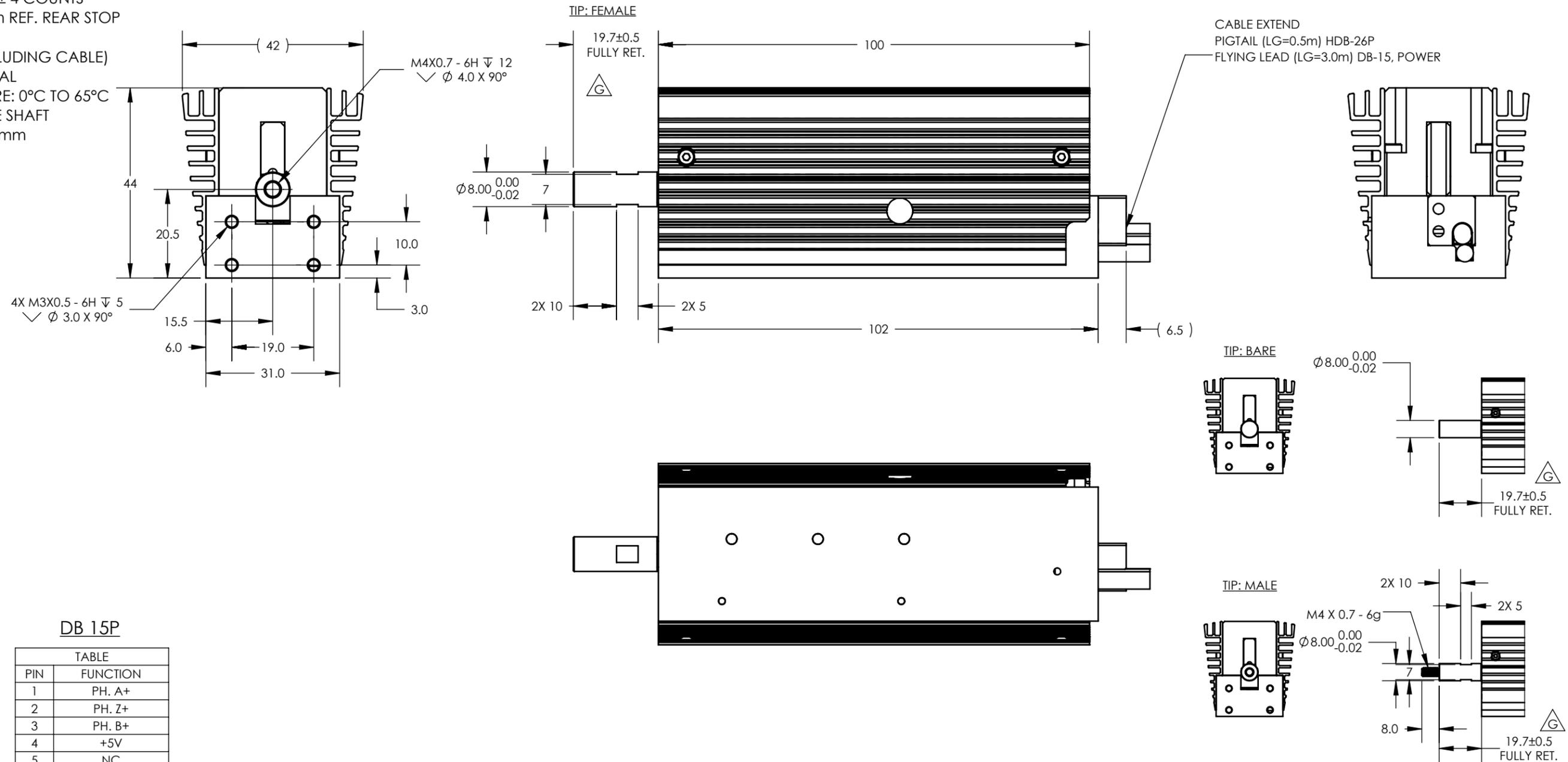


LINEAR SPECIFICATIONS:

