

## 1.5mm Pitch Wire to Board Connector with Latch

1. Introduction

1.1 Objective

Testing was performed on 1.5mm Pitch Wire to Board Connector with Latch to determine if it meets the requirements of Product Specification 108-115198.

1.2 Scope

This report covers the Electrical, Mechanical and environmental performance requirements of 1.5mm Pitch Wire to Board Connector with Latch.

The qualification testing was performed between 13-JUN-2021 and 15-JUL-2021.

1.3 Conclusion

1.5mm Pitch Wire to Board Connector with Latch meets the Electrical, Mechanical and Environmental performance requirements of Product Specification, 108-115183.

1.4 Product Description

Product Part No.	Description
x-2380312-x	Cable Housing of 1.5mm Pitch Wire to Board Connector with Latch
2380403-x	Cable Contact of 1.5mm Pitch Wire to Board Connector with Latch
x-2380320-x	Vertical Type Board Side of 1.5mm Pitch Wire to Board Connector with Latch
x-2381626-x	Right Angle Type Board Side of 1.5mm Pitch Wire to Board Connector with Latch

Fig.1

2. Test Contents

Para.	Test Items	Requirements	Judgment
2.1	Examination of Product	Meets requirements of product drawing.	Acceptable
<b>Electrical Requirements</b>			
2.2	Termination Resistance (Low Level)	Mated connectors with PCB. Measure device: Open-circuit 20mV max, Mesh currents 10mA 20 mΩ MAX initial, 10 mΩ MAX changed.	Acceptable
2.3	Dielectric withstanding voltage	No creeping discharge or flashover shall occur. Current leakage: 1mA Max.	Acceptable
2.4	Insulation Resistance	1000 MΩ Min	Acceptable
2.5	Temperature Rising	30°C max, when apply current rate	Acceptable
<b>Mechanical Requirements</b>			
2.6	Connector Mating/Unmating Force	See item 5	Acceptable
2.7	Durability	30 cycles	Acceptable

Fig. 2(to be continued)

Para.	Test Items	Requirements	Judgment
2.8	Vibration (Low Frequency)	1 us Max.	Acceptable
2.9	Mechanical Shock	1 us Max.	Acceptable
2.10	Contact Retention Force of Board side	0.50 kgf Min.	Acceptable
2.11	crimping Terminal Pull Strength of the housing (Cable size)	0.50 kgf Min.	Acceptable
2.12	Wire Crimping Strength	AWG# 24: 2.0Kgf Min AWG# 26: 1.5Kgf Min AWG# 28: 1.0Kgf Min AWG# 30: 0.5Kgf Min.	Acceptable
2.13	Board Lock Pull Strength of Wire Lock	1.0kgf Min.	Acceptable

Enviromental Requirements

2.14	Thermal Shock	See Product Qualification and Test Sequence <a href="#">Group 4</a>	Acceptable
2.15	Humidity	See Product Qualification and Test Sequence <a href="#">Group 4</a>	Acceptable
2.16	Salt Spray	See Product Qualification and Test Sequence <a href="#">Group 9</a>	Acceptable
2.17	Temperature Life (Heat Aging)	See Product Qualification and Test Sequence <a href="#">Group 5</a>	Acceptable
2.18	Solderability	Solder able area shall have minimum of 95% solder coverage.	Acceptable
2.19	Resistance to Soldering Heat	See Product Qualification and Test Sequence <a href="#">Group 6</a>	Acceptable

Fig. 2 (End)

## 1.5mm Pitch Wire to Board Connector with Latch

3. Mating / Unmating Force:

Unit: N

Pos. No.	At initial		At 30th
	Mating Force. ( Max )	Unmating Force ( Min )	Unmating Force ( Min )
2	20	2	2
3	20	2	2
4	20	2	2
5	30	3	3
6	30	3	3
7	30	3	3
8	40	4	4
9	40	4	4
10	40	4	4
11	50	5	5
12	50	5	5
13	50	5	5
14	60	6	6
15	60	6	6

