

MACOM

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19th February, 2024

Digi-Key Corporation
701 Brooks Ave South
Thief River Falls, Minnesota 56701

ATTN: Quality/Purchasing Manager

PCN-01705

Subject: Adding additional assembly and testing site.

Dear Valued Customer,

MACOM Technology Solutions has a goal of providing redundant manufacturing capability for increased surge capacity as well as an uninterrupted supply chain. In alignment with this goal, we are pleased to announce an additional assembly and testing site for the parts listed in the next pages.

In addition to our current sites, we plan to assemble and test these parts at our long-standing Contract Manufacturer, Year 2000, Ho Chi Minh City, Vietnam. Year 2000 is a valued, high-quality manufacturing partner for many MACOM products.

In accordance with MACOM Technology Solutions' customer notification policy, you are receiving this notice because you have purchased one or more of the products listed in the previous two-year period.

Please contact your local sales representative if you have any specific questions.

Sincerely

Jeff Maeda
Senior Product Marketing Manager
Jeffrey.Maeda@macom.com

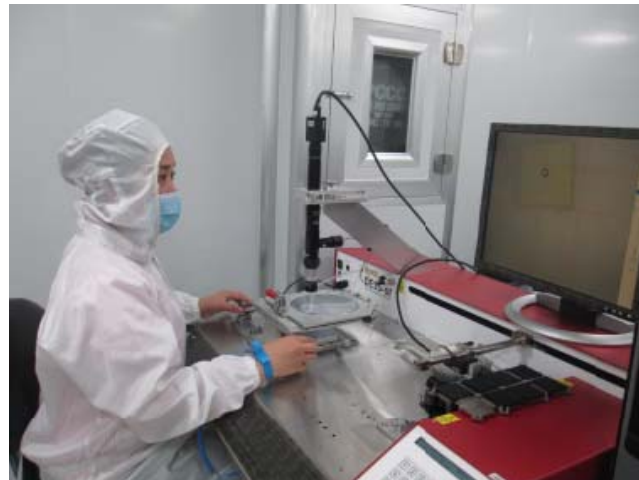
PCN Number: PCN-01705		PCN Date: 19th February, 2024	
Title: Adding additional assembly and testing site.			
Proposed 1st Ship Date: April 29th, 2024		Estimated Sample Availability: Sample's availability based on the transfer progress of each part case by case	
Change Type:			
Assembly Site	X	Design	Electrical Specification
Test Site	X	Assembly Process	Mechanical Specification
Test Process		Assembly Materials	Packing/Shipping/Labeling
PCN Details			
Description of Change:			
MACOM has identified a second source to assemble and test the affected parts. There is no change to the form, fit, materials, or performance of the device as a result of this change.			
Reason for Change:			
Increase the flexibility and continuity of supply.			
Products Affected:			
See next pages.			
Anticipated impact on Fit, Form, Function:			
Form, Fit and Function unaffected.			
Changes to product identification resulting from this PCN:			
None			

Appendix I
Affected part numbers

Part Number	Case type
SM4TH	R-300-001
SFD25	R-300-001
SFD25H	R-300-001
SFD26	R-300-001
SM4A	R-300-001
SM4G	R-300-001
SM4T	R-300-001
SM4T17	R-300-001
SM5T	R-300-001
SM5T17	R-300-001
SM5TH	R-300-001
SM6V	R-300-001

