PH. A+
9	(AXIS 2) PH. Z+
10	(AXIS 1) PH. A-
11	(AXIS 1) PH. B-
12	(AXIS 1) PH. Z-
13	NC
14	NC
15	NC
16	(AXIS 2) PH. B -
17	(AXIS 2) PH. A -
18	(AXIS 2) PH. Z -
19	+5 VDC
20	5V RTN
21	NC
22	(AXIS 1) COIL +
23	(AXIS 1) COIL -
24	NC
25	(AXIS 2) COIL -
26	(AXIS 2) COIL +

2X DB 15P

PIN No	DB-15P
1	PH. A+
2	PH. Z+
3	PH. B+
4	+5 Vdc
5	NC
6	NC
7	NC
8	NC
9	PH. A -
10	PH. Z -
11	PH. B -
12	5V RTN
13	NC
14	NC
15	NC

2X POWER

PIN No	P. 6P
1	GND
2	+V
3	COIL +
4	COIL -
5	NC
6	NC



REF. NUMBER	MGR7-010
CONTRACT	STD

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN MM
 BREAK EDGES AND REMOVE BURRS

TOLERANCES
 X.: ± 0.5 XX: ± 0.1
 X.XX: ± 0.03 ANGLE: $\pm 0.1^\circ$
 CONCENTRICITY: ± 0.025
 ROUNDNESS: ± 0.025
 EDGE BREAKS: 0.2 MAX
 ALL DIMENSIONS AND TOLERANCES ARE FINAL

MATERIAL: SEE BOM
 FINISH: SEE BOM
 MACHINE FINISH: SEE BOM
 INTERPRET PER: ASME Y14.5-2009

THIRD ANGLE PROJECTION

NAME	DATE
DWN BY: TW	8/26/2019
CHK BY: TMV	8/26/2019
ENG APP: TMV	8/26/2019
MFG APP:	
QA APP:	

SMAC 5807 VAN ALLEN WAY CARLSBAD CA, 92008 (760) 929-7588

MOVING COIL ACTUATORS

TITLE: MICRO GRIPPER

PROPRIETARY AND CONFIDENTIAL

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SIZE: B PART NO: MGR7-010-51-1-X REV: B

SCALE: 1:1 DO NOT SCALE SHEET: 1 / 1