**Table 3**

4. Product Qualification Test Sequence

Test or Examination	Test Group											
	1	2	3	4	5	6	7	8	9	10	11	12
	Test Sequence											
Examination of Product				1,7	1,6	1,4						1,4
Low Level Contact Resistance		1,5	1,4	2,10	2,9	2,5						2,5
Insulation Resistance				3,9	3,8							
Dielectric Withstanding Voltage				4,8	4,7							
Temperature rise	1											
Mating / Unmating Forces		2,4										
Durability		3										
Contact Retention Force								1				
Vibration			2									
Shock (Mechanical)			3									
Thermal Shock				5								
Humidity				6								
Temperature life					5							
Salt Spray												3
Crimping Terminal Pull Strength of the housing (cable size)									1			
Board Lock Pull Strength of										1		
Wire Crimping Strength											1	
Solder ability							1					
Resistance to Soldering Heat						3						

Numbers indicate sequence in which the tests are performed.

Fig.3

## 1.5mm Pitch Wire to Board Connector with Latch

### 5. Test Results

TG	Test Item	N	Condition	Test Result			Requirement	Judgment	
				Max	Min	Ave			
1	Examination of product	8	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	Thermal Rising(15pos) (3A)	8	Initial	23.7°C	22.0°C	22.6°C	30°C Max.	Meet Spec	
	Thermal Rising (15pos) (3.5A)	8	Initial	28.6°C	25.4°C	27.1°C	30°C Max.	Meet Spec	
	Examination of product	8	Final	No physical damage occurred.			No abnormalities	Meet Spec	
2	7-2380320-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	10.731 mΩ	7.534 mΩ	8.858 mΩ	20mΩ Max.	Meet Spec
		Mating force	4	Initial	19.8N	19.0N	19.4N	60N Max.	Meet Spec
		Unmating force	4	Initial	20.0N	18.3N	19.2N	6N Min.	Meet Spec
		Durability	4	30cycles	No physical damage occurred.			No abnormalities	Meet Spec
		Mating force	4	Final	28.0N	19.5N	23.7N	60N Max.	Meet Spec
		Unmating force	4	Final	22.5N	18.8N	20.5N	6N Min.	Meet Spec
		LLCR	4*5	Initial	10.368 mΩ	7.348mΩ	8.550mΩ	30mΩ Max.	Meet Spec
	5-2380320-5	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	8.818 mΩ	6.934 mΩ	7.670 mΩ	20mΩ Max.	Meet Spec
		Mating force	4	Initial	22.4N	19.2N	21.1N	60N Max.	Meet Spec
		Unmating force	4	Initial	17.4N	16.7N	17.1N	6N Min.	Meet Spec
		Durability	4	30cycles	No physical damage occurred.			No abnormalities	Meet Spec
		Mating force	4	Final	26.6N	22.1N	25.0N	60N Max.	Meet Spec
		Unmating force	4	Final	26.9N	21.1N	24.6N	6N Min.	Meet Spec
	7-2381626-5	LLCR	4*5	Initial	9.579 mΩ	6.94 mΩ	7.849 mΩ	30mΩ Max.	Meet Spec
		Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	9.866 mΩ	7.546 mΩ	8.836 mΩ	20mΩ Max.	Meet Spec
		Mating force	4	Initial	38.1N	21.1N	26.9N	60N Max.	Meet Spec
		Unmating force	4	Initial	18.6N	12.8N	14.6N	6N Min.	Meet Spec
		Durability	4	30cycles	No physical damage occurred.			No abnormalities	Meet Spec
		Mating force	4	Final	31.8N	20.4N	26.3N	60N Max.	Meet Spec
	5-2381626-5	Unmating force	4	Final	18.7N	14.8N	16.8N	6N Min.	Meet Spec
		LLCR	4*5	Initial	9.916 mΩ	7.419 mΩ	8.845 mΩ	30mΩ Max.	Meet Spec
		Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	9.856 mΩ	7.152 mΩ	8.156 mΩ	20mΩ Max.	Meet Spec
		Mating force	4	Initial	24.5N	21.7N	23.4N	60N Max.	Meet Spec
		Unmating force	4	Initial	21.2N	18.8N	19.9N	6N Min.	Meet Spec
		Durability	4	30cycles	No physical damage occurred.			No abnormalities	Meet Spec
5-2381626-5	Mating force	4	Final	26.8N	24.3N	25.8N	60N Max.	Meet Spec	
	Unmating force	4	Final	23.9N	21.8N	22.8N	6N Min.	Meet Spec	
	LLCR	4*5	Initial	9.713 mΩ	7.437 mΩ	8.359 mΩ	30mΩ Max.	Meet Spec	
	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	