M2T	TO-8
FD25	TO-8
FD25H	TO-8
FD26	TO-8
M2B	TO-8
M2E	TO-8
M2G	TO-8
M8H-3	TO-8
M8TH	TO-8
M9H	TO-8

Appendix II
The new assembly and testing facility



Appendix III

Qualification process capability data

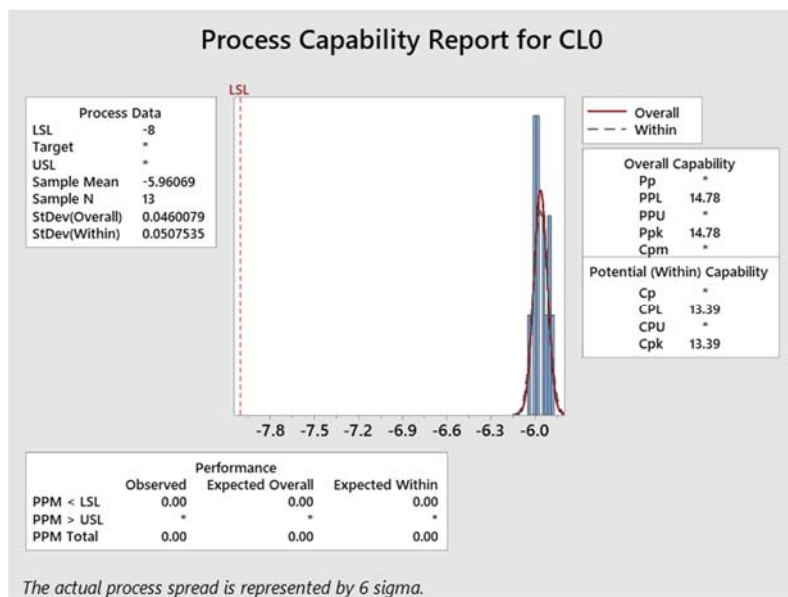
The representative part numbers (SM4TH and M2T) are tested and qualified in Year 2000 as below, and the rest parts in the PCN can be qualified by similarity to the representative parts as they have the same production process.

1. R-300-001 case.

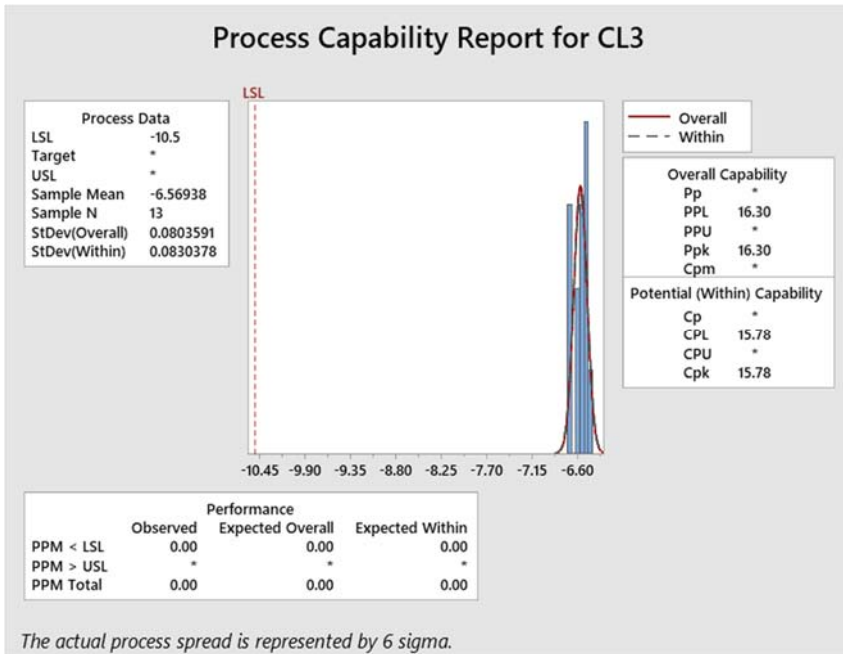
SM4TH

Isolation Output:

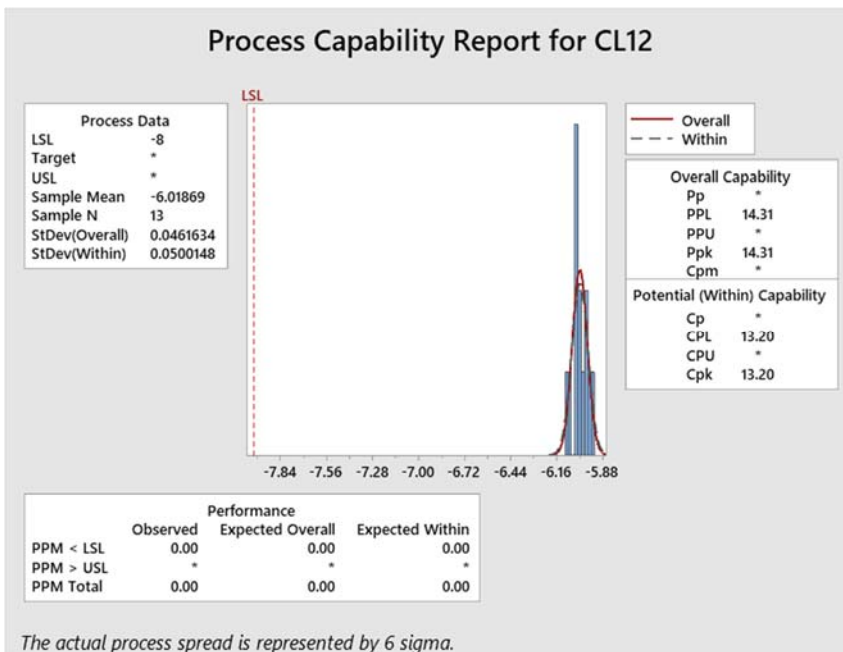
CL0:



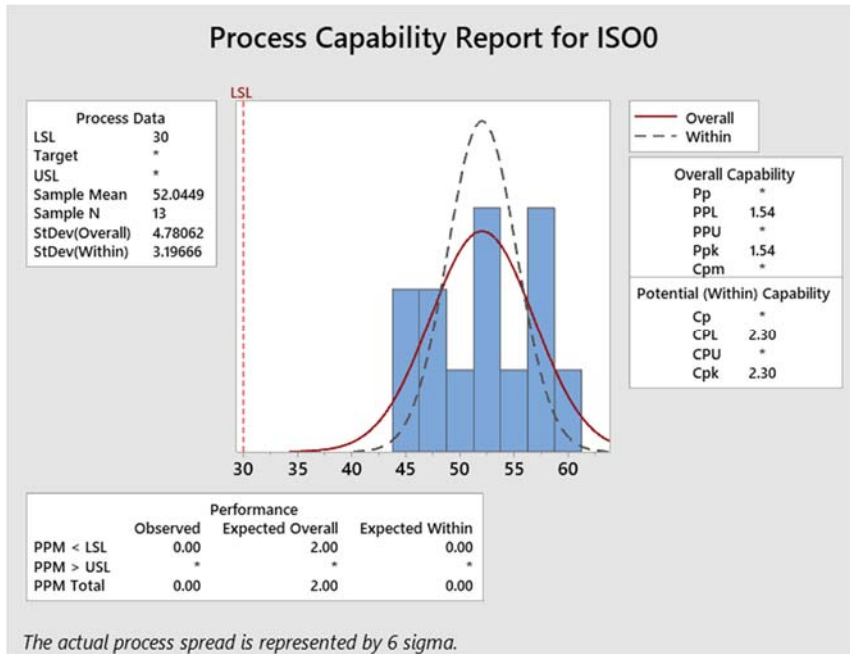
CL3:



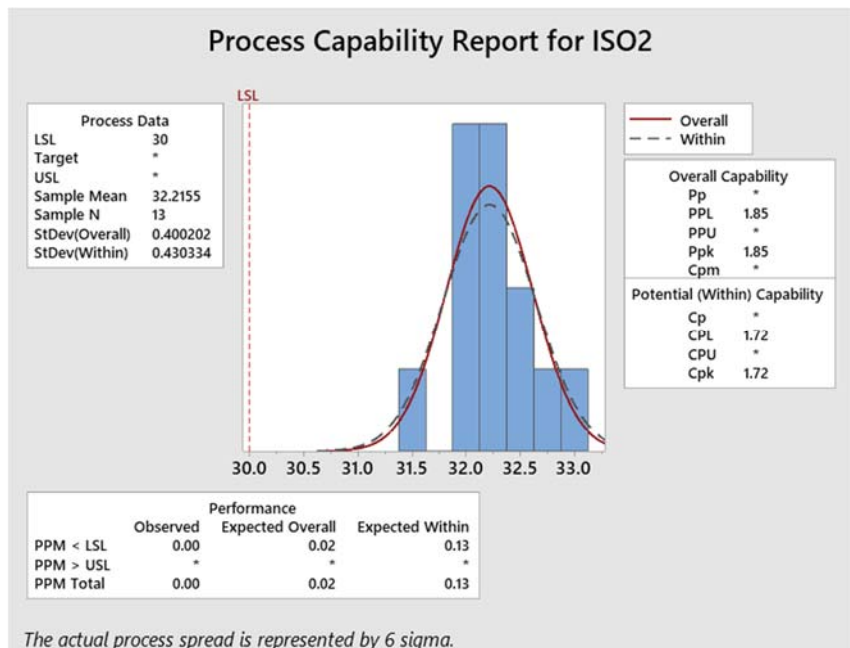
CL12:



ISO0:

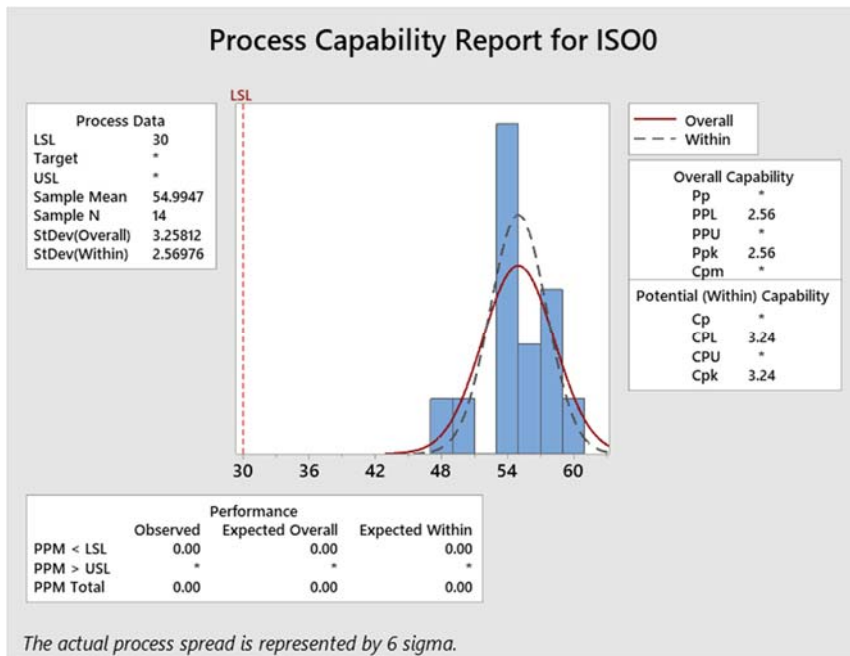


ISO2:

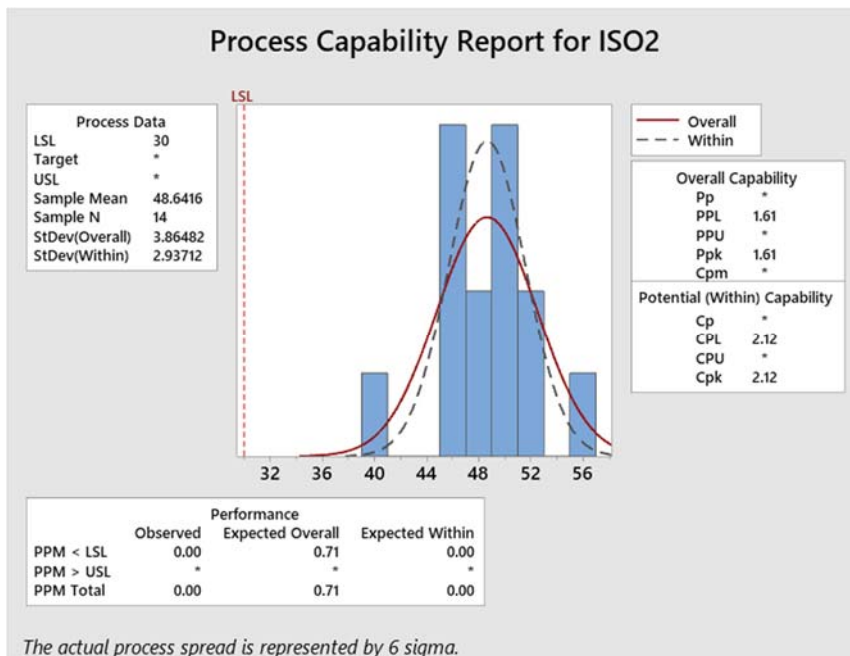


Isolation Input:

ISO0:



ISO2:

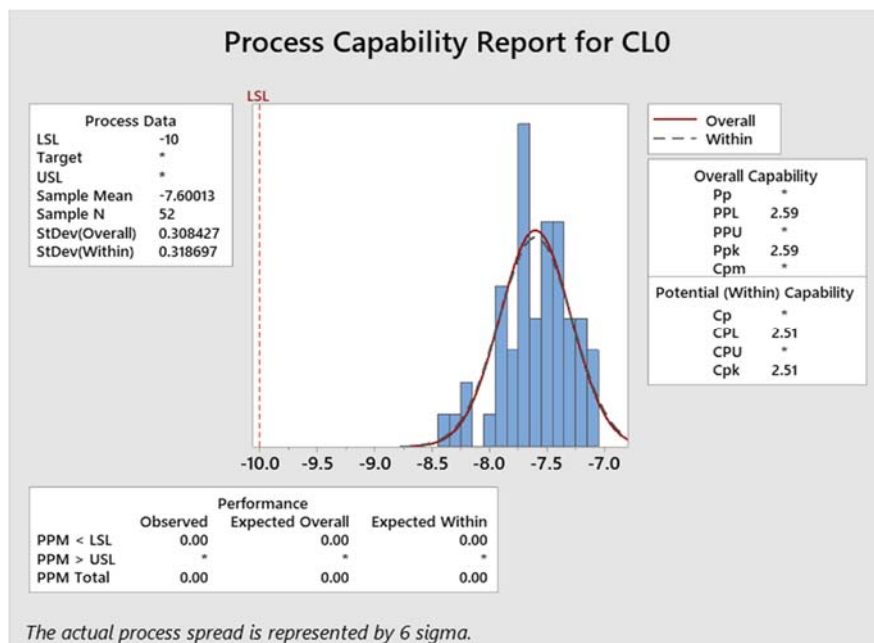


2. TO-8 Case.

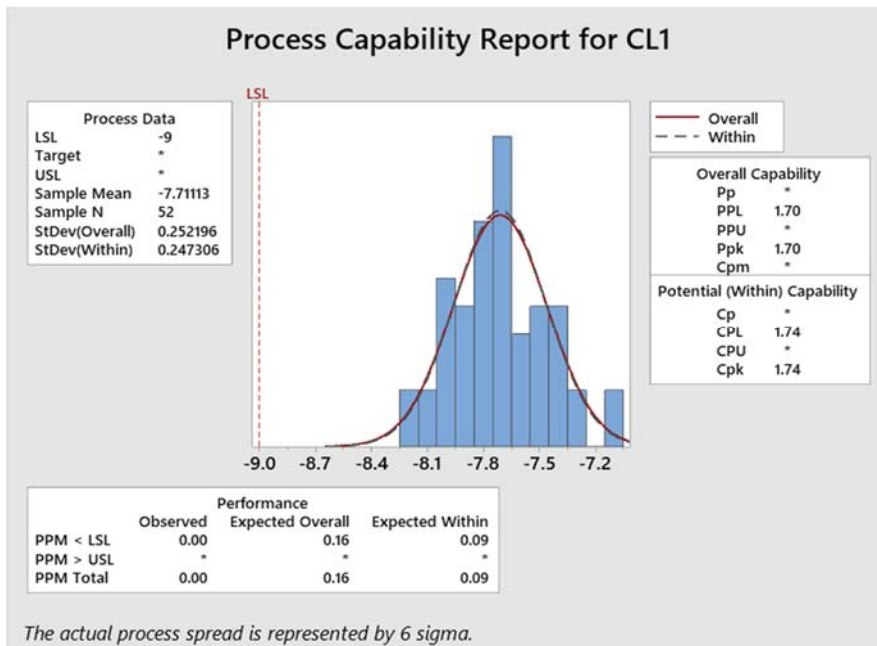
M2T

Isolation Output:

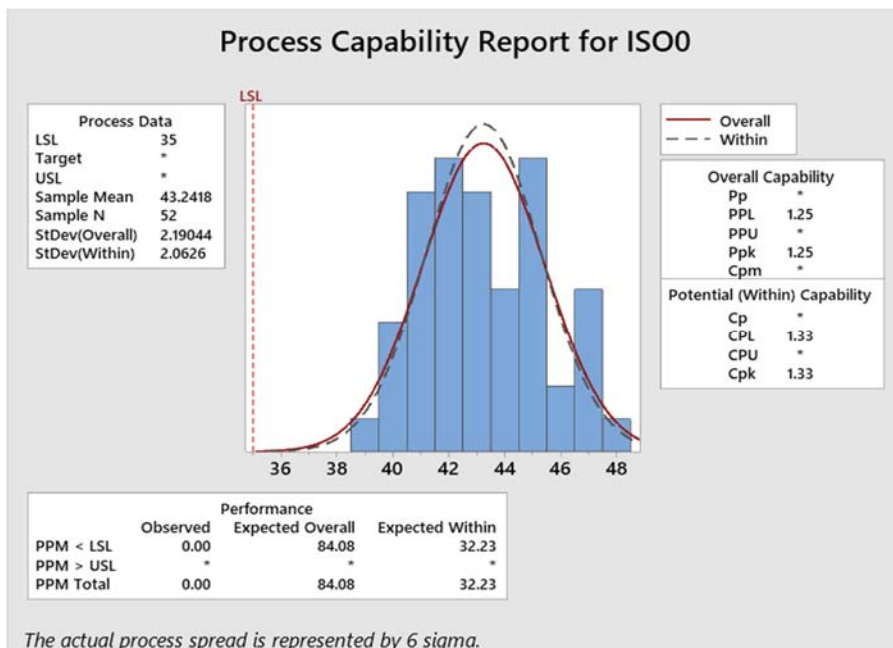
CL0:



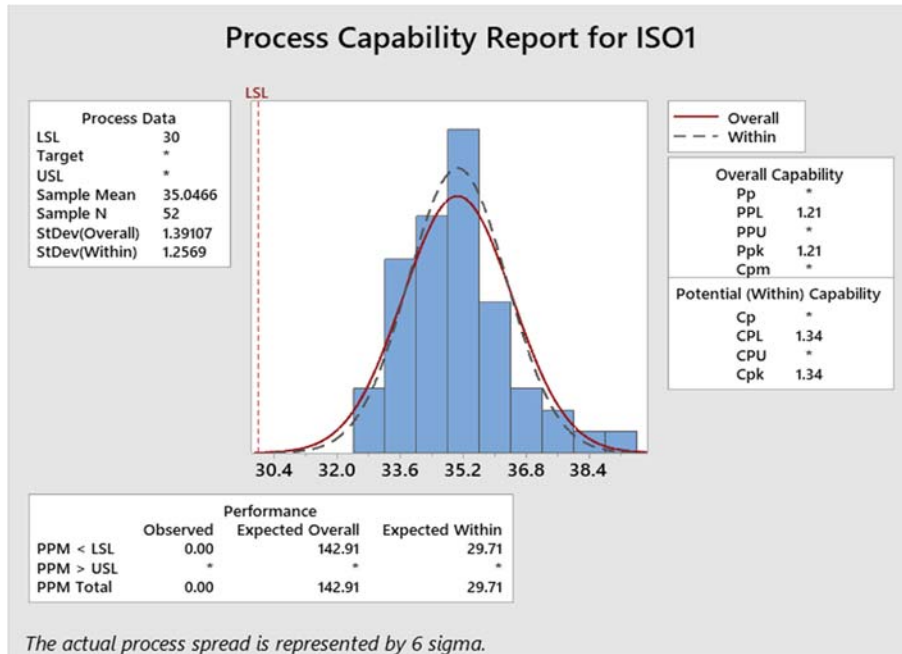
CL1:



ISO0:

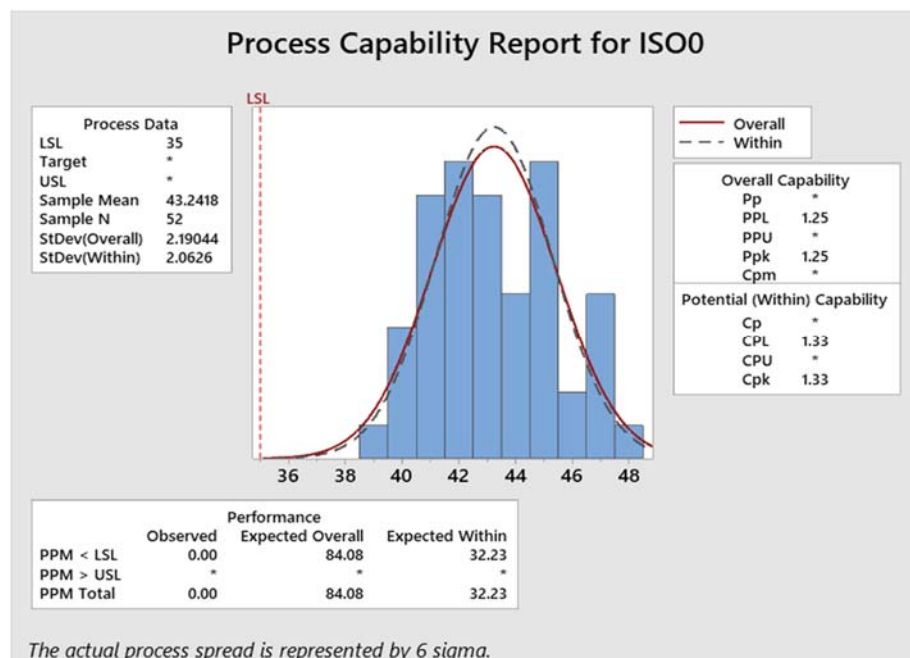


ISO1:

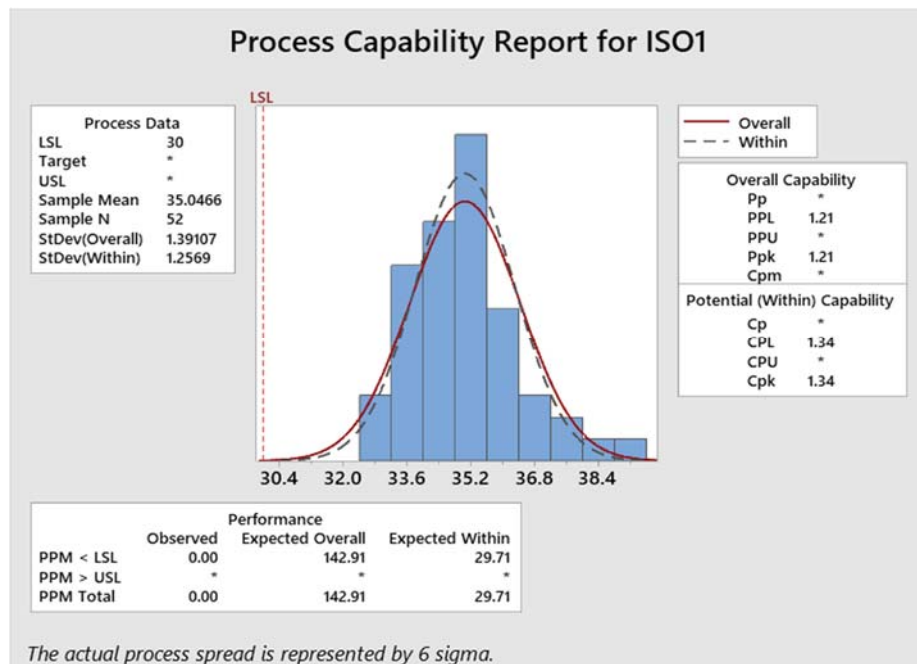


Isolation Input:

ISO0:



ISO1:



Appendix IV Qualification Gage R&R testing data

1. SM4TH test parameters

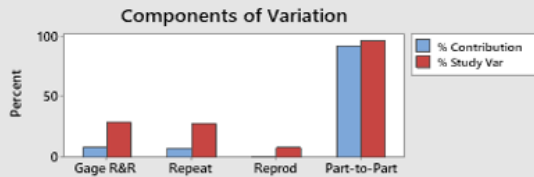
GR&R summary:

Isolation Output:

Parameter	GR&R Contribution % GR&R	GR&R Variation% GR&R	Result
CL0	8.54	29.23	PASS
CL3	8.4	28.98	PASS
CL12	8.33	28.86	PASS
ISO0	0.84	9.18	PASS
ISO2	3.68	19.18	PASS

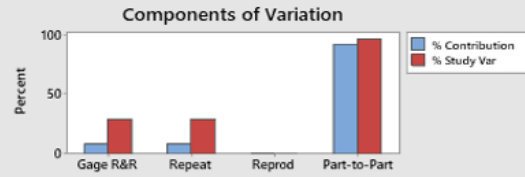
Gage R&R (ANOVA) Report for CL0

Gage name:
Date of study:



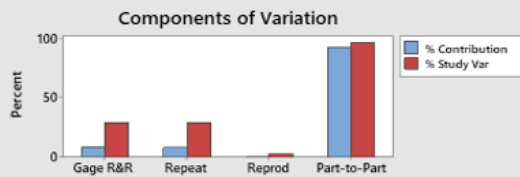
Gage R&R (ANOVA) Report for CL3

Gage name:
Date of study:



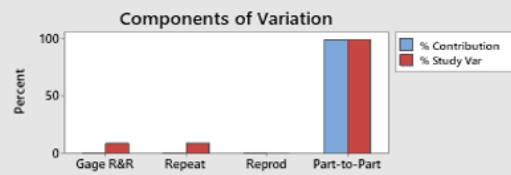
Gage R&R (ANOVA) Report for CL12

Gage name:
Date of study:



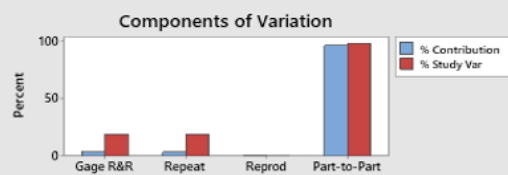
Gage R&R (ANOVA) Report for ISO0

Gage name:
Date of study:



Gage R&R (ANOVA) Report for ISO2

Gage name:
Date of study:

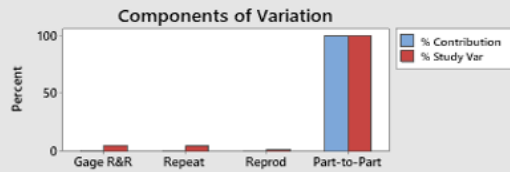


Isolation Input:

Specification:-			
a) GR&R Contribution % $\leq 10\%$			
b) GR&R Variation % $\leq 30\%$			
Parameter	GR&R Contribution % GR&R	GR&R Variation% GR&R	Result
ISO1	0.29	5.38	PASS
ISO3	1.8	13.43	PASS

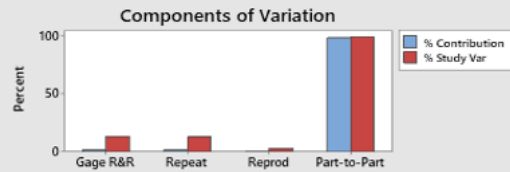
Gage R&R (ANOVA) Report for ISO1

Gage name:
Date of study:



Gage R&R (ANOVA) Report for ISO3

Gage name:
Date of study:



2. M2T test parameters

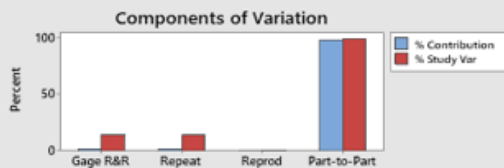
GR&R summary:

Isolation Output:

Specification:-			
a) GR&R Contribution % $\leq 10\%$			
b) GR&R Variation % $\leq 30\%$			
Parameter	GR&R Contribution % GR&R	GR&R Variation% GR&R	Result
CL0	1.98	14.06	PASS
CL1	0.11	3.37	PASS
ISO0	0.01	0.94	PASS
ISO1	2.47	15.71	PASS

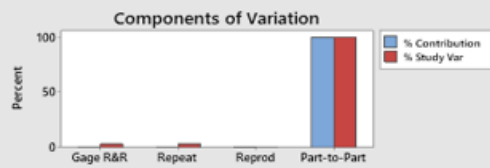
Gage R&R (ANOVA) Report for CL0

Gage name:
Date of study:



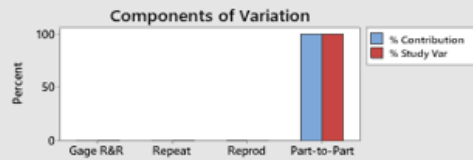
Gage R&R (ANOVA) Report for CL1

Gage name:
Date of study:



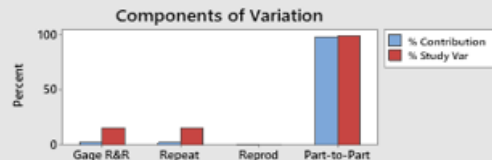
Gage R&R (ANOVA) Report for ISO0

Gage name:
Date of study:



Gage R&R (ANOVA) Report for ISO1

Gage name:
Date of study:



Isolation Input:

Specification:-			
a) GR&R Contribution %	$\leq 10\%$		
b) GR&R Variation %	$\leq 30\%$		
Parameter	GR&R Contribution % GR&R	GR&R Variation% GR&R	Result
ISO0	5.97	24.43	PASS
ISO1	0.03	1.81	PASS

Gage R&R (ANOVA) Report for ISO0

Gage name:
Date of study:



Gage R&R (ANOVA) Report for ISO1

Gage name:
Date of study:

