

10

9

8

7

6

5

4

3

2

1

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5</

Sumitomo Electric Wiring Systems, NC.-Components Division

PROCESS FLOW DIAGRAM

KEY CONTACT/DEPT. LOC. Debbie Gillenwater/Leroy Roth-QA Dept.
PHONE (270) 237-5419-X8563 & 8555 FAX (270) 237-4653

PRODUCT : Various Assembled Parts
PROCESS: Assembled Molded Parts
Supplier/Loc. SEWS-FR1
Mfg. Sup.: DJ Barnes
Prepared By: John Fraim/Eli Jones

SUPPLIER APPROVALS:
Plant Manager [Signature]
Quality Manager [Signature]
Other Approval _____

CUSTOMER APPROVALS:(IF REQUIRED)

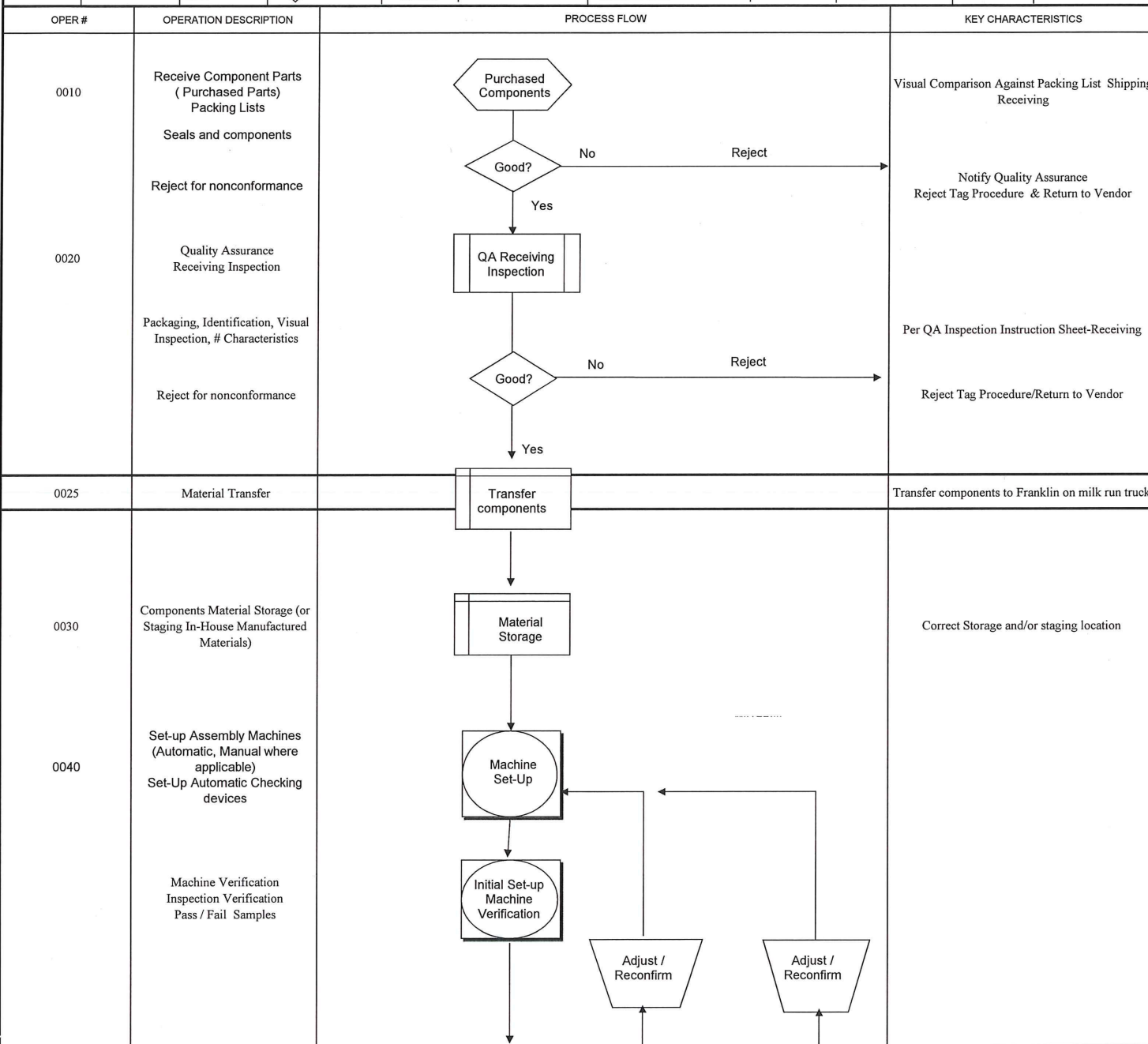
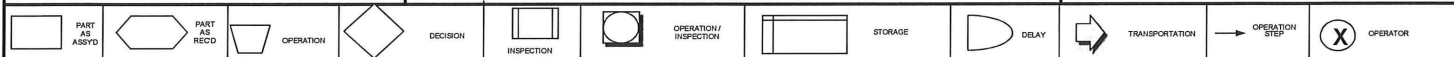
1.19.18 Franklin Initial

