

Product Change Notification

PCN Number:	2023-002
Date of Issue:	7/28/2023
PCN Effective Date:	01/01/2024

PCN Information						
Title of Change:	Ceramic Assembly Supplier (Golden Altos) Site relocation					
Customer Approval Required <input type="checkbox"/>	Notification Only <input checked="" type="checkbox"/>					
Type of Change:	Major <input checked="" type="checkbox"/>		Minor <input type="checkbox"/>		Obsolescence <input type="checkbox"/>	
Change Affects:	Form <input type="checkbox"/>	Fit <input type="checkbox"/>	Function <input type="checkbox"/>	Quality/Reliability <input type="checkbox"/>	Manufacturability <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Change Description:	<p>Golden Altos is relocating to a new and larger facility, where all existing equipment, personnel, and processes will be transferred. The new facility will include the construction of a brand-new ISO Class 5 (Class 100) clean room. As a Defense Logistics Agency (DLA) listed manufacturer of space qualified product, Golden Altos has been in close communication with DLA and has agreed on a qualification plan that is in line with the requirements outlined in MIL-PRF-38535, Table A-1 for Major Changes.</p> <p>Golden Altos is committed to maintaining their operations as a US based, on shore assembly, and test facility as well as moving forward with a goal of reaching net-zero energy consumption in the near future. The new manufacturing location will be at 44061 Old Warm Springs Blvd, Fremont, CA 94538 and will be fully operational by the end of 2023.</p> <p>The plan with recertification with DLA will be performed by package seal type. As part of their qualification plan, devices will be assembled in accordance with Golden Altos QML approved process flow in compliance with MIL-STD-883 TM5004 for Class V products for each seal type offered by Golden Altos. Upon completion of the assembly and screening process, samples from all seal processes will be submitted for qualification per MIL-STD-883 TM5005 Group D.</p> <p>Upon completion of the qualification plan, all data and reports will be provided to DLA and once accepted, Golden Altos will begin full operations at their new facility. Golden Altos anticipates a full transition to the new facility before the end of 2023.</p>					

Group D Qualification Plan

Subgroup 3		
Thermal Shock	1011	B= +125°C to -55°C, 15 cycles
Temperature cycle	1010	
Moisture Resistance	1004	C= +150°C to -65°C, 100 cycles
Visual Inspection		
Fine leak	1014	
Gross leak	1014	Visual criteria of 1004 and 1010
Decap – 100% Internal Visual w/Photos	2010	A2, tracer gas helium (He) C1, perfluorocarbon
		Condition A
Subgroup 4		
Mechanical Shock	2002	B = 1500 g level
Vibration frequency	2007	A = 20 peak acceleration, g
Constant acceleration	2001	E = 30,000 g
Fine leak	1014	A2, tracer gas helium (He)
Gross leak	1014	C1, perfluorocarbon
Decap – 100% Internal Visual w/Photos	2010	Condition A
Subgroup 6		
Internal Water Vapor	1018	5,000 ppm maximum water content at +100°C
Subgroup 8		
Lid Torque	2024	If Applicable

Potential Impact to Customer:

The current ongoing Class-V and Class -K build will be done at the old facility, and inventory for commercial parts is sufficient for year 2023. Future builds will be done at Golden Altos' new facility starting in Jan. 2024.

Products Affected by Change:

VA41630-CQ176FKQBA
 VA41630-CQ176FVQBA to be qualified to MIL-PRF-38535 Class V
 VA41620-CQ176F0EBA
 VA41630-CQ176F0EBA
 VA41628-CQ128F0PBA
 VA41628-CQ128F0PBB
 VA10800-CQ12803ECA
 VA10800-CQ12803ECB

Last Time Buy Date:

N/A

Last Time Ship Date:

N/A

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