



## Product Change Notification / GBNG-11SJBT182

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**Date:**

19-Feb-2021

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 4526 Initial Notice: Qualification of a new fabrication site (Microchip - Fab 5) for various Microsemi products.

**Notification Text:****PCN Status:**

Initial notification

**PCN Type:**

Manufacturing Change

**Microchip Parts Affected:**

Please open one of the icons found in the Affected CPNs section.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

**Description of Change:**

Qualification of a new fabrication site (Microchip - Fab 5) for various Microsemi products.

**Pre Change:**

Fabricated at Microchip Technology, Inc. - Lowell site (formerly Microsemi Lowell) using 3 and 4 inch wafers.

**Post Change:**

Fabricated at Microchip Technology Colorado - Fab 5 site using 6 inch wafers.

**Pre and Post Change Summary:**

	Pre Change	Post Change
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<b>Fabrication Location</b>	Microchip Technology, Inc. - Lowell (formerly Microsemi Lowell) (MLWL)	Microchip Technology Colorado - Fab 5 (MCSO)
<b>Wafer size</b>	3 and 4 inches	6 inches

**Impacts to Data Sheet:**

None

**Change Impact:**

None

**Reason for Change:**

To improve on-time delivery performance by qualifying Microchip Technology Colorado - Fab 5 as part of the integration of Microsemi and Microchip.

Note: Lowell fab has a scheduled shut down target of August 2023.

**Change Implementation Status:**

In Progress

**\*Estimated Qualification Completion Date:**

February 2024

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

**Time Table Summary:**

	February 2021				-->	Q2 2021 onwards
	Workweek	06	07	08		
Initial PCN Issue Date			X			
Qual Report Availability						*X
Final PCN Issue Date						*X

Note: \*Qual reports and final PCNs will begin to be issued starting on Q2 2021 and will identify the products that are qualified but will be variable by Product Type / Process (See table below). This FAB transition will vary by catalog part number (CPN) and may take several months/years to complete the transition that may result in several final PCNs. Please note that the final PCN and qualification report will be issued before shipment.

**Estimated Process Technology Qualification Schedule:**

Transfer Priority	Product Type / Process	Final PCN Issue Date / Qual Report Availability
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1	Process Tech_1	May 26, 2021
2	Process Tech_2	August 24, 2021
3	Process Tech_3	November 24, 2021
4	Process Tech_4	February 24, 2022
5	Process Tech_5	May 16, 2022
6	Process Tech_6	November 24, 2022
7	Process Tech_7	May 26, 2023
8	Process Tech_8	August 24, 2023
9	Process Tech_9	November 24, 2023
10	Process Tech_10	February 24, 2024
11	Process Tech_11	May 24, 2024

**Method to Identify Change:**

Traceability code

**Qualification Plan:** Please open the attachments included with this PCN labeled as PCN\_#\_Qual\_Plan.

Note: Process technology qualifications will be performed to the MIL-PRF-19500 Standard (TX Level) utilizing Screening Flow plus Groups A, B, C and E, which is the original standard used to qualify these devices.

Appropriate group and subgroup tests are determined by product, package and die characteristics, therefore not all tests may apply. For example, packaging tests would not be conducted for bare die devices, PIND tests are only for packages with a cavity, leak tests are only for hermetic packages, SOA tests are for transistor technology only, etc.

**Revision History:**

**February 19, 2021:** Issued initial notification.

The change described in this PCN does not alter Microchip’s current regulatory compliance regarding the material content of the applicable products.

**Attachments:**

- [PCN\\_GBNG-11SJBT182\\_Qual\\_Plan.pdf](#)
- [PCN\\_GBNG-11SJBT182\\_Affected\\_CPN.pdf](#)
- [PCN\\_GBNG-11SJBT182\\_Affected\\_CPN.xlsx](#)

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

**Terms and Conditions:**

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[home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.