DATE

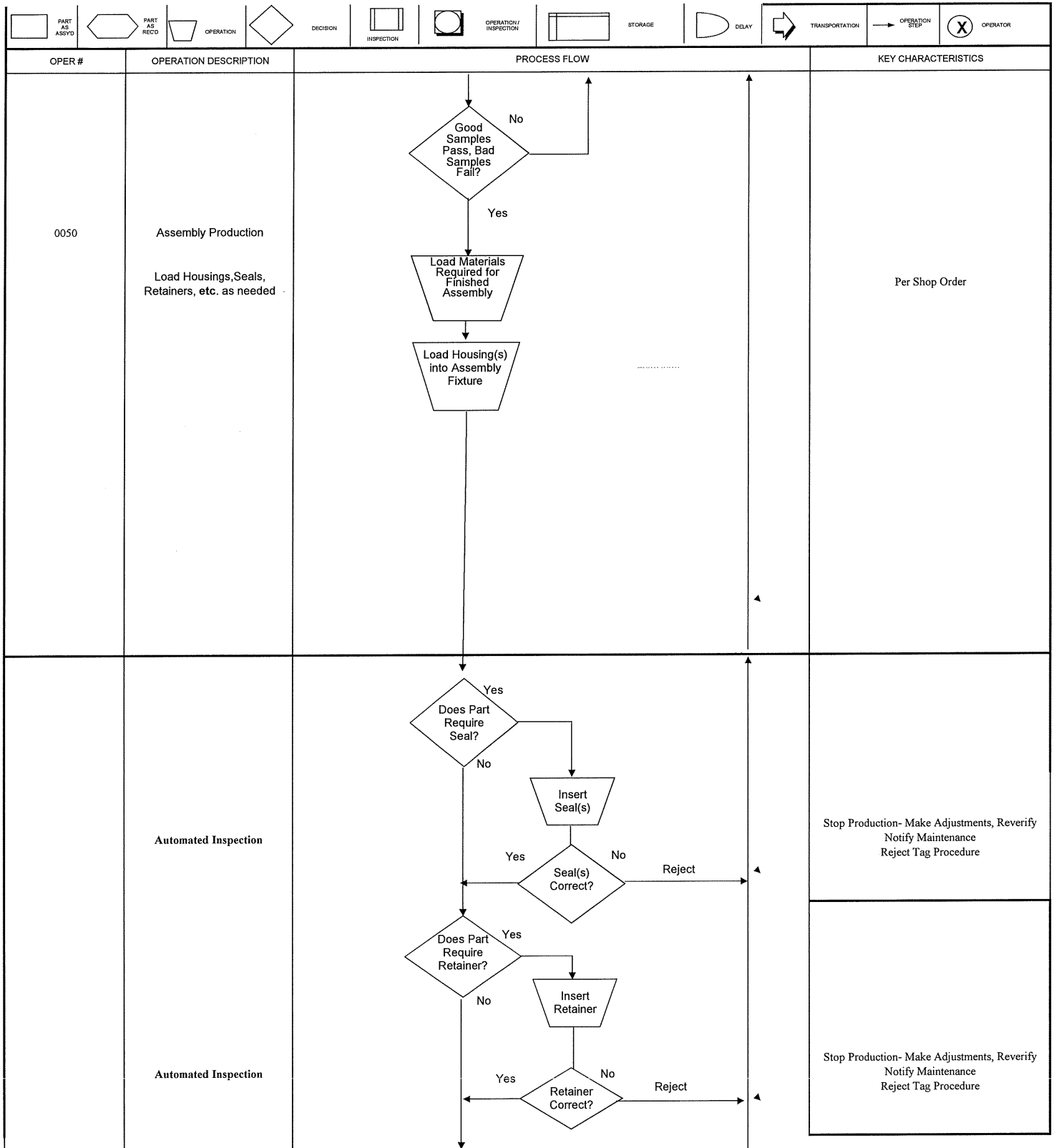
CHANGE POINTS

CORE/DEV. TEAM

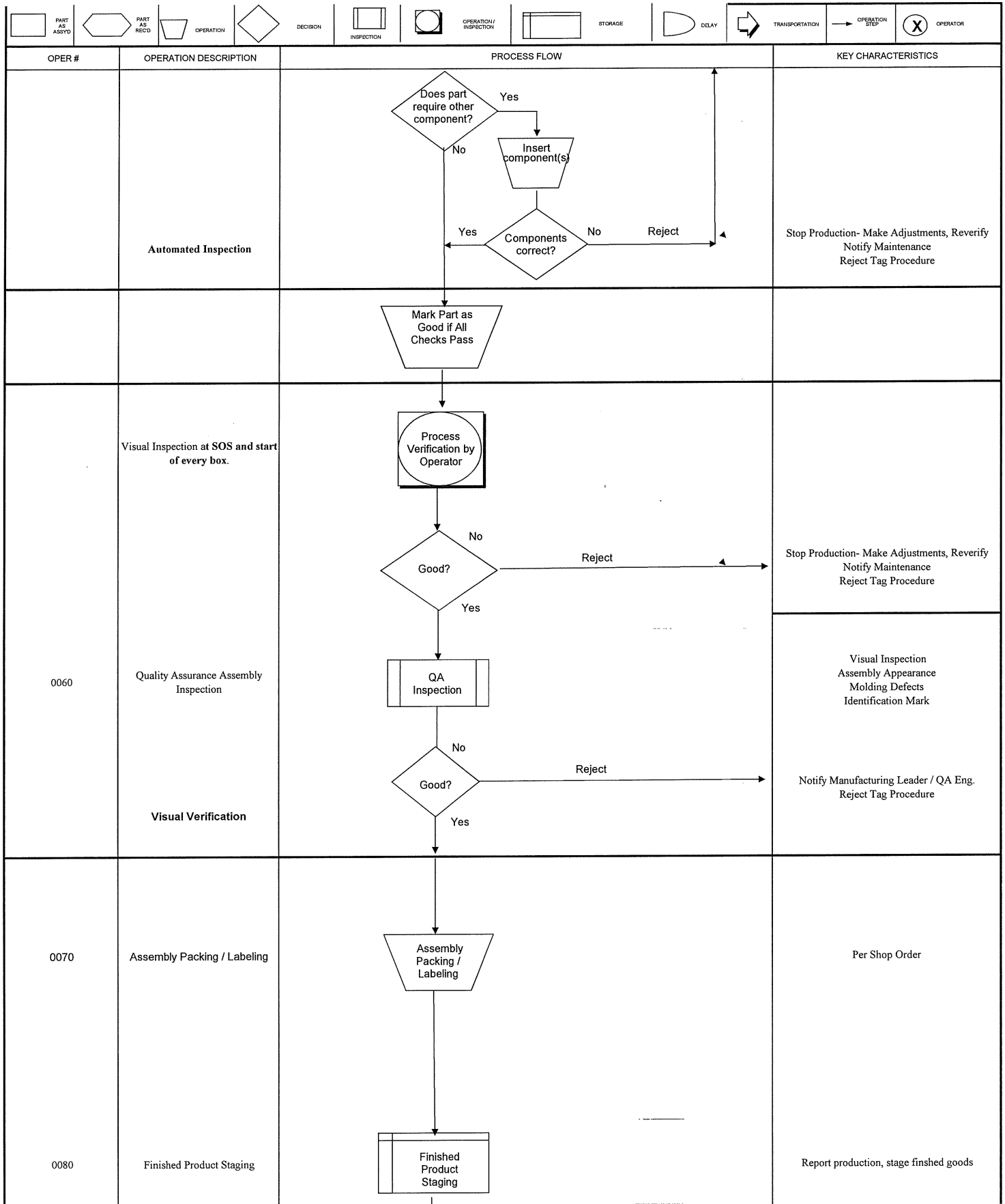
ISSUE/REVISION HISTORY



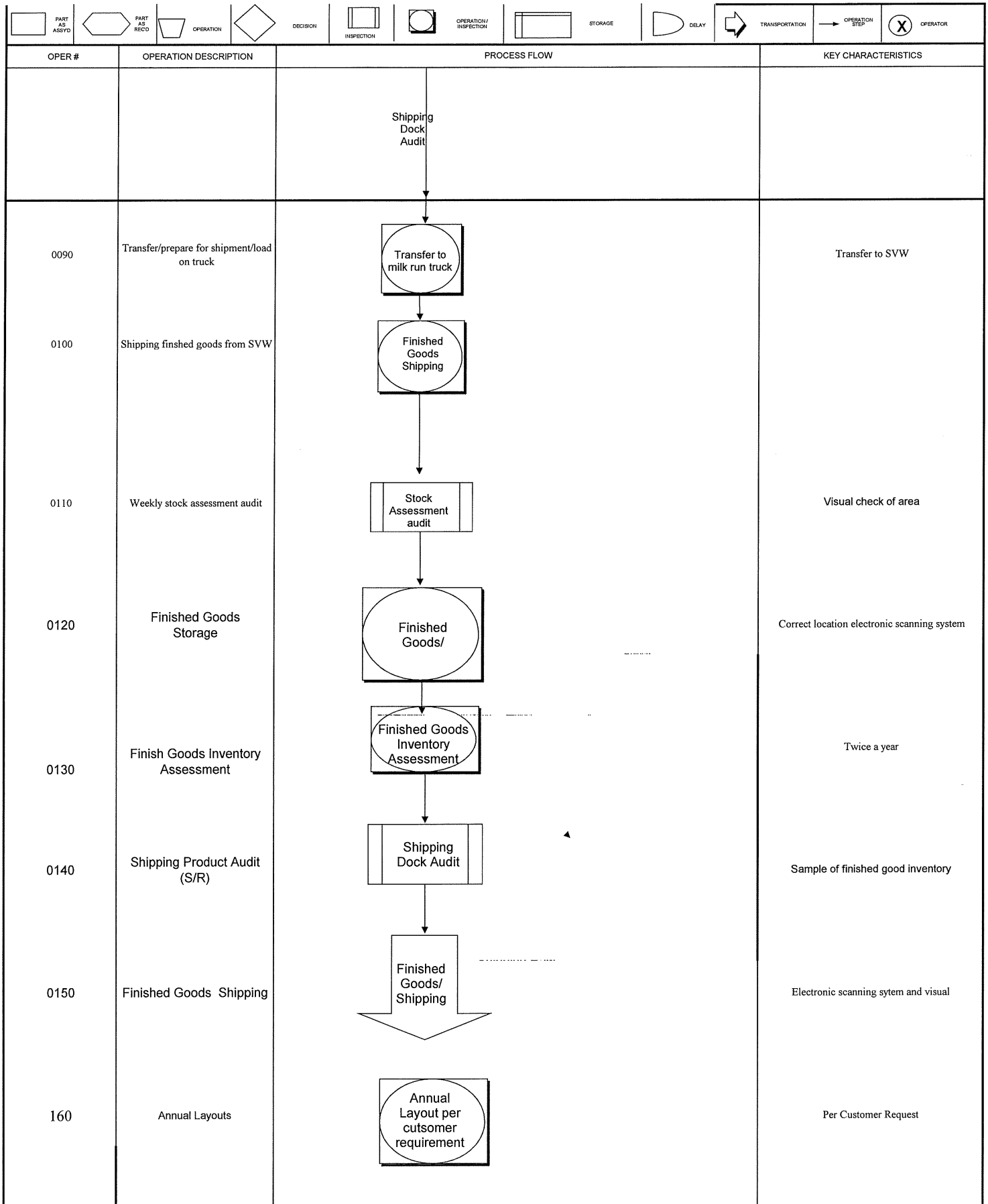
Sumitomo Electric Wiring Systems, NC.-Components Division



Sumitomo Electric Wiring Systems, NC.-Components Division



Sumitomo Electric Wiring Systems, NC.-Components Division



[illegible]

Blanket statements of conformance are unacceptable for any test results.

MARCH
2006

CFG-1003

prepared by:

SIGNATURE

Cindy Meador

TITLE

PPAP Supervisor

DATE _____

2/7/2020

TERMINAL TO HOUSING INSERTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (P.L.T.5)

Specification: 30 N MAX

PART Name/Desc: FO-064A6MA-B

Prepared by: Cindy Meador 2/7/20

PART NO (s): 6098-8727

Design Rec. Change level/date: /BX1 5/18/18

Mold #: 1724-A

Eng. Change Documents: NA

CAVITY →#		M1					M2					M3										
1	12.9	11.4	6.2	8.2	10.3	6.2		9.9	13.9	6.8	10.3	11.2	4.9		8.4	15.2	6.6	10.0	11.7	6.9		
2	11.8	10.9	6.5	11.7	11.0	6.3		12.7	15.5	5.5	10.8	8.9	6.1		10.8	11.9	7.1	14.3	9.3	7.1		
3	9.8	10.8	6.5	10.2	10.7	5.9		9.4	11.9	6.6	11.5	12.3	5.9		13.4	15.9	6.6	10.2	12.4	7.2		
4	10.4	13.6	6.6	9.1	11.2	6.7		13.4	13.4	6.0	10.4	10.0	6.3		10.8	9.0	5.7	14.9	13.1	6.7		
5	9.8	10.4	5.8	9.2	11.4	6.8		10.4	14.6	6.0	14.3	10.9	6.5		11.2	12.2	7.7	9.2	12.1	8.2		
CAVITY →#		M4					M5					M6										
1	12.2	8.4	7.5	10.2	10.8	6.2		13.4	17.8	6.6	9.1	9.6	7.2		9.2	13.9	8.2	13.4	11.7	7.7		
2	10.4	9.5	6.5	12.3	11.2	7.5		10.8	8.1	7.5	7.6	12.6	7.3		13.9	19.7	6.2	13.0	11.9	8.4		
3	10.8	13.7	8.2	9.6	12.6	7.6		11.8	7.7	6.2	14.1	10.6	6.2		14.3	11.3	8.5	11.3	11.7	6.8		
4	10.2	17.2	8.2	10.3	11.3	7.1		13.0	13.5	7.7	11.0	12.4	6.9		9.7	12.1	9.1	10.2	9.1	7.5		
5	14.5	9.1	7.3	9.1	10.2	9.4		13.6	17.2	8.4	10.8	12.0	7.6		12.9	8.5	9.0	13.0	10.8	8.4		
CAVITY →#		M7					M8					M9										
1	11.4	15.1	6.2	11.6	9.7	7.3		12.6	17.3	7.9	9.8	9.2	8.4		12.9	11.1	6.7	11.3	12.1	7.0		
2	13.4	12.7	7.3	9.6	10.3	7.7		9.8	13.2	7.0	11.6	9.7	7.4		14.6	15.7	8.0	12.7	9.8	6.6		
3	11.5	11.3	6.2	10.2	9.7	8.5		13.0	9.3	8.8	10.8	14.0	6.6		8.4	11.9	7.7	10.1	13.4	8.2		
4	11.9	13.4	7.4	10.7	10.4	8.2		14.4	12.9	7.2	12.0	9.9	7.5		11.4	18.0	8.9	11.9	9.2	8.9		
5	12.9	9.8	6.5	11.1	10.6	6.0		13.5	13.9	7.0	8.8	11.4	6.1		14.6	13.9	8.6	8.0	12.2	5.7		

AVERAGE 10.1
MIN 4.9
MAX 19.7

TERMINAL TO HOUSING INSERTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (P.L.T.5)

Specification: 30 N MAX

PART Name/Desc: FO-064A6MA-B

Prepared by: Cindy Meador 2/7/20

PART NO (s): 6098-8727

Design Rec. Change level/date: 5/18/18

Mold #: 1724-A

Eng. Change Documents: NA

CAVITY → #	M10					M11					M12									
1	13.7	13.1	7.1	8.3	8.0					10.2	6.9	8.0	10.6	13.2	7.5					
2	14.8	12.3	9.2	19.4	14.3	8.8				11.9	14.7	7.1	9.4	10.7	6.0					
3	12.0	11.9	7.2	10.0	9.1	7.0				12.9	15.5	6.2	9.6	12.6	6.1					
4	11.9	15.7	7.1	10.6	11.1	7.4				11.0	11.1	6.5	10.1	11.6	5.6					
5	12.6	14.6	5.8	11.4	11.2	8.0				11.7	14.5	6.7	11.9	10.6	7.0					
CAVITY → #	M13					M14					M15									
1	11.2	14.4	6.4	12.1	9.9	6.5				14.5	15.9	6.9	11.7	11.7	7.0					
2	12.8	13.1	8.3	11.3	11.3	6.9				16.2	12.5	7.7	12.1	10.5	7.2					
3	11.3	15.1	7.9	13.2	11.3	8.0				10.4	10.8	6.2	11.3	10.5	6.3					
4	10.9	15.1	8.5	9.9	12.2	7.8				10.3	11.6	8.1	10.6	14.5	6.7					
5	14.7	17.9	7.8	12.3	11.7	7.1				12.8	14.4	7.4	13.0	13.3	8.6					
CAVITY → #	M16																			
1	9.6	15.9	6.0	8.9	9.6	5.6														
2	8.9	13.0	5.6	9.6	11.9	6.2														
3	12.6	16.7	5.1	10.9	9.0	7.1														
4	10.2	15.1	7.3	10.0	10.5	6.8														
5	16.8	11.1	5.9	8.5	11.2	6.5														

