

CHANGE / DEVIATION REQUEST



Supplier Name and Address L-3 Cincinnati Electronics 7500 Innovation Way Mason, OH 45040		Cage Code 80045	Date 8-15-2016	Request Number 48650-004	
ULA Part Number 1F67700-1, 1F67700-501, 1F67700-503		Purchase Order Number 4500030494 Line item 00036		Check Applicable Block <input checked="" type="checkbox"/> Request for Deviation <input type="checkbox"/> Change to Supplier Date <input type="checkbox"/> Change to ULA Data	
End Item Nomenclature Ordnance Control Unit	End Item Part Number 1F67700-1, 1F67700-501, 1F67700-503	Effect on Cost / Price N/A			
Name of Lowest Part Effected OCU Top Level	Lowest Part P / N 1F67700-1, 1F67700-501, 1F67700-503	Data Cost \$	Other Non-Rec. Cost \$	Cost per Unit \$	
Product Effectively All OCU Top Level SNs upon approval		Effect on Delivery Schedule N/A			
Spec. Effected? <input type="checkbox"/> No <input type="checkbox"/> Yes – Spec. Number:					
Drawing Numbers Effected 1F67700-1, 1F67700-501, 1F67700-503		Effect on Logistics N/A			
Title / Description Force Limit Adjustment File Document Modification and Control					
Justification Force limits in the ATP vibration as defined in the Acceptance Test Procedure are to adjusted according to ULA's force limit vibration theory. This adjustment is made via formulas in an Excel file provided by ULA. The purpose of this waiver to allow for the use of modified Excel files to prevent incorrect usage by the test operator. Each axis of vibration (ie X,Y,Z) has been split into its own file. Further, a separate file has been created for each vibration controller type to prevent incorrect adjustment. This results in six separate files for the OCU force limit adjustment. Approval of this wavier will allow these files to be controlled by L-3 CE configuration management and used for ATP vibration testing. See attachments					
Configuration Requirements Effected by Request					
<input type="checkbox"/> Safety	<input type="checkbox"/> Performance	<input type="checkbox"/> Service Life	<input type="checkbox"/> Interchangeability	<input type="checkbox"/> Op. Computer Program	
<input type="checkbox"/> AGE / SE	<input type="checkbox"/> Interface	<input type="checkbox"/> Preset Adj.	<input type="checkbox"/> Physical Constraints	<input checked="" type="checkbox"/> Operating / Inst. Procedure	
<input checked="" type="checkbox"/> Dwgs / Docs	<input type="checkbox"/> Spare Parts	<input type="checkbox"/> Rel. / Maintenance	<input type="checkbox"/> Wt., Bal. and Stability	<input type="checkbox"/> Maintenance Overhaul / Rework Method	
<input type="checkbox"/> Price of Fee	<input type="checkbox"/> Delivery Sched.	<input type="checkbox"/> Electrical Interface	<input type="checkbox"/> First Article Inspection		
If Request is for Deviation		If Request is for Change		Scheduled Completion Date for Proposed Change	
<input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Recurring	Class (Recommended Priority)	Origin		
<input type="checkbox"/> Major	<input checked="" type="checkbox"/> Non-Recurring	<input type="checkbox"/> Class I <input type="checkbox"/> Emergency <input type="checkbox"/> Routine	<input type="checkbox"/> ULA		
<input type="checkbox"/> Critical		<input type="checkbox"/> Class II <input type="checkbox"/> Urgent <input type="checkbox"/> Compatibility	<input type="checkbox"/> Supplier		
Retrofit Recommended? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			Estimated Cost for Retrofit Kits	\$	
If Yes, State Reasons			Estimated Kit Delivery Schedule		
			Estimated M / Hrs per Unit		
Retroactive Effectivity by Serial or Part Number: N/A					
Special Tools / Test Equipment Required? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			Estimated Cost	\$	
If Yes, Describe			Estimated Delivery Schedule		
8/23/2016 P.O. Authority Date Needed			J.M. Williams 8-19-2016 Supplier Signature		Program Office Signature

See next page for Continuation Sheet.