# **QUALIFICATION PLAN SUMMARY**

**PCN #: GBNG-11SJBT182**

**Date:  
February 09, 2021**

**Qualification of a new fabrication site (Microchip – Fab 5) for  
various Microsemi products.**

**Purpose: Qualification of a new fabrication site (Microchip – Fab 5) for various Microsemi products.**

**CCB No: 4526**

**Note: All tests shown below may not be applied to every process technology qualification, as determined by the combination of the product technology, package and die tested.**

**Screening Flow Example Qualification Tests**

Test (in order)	Conditions	TX Level
INTERNAL VISUAL	PRECAP	LTPD
STABILIZATION BAKE	24 HRS @ +150°C	100%
TEMPERATURE CYCLE	20 CYCLES, -65°C TO +150°C, 15 MIN. Dwell	100%
ACCELERATION	20,000 Gs, Y1 ONLY. NOTE 2: TESTING APPLIES ONLY TO PACKAGE STYLE DEVICES WITH AN INTERNAL CAVITY.	100%
FINE LEAK	CONDITION H. NOTE 4: MAX LEAK RATES ARE AS FOLLOWS: CERAMIC STYLE PACKAGES: 2 x 10 (-8), AXIAL LEADED: 1 x 10 (-8).	100%
GROSS LEAK	CONDITION C	100%
ELECTRICAL TEST	IR, MIN. RATED Vb, Vf. NOTE 5: Vb TESTING NOT ON SCHOTTKY DEVICES.	100%
HTRB	T=125C, VR=80% MIN. RATED Vb, t=48 HRS	100%
ELECTRICAL TEST	IR, MIN. RATED Vb, Vf. NOTE 5: Vb TESTING NOT ON SCHOTTKY DEVICES. NOTE 6: POST HTRB MEASUREMENTS TO BE COMPLETED WITHIN 24 HRS	100%
PDA	NOTE 7: 10% Reject Level	100%
BURN-IN	T=125C, IF=25 mA (10mA Schottky), t=96 HRS	100%
ELECTRICAL TEST	IR, MIN. RATED Vb, Vf. NOTE 5: Vb TESTING NOT ON SCHOTTKY DEVICES. NOTE 8: POST BURN-IN MEASUREMENTS TO BE DONE WITHIN 96 HRS	100%
PDA	NOTE 7: 10% Reject Level	100%
EXTERNAL VISUAL	AFTER MARKING, PRIOR TO LOT ACCEPTANCE	LTPD

**Group A/B/C/E Example Qualification Tests:**

- **Group A (Electrical Verification)**
  - Electrical parameter testing over 3 temperatures-25C, Max and Min., Visual/Mechanical
- **Group B (Mechanical Verification)**
  - Physical Dimension, Solderability, Thermal Resistance, Temp. Cycling. Fine/Gross Leak, Intermittent Op. Life and/or Steady State Op. Life, High Temperature Life, all followed by electrical test
- **Group C (Long Term Reliability Verification)**
  - Thermal Shock, vibration, acceleration followed by electrical test
- **Group E (Package Qualification)**
  - Thermal Shock, Thermal Resistance, Temp. cycling, Bond strength, ESD

Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC40873-00	NDT1209	D_PPIN03FA3TPS	1N5767	GC40007-44	GC47698-206	GC10976-15	GC41873-012S	GC49003-12	GC48005-14	D_FRAH.ATPS
GC41083-00	NDT1214	D_PPIN05FA3TPS	GC40576-15	GC40280-15	GC47698-206/TR	GC11008-40	MPS4102-013S	GC49005-12	GC4800A-14	D_PZA6.8VTPS
GC41100-00	NDT1214/TR	HUM2001B	GC40576-15/TR	GC41211-17	MPC8100-206	GC11184-350A		GC49008-12	GC4801-14	D_RNRP.034TPS
GC41106-00	UM10015	HUM2001B/TR	GC41549A-155	GC41318-79C	MPL4700-206	GC11184-350A/TR		GC49012-12	GC48031-14	D_UPR15
GC41145-00	UM10015/TR	HUM20015M/TR	GC41549B-155	GC41502-00	MPL4700-206/TR	GC11185-23-0/TR		GC49059-12	GC48033-14	XT8007H
GC41146-00	UM9989B	HUM2005SM/TR	GC41549C-155	GC41542-03	MPL4701-206	GC11216-154-4		GC49060-12	GC48034-16	
GC41147-00	UM9989B/TR	HUM2010	GC41549D-155	GC41600-002	MPL4701-206/TR	GC11216-154-4/TR		GC49061-12	GC48035-14	
GC41427-01	UM9989SM	HUM2010/TR	GC41549E-155	GC41604-148	MPL4702-206	GC11236-11		GC49062-12	GC48037-16	
GC41602-00	UM9989SM/TR	HUM2010-00	GC41549F-155	GC41604-148/TR	MPL4702-206/TR	GC11237-11		GC49066-12	GC48044-14	
GC41605-00	UMX10015	HUM2010B	GC4490-00	GC41614-00	MPL4702-406	GC11249-00		GC49083-12	GC48046-14	
GC41686-00	UMX10015/TR	HUM2010B/TR	GC4490-02	GC41673-203	MPL4702-406/TR	GC11264-00		GC49093-12	GC48048-14	
GC41736-00	UMX10015AP	HUM2010SM	GC4490-150B	GC41748-00	MPL4703-206	GC11293-993-4		GC49141-12	GC48049-16	
GC42089-00	UMX10015AP/TR	HUM2010SM/TR	GC4490-150B/TR	GC41819-00	MPL4703-206/TR	GC11293-993-4/TR		GC49144-12	GC48052-14	
GC42139-00	UMX10015SM	HUM2015/TR	GC4491-115-2	GC41881-00	MPL4703-406	GC11308-00		GC49150-12	GC48053-16	
GC42200-00	UMX10015SM/TR	HUM2015B	GC4491-79	GC41918-M1	MPL4703-406/TR	GC11313-23-0/TR		GC49157-12	GC48055-14	
GC42264-00	UMX1089SM	HUM2015B/TR	GC4492-00	GC41918-M1/TR	MPP4201-206	GC11316-00		GC49158-12	GC48058-14	
GC42300-00	UMX1089SM/TR	HUM2015SM	GC4492-30	GC41969-01	MPP4201-206/TR	GC11317-00		GC49161-12	GC48059-14	
GC42320-01	UMX9989	HUM2015SM/TR	GC4493-01	GC41982A-M1	MPP4201A-206	GC14012-00		GC49162-12		
GC42407-02	UMX9989/TR	HUM2020/TR	GC4494-00	GC41982A-M1/TR	MPP4201A-206/TR	GC14095-00		GC49166-12		
GC42550-00	UMX9989AP	HUM2020B	GC4494-01	GC42051-13	MPP4202-206	GC14140-00		GC49168-112		
GC42558-00	UMX9989AP/TR	HUM2020B/TR	GC4600-00	GC42091-00	MPP4202-206/TR	GC14158-00		GC49169-12		
GC42560-00	UMX9989B	HUM2020C	GC4600-171	GC42107-04	MPP4203-206	GC14161-00		GC49171-12		
GC42586-00	UMX9989B/TR	HUM2020C/TR	GC4600-173	GC42117-03	MPP4203-206/TR	GC14165-00		GC49175-12		
GC42648-00	UMX9989SM	HUM2020D	GC4602-110C	GC42147-00	MPP4204-206	GC14166-00		GC49176-12		
GC42657-01	UMX9989SM/TR	HUM2020D/TR	GC4602-171	GC42148-00	MPP4204-206/TR	GC15399-00		GC49178-12		
GC43380-02		HUM2020SM	GC4602-172	GC42203-00	MPP4205-206	GC15542-00		GC4921-112		
GC43392-00		HUM2020SM/TR	GC4602-173	GC4221-00	MPP4205-206/TR	GC15561-150D		GC4941-12		
GC43453-00		UM10016	GC4603-173	GC42239-00	MPP4205A-206	GC15614-00		GC4942-12		
GC43482-115-2		UM10019	LSP1011-454-2/TR	GC4224-00	MPP4205A-206/TR	GC15620-150A		GC4943-12		
GC4701-01		UM10019/TR	MML4401-GM2	GC4225-00	MPP4206-206	GC15620-150A/TR		GC4944-12		
GC4701-35		UM10024	MML4401-GM2/TR	GC4225-150B	MPP4206-206/TR	GC15621-150A		GC4946-12		
GC4701-42		UM10034-00	MML4401-GM3	GC4225-150B/TR	MPP4402-206	GC15621-150A/TR		GC4951-12		
GC4702-00		UM100506SM	MML4401-GM3/TR	GC42271-02	MPP4402-206/TR	GC15625-00		GC4964-12		
GC4702-115-2		UM100506SM/TR	MML4402-GM2	GC42274-M1	MPP4403-206	GC15630-150A		GC4965-12		
GC4702-149		UM2101SM	MML4402-GM2/TR	GC42274-M1/TR	MPP4403-206/TR	GC15630-150A/TR		GC4974-12		
GC47086-00		UM2101SM/TR	MML4402-GM3	GC42275-M1/TR	MPP4404-206	GC15654-454-4		GC4981-12		
GC47104-89		UM2102CR	MML4402-GM3/TR	GC42309-00	MPP4404-206/TR	GC15660-00		GC4982-12		
GC4711-00		UM2102D	MML4403-GM2	GC42336-00	MPS2R10-606	GC15718-00		GC49943-12		
GC4711-149		UM2102D/TR	MML4403-GM2/TR	GC42340-15	MPS2R10-606/TR	GC15749-00		GC49947-12		
GC4711-30		UM2104CR	MMP4401-GM2/TR	GC42340-15/TR	MPS2R11-608	GC1713-15		GC49948-12		
GC4711-35		UM2104CR/TR	MMP4402-GM2	GC42351-13	MPS2R11-608/TR	GC1719-192		GC49949-12		
GC4711-92		UM2104SM	MMP4402-GM2/TR	GC42354-01	MPV19002-206	GC19111-00		GC49957-12		
GC4712-00		UM2104SM/TR	MMP4404-GM2	GC42367-M1	MPV19002-206/TR	GC19121-00		GC49958-12		
GC4712-115-2		UM2106B	MMP4404-GM2/TR	GC42367-M1/TR	MPV2100-206	GC19122-00		GC4996-12		
GC4712-150A		UM2106B/TR	MMP4405-GM2/TR	GC42370-M1	MPV2100-206/TR	GC25177-00		GC49966-12		
GC4712-42		UM2106D		GC42370-M1/TR	MPV21004-206	GC41312-00		GC49969-12		
GC47125-00		UM2106D/TR		GC42372-M1	MPV21004-206/TR	GMV15007-GM1/TR		GC49972-12		
GC47127-00		UM2110B		GC42372-M1/TR	MPV21010-206	H37-0998-11		GC49973-12		
GC4713-00		UM2110B/TR		GC42384-02	MPV21010-206/TR	H38-6030-157E		GC49977-12		
GC4713-115-2		UM2110D		GC42385-M1		HSV1004-00		GC49978-12		
GC4713-129A		UM2110D/TR		GC42385-M1/TR		KV2123-450A/TR		GC49988-12		
GC4713-154-4		UM4001B		GC42392-00		KV2153-150A/TR		GC49992-12		
GC4713-30		UM4001B/TR		GC42399-00		KV2163-150A/TR		GC49993-12		
GC4713-35		UM4001BHR2		GC42402-00		KVX1501-23-0		GC49996-12		
GC47142-00		UM4001BHR2/TR		GC42403-00		KVX1501-23-0/TR		GC49997-12		

Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC47149-00		UM4001C		GC42404-00		KVX2132-23-0				
GC47179-00		UM4001C/TR		GC42405-M1		KVX2132-23-0/TR				
GC47204-01		UM4001D		GC42405-M1/TR		KVX2152-23-0/TR				
GC4721-00		UM4001D/TR		GC42409-M1		KVX2201-23-0/TR				
GC4721-01		UM4001E		GC42409-M1/TR		KVX2801-23-4/TR				
GC4721-30		UM4001E/TR		GC42414-01		KVX31S1-23-0				
GC4721-42		UM4001SM		GC42422-00		KVX31S1-23-0/TR				
GC4722-00		UM4001SM/TR		GC42424-00		KVX38S2-23-0/TR				
GC4722-115-2		UM4002B		GC42463-00		U21-3050-23-4/TR				
GC4722-30		UM4002B/TR		GC42464-115-2		U28-1075-23-0				
GC4723-00		UM4002CR/TR		GC42472-303		U28-1075-23-0/TR				
GC4723-115-2		UM4002D		GC42482-129A		U28-6721-23-4				
GC4723-150B		UM4002D/TR		GC42499-02		U28-6721-23-4/TR				
GC4723-42		UM4002SM		GC42501-M1		V33-1672-23-0				
GC4723-79		UM4002SM/TR		GC42501-M1/TR		V33-1672-23-0/TR				
GC47234-00		UM4006B		GC42505-654-5		V33-7020-23-0				
GC47242-150A		UM4006B/TR		GC42505-654-5/TR		V33-7020-23-0/TR				
GC47243-150A		UM4006C		GC42514-00		V33-7070-183				
GC47270-00		UM4006C/TR		GC42549-M1/TR		V34-7080-183				
GC47272-00		UM4006D		GC42569-00		V35-7050-350D				
GC47292-186-3		UM4006D/TR		GC42572-115-2		V35-7050-350D/TR				
GC47293-186-3		UM4006SM		GC42578-82		V35-7090-283				
GC47300-00		UM4006SM/TR		GC42584-31		V35-7090-283/TR				
GC4731-00		UM4010A		GC42592-00						
GC4731-115-2		UM4010A/TR		GC42615-00						
GC4731-129A		UM4010B		GC42617-454-5						
GC4731-150A		UM4010B/TR		GC42625-79						
GC4731-150A-AP		UM4010C		GC42628-00						
GC4731-150C		UM4010C/TR		GC42639-30						
GC4731-30		UM4010CR		GC42640-30						
GC4731-79		UM4010CR/TR		GC42641-30						
GC4732-00		UM4010D		GC42645-00						
GC4732-150A		UM4010D/TR		GC42652-00						
GC4732-186-3		UM4010DR		GC42658-00						
GC47356-00		UM4010DR/TR		GC42672-00						
GC47358-01		UM4010SM		GC4410-00						
GC47359-150A		UM4010SM/TR		GC4410-186-3/TR						
GC47361-186-3		UM7101B		GC4430-00						
GC47383-00		UM7101B/TR		GC4431-01						
GC47385-35		UM7101C		GC4432-115-2						
GC47402-30		UM7101C/TR		GC4432-M1						
GC47403-30		UM7102B		GC4432-M1/TR						
GC47409-01		UM7102B/TR		GC4530-00						
GC4741-00		UM7102E		GC47362-13						
GC4741-30		UM7102E/TR		GC47413-002-01						
GC47410-01		UM7102SM		GC47438-00						
GC4742-00		UM7102SM/TR		GC47474-002						
GC4742-42		UM7104B		GC4750-002						
GC47423-00		UM7104B/TR		GC4750-115-2						
GC47429-110		UM7104D		GC4750-42						
GC47439-00		UM7104D/TR		GC47560-002						
GC47442-01		UM7104DR		GC47580-002						
GC47455-02		UM7104DR/TR		GC47597-30						
GC47463-150B		UM7104E		GC47758-002						
GC47471-00		UM7104E/TR		GC47769-30						



Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC47472-00		UM7104F		GCX42380-M1						
GC47483-00		UM7108B		GCX42380-M1/TR						
GC47488-00		UM7108B/TR		GMP4232-GM1						
GC47490-01		UM7108C		GMP4232-GM1/TR						
GC47511-00		UM7108C/TR		GMP4235-GM1						
GC47515-00		UM7108D		GMP4235-GM1/TR						
GC47516-00		UM7108D/TR		GMP4236-GM1						
GC47517-00		UM7108F		GMP4236-GM1/TR						
GC47518-00		UM7108SM		LSP1005-154-8						
GC47521-00		UM7108SM/TR		LSP1005-154-8/TR						
GC47527-229B		UM7504B		LXP1002-23-3						
GC47528-229B		UM7504B/TR		LXP1002-23-3/TR						
GC47533-30		UM7504E		MMP4403-GM2/TR						
GC47535-207		UM7504E/TR		SM0502-M1						
GC47535-208		UM7512CR		SM0502-M1/TR						
GC47538-00		UM7512DR		SM0504-M1						
GC47540-00		UM7512DR/TR		SM0504-M1/TR						
GC47558-01		UM7514D		SM0508-M1						
GC47563-01		UM7514D/TR		SM0508-M1/TR						
GC47564-192AP		UM7514SM		SM0509-M1						
GC47567-00		UM7514SM/TR		SM0509-M1/TR						
GC47576-150A-AP		UM9158		SM0511-M1						
GC47587-82		UM9401		SM0511-M1/TR						
GC47588-30		UM9401/TR		SM0512-M1						
GC47589-00		UM9401B/TR		SM0512-M1/TR						
GC47592-00		UM9401F		SM1001-M1						
GC47598-00		UM9401SM		SM1001-M1/TR						
GC47608-13		UM9401SM/TR		SMX0502-M1						
GC47612-00		UM9402		SMX0502-M1/TR						
GC47615-00		UM9415		SMX0504-M1						
GC47618-42		UM9415/TR		SMX0504-M1/TR						
GC47620-00		UM9415SM		SMX0508-M1						
GC47625-00		UM9415SM/TR		SMX0508-M1/TR						
GC47647-00		UM9601		SMX0509-M1/TR						
GC47653-150A-AP		UM9602		SMX0511-M1/TR						
GC47660-150A		UM9604		SMX0512-M1/TR						
GC47664-00		UM9711								
GC47668-192AP		UM9963								
GC47684-00		UM9970								
GC47693-150B		UM9970/TR								
GC47694-89		UM9995								
GC47697-206		UM9995SM								
GC47700-113		UM9997								
GC47708-00		UM9997/TR								
GC47720-00		UM9998								
GC47721-186-3		UMX10029								
GC47722-186-3		UMX10044								
GC47724-00		UMX4001B								
GC47727-115-2		UMX4001B/TR								
GC47732-45		UMX4001SM								
GC47733-192AP		UMX4001SM/TR								
GC47735-00		UMX4002B								
GC47737-00		UMX4002B/TR								
GC47740-002		UMX4002SM								
GC47743-00		UMX4002SM/TR								

Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC47747-00		UMX4006B								
GC47748-002		UMX4006B/TR								
GC47752-30		UMX4006SM/TR								
GC47757-00		UMX504								
GC47763-002		UMX504/TR								
GC47764-00		UMX509								
GC47765-00		UMX5101SM								
GC47766-00		UMX5101SM/TR								
GC47767-00		UMX5601SM								
GC47768-00		UMX5601SM/TR								
GC47771-002		UMX5610SM/TR								
GC47772-00		UMX7102B								
GC47772-13		UMX7102B/TR								
GC47778-00		UMX812								
GC47781-00		UMX9401								
GML4701-GM1		UMX9401/TR								
GC42141-01		UMX9401SM/TR								
GC42468-00		UMX9415								
GC4310-00		UMX9415/TR								
GC4310-01		UMX9415B								
GC4312-00		UMX9415B/TR								
GC4321-01		UMX9415SM/TR								
GC61134-150B		UMX9501FMR								
GC61143-183		UMX9892SM								
GC61146-150A		UMX9892SM/TR								
GMP4201-GM1		UMX9963								
GMP4202-GM1		UMX9963/TR								
GMP4211-GM1		UMX9997								
GMP4212-GM1		UMX9997/TR								
GMP4215-GM1		UX9401F								
LXP1000-23-2		UX9401F/TR								
GC32169-115-2										
GC41926-454-5										
GC41926-654-5										
GC42038-00										
GC4210-00										
GC4210-01										
GC4210-150A										
GC4210-154-2										
GC4212-00										
GC4215-154-2										
GC42172-00										
GC42211-00										
GC42294-02										
GC42415-00										
GC42417-00										
GC42481-00										
GC42508-00										
GC42551-450A										
GC42616-00										
GC6003-150A										
GC25193-450A										
GC4270-00										
GC4270-01										
GC4271-00										

Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC4271-01										
GC14063-00										
GC14150-149										
GC15001-00										
GC15001-450A										
GC15002-00										
GC15004-00										
GC15005-00										
GC15005-79										
GC15006-00										
GC15006-127A										
GC15006-152										
GC15006-450A										
GC15007-127A										
GC15007-150A										
GC15008-00										
GC15008-150A										
GC15008-450A										
GC15008-79										
GC15009-00										
GC15009-450A										
GC1500A-00										
GC1501-00										
GC15010-00										
GC15011-00										
GC15012-00										
GC15012-150D										
GC15013-00										
GC15493-00										
GC15663-00										
GC15676-00										
GC15696-150A										
GC15707-00										
GC15711-150A										
GC15715-150A										
GC15716-150A										
GC15723-30										
GC15724-00										
GC15725-00										
GC15730-04										
GC15733-00										
GC15735-00										
GC19109-150A										
GC42051-13										
GC42052-00										
GC11063-00										
GC11125-00										
GC11200-00										
GC11206-00										
GC11220-35										
GC11234-00										
GC11250-154-0										
GC11253-00										
GC11275-00										
GC11291-00										

Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC11307-00										
GC11279-00										
GC11311-00										
GC1213-23-0										
GC1301-450A										
GC1307-150A										
GC14121-04										
GC14131-77-1										
GC14147-00										
GC14156-00										
GC14163-00										
GC14168-00										
GC14169-00										
GC14170-00										
GC14177-00										
GC14178-00										
GC15649-00										
GC15651-00										
GC15679-00										
GC15697-00										
GC15702-00										
GC15710-150A										
GC15731-00										
GC1602-85										
GC1608-85										
GC1610-85										
GC1611-85										
GC19003-23-4										
GC20596-150A										
GC2510-00										
GC2510-150A										
GC2510-17										
GC25116-149										
GC25153-00										
GC25154-42										
GC25156-42										
GC25176-45										
GC25186-150A										
GC25196-00										
GC2520-00										
GC2521-450A										
GC2532-17										
GC2545-17										
GC2546-17										
GC6002-00										
GC6002-150A										
GC6002-17										
GC6002-350A										
GC60068-149										
GC60099-149										
GC60117-00										
GC60118-00										
GC60123-17										
GC61133-79										
GC61137-30										

Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC61140-00										
GC61142-79										
KV1913A-150A										
KV1993A-150A										
KV2001-00										
KV2101-00										
KV2111-00										
KV2113-154-4										
KV2133-150A										
KV2151-00										
KV2161-00										
KV2163-00										
KV2163-350A										
KV2201-00										
KV2501-17										
KV2801-00										
KV658-156E										
KVX2001-23-0										
KVX2122-23-0										
KVX2162-23-0										
KVX2301-23-0										
KVX3901A-23-0										
KVX3901A-23-4										
U17-3853-23-0										
U21-1066-00										
U21-3709-00										
U28-1051-00										
GC41018-00										
GC41141-00										
GC41283-00										
GC41339-00										
GC41358-00										
GC41470-00										
GC41473-00										
GC41551-00										
GC41619-00										
GC41704-00										
GC41789-00										
GC41861-00										
GC41977-02										
GC4211-00										
GC42154-00										
GC42176-00										
GC4220-00										
GC4220-01										
GC42267-00										
GC42321-00										
GC42366-00										
GC42416-01										
GC42426-01										
GC42446-00										
GC42447-00										
GC42448-00										
GC42449-00										
GC42476-00										

Affected Catalog Part Numbers (CPN)

****Catalog Part Numbers by Process Technology (please scroll down and across to view all parts)****										
Process Tech-1	Process Tech-2	Process Tech-3	Process Tech-4	Process Tech-5	Process Tech-6	Process Tech-7	Process Tech-8	Process Tech-9	Process Tech-10	Process Tech-11
GC42506-01										
GC42522-01										
GC42546-15										
GC42559-00										
GC42573-150A										
GC42585-00										
GC42651-00										
GC42653-00										
GC4411-01										
LXP1002-23-4										
LXP1004-154-8										
LXP1004-23-0										
GC76773-115-2										
GCX1210-23-4										
GMV1542-GM1										
GMV2114-GM1										
GMV2134-GM1										
GMV2154-GM1										
H34-1285-00										
H34-1286C-00										
H34-2003-00										
H34-2004-00										
V20-0507-00										
V20-6140-11										