AVERAGE 10.4
MIN 5.1
MAX 19.4

TERMINAL TO HOUSING INSERTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (P.L.T.5)
PART Name/Desc: **FO-064A6MA-B**
PART NO (s): **6098-8727**
Mold #: **1724-A**

Lance Only

Specification: **SEE BELOW**

Prepared by: Cindy Meador 2/7/20
Design Rec. Change level/date: **BA1** 5/18/18
Eng. Change Documents: NA

0.64 MM Terminal Spec: 30 N MIN										1.2 MM Terminal Spec: 40 N MIN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
M1					M2					M3					M4					M5					M6					M7					M8					M9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CAVITY #																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

AVERAGE	40.2	51.4
MIN	37.6	40.5
MAX	45.7	55.5

TERMINAL TO HOUSING INSERTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (P.L.T.5)
PART Name/Desc: **FO-064A6MA-B**
PART NO (s): **6098-8727**
Mold #: **1724-A**

Lance Only

Specification: **SEE BELOW**

Prepared by: Cindy Meador 2/7/20
Design Rec. Change level/date: **NA** 5/18/18
Eng. Change Documents: **NA**

0.64 MM Terminal Spec: 30 N MIN										1.2 MM Terminal Spec: 40 N MIN																								
M10					M11					M12					M13					M14					M15					M16				
CAVITY #	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5				
1	41.4	40.8	51.7	38.2	39.0	51.1	39.4	42.5	52.5	40.3	38.8	50.4	42.6	41.5	53.4	41.3	41.7	50.4			40.3	39.3	50.6	42.3	42.3	51.6								
2	43.5	38.9	50.9	41.8	40.3	51.1	41.0	40.0	50.3	41.2	40.1	50.8	43.6	41.1	51.0	42.8	41.4	50.9			41.8	38.1	51.9	41.6	42.7	52.6								
3	40.2	40.6	52.6	37.2	39.0	51.4	39.6	39.4	52.8	42.9	38.9	51.7	40.3	39.6	50.3	41.0	39.7	49.7			39.9	39.7	51.2	43.2	42.4	53.6								
4	37.3	39.4	49.8	39.0	39.7	50.0	38.0	38.7	51.9	38.7	40.2	51.7	43.2	42.2	52.5	40.8	41.3	50.8			40.5	41.7	49.5	40.7	43.0	54.2								
5	38.4	38.8	49.0	39.0	38.7	50.9	39.6	38.7	50.0	38.4	38.6	53.0	38.9	39.8	50.2	40.9	40.8	53.5			40.9	40.1	52.3	40.0	42.7	53.3								
CAVITY #	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5				
1	40.2	42.2	50.5	43.2	40.4	54.4	41.5	40.6	51.3	39.1	41.9	50.7	40.3	39.3	50.6	42.3	42.3	51.6																
2	39.9	40.8	51.3	42.4	39.2	50.2	41.4	40.5	50.6	41.8	39.7	52.0	41.8	38.1	51.9	41.6	42.7	52.6																
3	40.6	41.5	51.8	40.0	40.6	51.3	41.8	41.9	51.2	42.3	42.7	53.3	39.9	39.7	51.2	43.2	42.4	53.6																
4	40.1	41.1	50.0	39.7	40.1	50.8	41.3	41.0	50.5	40.7	42.0	52.1	40.5	41.7	49.5	40.7	43.0	54.2																
5	40.2	40.3	50.2	40.5	40.9	52.2	42.4	41.3	52.9	42.7	40.5	51.4	40.9	40.1	52.3	40.0	42.7	53.3																
CAVITY #	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5				
1	40.4	43.4	52.9	41.0	39.4	50.9																												
2	40.0	41.1	51.8	39.6	44.5	52.2																												
3	39.5	42.7	50.2	40.5	41.0	51.8																												
4	43.4	39.2	51.9	39.2	38.5	50.2																												
5	40.8	38.9	50.4	37.8	40.5	51.1																												

AVERAGE	40.6	51.4
MIN	37.2	49.0
MAX	44.5	54.4

TERMINAL TO HOUSING INSERTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (P.L.T.5)
PART Name/Desc: **FO-064A6MA-B**
PART NO (s): **6098-8727**
Mold #: **1724-A**

Lance + Tpa

Specification: **SEE BELOW**

Prepared by: Cindy Meador 2/7/20
Design Rec. Change level/date: **BA1** 5/18/18
Eng. Change Documents: NA

0.64 MM Terminal Spec: 60 N MIN					1.2 MM Terminal Spec: 70 N MIN				
M1					M2				
CAVITY #									
1	76.0	74.6	88.3	75.1	76.2	86.3			
					75.1	75.2	87.4	74.7	76.8
									86.5
2	73.5	76.3	86.2	74.4	75.2	87.4			
					75.7	75.3	88.1	76.1	76.7
									87.3
3	75.2	76.2	86.7	77.0	75.8	86.3			
					74.4	74.9	87.3	76.3	74.6
									86.9
4	75.7	75.3	86.4	76.9	75.0	86.2			
					75.5	76.3	86.1	76.2	75.4
									85.6
5	76.3	77.7	85.7	75.8	74.8	85.4			
					78.1	76.2	85.6	76.0	76.5
									85.6
M4					M5				
CAVITY #									
1	77.9	75.8	87.8	76.1	76.0	86.0			
					77.2	74.7	88.0	78.3	78.0
									85.9
2	75.6	75.1	85.3	77.5	76.0	86.7			
					75.6	76.3	86.9	77.1	77.5
									86.6
3	75.6	76.3	84.8	77.0	75.3	88.2			
					76.2	74.4	86.4	75.2	78.1
									88.2
4	78.5	77.2	85.0	74.8	75.6	86.3			
					76.9	74.4	87.9	76.2	77.2
									86.3
5	75.5	77.8	86.2	75.5	76.8	87.3			
					74.8	76.2	86.2	78.2	76.3
									86.8
M7					M8				
CAVITY #									
1	75.0	77.2	86.2	78.5	76.9	87.3			
					74.4	75.0	86.6	77.0	77.2
									88.0
2	76.0	74.2	86.6	74.4	76.2	86.7			
					76.9	76.8	88.4	76.0	75.9
									87.4
3	77.7	75.0	88.0	77.0	74.5	87.2			
					77.9	74.5	88.8	75.7	75.5
									86.3
4	75.7	76.6	88.0	75.4	77.3	87.1			
					73.5	75.4	86.8	77.0	75.0
									87.2
5	75.9	76.3	87.2	74.2	76.0	87.3			
					74.2	76.0	86.3	75.4	77.3
									88.0

AVERAGE	76.0
MIN	86.8
MAX	84.8
	88.8

TERMINAL TO HOUSING INSERTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (P.L.T.5)
PART Name/Desc: **FO-064A6NA-B**
PART NO (s): **6098-8727**
Mold #: **1724-A**

Lance + Tpa

Specification: **SEE BELOW**

Prepared by: Cindy Meador 2/7/20
Design Rec. Change level/date: **NA** 5/18/18
Eng. Change Documents: **NA**

		0.64 MM Terminal Spec: 60 N MIN					1.2 MM Terminal Spec: 70 N MIN				
		M10					M11				
CAVITY → #											
1	76.2 76.0	86.2 75.7	76.6 86.9				76.8 78.5	89.3 77.2	76.7 87.4		
2	77.7 74.4	89.6 78.5	79.2 86.2				76.3 77.1	86.6 78.5	78.8 85.7		
3	75.5 76.3	86.6 78.7	78.1 84.5				76.0 77.7	85.3 77.3	77.2 86.1		
4	75.6 78.7	87.3 74.2	76.7 86.9				78.8 77.2	87.2 78.9	80.6 87.1		
5	75.7 78.2	87.0 77.0	76.6 86.1				75.9 77.4	87.5 76.9	77.6 86.0		
		M13					M14				
CAVITY → #											
1	76.5 76.6	87.9 75.8	78.5 87.3				77.3 76.4	86.1 75.6	76.8 88.1		
2	75.8 77.7	87.0 76.3	76.6 85.3				75.7 77.8	87.1 77.7	78.0 85.7		
3	76.8 77.4	86.3 77.4	76.4 87.7				75.9 77.7	89.3 79.3	77.2 86.9		
4	77.9 76.8	86.6 77.2	76.7 87.3				77.0 78.6	88.2 79.3	80.5 86.2		
5	76.8 77.0	85.7 75.6	80.0 87.6				75.5 77.6	86.1 77.0	76.5 87.3		
		M15					M16				
CAVITY → #											
1	76.9 76.6	86.6 78.4	76.5 87.7								
2	77.9 79.0	86.0 77.0	76.1 86.2								
3	78.8 77.8	85.9 77.8	77.2 86.2								
4	77.0 79.1	89.3 79.1	78.4 78.0								
5	78.0 78.2	87.4 77.8	79.6 89.2								

AVERAGE	77.4	86.9
MIN	74.2	78.0
MAX	81.5	89.9

CONNECTOR OPERATION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (P.L.T.S)
PART Name/Desc: **FO-064A6MA-B**
PART NO (s): **6098-8727**
Mold #: **1724-A**

Prepared by: Cindy Meador 2/7/20
Design Rec. Change level/date: **A11** 5/18/18
Eng. Change Documents: NA

Specification: SEE BELOW

CONNECTOR INSERTION FORCE (WITH TERMINALS AND LOCK) SPEC: 45 N MAX															
CAVITY # →	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M16
1	22.7	20.8	22.2	23.0	24.2	19.5	24.2	22.8	20.4	18.4	20.5	20.5	20.6	19.5	21.3
2	21.9	22.1	21.2	23.2	24.3	22.7	23.8	22.1	26.3	20.6	21.2	18.6	21.1	21.5	20.5
3	22.8	22.1	21.5	21.7	21.1	24.5	23.3	20.7	22.5	19.7	20.0	20.0	20.4	19.9	23.9
4	24.3	21.2	20.5	22.5	20.0	20.2	29.9	20.9	20.0	21.0	19.8	21.2	19.7	19.3	20.4
5	24.3	23.5	24.7	19.8	20.3	21.2	22.4	19.7	22.8	20.5	21.0	20.9	19.4	22.3	20.3
AVERAGE	21.6														
MIN	18.4														
MAX	29.9														