- ⚠ LINEAR STROKE: 12.3 +1.0/-0 mm
- PEAK FORCE: 38 N(48V@6A)
- FORCE CONSTANT: 8.5 N/A@48V
- ⚠ COIL DC RESISTANCE: 7.1 ± 5% OHMS (COIL ONLY)
- COIL INDUCTANCE: 1.8 mH (IN CIRCUIT)
- ENCODER RESOLUTION: 5, 1.0, 0.1 μm
- ENCODER REPEATABILITY: ± 4 COUNTS
- ⚠ REF. SIGNAL: 1.5 - 2.5 mm REF. REAR STOP
- MOVING MASS: 59 g
- TOTAL MASS: 550 g (INCLUDING CABLE)
- SPRING RETURN: OPTIONAL
- OPERATING TEMPERATURE: 0°C TO 65°C
- DRAWING SHOWS FEMALE SHAFT
- ALL DIMENSIONS ARE IN mm

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
E	5967	CHANGED CABLE CLAMP, ADDED CABLE OPTION	12/29/2016	TW
F	1013	ADDED SHAFT OPTIONS	6/6/2017	BJC
G	6241	19.7±0.5 WAS 21.0±0.5, 12.3 +1.0/-0 mm WAS 12 +1/-0 mm 7.1 ± 5% WAS 6.9 ± 5%, 1.5 - 2.5mm WAS 2 - 3 mm	10/31/2017	TW



DB 26P PINOUT

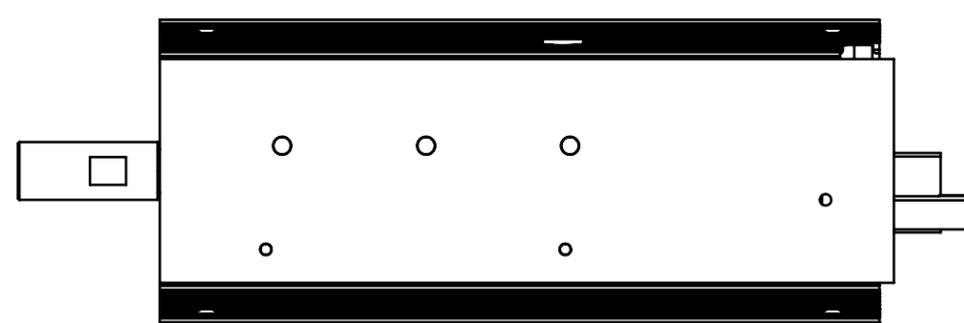
1	(AXIS 1) PH. A+
2	(AXIS 1) PH. B+
3	(AXIS 1) PH. Z+
4	NC
5	NC
6	I/O RTN
7	NC
8	NC
9	NC
10	(AXIS 1) PH. A-
11	(AXIS 1) PH. B-
12	(AXIS 1) PH. Z-
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	+5VDC
20	5V RTN
21	(AXIS 1) COIL +
22	(AXIS 1) COIL +
23	(AXIS 1) COIL -
24	(AXIS 1) COIL -
25	NC
26	NC

DB 15P

TABLE	
PIN	FUNCTION
1	PH. A+
2	PH. Z+
3	PH. B+
4	+5V
5	NC
6	NC
7	NC
8	NC
9	PH. A-
10	PH. Z-
11	PH. B-
12	5V RTN
13	5V RTN
14	NC
15	NC

POWER

TABLE	
No	DETAIL
1	V RTN
2	+ V
3	COIL +
4	COIL -



<small>UNLESS OTHERWISE SPECIFIED</small> ALL DIMENSIONS ARE IN MM BREAK EDGES AND REMOVE BURRS TOLERANCES X: ±0.5 X.X: ±0.1 X.XX: ±0.03 ANGLE: ±0.1° CONCENTRICITY: ±0.025 ROUNDNESS: ±0.025 EDGE BREAKS: 0.2 MAX ALL DIMENSIONS AND TOLERANCES ARE FINAL	MATERIAL: N/A FINISH: N/A MACHINE FINISH: N/A INTERPRET PER: ASME Y14.5-2009	NAME TW DATE 12/28/2016 CHK BY TMV ENG APP TMV MFG APP QA APP	SMAC <small>MOVING COIL ACTUATORS</small> 5807 VAN ALLEN WAY CARLSBAD CA, 92008 (760) 929-7588	
	TITLE: LCA31-010-7X-3		PART NO: LCA31-010-7X-3	
	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SMAC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SMAC IS PROHIBITED.		SIZE: B	REV: G
	THIRD ANGLE PROJECTION		SCALE: 1:1 DO NOT SCALE	SHEET: 1 / 1

REF. NUMBER	LCA32-012
CONTRACT	STD