



First Article Inspection Report
 Form 3: Characteristic Accountability Verification and Compatibility Evaluation

1. Part Number 0177-1801-01				2. Part Name Bracket, ODU Mount			3. Serial Number N/A	4. FAI Report 0177-1801-01 FAI
Characteristic Accountability				Inspection / Test Results			Optional Fields	
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-Conformance Number	14. [Insert columns, etc, as required by Organization or Customer]	
REF	Print Location Zone		Drawing Characteristics and Tolerance	Actual Measurement Result	Inspection Media			
1	D8	Note 3	Part to be free of burrs and sharp edges	FAIL (12/12/16) OK (12/16/16)	Visual	56442	Part reworked to file off sharp edges that were found	
2	D8	Flag Note 4	All press-fit hardware to be supplied as specific or from an approved alternate per L-3 GCS P/N: 1000-0401-01. Press fit hardware to be installed per manufacturer's specification.	OK	N/A			
3	D8	Note 5	Bend Radii to be .12 Max	OK	Nikon CMM			
4	D8	Flag Note 6	ID: Mark PN, Rev, Vendor, Dare engraved or indelible ink, located approx.. where shown.	OK	Visual			



5	C8	Note 7	All L-3 GCS documents referenced herein are to be of current revision per date of the purchase order. Referenced documents can be found at http://www.globalcoms.com/quality	OK	Visual		
6	C5	Dimensional	12.78 Inside +/- .020	12.80	Nikon CMM		
7	C5	Dimensional	11.030 +/- .005 (2x)	11.033 11.032	Nikon CMM		
8	C5	Dimensional	8.53 +/- .020	8.51	Nikon CMM		
9	C5	Dimensional	2.50 +/- .020	2.49	Nikon CMM		
10	C5	Dimensional	0.88 +/- .020 (2x)	.86 .89	Nikon CMM		
11	C5	Dimensional	1.00 +/- .020	1.01	Nikon CMM		
12	C5	Dimensional	.750 +/- .005 (2x)	.753 .754	Nikon CMM		
13	C5	Dimensional	1.75 +/- .020 (2x)	1.75 1.77	Nikon CMM		
14	C5	Dimensional	5.63 +/- .020 (2x)	5.63 5.61	Nikon CMM		
15	C5	Dimensional	9.50 +/- .020 (2x)	9.50 9.52	Nikon CMM		
16	C4	Dimensional	10.500 +/- .005 (2x)	10.502 10.505	Nikon CMM		



17	C4	Dimensional	11.250 +/- .005 (2x)	11.254 11.252	Nikon CMM		
18	C4	Marking	Item 1: Install from Nearside (8x)	OK	Visual		
19	D4	Dimensional	3.00 +/- .020 (6x)	3.01 3.02 3.01 2.99 3.00 3.01	Nikon CMM		
20	D4	Dimensional	13.25 +/- .020	13.251	Nikon CMM		
21	B4	Dimensional	5.43 +/- .020 (2x)	5.43 5.45	Nikon CMM		
22	B4	Dimensional	5.17 +/- .020 (2x)	5.17 5.15	Nikon CMM		
23	B4	Dimensional	4.93 +/- .020 (2x)	4.93 4.91	Nikon CMM		
24	B4	Dimensional	.278 +/- .005 (6x)	.275 .279 .276 .274 .273 .272	Nikon CMM		
25	B4	Dimensional	20° +/- 1°	20°	Nikon CMM		
26	B4	Dimensional	2.75 +/- .020 (2x)	2.76 2.74	Nikon CMM		
27	B5	Dimensional	.406 +/- .500 (2x)	.401 .406	Nikon CMM		
28	B5	Dimensional	.24 +/- .020 (2x)	.24 .23	Nikon CMM		



29	B5	Dimensional	.80 +/- .020 (2x)	.81 .79	Nikon CMM		
30	B5	Dimensional	6.00 +/- .020 (2x)	5.99 6.01	Nikon CMM		
31	B5	Dimensional	3.20 +/- .020 (2x)	3.22 3.20	Nikon CMM		
32	B5	Dimensional	1.45 +/- .020 (2x)	1.45 1.46	Nikon CMM		
33	B5	Dimensional	.95 +/- .020 (2x)	.93 .94	Nikon CMM		
34	A5	Dimensional	2.96 +/- .020	2.96 2.97	Nikon CMM		
35	A5	Dimensional	35° +/- 1°	36°	Nikon CMM		
36	A5	Dimensional	4.32 +/- .020 (2x)	4.32 4.34	Nikon CMM		
37	A5	Dimensional	1.69 +/- .020 (2x)	1.68 1.70	Nikon CMM		
38	A5	Dimensional	2.31 +/- .020 (2x)	2.33 2.30	Nikon CMM		
39	A5	Dimensional	4.54 +/- .020 (2x)	4.54 4.54	Nikon CMM		
40	A4	Dimensional	5.25 +/- .020 (2x)	5.25 5.26	Nikon CMM		
41	A4	Dimensional	5.86 +/- .020 (2x)	5.86 5.88	Nikon CMM		
42	A4	Dimensional	6.81 +/- .020 (2x)	6.79 6.80	Nikon CMM		
43	A4	Marking	Item 1: Install from Nearside (2x)	OK	Visual		
44	A4	Dimensional	2.50 +/- .020 (4x)	2.50 2.51	Nikon CMM		



45	A4	Dimensional	2.98 +/- .020 (2x)	2.99 2.99	Nikon CMM		
46	A4	Dimensional	2.00 +/- .020 (2x)	2.00 2.02	Nikon CMM		
47	A4	Dimensional	2.23 +/- .020 (2x)	2.25 2.23	Nikon CMM		
48	A4	Dimensional	1.80 +/- .020 (2x)	1.80 1.81	Nikon CMM		
49	A4	Dimensional	.91 +/- .020 (2x)	.91 .93	Nikon CMM		
50	A4	Dimensional	45° +/- 1°	46°	Nikon CMM		
51	A4	Dimensional	.129 +/- .005 (6x)	.129 .132 .130 .131 .125 .125	Nikon CMM		
52	A4	Dimensional	Radius .50 +/- .020 (10x)	.50 .50 .51 .50 .51 .50 .50	Nikon CMM		
<p>The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.</p>							
12. Prepared By: <u>SIGN NAME HERE</u>						13. Date <u>WRITE DATE HERE</u>	

ACME Metal Supply

CERTIFICATION OF COMPLIANCE

C of C Number: 100456

Invoice Number:

001285532 – 005

Customer:

ACME Machine Inc.

Material:

Aluminum 5052

Thickness:

0.125 inches

Dimensions:

4 Feet x 4 Feet

**ACME Metal Supply
Certificate of Compliance**