CONNECTOR RETENTION FORCE (WITH TERMINAL, WITHOUT LOCK) SPEC: 75 N MAX															
CAVITY # →	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M16
1	12.0	13.1	15.6	11.7	14.5	14.0	15.6	14.8	14.2	14.6	13.7	15.4	12.7	13.7	11.6
2	10.9	12.5	11.5	14.3	12.8	16.2	14.2	13.7	11.0	12.0	12.9	12.2	17.7	13.5	12.2
3	12.1	12.3	12.6	13.0	11.9	11.4	13.6	13.1	12.6	13.2	13.5	12.2	12.7	14.4	13.8
4	14.6	11.5	12.2	13.5	12.2	12.2	12.7	14.4	12.2	13.5	13.9	16.5	16.8	13.7	17.0
5	12.5	13.4	12.5	12.8	13.4	12.7	13.2	13.8	12.3	14.4	13.8	14.1	15.0	12.2	12.4
AVERAGE	13.4														
MIN	10.9														
MAX	17.7														

RETAINER TO HOUSING RETENTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)
PART Name/Desc: **FO-064A6MA-B**
PART NO (s): 6098-8727
Mold #: 1724-A

Prepared by: Cindy Meador 2/7/20
Design Rec. Change level/date: LU5T-14A459-CB
Eng. Change Documents: NA

Specification: SEE BELOW

TEMP TO EXTRACTION FORCE (WITH TERMINALS) SPEC: 25 N MIN																
CAVITY # →	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16
1	42.1	41.5	41.3	42.5	42.6	35.2	42.9	40.5	47.1	42.0	41.6	36.5	48.5	39.4	44.0	45.6
2	49.6	38.8	56.8	44.3	43.9	41.9	44.4	49.4	38.8	45.9	39.2	40.8	44.0	40.8	39.1	41.4
3	38.9	42.2	40.6	37.0	38.7	42.1	40.6	43.1	40.0	44.2	39.6	37.0	49.4	42.8	48.4	44.0
4	44.6	39.9	41.3	42.9	39.9	43.5	42.0	41.2	43.0	39.7	41.3	41.3	45.5	44.8	42.7	41.1
5	51.0	39.1	47.3	45.6	44.1	43.4	44.3	43.2	48.5	43.9	37.2	43.2	44.5	40.1	46.6	42.1
AVERAGE	42.7															
MIN	35.2															
MAX	56.8															

RETAINER TO HOUSING INSERTION FORCE DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)
PART Name/Desc: **FO-064A6MA-B**
PART NO (s): **6098-8727**
Mold #: **1724-A**

Specification: **SEE BELOW**
Prepared by: Cindy Meador 2/7/20
Design Rec. Change level/date: **611** 5/18/18
Eng. Change Documents: NA

TEMP TO COMPLETE FORCE (WITHOUT TERMINALS) SPEC: 15 N MIN															
CAVITY # →	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M16
1	69.7	54.3	70.8	52.8	62.8	67.6	59.3	64.2	61.1	66.2	59.8	54.5	59.8	66.4	64.0
2	70.9	58.7	55.8	59.0	63.6	54.4	63.5	55.4	65.8	57.0	55.2	58.7	63.6	61.0	63.7
3	67.7	63.4	55.8	52.7	59.1	60.8	59.2	59.8	64.4	61.3	62.2	62.8	63.9	57.3	59.5
4	54.2	60.5	59.1	58.3	52.4	67.9	63.0	68.1	62.0	73.6	57.2	71.7	59.5	63.6	61.5
5	66.0	57.6	60.8	57.2	53.2	55.9	56.9	57.0	63.4	57.5	53.3	57.8	68.6	65.0	58.5
AVERAGE	60.8														
MIN	49.9														
MAX	73.6														

TEMP TO COMPLETE FORCE(WITH TERMINALS) SPEC: 60 N MAX															
CAVITY # →	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M16
1	58.1	57.9	50.1	57.8	57.1	51.8	55.2	59.3	54.1	52.2	52.4	51.5	59.2	55.3	55.0
2	59.0	50.6	58.5	58.2	56.6	59.6	56.0	53.5	58.7	58.4	53.0	50.8	51.5	55.6	59.4
3	59.1	54.9	53.2	52.6	52.1	59.0	57.2	52.7	56.7	50.4	59.9	59.6	59.8	52.6	57.0
4	56.2	55.3	56.5	59.5	54.3	57.2	58.3	53.2	54.1	51.2	52.7	58.7	59.2	55.3	58.6
5	58.8	51.7	54.1	59.0	59.0	52.2	54.7	55.3	56.8	54.4	51.5	53.1	52.4	59.0	59.6
AVERAGE	55.7														
MIN	49.9														
MAX	59.9														

COMPLETE TO TEMP FORCE (INITIAL) WITH TERMINALS SPEC: 60 N MAX															
CAVITY # →	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M16
1	26.6	30.3	28.9	30.3	28.8	36.8	29.5	29.2	30.2	32.4	30.1	33.4	30.3	32.4	27.8
2	31.8	27.9	28.4	28.8	32.1	34.9	31.6	30.8	29.8	35.7	26.5	30.6	36.2	31.1	30.7
3	30.5	30.9	29.5	30.7	30.2	34.2	28.1	30.2	31.1	30.3	29.3	28.4	32.4	30.2	29.5
4	27.8	26.8	29.8	32.4	33.9	30.1	31.2	29.4	31.2	32.9	27.8	32.5	34.8	31.4	33.0
5	30.3	28.0	28.1	32.6	33.5	29.2	29.5	30.1	31.6	29.4	32.2	35.0	34.2	30.5	32.9
AVERAGE	30.9														
MIN	26.5														
MAX	36.8														

COMPLETE TO TEMP FORCE (SECOND) WITH TERMINALS SPEC: 18 N MIN															
CAVITY # →	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M16
1	25.9	27.0	26.6	31.3	34.5	28.8	30.5	25.2	28.6	27.5	30.7	32.5	29.8	29.5	30.1
2	29.8	31.3	27.9	30.8	32.2	34.6	28.9	33.8	27.9	29.2	30.3	30.2	33.1	28.4	30.5
3	32.4	26.7	26.7	27.6	25.3	29.6	31.0	27.4	35.1	26.8	30.8	29.0	32.2	32.1	29.6
4	27.2	30.5	29.3	28.4	31.2	28.0	29.6	33.5	29.6	34.0	23.6	28.8	28.9	31.7	31.2
5	29.3	28.5	26.2	30.9	28.2	31.3	30.1	30.1	25.6	27.6	30.5	28.2	32.1	25.8	32.5
AVERAGE	29.6														
MIN	23.6														
MAX	35.1														

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

B11

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M1	15.00		18.70		M2	15.00		18.70		M3	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
1	14.91		18.57			14.91		18.57			14.91		18.56		
2	14.90		18.56			14.91		18.55			14.91		18.55		
3	14.91		18.56			14.90		18.55			14.92		18.56		
4	14.91		18.56			14.91		18.55			14.92		18.55		
5	14.91		18.57			14.91		18.55			14.91		18.55		
6	14.90		18.56			14.91		18.55			14.91		18.55		
7	14.91		18.56			14.91		18.55			14.92		18.56		
8	14.90		18.57			14.90		18.56			14.92		18.55		
9	14.90		18.56			14.90		18.55			14.92		18.55		
10	14.90		18.56			14.90		18.56			14.91		18.55		
11	14.90		18.56			14.90		18.55			14.91		18.55		
12	14.90		18.57			14.90		18.56			14.90		18.56		
13	14.90		18.56			14.91		18.55			14.91		18.55		
14	14.91		18.57			14.91		18.55			14.90		18.55		
15	14.90		18.56			14.91		18.55			14.91		18.55		
16	14.90		18.56			14.90		18.56			14.90		18.55		
17	14.90		18.56			14.91		18.55			14.90		18.55		
18	14.90		18.57			14.91		18.55			14.91		18.56		
19	14.90		18.57			14.90		18.55			14.90		18.56		
20	14.91		18.57			14.90		18.56			14.91		18.55		
21	14.90		18.56			14.90		18.56			14.90		18.55		
22	14.90		18.56			14.91		18.55			14.90		18.56		
23	14.90		18.56			14.90		18.55			14.90		18.56		
24	14.91		18.56			14.91		18.56			14.90		18.55		
25	14.90		18.56			14.91		18.56			14.90		18.55		
26	14.91		18.57			14.90		18.56			14.91		18.56		
27	14.90		18.57			14.90		18.56			14.91		18.56		
28	14.91		18.56			14.90		18.56			14.91		18.56		
29	14.90		18.57			14.90		18.56			14.91		18.55		
30	14.90		18.56			14.91		18.56			14.91		18.56		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

B11

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M1	15.00		18.70		M2	15.00		18.70		M3	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
31	14.91		18.56			14.91		18.56			14.91		18.55		
32	14.90		18.56			14.90		18.56			14.91		18.56		
33	14.90		18.57			14.91		18.57			14.90		18.56		
34	14.90		18.56			14.90		18.56			14.90		18.55		
35	14.90		18.57			14.91		18.56			14.91		18.55		
36	14.91		18.57			14.90		18.56			14.91		18.56		
37	14.91		18.56			14.90		18.57			14.91		18.56		
38	14.91		18.57			14.91		18.57			14.90		18.56		
39	14.91		18.56			14.90		18.57			14.91		18.55		
40	14.92		18.56			14.90		18.56			14.91		18.56		
41	14.91		18.56			14.90		18.56			14.91		18.56		
42	14.92		18.57			14.91		18.56			14.90		18.57		
43	14.91		18.57			14.90		18.56			14.90		18.56		
44	14.91		18.56			14.91		18.57			14.91		18.57		
45	14.91		18.56			14.91		18.57			14.90		18.56		
46	14.92		18.56			14.91		18.56			14.90		18.56		
47	14.91		18.57			14.90		18.55			14.90		18.56		
48	14.91		18.56			14.90		18.55			14.91		18.57		
49	14.92		18.56			14.90		18.56			14.90		18.56		
50	14.91		18.56			14.91		18.57			14.90		18.56		
51	14.91		18.56			14.91		18.55			14.90		18.57		
52	14.91		18.57			14.91		18.56			14.90		18.57		
53	14.91		18.56			14.92		18.55			14.90		18.57		
54	14.92		18.55			14.91		18.56			14.91		18.55		
55	14.92		18.56			14.92		18.55			14.91		18.57		
56	14.91		18.56			14.91		18.55			14.90		18.56		
57	14.91		18.55			14.92		18.56			14.91		18.55		
58	14.91		18.56			14.92		18.55			14.91		18.56		
59	14.92		18.56			14.92		18.56			14.90		18.55		
60	14.92		18.55			14.91		18.56			14.90		18.55		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