## 1.5mm Pitch Wire to Board Connector with Latch

3	7-2380320-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	9.231 mΩ	7.469 mΩ	8.368 mΩ	20mΩ Max.	Meet Spec
		Vibration	4	Final	No electrical discontinuity greater than 0.1μsec. shall occur.			No abnormalities	Meet Spec
		Physical Shock	4	Final	No electrical discontinuity greater than 0.1μsec. shall occur.			No abnormalities	Meet Spec
		LLCR	4*5	Final	10.764 mΩ	7.638 mΩ	8.832 mΩ	30mΩ Max.	Meet Spec
		Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
	5-2380320-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	8.631 mΩ	6.384 mΩ	7.480 mΩ	20mΩ Max.	Meet Spec
		Vibration	4	Final	No electrical discontinuity greater than 0.1μsec. shall occur.			No abnormalities	Meet Spec
		Physical Shock	4	Final	No electrical discontinuity greater than 1μsec. shall occur.			No abnormalities	Meet Spec
		LLCR	4*5	Final	10.028 mΩ	8.163 mΩ	9.028 mΩ	30mΩ Max.	Meet Spec
		Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
	7-2381626-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	8.956 mΩ	7.312 mΩ	8.159 mΩ	20mΩ Max.	Meet Spec
		Vibration	4	Final	No electrical discontinuity greater than 1μsec. shall occur.			No abnormalities	Meet Spec
		Physical Shock	4	Final	No electrical discontinuity greater than 1μsec. shall occur.			No abnormalities	Meet Spec
		LLCR	4*5	Final	10.214 mΩ	8.194 mΩ	9.060 mΩ	30mΩ Max.	Meet Spec
		Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
	5-2381626-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	8.872 mΩ	7.039 mΩ	8.109 mΩ	20mΩ Max.	Meet Spec
		Vibration	4	Final	No electrical discontinuity greater than 1μsec. shall occur.			No abnormalities	Meet Spec
		Physical Shock	4	Final	No electrical discontinuity greater than 1μsec. shall occur.			No abnormalities	Meet Spec
		LLCR	4*5	Final	9.834 mΩ	8.012 mΩ	8.943 mΩ	30mΩ Max..	Meet Spec
		Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
4	7-2380320-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	9.741 mΩ	7.452 mΩ	8.457 mΩ	20mΩ Max.	Meet Spec
		Insulation Resistance	4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec
		Dielectric withstanding Voltage	4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec
		Thermal Shock	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Humidity	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Dielectric withstanding Voltage	4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec
		Insulation Resistance	4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec
		LLCR	4*5	Final	10.537 mΩ	7.873 mΩ	9.376 mΩ	30mΩ Max.	Meet Spec
	5-2380320-5	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	8.758 mΩ	6.820 mΩ	7.904 mΩ	20mΩ Max.	Meet Spec
		Insulation Resistance	4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec
		Dielectric withstanding Voltage	4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec
		Thermal Shock	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Humidity	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Dielectric withstanding Voltage	4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec
		Insulation Resistance	4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec
LLCR	4*5	Final	8.979 mΩ	7.594 mΩ	8.128 mΩ	30mΩ Max.	Meet Spec		
Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec		

