



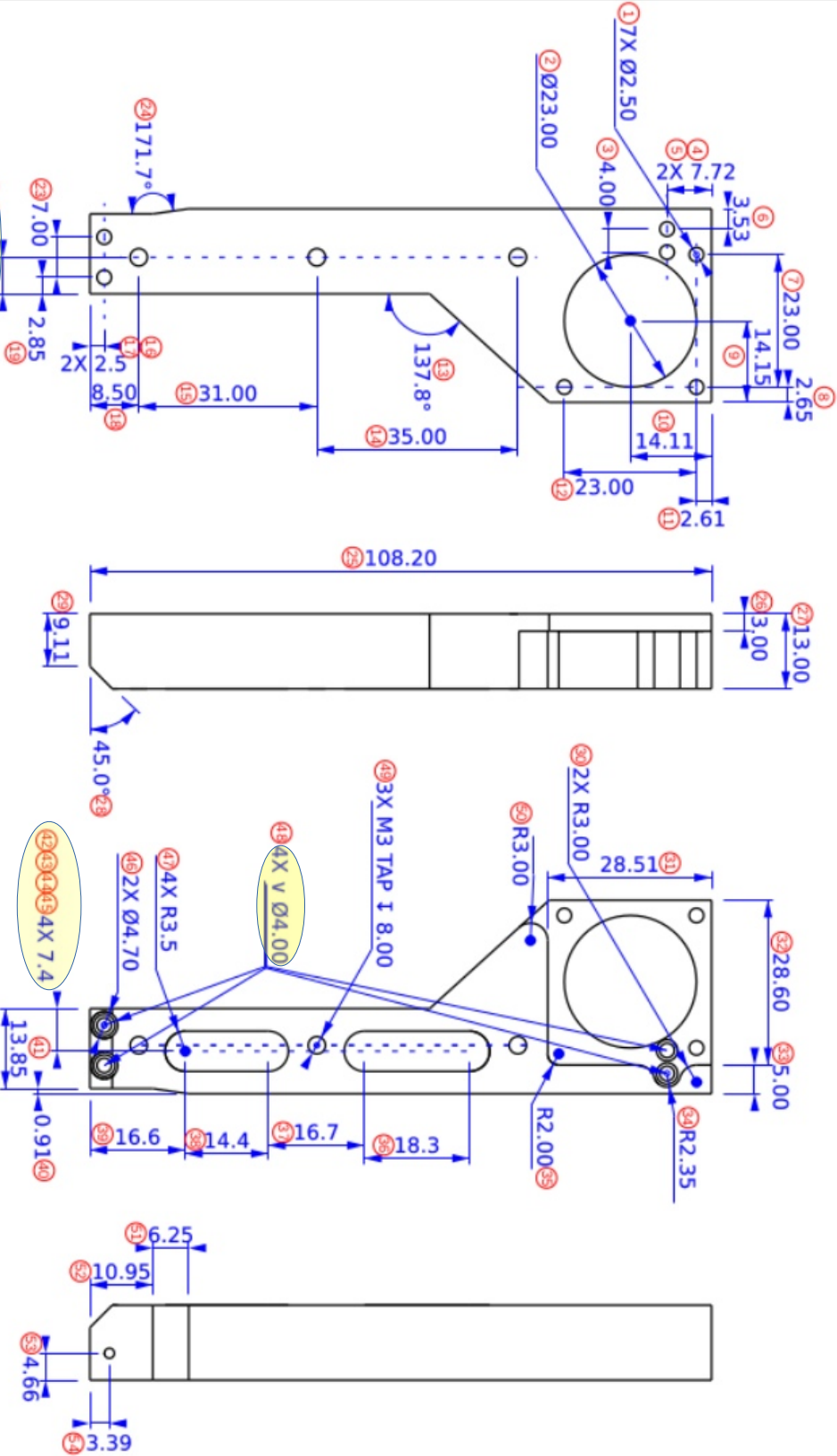
FIRST ARTICLE INSPECTION REPORT



Part number: PP-MP0279		Version: IR	
Description: Kangaroo Paw, Toolhead, Motor Mount			
Supplier: JMT Tool		PO: 30751	Date: July 7, 2019

Number	Device	Target	Tolerance	Actual	Result
1	Pin gauges	7X Ø2.50	±0.25	2.53	Pass
2	Pin gauges	Ø23.00	±0.25	23.03	Pass
3	Caliper	4.00	±0.25	4.03	Pass
4	Caliper	7.72	±0.25	7.76	Pass
5	Caliper	7.72	±0.25	7.78	Pass
6	Caliper	3.53	±0.25	3.58	Pass
7	Caliper	23.00	±0.25	23.06	Pass
8	Caliper	2.65	±0.25	2.68	Pass
9	Caliper	14.15	±0.25	14.16	Pass
10	Caliper	14.11	±0.25	14.15	Pass
11	Caliper	2.61	±0.25	2.61	Pass
12	Caliper	23.00	±0.25	23.01	Pass
13	Protractor	137.8°	±1°	137°	Pass
14	Caliper	35.00	±0.25	34.90	Pass
15	Caliper	31.00	±0.25	30.99	Pass
16	Caliper	2.5	±0.75	2.48	Pass
17	Caliper	2.5	±0.75	2.53	Pass
18	Caliper	8.50	±0.25	8.48	Pass
19	Caliper	2.85	±0.25	3.00	Pass
20	Caliper	6.35	±0.25	6.47	Pass
21	Caliper	6.35	±0.25	6.43	Pass
22	Caliper	6.35	±0.25	Measures from opposite edge identical to Dim 21	Pass (Invisible edge referenced)
23	Caliper	7.00	±0.25	7.02	Pass
24	Protractor	171.7°	±1°	172°	Pass

25	Caliper	108.20	±0.25	108.23	Pass
26	Caliper	3.00	±0.25	3.04	Pass
27	Caliper	13.00	±0.25	13.00	Pass
28	Protractor	45.0°	±1°	45.0°	Pass
29	Caliper	9.11	±0.25	9.35	Pass
30	Radius gauge	2X R3.00	±0.25	R3.00	Pass
31	Caliper	28.51	±0.25	28.31	Pass
32	Caliper	28.60	±0.25	28.51	Pass
33	Caliper	5.00	±0.25	5.02	Pass
34	Radius gauge	R2.35	±0.25	R2.3	Pass
35	Radius gauge	R2.00	±0.25	R2.0	Pass
36	Caliper	18.3	±0.75	18.26	Pass
37	Caliper	16.7	±0.75	16.81	Pass
38	Caliper	14.4	±0.75	14.4	Pass
39	Caliper	16.6	±0.75	16.64	Pass
40	Caliper	0.91	±0.25	0.92	Pass
41	Caliper	13.85	±0.25	13.86	Pass
42	Caliper	7.4	±0.75	7.38	Pass
43	Caliper	7.4	±0.75	7.38	Pass
44	Caliper	7.4	±0.75	N/A	No feature to measure, Review Drawing
45	Caliper	7.4	±0.75	N/A	No feature to measure, Review Drawing
46	Pin gauges	2X Ø4.70	±0.25	4.58	Pass
47	Radius gauges	4X R3.5	±0.75	R3.5	Pass
48	Pin gauges	4X v Ø4.00	±0.25	3.36 (Taken from Dim 4,5 & 6 locations)	Fail, Unclear how to apply this towards Dim 17 & 23, unable to measure to recessed chamfers inside the bottom of a hole
49	Thread gauge	3X M3 TAP ↓ 8.00	±0.25	9.64 thread depth	Fail
50	Radius gauge	R3.00	±0.25	R3.00	Pass
51	Caliper	6.25	±0.25	6.28	Pass
52	Caliper	10.95	±0.25	10.95	Pass
53	Caliper	4.66	±0.25	4.75	Pass
54	Caliper	3.39	±0.25	3.41	Pass



- Notes:**
1. Parts must be RoHS compliant
 2. Parts must be clean, free of oil and debris
 3. Break all sharp edges

Rev Date Change By Change Notes

DRAWN BY: Tutley		DATE: 6/13/19	
MATERIAL: 6061 Aluminum		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE:	
DECIMALS .X4, .75	ANGLES X°.11"	BREAK EDGES 0.1/0.5	
.XXX-125	.XXX-050	FILET RADIUS 0.1/0.5	
TITLE: Motor Mount		ALEPH OBJECTS INCORPORATED	
SIZE: A	DWG NO: PP-MP0279	626 West 66th Street, Loveland, Colorado 80538, USA Phone +1-970-377-1111 www.alephobjects.com	
SCALE: 1:1	DO NOT SCALE DRAWING	SHEET: 1 of 1	REV: IR