B11

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M1	15.00		18.70		M2	15.00		18.70		M3	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
61	14.92		18.55			14.91		18.56			14.90		18.56		
62	14.91		18.55			14.92		18.56			14.91		18.55		
63	14.92		18.55			14.91		18.55			14.91		18.55		
64	14.91		18.56			14.91		18.55			14.90		18.56		
65	14.91		18.56			14.92		18.55			14.90		18.56		
66	14.92		18.56			14.91		18.55			14.90		18.56		
67	14.91		18.55			14.92		18.56			14.90		18.56		
68	14.92		18.56			14.91		18.56			14.91		18.57		
69	14.91		18.55			14.92		18.55			14.90		18.56		
70	14.91		18.55			14.91		18.56			14.91		18.56		
71	14.92		18.55			14.92		18.56			14.91		18.56		
72	14.92		18.56			14.91		18.55			14.90		18.56		
73	14.92		18.55			14.92		18.56			14.90		18.56		
74	14.91		18.56			14.91		18.56			14.91		18.57		
75	14.92		18.56			14.92		18.56			14.90		18.56		
76	14.92		18.56			14.91		18.56			14.90		18.55		
77	14.91		18.56			14.92		18.55			14.90		18.57		
78	14.91		18.56			14.91		18.56			14.90		18.55		
79	14.92		18.56			14.91		18.56			14.91		18.56		
80	14.91		18.56			14.92		18.55			14.91		18.55		
81	14.91		18.56			14.91		18.55			14.90		18.56		
82	14.91		18.55			14.91		18.55			14.90		18.56		
83	14.91		18.56			14.91		18.55			14.91		18.55		
84	14.92		18.55			14.92		18.56			14.90		18.57		
85	14.91		18.56			14.92		18.55			14.90		18.56		
86	14.91		18.56			14.92		18.55			14.90		18.56		
87	14.91		18.55			14.91		18.55			14.90		18.57		
88	14.91		18.56			14.92		18.55			14.90		18.55		
89	14.92		18.56			14.92		18.55			14.91		18.56		
90	14.91		18.56			14.92		18.56			14.90		18.56		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:↓

M1	15.00		18.70		M2	15.00		18.70		M3	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
91	14.91		18.56			14.91		18.55			14.90		18.57		
92	14.91		18.56			14.91		18.55			14.90		18.55		
93	14.92		18.56			14.92		18.56			14.91		18.56		
94	14.91		18.55			14.91		18.55			14.90		18.55		
95	14.92		18.56			14.92		18.56			14.91		18.56		
96	14.92		18.56			14.92		18.55			14.90		18.56		
97	14.91		18.56			14.91		18.55			14.90		18.56		
98	14.91		18.56			14.91		18.55			14.90		18.57		
99	14.92		18.56			14.91		18.56			14.90		18.56		
100	14.92		18.55			14.92		18.56			14.90		18.56		

average	14.91	18.56		14.91	18.56		14.91	18.56
minimum	14.90	18.55		14.90	18.55		14.90	18.55
maximum	14.92	18.57		14.92	18.57		14.92	18.57
range	0.02	0.02		0.02	0.02		0.02	0.02
std dev	0.01	0.01		0.01	0.01		0.01	0.01

LSL	14.50	18.20		14.50	18.20		14.50	18.20
NOM	15.00	18.70		15.00	18.70		15.00	18.70
USL	15.50	19.20		15.50	19.20		15.50	19.20

CPK	19.42655681	20.22486728		19.22901693	18.84779906		22.71363353	17.85493421
-----	-------------	-------------	--	-------------	-------------	--	-------------	-------------

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M4	15.00		18.70		M5	15.00		18.70		M6	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
1	14.91		18.55			14.88		18.55			14.91		18.56		
2	14.90		18.56			14.88		18.56			14.91		18.56		
3	14.90		18.56			14.88		18.55			14.91		18.57		
4	14.90		18.56			14.88		18.55			14.90		18.56		
5	14.90		18.55			14.89		18.56			14.91		18.56		
6	14.90		18.55			14.88		18.56			14.91		18.56		
7	14.90		18.55			14.88		18.56			14.90		18.57		
8	14.90		18.57			14.88		18.55			14.90		18.56		
9	14.91		18.55			14.88		18.55			14.91		18.56		
10	14.88		18.55			14.88		18.56			14.89		18.56		
11	14.89		18.55			14.88		18.56			14.91		18.56		
12	14.88		18.55			14.88		18.56			14.89		18.57		
13	14.90		18.56			14.88		18.55			14.89		18.56		
14	14.89		18.57			14.89		18.56			14.91		18.56		
15	14.90		18.57			14.89		18.55			14.91		18.56		
16	14.91		18.56			14.88		18.55			14.91		18.56		
17	14.90		18.56			14.88		18.56			14.91		18.56		
18	14.89		18.56			14.89		18.56			14.90		18.55		
19	14.90		18.57			14.88		18.55			14.91		18.55		
20	14.89		18.56			14.88		18.56			14.90		18.56		
21	14.89		18.56			14.89		18.56			14.91		18.55		
22	14.89		18.57			14.88		18.55			14.90		18.56		
23	14.88		18.57			14.88		18.55			14.90		18.56		
24	14.89		18.57			14.88		18.56			14.91		18.56		
25	14.90		18.56			14.88		18.56			14.90		18.56		
26	14.90		18.56			14.89		18.56			14.90		18.56		
27	14.90		18.56			14.88		18.56			14.90		18.56		
28	14.88		18.57			14.88		18.56			14.90		18.56		
29	14.89		18.57			14.88		18.56			14.90		18.55		
30	14.88		18.57			14.88		18.56			14.91		18.56		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:**↓**

M4	15.00		18.70		M5	15.00		18.70		M6	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
31	14.90		18.56			14.89		18.55			14.90		18.56		
32	14.89		18.56			14.88		18.55			14.90		18.55		
33	14.90		18.57			14.88		18.55			14.90		18.56		
34	14.88		18.56			14.88		18.56			14.90		18.56		
35	14.90		18.56			14.89		18.55			14.90		18.56		
36	14.90		18.56			14.88		18.55			14.90		18.55		
37	14.90		18.57			14.89		18.55			14.90		18.56		
38	14.90		18.56			14.88		18.56			14.91		18.55		
39	14.90		18.57			14.88		18.56			14.91		18.56		
40	14.89		18.57			14.89		18.56			14.91		18.56		
41	14.89		18.57			14.88		18.57			14.90		18.56		
42	14.88		18.55			14.88		18.56			14.90		18.55		
43	14.91		18.57			14.88		18.55			14.90		18.56		
44	14.90		18.57			14.89		18.55			14.91		18.55		
45	14.90		18.56			14.88		18.55			14.90		18.55		
46	14.91		18.56			14.88		18.56			14.91		18.56		
47	14.90		18.55			14.88		18.56			14.90		18.56		
48	14.90		18.56			14.88		18.55			14.91		18.56		
49	14.88		18.57			14.88		18.55			14.90		18.56		
50	14.90		18.57			14.88		18.55			14.90		18.56		
51	14.90		18.55			14.88		18.56			14.90		18.55		
52	14.89		18.56			14.88		18.57			14.90		18.56		
53	14.90		18.57			14.88		18.56			14.90		18.55		
54	14.88		18.57			14.89		18.55			14.90		18.56		
55	14.88		18.57			14.88		18.56			14.91		18.56		
56	14.90		18.57			14.89		18.55			14.90		18.55		
57	14.90		18.57			14.88		18.56			14.90		18.55		
58	14.89		18.56			14.88		18.56			14.91		18.55		
59	14.90		18.57			14.89		18.55			14.90		18.56		
60	14.91		18.57			14.88		18.56			14.91		18.55		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M4	15.00		18.70		M5	15.00		18.70		M6	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
61	14.91		18.57			14.88		18.55			14.90		18.55		
62	14.90		18.57			14.88		18.55			14.90		18.55		
63	14.90		18.56			14.88		18.57			14.91		18.55		
64	14.89		18.57			14.89		18.55			14.90		18.55		
65	14.90		18.57			14.88		18.55			14.90		18.55		
66	14.89		18.57			14.88		18.56			14.90		18.55		
67	14.90		18.56			14.89		18.55			14.91		18.56		
68	14.89		18.57			14.89		18.55			14.91		18.56		
69	14.89		18.57			14.88		18.56			14.91		18.55		
70	14.89		18.56			14.88		18.55			14.91		18.56		
71	14.90		18.57			14.89		18.56			14.90		18.56		
72	14.89		18.56			14.88		18.55			14.91		18.56		
73	14.89		18.57			14.88		18.56			14.90		18.56		
74	14.89		18.57			14.89		18.56			14.90		18.55		
75	14.90		18.57			14.88		18.55			14.90		18.56		
76	14.90		18.57			14.88		18.56			14.90		18.55		
77	14.90		18.57			14.88		18.55			14.90		18.56		
78	14.90		18.56			14.88		18.56			14.90		18.56		
79	14.90		18.57			14.88		18.55			14.91		18.55		
80	14.89		18.55			14.88		18.56			14.90		18.56		
81	14.89		18.56			14.88		18.56			14.90		18.56		
82	14.89		18.57			14.89		18.55			14.90		18.55		
83	14.90		18.57			14.88		18.56			14.90		18.56		
84	14.90		18.57			14.88		18.56			14.90		18.56		
85	14.88		18.56			14.89		18.56			14.90		18.55		
86	14.90		18.57			14.88		18.55			14.90		18.56		
87	14.89		18.57			14.88		18.56			14.90		18.56		
88	14.89		18.57			14.88		18.55			14.90		18.55		
89	14.88		18.56			14.89		18.56			14.91		18.55		
90	14.90		18.56			14.88		18.55			14.90		18.56		

CPK DATA

Page 11 of 36

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:↓

M4	15.00		18.70		M5	15.00		18.70		M6	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
91	14.90		18.57			14.88		18.56			14.90		18.56		
92	14.88		18.57			14.88		18.56			14.90		18.56		
93	14.88		18.57			14.89		18.55			14.91		18.55		
94	14.89		18.57			14.88		18.56			14.90		18.55		
95	14.88		18.57			14.88		18.55			14.91		18.56		
96	14.88		18.56			14.88		18.56			14.90		18.56		
97	14.88		18.57			14.89		18.55			14.90		18.56		
98	14.90		18.57			14.88		18.56			14.91		18.56		
99	14.88		18.56			14.88		18.55			14.90		18.55		
100	14.88		18.57			14.88		18.56			14.90		18.56		

average	14.89	18.56		14.88	18.56		14.90	18.56
minimum	14.88	18.55		14.88	18.55		14.89	18.55
maximum	14.91	18.57		14.89	18.57		14.91	18.57
range	0.03	0.02		0.01	0.02		0.02	0.02
std dev	0.01	0.01		0.00	0.01		0.01	0.01

LSL	14.50	18.20		14.50	18.20		14.50	18.20
NOM	15.00	18.70		15.00	18.70		15.00	18.70
USL	15.50	19.20		15.50	19.20		15.50	19.20

CPK	14.96166763	17.36973281		29.69626357	21.41664326		25.38090685	22.78676516
-----	-------------	-------------	--	-------------	-------------	--	-------------	-------------

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:**↓**

M7	15.00		18.70		M8	15.00		18.70		M9	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
1	14.90		18.55			14.89		18.55			14.88		18.56		
2	14.90		18.55			14.88		18.55			14.88		18.55		
3	14.90		18.56			14.88		18.56			14.89		18.56		
4	14.90		18.56			14.89		18.55			14.88		18.56		
5	14.90		18.55			14.88		18.55			14.89		18.56		
6	14.90		18.55			14.89		18.56			14.89		18.56		
7	14.89		18.55			14.88		18.56			14.88		18.56		
8	14.89		18.55			14.89		18.55			14.88		18.55		
9	14.89		18.55			14.89		18.56			14.88		18.56		
10	14.88		18.56			14.89		18.56			14.88		18.55		
11	14.89		18.55			14.88		18.55			14.88		18.56		
12	14.88		18.55			14.88		18.56			14.88		18.56		
13	14.88		18.55			14.88		18.55			14.88		18.56		
14	14.88		18.55			14.88		18.56			14.89		18.56		
15	14.88		18.55			14.88		18.55			14.88		18.56		
16	14.89		18.55			14.88		18.56			14.88		18.56		
17	14.89		18.55			14.88		18.55			14.88		18.56		
18	14.89		18.56			14.88		18.55			14.89		18.57		
19	14.88		18.56			14.89		18.55			14.88		18.56		
20	14.89		18.55			14.89		18.56			14.88		18.56		
21	14.88		18.55			14.88		18.55			14.89		18.56		
22	14.88		18.56			14.88		18.55			14.88		18.57		
23	14.88		18.56			14.88		18.56			14.88		18.56		
24	14.88		18.56			14.90		18.56			14.88		18.57		
25	14.88		18.55			14.89		18.55			14.88		18.56		
26	14.88		18.55			14.88		18.56			14.89		18.57		
27	14.89		18.55			14.88		18.55			14.89		18.56		
28	14.88		18.55			14.89		18.55			14.90		18.56		
29	14.88		18.56			14.89		18.56			14.88		18.56		
30	14.88		18.55			14.90		18.56			14.88		18.56		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M7	15.00		18.70		M8	15.00		18.70		M9	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
31	14.88		18.55			14.89		18.56			14.89		18.57		
32	14.89		18.55			14.90		18.55			14.89		18.56		
33	14.88		18.56			14.88		18.56			14.89		18.56		
34	14.89		18.55			14.90		18.56			14.88		18.57		
35	14.88		18.56			14.90		18.55			14.88		18.57		
36	14.88		18.56			14.88		18.55			14.88		18.56		
37	14.88		18.56			14.88		18.56			14.89		18.56		
38	14.88		18.56			14.89		18.55			14.89		18.56		
39	14.89		18.55			14.88		18.56			14.89		18.56		
40	14.88		18.55			14.89		18.56			14.88		18.56		
41	14.89		18.56			14.88		18.56			14.88		18.56		
42	14.90		18.56			14.88		18.55			14.88		18.57		
43	14.90		18.55			14.88		18.55			14.89		18.56		
44	14.90		18.56			14.88		18.55			14.88		18.56		
45	14.89		18.56			14.89		18.56			14.89		18.56		
46	14.89		18.56			14.88		18.55			14.90		18.56		
47	14.89		18.55			14.89		18.56			14.88		18.57		
48	14.89		18.56			14.89		18.55			14.90		18.57		
49	14.90		18.55			14.90		18.56			14.88		18.56		
50	14.89		18.56			14.90		18.55			14.89		18.56		
51	14.89		18.55			14.88		18.56			14.88		18.56		
52	14.89		18.55			14.88		18.56			14.90		18.56		
53	14.89		18.55			14.88		18.55			14.88		18.56		
54	14.88		18.55			14.89		18.55			14.88		18.56		
55	14.89		18.56			14.88		18.55			14.88		18.55		
56	14.88		18.55			14.88		18.55			14.89		18.55		
57	14.89		18.55			14.88		18.55			14.88		18.55		
58	14.88		18.55			14.89		18.56			14.89		18.56		
59	14.88		18.55			14.88		18.56			14.89		18.56		
60	14.89		18.55			14.88		18.55			14.90		18.56		

CPK DATA

Page 14 of 36

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M7	15.00		18.70		M8	15.00		18.70		M9	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
61	14.89		18.55			14.89		18.56			14.88		18.56		
62	14.88		18.55			14.89		18.55			14.88		18.56		
63	14.88		18.55			14.89		18.56			14.88		18.55		
64	14.88		18.55			14.88		18.56			14.88		18.55		
65	14.89		18.55			14.88		18.56			14.88		18.56		
66	14.88		18.55			14.89		18.55			14.88		18.56		
67	14.88		18.56			14.88		18.55			14.89		18.56		
68	14.88		18.55			14.88		18.55			14.88		18.56		
69	14.89		18.55			14.88		18.56			14.88		18.56		
70	14.89		18.55			14.89		18.55			14.88		18.57		
71	14.88		18.55			14.89		18.55			14.88		18.57		
72	14.88		18.55			14.88		18.55			14.88		18.56		
73	14.88		18.56			14.89		18.56			14.89		18.56		
74	14.88		18.55			14.89		18.55			14.88		18.57		
75	14.90		18.56			14.89		18.56			14.88		18.55		
76	14.89		18.56			14.88		18.56			14.88		18.57		
77	14.88		18.56			14.89		18.56			14.89		18.55		
78	14.89		18.55			14.88		18.56			14.88		18.57		
79	14.88		18.55			14.89		18.56			14.89		18.57		
80	14.88		18.55			14.88		18.56			14.88		18.56		
81	14.88		18.56			14.89		18.55			14.89		18.56		
82	14.88		18.56			14.88		18.56			14.89		18.56		
83	14.88		18.56			14.88		18.56			14.90		18.56		
84	14.88		18.55			14.89		18.56			14.88		18.56		
85	14.89		18.56			14.88		18.56			14.90		18.55		
86	14.89		18.55			14.89		18.55			14.88		18.57		
87	14.89		18.56			14.89		18.55			14.88		18.55		
88	14.90		18.55			14.90		18.55			14.89		18.55		
89	14.90		18.55			14.89		18.55			14.89		18.55		
90	14.88		18.56			14.88		18.56			14.88		18.55		

CPK DATA

Page 15 of 36

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:↓

M7	15.00		18.70		M8	15.00		18.70		M9	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
91	14.90		18.56			14.88		18.56			14.88		18.56		
92	14.90		18.56			14.88		18.56			14.88		18.57		
93	14.88		18.55			14.88		18.56			14.88		18.57		
94	14.90		18.55			14.89		18.55			14.89		18.56		
95	14.90		18.55			14.88		18.56			14.88		18.57		
96	14.90		18.55			14.89		18.56			14.88		18.55		
97	14.88		18.55			14.88		18.55			14.89		18.56		
98	14.88		18.55			14.88		18.56			14.89		18.55		
99	14.88		18.56			14.88		18.56			14.89		18.55		
100	14.88		18.56			14.88		18.56			14.90		18.56		

average	14.89	18.55		14.89	18.56		14.88	18.56
minimum	14.88	18.55		14.88	18.55		14.88	18.55
maximum	14.90	18.56		14.90	18.56		14.90	18.57
range	0.02	0.01		0.02	0.01		0.02	0.02
std dev	0.01	0.00		0.01	0.01		0.01	0.01

LSL	14.50	18.20		14.50	18.20		14.50	18.20
NOM	15.00	18.70		15.00	18.70		15.00	18.70
USL	15.50	19.20		15.50	19.20		15.50	19.20

CPK	16.93857845	24.29742586		19.97931581	23.4385227		19.94120655	19.38996161
-----	-------------	-------------	--	-------------	------------	--	-------------	-------------

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M10	15.00		18.70		M11	15.00		18.70		M12	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
1	14.88		18.55			14.88		18.55			14.88		18.55		
2	14.88		18.56			14.88		18.55			14.89		18.56		
3	14.88		18.55			14.88		18.55			14.88		18.55		
4	14.88		18.55			14.88		18.56			14.88		18.55		
5	14.89		18.55			14.89		18.55			14.88		18.55		
6	14.88		18.55			14.88		18.55			14.89		18.56		
7	14.89		18.56			14.88		18.56			14.88		18.55		
8	14.88		18.55			14.89		18.55			14.89		18.55		
9	14.88		18.55			14.88		18.55			14.88		18.56		
10	14.88		18.56			14.89		18.55			14.89		18.56		
11	14.88		18.55			14.89		18.55			14.88		18.55		
12	14.88		18.56			14.89		18.55			14.88		18.56		
13	14.89		18.56			14.88		18.55			14.88		18.55		
14	14.88		18.55			14.88		18.55			14.88		18.55		
15	14.88		18.55			14.89		18.55			14.88		18.55		
16	14.88		18.55			14.88		18.55			14.89		18.55		
17	14.88		18.56			14.88		18.55			14.89		18.56		
18	14.88		18.56			14.88		18.56			14.88		18.56		
19	14.88		18.55			14.89		18.55			14.89		18.55		
20	14.88		18.55			14.88		18.55			14.88		18.56		
21	14.88		18.56			14.89		18.55			14.89		18.55		
22	14.88		18.56			14.88		18.55			14.88		18.55		
23	14.88		18.55			14.88		18.55			14.88		18.56		
24	14.89		18.56			14.89		18.56			14.88		18.56		
25	14.89		18.55			14.88		18.55			14.88		18.55		
26	14.88		18.56			14.88		18.55			14.89		18.56		
27	14.89		18.55			14.88		18.55			14.88		18.55		
28	14.88		18.55			14.88		18.56			14.89		18.56		
29	14.88		18.55			14.89		18.55			14.88		18.55		
30	14.89		18.55			14.89		18.55			14.88		18.55		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M10	15.00		18.70		M11	15.00		18.70		M12	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
31	14.89		18.55			14.88		18.56			14.88		18.56		
32	14.88		18.56			14.88		18.55			14.88		18.56		
33	14.88		18.55			14.88		18.55			14.90		18.55		
34	14.88		18.55			14.89		18.56			14.88		18.56		
35	14.88		18.55			14.88		18.55			14.88		18.56		
36	14.88		18.55			14.88		18.56			14.88		18.55		
37	14.88		18.56			14.88		18.56			14.88		18.55		
38	14.88		18.55			14.88		18.55			14.89		18.56		
39	14.88		18.55			14.88		18.56			14.88		18.55		
40	14.88		18.55			14.88		18.55			14.88		18.55		
41	14.89		18.55			14.88		18.55			14.88		18.55		
42	14.89		18.56			14.88		18.55			14.88		18.55		
43	14.89		18.56			14.88		18.55			14.90		18.55		
44	14.88		18.56			14.88		18.56			14.88		18.56		
45	14.89		18.56			14.88		18.56			14.89		18.56		
46	14.88		18.55			14.89		18.55			14.88		18.55		
47	14.88		18.55			14.89		18.55			14.88		18.55		
48	14.88		18.56			14.89		18.55			14.88		18.55		
49	14.88		18.55			14.88		18.55			14.88		18.56		
50	14.88		18.55			14.88		18.55			14.88		18.55		
51	14.88		18.55			14.89		18.55			14.88		18.55		
52	14.88		18.55			14.88		18.55			14.88		18.55		
53	14.88		18.55			14.88		18.55			14.88		18.56		
54	14.88		18.56			14.88		18.56			14.88		18.55		
55	14.88		18.55			14.88		18.55			14.88		18.55		
56	14.89		18.56			14.88		18.55			14.88		18.55		
57	14.89		18.55			14.88		18.55			14.88		18.55		
58	14.89		18.56			14.88		18.55			14.88		18.55		
59	14.88		18.55			14.88		18.56			14.88		18.55		
60	14.88		18.56			14.88		18.55			14.88		18.56		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M10	15.00		18.70		M11	15.00		18.70		M12	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
61	14.88		18.55			14.88		18.55			14.89		18.55		
62	14.88		18.55			14.88		18.55			14.89		18.55		
63	14.89		18.55			14.88		18.55			14.88		18.55		
64	14.89		18.55			14.88		18.55			14.88		18.56		
65	14.88		18.55			14.88		18.55			14.88		18.56		
66	14.88		18.55			14.88		18.55			14.89		18.55		
67	14.88		18.55			14.89		18.55			14.88		18.55		
68	14.89		18.56			14.89		18.55			14.88		18.55		
69	14.89		18.55			14.88		18.55			14.88		18.56		
70	14.89		18.56			14.88		18.55			14.88		18.55		
71	14.88		18.55			14.89		18.56			14.88		18.55		
72	14.88		18.55			14.88		18.55			14.89		18.56		
73	14.88		18.55			14.89		18.55			14.89		18.55		
74	14.88		18.55			14.88		18.55			14.89		18.55		
75	14.88		18.55			14.88		18.56			14.88		18.56		
76	14.88		18.55			14.88		18.55			14.88		18.55		
77	14.88		18.55			14.89		18.55			14.88		18.55		
78	14.88		18.55			14.88		18.55			14.89		18.55		
79	14.88		18.56			14.88		18.55			14.88		18.55		
80	14.88		18.55			14.88		18.55			14.88		18.56		
81	14.90		18.55			14.88		18.55			14.88		18.55		
82	14.88		18.55			14.88		18.55			14.89		18.55		
83	14.88		18.55			14.88		18.55			14.88		18.55		
84	14.88		18.55			14.88		18.55			14.89		18.55		
85	14.89		18.55			14.89		18.55			14.88		18.55		
86	14.88		18.56			14.89		18.55			14.88		18.55		
87	14.89		18.55			14.89		18.55			14.88		18.55		
88	14.88		18.56			14.88		18.55			14.88		18.55		
89	14.88		18.55			14.88		18.55			14.88		18.55		
90	14.89		18.55			14.88		18.55			14.88		18.55		

