

REVISIONS				
REV	ECR	DESCRIPTION	DATE	APPROVED
A	2603	INITIAL RELEASE	11/21/02	SMH
B	5688	PART NUMBER CHANGE	01/21/2016	SB
C	6182	UPDATE ACTUATOR SPECS	08/31/2017	BJC

NOTES: UNLESS OTHERWISE SPECIFIED)
ALL DIMENSIONS APPLY AFTER PLATING.
ACTUATOR SPECIFICATIONS
LINEAR STROKE: 30 mm (15 mm PER FINGER)
FORCE CONSTANT: 100 N/mm SPRUNG
UNSPRUNG

SIGNATURE NEEDED FOR ORDER APPROVAL
SIGN _____ DATE _____
APPROVAL NOT RECEIVED WITHIN
48 HOURS MAY AFFECT DELIVERY

16x M4x0.7 - H7
4x 4.0 H7 X ↴ ↵

INITIAL RELEASE		
A	2003	
B	5688	PART NUMBER CHANG
C	6182	UPDATE ACTUATOR SPEC

CONNECTOR DB26P

4X 4.0 H7 X

42.5

27.5

12.5

100.0

12.5

This technical drawing illustrates a mechanical assembly with various dimensions and feature locations:

- Top View Dimensions:**
 - Total width: 2X 56.0
 - Left side height: 42.5
 - Middle height: 27.5
 - Bottom height: 12.5
- Front View Dimensions:**
 - Total height: 125.0
 - Top horizontal distance from bottom: 70.0
 - Left vertical distance from bottom: 27.5
 - Bottom horizontal distance: 55.0
 - Left vertical distance from bottom: 125.0
 - Left vertical distance from top: 70.0
 - Left vertical distance from middle: 27.5
 - Left vertical distance from bottom: 125.0
- Bottom View Dimensions:**
 - Total width: 55.0
- Feature Locations:**
 - Top view features include two rectangular holes at the top right and a central rectangular cutout.
 - Front view features include a central rectangular cutout, a circular hole labeled $\phi 4.0$, and a central horizontal slot with a width of 55.0.
 - Bottom view features include three circular holes arranged horizontally.
- Callouts:**
 - Callout A points to the top edge of the top view, indicating a height of 42.5.
 - Callout B points to the left edge of the front view, indicating a height of 125.0.
 - Callout C points to the bottom edge of the bottom view, indicating a width of 55.0.
- Dimensions:**
 - Top view: 42.5, 27.5, 12.5, 2X 56.0.
 - Front view: 92.5, 90.1, 55.0, 35.0, 15.0, 27.5, $\phi 4.0$, 125.0, 70.0.
 - Bottom view: 55.0.

This technical drawing illustrates a mechanical assembly with various dimensions and part details:

- Overall width: 39
- Top horizontal distance from top edge to top of top plate: 10.5
- Bottom horizontal distance from bottom edge to bottom of top plate: 20.0
- Left vertical distance from left edge to left of top plate: 8X M3X0.5 ∇ 5.0
- Right vertical distance from right edge to right of top plate: 2X Ø3.0 H7 ∇ 5.0
- Width of top plate: 30.0
- Width of middle plate: 13.0
- Height of middle plate: 22.5
- Height of bottom plate: 6.5
- Front-to-back thickness of bottom plate: 2X 3.0 H7 X 5 DEEP
- Front-to-back thickness of top plate: 2X 7.5 \pm 0.5 FULLY OPEN

PIN No	DB-26P
1	(AXIS 1) PH. A+
2	(AXIS 1) PH. B+
3	(AXIS 1) PH. Z+
4	NC
5	NC
6	I/O RTN
7	(AXIS 2) PH. B+
8	(AXIS 2) PH. A+
9	(AXIS 2) PH. I+
10	(AXIS 1) PH. A-
11	(AXIS 1) PH. B-
12	(AXIS 1) PH. Z
13	(AXIS 2) LIMIT -
14	NC
15	(AXIS 1) LIMIT -
16	(AXIS 2) PH. B -
17	(AXIS 2) PH. A -
18	(AXIS 2) PH. -
19	+5VDC
20	5V/RIN
21	(AXIS1) COIL +
22	(AXIS1) COIL +
23	(AXIS1) COIL -
24	(AXIS1) COIL -
25	(AXIS2) MOTOR +
26	(AXIS2) MOTOR -

UNLESS OTHERWISE SPECIFIED		MATERIAL: OUTLINE DWG	NAME: SMH	DATE: 11/15/02	5807 VAN ALLEN WAY CARLSBAD CA, 92010 (760) 922-7588
ALL DIMENSIONS ARE IN MM		FINISH: BREAK EDGES AND REMOVE BURRS	CHK BY: ENG APP	11/15/02	
TOLERANCES		MACHINE FINISH: MFG APP	G/A APP		
X-.305 X-.01		1.6			
X.XX: ±0.03 ANGLE: ±0.1°					
CONCRETITY: #0.05					
ROUNDNESS: #0.025					
EDGE BREAKS: 0.2 MAX					
ALL DIMENSIONS AND TOLERANCES					
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AGREEMENT BETWEEN THE PARTIES INVOLVED.					
PROPRIETARY AND CONFIDENTIAL					
INTERPRET PER:					
ASME Y14.5-2009					
THIRD ANGLE PROJECTION					
C					
REV: C					
B GRP50-030-7X-1					
PART NO. DATE					
B 030-7X-1					
C 11/15/02					

1

1

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