## 1.5mm Pitch Wire to Board Connector with Latch

7-2381626-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	LLCR	4*5	Initial	9.662 mΩ	7.190 mΩ	8.244 mΩ	20mΩ Max.	Meet Spec	
	Insulation Resistance	4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec	
	Dielectric withstanding Voltage	4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Thermal Shock	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
	Humidity	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
	Dielectric withstanding Voltage	4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Insulation Resistance	4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec	
	LLCR	4*5	Final	10.347 mΩ	7.821 mΩ	8.813 mΩ	30mΩ Max.	Meet Spec	
	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
	5-2381626-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	4*5	Initial	9.571 mΩ	7.065 mΩ	8.057 mΩ	20mΩ Max.	Meet Spec
		Insulation Resistance	4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec
		Dielectric withstanding Voltage	4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec
		Thermal Shock	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Humidity	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Dielectric withstanding Voltage	4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec
		Insulation Resistance	4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec
LLCR		4*5	Final	10.706 mΩ	7.210 mΩ	8.665 mΩ	30mΩ Max.	Meet Spec	
Examination of product		4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
7-2380320-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	LLCR	4*5	Initial	9.88 mΩ	7.787 mΩ	8.778 mΩ	20mΩ Max.	Meet Spec	
	Insulation Resistance	4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec	
	Dielectric withstanding Voltage	4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Temperature life	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
	Dielectric withstanding Voltage	4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Insulation Resistance	4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec	
	LLCR	4*5	Final	9.906 mΩ	7.634 mΩ	9.194 mΩ	30mΩ Max.	Meet Spec	
	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
	5-2380320-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
LLCR		4*5	Initial	8.672 mΩ	6.840 mΩ	7.720 mΩ	20mΩ Max.	Meet Spec	
Insulation Resistance		4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec	
Dielectric withstanding Voltage		4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
Temperature life		4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
Dielectric withstanding Voltage		4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
Insulation Resistance		4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec	
LLCR		4*5	Final	10.821 mΩ	7.713 mΩ	8.561 mΩ	30mΩ Max.	Meet Spec	
Examination of product		4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
7-2381626-5		Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
	LLCR	4*5	Initial	9.652 mΩ	7.232 mΩ	8.541 mΩ	20mΩ Max.	Meet Spec	
	Insulation Resistance	4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec	
	Dielectric withstanding Voltage	4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Temperature life	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
	Dielectric withstanding Voltage	4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Insulation Resistance	4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec	
	LLCR	4*5	Final	9.784 mΩ	7.697 mΩ	8.706 mΩ	30mΩ Max.	Meet Spec	
	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	