CPK DATA

Page 19 of 36

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:↓

M10	15.00		18.70		M11	15.00		18.70		M12	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
91	14.88		18.56			14.88		18.55			14.88		18.55		
92	14.89		18.55			14.89		18.55			14.88		18.56		
93	14.88		18.56			14.88		18.55			14.89		18.55		
94	14.88		18.55			14.88		18.55			14.88		18.56		
95	14.88		18.55			14.89		18.55			14.88		18.55		
96	14.89		18.55			14.88		18.55			14.88		18.55		
97	14.88		18.56			14.88		18.56			14.88		18.56		
98	14.89		18.55			14.88		18.55			14.88		18.56		
99	14.89		18.56			14.89		18.56			14.89		18.56		
100	14.89		18.56			14.88		18.56			14.90		18.56		

average	14.88	18.55		14.88	18.55		14.88	18.55
minimum	14.88	18.55		14.88	18.55		14.88	18.55
maximum	14.90	18.56		14.89	18.56		14.90	18.56
range	0.02	0.01		0.01	0.01		0.02	0.01
std dev	0.00	0.00		0.00	0.00		0.01	0.00

LSL	14.50	18.20		14.50	18.20		14.50	18.20
NOM	15.00	18.70		15.00	18.70		15.00	18.70
USL	15.50	19.20		15.50	19.20		15.50	19.20

CPK	26.48690407	25.11236366		28.58982471	29.75063909		24.74030088	24.74294908
-----	-------------	-------------	--	-------------	-------------	--	-------------	-------------

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M13	15.00		18.70		M14	15.00		18.70		M15	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
1	14.88		18.56			14.89		18.56			14.89		18.56		
2	14.88		18.56			14.88		18.56			14.88		18.55		
3	14.88		18.56			14.88		18.56			14.89		18.55		
4	14.88		18.56			14.88		18.56			14.88		18.56		
5	14.88		18.57			14.88		18.56			14.88		18.56		
6	14.88		18.57			14.88		18.55			14.88		18.56		
7	14.88		18.56			14.89		18.56			14.89		18.57		
8	14.88		18.56			14.88		18.56			14.88		18.57		
9	14.89		18.56			14.88		18.56			14.88		18.57		
10	14.89		18.57			14.88		18.56			14.88		18.57		
11	14.88		18.57			14.89		18.56			14.88		18.56		
12	14.88		18.57			14.89		18.55			14.88		18.57		
13	14.88		18.57			14.89		18.56			14.88		18.56		
14	14.88		18.56			14.88		18.56			14.88		18.56		
15	14.88		18.57			14.88		18.56			14.88		18.57		
16	14.89		18.57			14.88		18.56			14.88		18.57		
17	14.89		18.56			14.88		18.55			14.88		18.57		
18	14.88		18.56			14.89		18.55			14.88		18.56		
19	14.88		18.57			14.88		18.56			14.89		18.56		
20	14.89		18.57			14.88		18.55			14.88		18.57		
21	14.88		18.57			14.88		18.55			14.88		18.56		
22	14.88		18.56			14.88		18.56			14.88		18.56		
23	14.88		18.56			14.88		18.56			14.88		18.56		
24	14.88		18.57			14.89		18.55			14.88		18.57		
25	14.88		18.56			14.88		18.56			14.88		18.55		
26	14.89		18.56			14.88		18.56			14.88		18.55		
27	14.88		18.57			14.88		18.55			14.89		18.57		
28	14.89		18.56			14.87		18.55			14.88		18.57		
29	14.89		18.57			14.88		18.56			14.88		18.57		
30	14.89		18.57			14.88		18.56			14.88		18.56		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M13	15.00		18.70		M14	15.00		18.70		M15	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
31	14.88		18.56			14.87		18.55			14.88		18.56		
32	14.88		18.57			14.87		18.55			14.88		18.57		
33	14.88		18.56			14.88		18.55			14.88		18.56		
34	14.88		18.56			14.88		18.55			14.89		18.56		
35	14.88		18.57			14.87		18.56			14.89		18.57		
36	14.88		18.57			14.87		18.56			14.89		18.56		
37	14.89		18.56			14.88		18.56			14.89		18.56		
38	14.88		18.57			14.88		18.55			14.88		18.56		
39	14.88		18.57			14.88		18.55			14.88		18.56		
40	14.88		18.57			14.88		18.55			14.88		18.56		
41	14.89		18.56			14.88		18.55			14.89		18.56		
42	14.88		18.57			14.88		18.56			14.88		18.56		
43	14.88		18.57			14.88		18.55			14.89		18.56		
44	14.89		18.57			14.88		18.56			14.88		18.56		
45	14.88		18.56			14.88		18.56			14.88		18.56		
46	14.88		18.57			14.88		18.56			14.88		18.56		
47	14.88		18.56			14.88		18.56			14.88		18.56		
48	14.88		18.57			14.89		18.56			14.88		18.57		
49	14.88		18.56			14.88		18.56			14.88		18.56		
50	14.89		18.57			14.88		18.55			14.89		18.57		
51	14.89		18.57			14.88		18.57			14.88		18.57		
52	14.89		18.57			14.89		18.56			14.89		18.57		
53	14.88		18.56			14.88		18.56			14.88		18.56		
54	14.88		18.57			14.88		18.55			14.88		18.57		
55	14.88		18.57			14.89		18.56			14.88		18.57		
56	14.89		18.57			14.88		18.56			14.89		18.57		
57	14.88		18.57			14.88		18.56			14.88		18.56		
58	14.88		18.56			14.88		18.56			14.89		18.56		
59	14.88		18.56			14.89		18.55			14.88		18.56		
60	14.88		18.57			14.88		18.56			14.89		18.56		

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:

M13	15.00		18.70		M14	15.00		18.70		M15	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
61	14.88		18.57			14.88		18.56			14.89		18.56		
62	14.88		18.56			14.88		18.55			14.88		18.56		
63	14.88		18.57			14.88		18.55			14.88		18.56		
64	14.88		18.57			14.88		18.56			14.88		18.57		
65	14.89		18.57			14.88		18.56			14.89		18.57		
66	14.88		18.56			14.88		18.55			14.89		18.56		
67	14.88		18.57			14.88		18.55			14.88		18.56		
68	14.88		18.56			14.88		18.56			14.88		18.56		
69	14.89		18.57			14.89		18.55			14.89		18.56		
70	14.89		18.57			14.88		18.55			14.89		18.57		
71	14.89		18.56			14.88		18.56			14.88		18.57		
72	14.88		18.56			14.88		18.55			14.88		18.56		
73	14.88		18.57			14.88		18.55			14.89		18.56		
74	14.88		18.57			14.88		18.55			14.88		18.56		
75	14.89		18.57			14.89		18.55			14.88		18.56		
76	14.89		18.57			14.88		18.55			14.88		18.56		
77	14.88		18.56			14.88		18.55			14.88		18.57		
78	14.88		18.57			14.88		18.55			14.88		18.57		
79	14.88		18.56			14.88		18.56			14.88		18.56		
80	14.88		18.57			14.88		18.56			14.88		18.57		
81	14.89		18.57			14.88		18.56			14.89		18.57		
82	14.89		18.56			14.89		18.56			14.89		18.56		
83	14.88		18.57			14.88		18.56			14.89		18.56		
84	14.88		18.57			14.88		18.55			14.88		18.57		
85	14.88		18.57			14.88		18.55			14.88		18.56		
86	14.88		18.57			14.88		18.55			14.88		18.57		
87	14.89		18.56			14.88		18.56			14.89		18.57		
88	14.88		18.57			14.88		18.56			14.89		18.56		
89	14.88		18.56			14.88		18.55			14.89		18.57		
90	14.89		18.57			14.88		18.55			14.88		18.57		

CPK DATA

Page 23 of 36

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:↓

M13	15.00		18.70		M14	15.00		18.70		M15	15.00		18.70		
	+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50		+0.50	-0.50	+0.50	-0.50	
91	14.88		18.56			14.89		18.56			14.88		18.56		
92	14.88		18.57			14.88		18.55			14.89		18.56		
93	14.88		18.57			14.88		18.56			14.89		18.56		
94	14.89		18.56			14.88		18.56			14.88		18.56		
95	14.89		18.57			14.88		18.56			14.88		18.57		
96	14.88		18.57			14.88		18.56			14.88		18.56		
97	14.88		18.57			14.88		18.56			14.89		18.57		
98	14.88		18.56			14.88		18.55			14.88		18.56		
99	14.88		18.57			14.88		18.56			14.89		18.57		
100	14.88		18.56			14.88		18.56			14.88		18.56		

average	14.88	18.57	14.88	18.56	14.88	18.56
minimum	14.88	18.56	14.87	18.55	14.88	18.55
maximum	14.89	18.57	14.89	18.57	14.89	18.57
range	0.01	0.01	0.02	0.02	0.01	0.02
std dev	0.00	0.00	0.00	0.01	0.00	0.01

LSL	14.50	18.20	14.50	18.20	14.50	18.20
NOM	15.00	18.70	15.00	18.70	15.00	18.70
USL	15.50	19.20	15.50	19.20	15.50	19.20

CPK	28.27632781	24.77831713	28.98975318	23.15579343	27.24535039	21.84534669
-----	-------------	-------------	-------------	-------------	-------------	-------------

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:↓

M16	15.00		18.70							
	+0.50	-0.50	+0.50	-0.50						
1	14.89		18.56							
2	14.88		18.57							
3	14.88		18.56							
4	14.88		18.57							
5	14.89		18.56							
6	14.88		18.56							
7	14.89		18.56							
8	14.88		18.56							
9	14.89		18.56							
10	14.88		18.56							
11	14.88		18.56							
12	14.88		18.57							
13	14.88		18.56							
14	14.88		18.56							
15	14.88		18.56							
16	14.88		18.57							
17	14.89		18.56							
18	14.88		18.56							
19	14.88		18.56							
20	14.88		18.55							
21	14.89		18.56							
22	14.88		18.56							
23	14.88		18.56							
24	14.88		18.56							
25	14.88		18.56							
26	14.89		18.56							
27	14.88		18.55							
28	14.88		18.55							
29	14.89		18.56							
30	14.88		18.56							

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:**↓**

M16	15.00		18.70							
	+0.50	-0.50	+0.50	-0.50						
31	14.89		18.56							
32	14.89		18.55							
33	14.90		18.56							
34	14.89		18.56							
35	14.89		18.56							
36	14.89		18.56							
37	14.88		18.56							
38	14.88		18.56							
39	14.88		18.56							
40	14.86		18.56							
41	14.88		18.56							
42	14.88		18.56							
43	14.88		18.56							
44	14.88		18.56							
45	14.88		18.56							
46	14.88		18.56							
47	14.89		18.57							
48	14.88		18.56							
49	14.88		18.56							
50	14.88		18.56							
51	14.89		18.57							
52	14.88		18.56							
53	14.88		18.56							
54	14.88		18.56							
55	14.89		18.56							
56	14.88		18.55							
57	14.88		18.56							
58	14.89		18.56							
59	14.89		18.56							
60	14.89		18.56							

CPK DATA

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

B11

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:**↓**

M16	15.00		18.70							
	+0.50	-0.50	+0.50	-0.50						
61	14.89		18.56							
62	14.88		18.57							
63	14.88		18.55							
64	14.89		18.56							
65	14.88		18.56							
66	14.88		18.56							
67	14.88		18.56							
68	14.89		18.56							
69	14.88		18.56							
70	14.88		18.56							
71	14.89		18.55							
72	14.88		18.56							
73	14.88		18.56							
74	14.88		18.55							
75	14.88		18.57							
76	14.90		18.56							
77	14.88		18.56							
78	14.88		18.56							
79	14.88		18.56							
80	14.88		18.56							
81	14.89		18.56							
82	14.89		18.56							
83	14.88		18.56							
84	14.88		18.55							
85	14.89		18.57							
86	14.89		18.57							
87	14.88		18.56							
88	14.88		18.55							
89	14.89		18.56							
90	14.88		18.55							

CPK DATA

Page 27 of 36

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS (PLT.5)

Prepared by: Cindy Meador 2/7/20

PART Name/Desc: **FO-064A6MA-B**

Design Rec. Change level/date:

PART NO (s): **6098-8727**

LU5T-14A459-CB

B11

5/18/2018

Mold #: **1724-A**

Eng. Change Documents: NA

CAVITY #:↓

M16	15.00		18.70							
	+0.50	-0.50	+0.50	-0.50						
91	14.88		18.55							
92	14.88		18.56							
93	14.88		18.56							
94	14.89		18.57							
95	14.88		18.56							
96	14.88		18.55							
97	14.88		18.55							
98	14.88		18.57							
99	14.89		18.56							
100	14.88		18.56							

average	14.88	18.56
minimum	14.86	18.55
maximum	14.90	18.57
range	0.04	0.02
std dev	0.01	0.01

LSL	14.50	18.20
NOM	15.00	18.70
USL	15.50	19.20

CPK	22.55181998	23.42098509
-----	-------------	-------------

WORK INSTRUCTION

AREA:	QUALITY ASSURANCE LAB
TITLE	LABORATORY SCOPE - SCOTTSVILLE (SV5, SV5-2, SV5-Franklin)

PURPOSE: To summarize the testing capabilities available at Scottsville Plant (SV5, SV5-2, SV5-Franklin), and to clarify the equipment, tests performed, standards, recording method and reaction plan.	APPLICATION: Scottsville (SV5, SV5-2, SV5-Franklin)
	RULE ENFORCER: QA Coordinator / Above

SV5 Tests Performed

TESTS PERFORMED	EQUIPMENT USED	TEST METHODS / STANDARD	RECORDING METHOD	REACTION METHOD
Melt Flow Rate	Tinius Olsen Extrusion Plastometer	QRW - MELTFLOW	Melt Index Record	Reject Tag Procedure
Waterproof Test	Waterproof Tester	QAW - WATERPROOFTTEST	Inspection Data Sheet	Reject Tag Procedure
Moisture Analysis (Reference Only)	Moisture Tester	F-A-SV5-010	Moisture Test Data Sheet	Reject Tag Procedure
Insertion / Retention Test	Force Gage Instron Tester	QAW - INSERTRETPROC QAW - InstronOperation	Inspection Data Sheet Data storage	Reject Tag Procedure
Dimensional Measurement	Profile / Caliper / Micrometer / Depth Gage / Keyence Measurement System	Inspection Instruction Sheet	Inspection Data Sheet	Reject Tag Procedure
Part Weight	Scale	Inspection Instruction Sheet	Inspection Data Sheet	Reject Tag Procedure
Freeze Test	Freezer	SWS Inspection Standard	Inspection Data Sheet	Reject Tag Procedure

SV5 - Franklin Tests Performed

TESTS PERFORMED	EQUIPMENT USED	TEST METHODS / STANDARD	RECORDING METHOD	REACTION METHOD
Melt Flow Rate	Tinius Olsen Extrusion Plastometer	QRW - MELTFLOW	Melt Index Record	Reject Tag Procedure
Waterproof Test	Waterproof Tester	QAW - WATERPROOFTTEST	Inspection Data Sheet	Reject Tag Procedure
Insertion / Retention Test	Force Gage Instron Tester	QAW - INSERTRETPROC QAW - InstronOperation	Inspection Data Sheet Data storage	Reject Tag Procedure

WORK INSTRUCTION

AREA:	QUALITY ASSURANCE LAB			
TITLE	LABORATORY SCOPE - SCOTTSVILLE (SV5, SV5-2, SV5-Franklin)			
Dimensional Measurement	Caliper / Micrometer / Depth Gage / Keyence Measurement System	Inspection Instruction Sheet	Inspection Data Sheet	Reject Tag Procedure
Part Weight	Scale	Inspection Instruction Sheet	Inspection Data Sheet	Reject Tag Procedure
Freeze Test	Freezer	SWS Inspection Standard	Inspection Data Sheet	Reject Tag Procedure

SV5 (Building 2) Tests Performed

TESTS PERFORMED	EQUIPMENT USED	TEST METHODS / STANDARD	RECORDING METHOD	REACTION METHOD
Hardness Test	Hardness Tester	H-A-001	Hardness Test Data Sheet	Reject Tag Procedure
Dimensional Measurement	Profile / Caliper / Micrometer / Depth Gage / Nikon MM-400	Inspection Instruction Sheet	Inspection Data Sheet	Reject Tag Procedure
Contact Force Test	Contact Force Gage	MSW-Force Gage	Inspection Data Sheet	Reject Tag Procedure
Dimensional Measurement	Profile / Keyence System / OGP / Caliper / Micrometer / Depth Gage / Slip Gages	SWS Inspection Standard	Inspection Data Sheet	Reject Tag Procedure

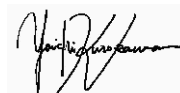
Equipment Calibrations

	EQUIPMENT USED	TEST METHODS / STANDARD	RECORDING METHOD	REACTION METHOD
Calipers, Micrometers, Depth Gages, Weigh Scales, other process tools/jigs.	Certified Gages (Gage Blocks & Weights)	Per Calibration Procedure	Calibration Record and Gagetrak	Reject Tag Procedure
Keyence Microscope	Certified Gages			
Force Gages	Certified Weights			
Freezer	Certified Meter			
Melt Indexer	Outside Vendor			
Moisture Analyzer	Outside Vendor			
Water Pressure Gage	Outside Vendor			
Hardness Tester	Outside Vendor			
Optical Comparator (Profile)	Outside Vendor			
Keyence Measurement Scope	Outside Vendor			
OGP	Outside Vendor			
NIKON MM-400	Outside Vendor			
INSTRON Tensile Tester	Outside Vendor			

TO SUMITOMO ELECTRIC WIRING SYSTEMS

POLYPLASTICS CO., LTD.
JR SHINAGAWA EAST BLDG. 13
2-18-1, KONAN
MINATO-KU, TOKYO, 108-8280 JAPAN**CERTIFICATION OF ANALYSIS**WE HEREBY CERTIFY THAT THE UNDERMENTIONED LOT WAS DULY
INSPECTED AND PASSED BY OUR QUALITY CONTROL DEPARTMENT.**POLYBUTYLENE TEREPHTHALATE
DURANEX(R)**GRADE; COLOR NO.
LOT NO.
JUDGMENT**GHB315 ED3002
M19090005
PASS**

ITEM	TESTING METHOD	UNIT	<<< SPEC >>>	VALUE
MFR	ISO 1133	g/10min	5.0 -- 17.0	10.2
Ash Content	ISO 3451	%	13.0 -- 17.0	14.9
Tensile strength	ISO 527-1, 2	MPa	>= 75.0	96.8
Tensile strain	ISO 527-1, 2	%	>= 2.8	4.1
Temperature of deflection under load (AT 1.8MPa)	ISO 75-1, 2	degC	>= 190.0	199.5

2019/10/01
Approved ByQUALITY ASSURANCE DEPARTMENT
YOICHI KUROKAWA

※according to EN 10204-3.1

※This lot complies with RoHS requirements.

DURANEX(R) is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.