CHANGE / DEVIATION REQUEST

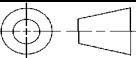



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ULA Part Number 1F67700-1, 1F67700-501, 1F67700-503		Contract Number 4500030494	
Continuation Sheet			

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
-	RELEASED	2016-08-10	MDF

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		CONTRACT NO.				<div> Cincinnati Electronics</div> <div>7500 Innovation Way Mason, OH 45040</div>							
		DRAWN C. YOUNG		DATE 2016-07-28		TITLE OCU Y-AXIS WEIGHT CHECKOUT IAT 8CH							
		CHECKED D. McELROY		DATE 2016-08-03									
		APPROVED P. POPPLETON		DATE 2016-08-03		SIZE A		CAGE CODE 80045		DWG NO. ENV1F67700-1-Y-8		REV -	
		QUALITY C. BARRERA		DATE 2016-08-02		SCALE NONE				SHEET		1 OF 2	
APPLICATION													
NEXT ASSY	USED ON												

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OCU Static Weight	Y-Axis New Weight IAT
36.2	46

Y-Axis Delta dB
2.58

Y-Axis Factor Increase
1.81

DO NOT CHANGE DATA BELOW
Y-Axis Qual Delta dB
2.21
-0.37

Frequency	OCU FSD Y-Axis MPE (Level from Spec) 445 lb-rms, 60 sec/axis	Frequency	Y-Axis OCU FSD IAT
20	88	20	159
40	714	40	1294
70	714	70	1294
110	287	110	520
180	287	180	520
280	203	280	368
370	85	370	154
630	75	630	136
1400	51	1400	92
1800	51	1800	92
2000	35	2000	63
Overall	445	Duration	60 sec/axis
Duration	60 sec/axis		

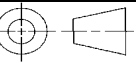

Weight Checkout Method:

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		QUALITY C. BARRERA	DATE 2016-08-02	SCALE NONE		SHEET	1 OF 2	

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OCU Static Weight	X-Axis New Weight IAT
36.2	43.2

X-Axis Delta dB
2.04

X-Axis Factor Increase
1.60

DO NOT CHANGE DATA BELOW
X-Axis Qual Delta dB
1.75
-0.29

Frequency	OCU FSD X-Axis MPE (Level from Spec) 420 lb-rms, 60 sec/axis	Frequency	X-Axis OCU FSD IAT
20	50	20	80
25	82	25	131
55	445	55	711
75	445	75	711
110	202	110	323
180	202	180	323
210	202	210	323
320	202	320	323
400	90	400	144
710	75	710	120
1400	51	1400	81
1800	51	1800	81
2000	35	2000	56
Overall	420	Duration	60 sec/axis
Duration	60 sec/axis		

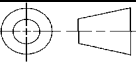

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APPLICATION											
NEXT ASSY	USED ON										

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OCU Static Weight	Z-Axis New Weight IAT
36.2	42.6

Z-Axis Delta dB
1.91

Z-Axis Factor Increase
1.55

DO NOT CHANGE DATA BELOW
Z-Axis Qual Delta dB
1.40
-0.51

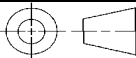

Frequency	OCU FSD Z-Axis MPE (Level from Spec) 524 lb-rms, 60 sec/axis	Frequency	Z-Axis OCU FSD IAT
20	900	20	1398
25	2100	25	3263
35	2100	35	3263
40	1800	40	2797
60	1800	60	2797
120	259	120	402
190	259	190	402
220	259	220	402
320	259	320	402
420	75	420	117
630	75	630	117
1400	51	1400	79
1800	51	1800	79
2000	35	2000	54
Overall	524	Duration	60 sec/axis
Duration	60 sec/axis		

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Y-Axis Delta dB
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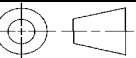

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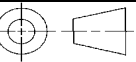

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		QUALITY C. BARRERA	DATE 2016-08-02	SCALE NONE		SHEET 1 OF 2		

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OCU Static Weight	X-Axis New Weight IAT
36.2	43.2

X-Axis Delta dB
2.04

X-Axis Factor Increase
1.60

DO NOT CHANGE DATA BELOW
X-Axis Qual Delta dB
1.75
-0.29

Frequency	OCU FSD X-Axis MPE (Level from Spec) 420 lb-rms, 60 sec/axis	Frequency	X-Axis OCU FSD IAT
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75	445	75	711
110	202	110	323
180	202	180	323
210	202	210	323
320	202	320	323
400	90	400	144
710	75	710	120
1400	51	1400	81
1800	51	1800	81
2000	35	2000	56
Overall	420	Duration	60 sec/axis
Duration	60 sec/axis		

Weight Checkout Method:

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