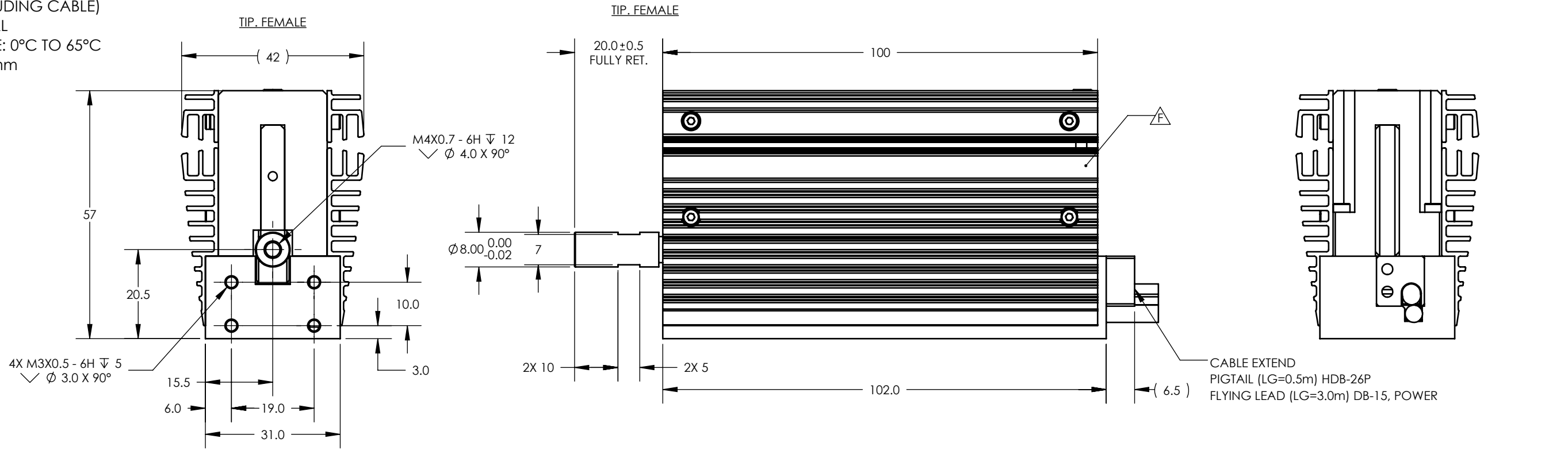


**LINEAR SPECIFICATIONS:**

LINEAR STROKE: 12 +1/-0 mm  
 PEAK FORCE: 76 N(48V@6A)  
 FORCE CONSTANT: 13 N/A@48V  
 COIL DC RESISTANCE: 8.6 ± 5% OHMS  
 COIL INDUCTANCE: 2.1 mH (IN CIRCUIT)  
 ENCODER RESOLUTION: 5, 1.0, 0.1 μm  
 ENCODER REPEATABILITY: ± 4 COUNTS  
 REF. SIGNAL: 2 - 3 mm REF. REAR STOP  
 MOVING MASS: 75 g  
 TOTAL MASS: 750 g (INCLUDING CABLE)  
 SPRING RETURN: OPTIONAL  
 OPERATING TEMPERATURE: 0°C TO 65°C  
 ALL DIMENSIONS ARE IN mm

REVISIONS				
REV.	ECN	DESCRIPTION	DATE	APPROVED
C	5967	CHANGED CABLE CLAMP, ADDED CABLE OPTION	12/29/2016	TW
D	SJ1017	ADDED MALE SHAFT OPTION	8/7/2017	BJC
E	6173	UPDATED RETRACT SPECS	8/28/2017	BJC
F	6377	CHANGED HEATSINK	3/12/2018	TW



**DB 26P PINOUT**

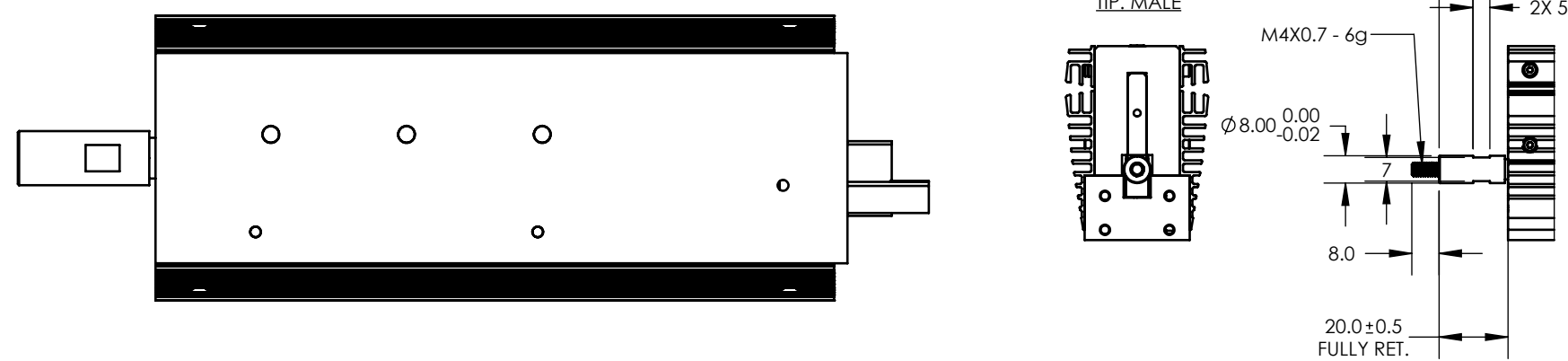
1	(AXIS 1) PH. A+
2	(AXIS 1) PH. B+
3	(AXIS 1) PH. Z+
4	NC
5	NC
6	I/O RTN
7	NC
8	NC
9	NC
10	(AXIS 1) PH. A-
11	(AXIS 1) PH. B-
12	(AXIS 1) PH. Z-
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	+5VDC
20	5V RTN
21	(AXIS 1) COIL +
22	(AXIS 1) COIL +
23	(AXIS 1) COIL -
24	(AXIS 1) COIL -
25	NC
26	NC

**DB 15P**

TABLE	
PIN	FUNCTION
1	PH. A+
2	PH. Z+
3	PH. B+
4	+5Vdc
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	MOTOR +
4	MOTOR -



<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 12/28/2016 ENG APP TMV 12/28/2016 MFG APP QA APP	<b>SMAC</b> <small>MOVING COIL ACTUATORS</small> 5807 VAN ALLEN WAY CARLSBAD CA, 92008 (760) 929-7588
	TITLE: <b>LCA32-012-7X-3</b>		
	REF. NUMBER LCA32-012 CONTRACT STD	SIZE: <b>B</b> PART NO: LCA32-012-7X-3 SCALE: 1:1 <b>DO NOT SCALE</b>	REV: <b>F</b> SHEET: 1 / 1