## 1.5mm Pitch Wire to Board Connector with Latch

5-2381626-5	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	LLCR	4*5	Initial	9.742 mΩ	7.288 mΩ	8.306 mΩ	20mΩ Max.	Meet Spec	
	Insulation Resistance	4	Initial	>1000 MΩ			1000 MΩ Min	Meet Spec	
	Dielectric withstanding Voltage	4	Initial	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Temperature life	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
	Dielectric withstanding Voltage	4	Final	No breakdown or flashover occurred.			No abnormalities	Meet Spec	
	Insulation Resistance	4	Final	>1000 MΩ			1000 MΩ Min	Meet Spec	
	LLCR	4*5	Final	9.515 mΩ	7.573 mΩ	8.462 mΩ	30mΩ Max.	Meet Spec	
	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec	
6	7-2380320-5	Examination of product	2	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	2*5	Initial	6.602 mΩ	5.003 mΩ	6.010 mΩ	20mΩ Max.	Meet Spec
		Resistance to Soldering Heat	2	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	2*5	Final	8.341 mΩ	5.366 mΩ	6.519 mΩ	30mΩ Max.	Meet Spec
		Examination of product	2	Final	No physical damage occurred.			No abnormalities	Meet Spec
	5-2380320-5	Examination of product	2	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	2*5	Initial	5.868 mΩ	4.946 mΩ	5.454 mΩ	20mΩ Max.	Meet Spec
		Resistance to Soldering Heat	2	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	2*5	Final	8.337 mΩ	5.565 mΩ	6.208 mΩ	30mΩ Max.	Meet Spec
		Examination of product	2	Final	No physical damage occurred.			No abnormalities	Meet Spec
	7-2381626-5	Examination of product	2	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR	2*5	Initial	6.128 mΩ	5.519 mΩ	5.829 mΩ	20mΩ Max.	Meet Spec
Resistance to Soldering Heat		2	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
LLCR		2*5	Final	9.999 mΩ	5.167 mΩ	6.571 mΩ	30mΩ Max.	Meet Spec	
Examination of product		2	Final	No physical damage occurred.			No abnormalities	Meet Spec	
5-2381626-5	Examination of product	2	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	LLCR	2*5	Initial	5.812 mΩ	5.082 mΩ	5.625 mΩ	20mΩ Max.	Meet Spec	
	Resistance to Soldering Heat	2	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	LLCR	2*5	Final	6.756 mΩ	5.328 mΩ	5.730 mΩ	30mΩ Max.	Meet Spec	
	Examination of product	2	Final	No physical damage occurred.			No abnormalities	Meet Spec	
7	Examination of product	8	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	Solder ability	8	Final	No physical damage occurred.			No abnormalities	Meet Spec	
8	Examination of product	8	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	7-2380320-5	Pin retention force	2*5	Final	1.288 kgf	1.118 kgf	1.193 kgf	0.5 kgf Min.	Meet Spec
	5-2380320-5	Pin retention force	2*5	Final	0.983 kgf	0.791 kgf	0.864 kgf	0.5 kgf Min.	Meet Spec
	7-2381626-5	Pin retention force	2*5	Final	0.862 kgf	0.707 kgf	0.764kgf	0.5 kgf Min.	Meet Spec
	5-2381626-5	Pin retention force	2*5	Final	1.387 kgf	1.170 kgf	1.269 kgf	0.5 kgf Min.	Meet Spec
9	Examination of product	8	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	Crimp contact retention force	8*5	Final	1.493 kgf	0.843 kgf	1.127 kgf	0.5 kgf Min.	Meet Spec	
10	2380320 (15pos)	Examination of product	4	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		Lock force	4	Initial	2.554 kgf	1.700 kgf	2.157 kgf	0.5 kgf Min.	Meet Spec
	2381626 (15pos)	Examination of product	4	Final	No physical damage occurred.			No abnormalities	Meet Spec
		Lock force	4	Final	2.380 kgf	1.407 kgf	1.910 kgf	0.5 kgf Min.	Meet Spec

**1.5mm Pitch Wire to Board Connector with Latch**

11	Examination of product		8	Initial	No physical damage occurred.			No abnormalities	Meet Spec	
	Wire Crimping Strength (AWG24)		2	Initial	2.96 kgf	2.83 kgf	2.895 kgf	2.0 kgf Min.	Meet Spec	
	Wire Crimping Strength (AWG26)		2	Initial	2.32 kgf	2.22 kgf	2.27 kgf	1.5 kgf Min.	Meet Spec	
	Wire Crimping Strength (AWG28)		2	Initial	1.92 kgf	1.83 kgf	1.875 kgf	1.0 kgf Min.	Meet Spec	
	Wire Crimping Strength (AWG30)		2	Initial	0.88 kgf	0.82 kgf	0.85 kgf	0.5 kgf Min..	Meet Spec	
	Examination of product		8	Final	No physical damage occurred.			No abnormalities	Meet Spec	
12	7-2380320-5	Examination of product		2	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR		2	Initial	9.983 mΩ	7.167 mΩ	8.712 mΩ	20mΩ Max.	Meet Spec
		Salt Spray		2	Final	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR		2	Final	10.934 mΩ	8.741 mΩ	10.216 mΩ	30mΩ Max.	Meet Spec
		Examination of product		2	Final	No physical damage occurred.			No abnormalities	Meet Spec
	7-2381626-5	Examination of product		5	Initial	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR		5	Initial	9.674 mΩ	7.768 mΩ	8.614 mΩ	20mΩ Max.	Meet Spec
		Salt Spray		2	Final	No physical damage occurred.			No abnormalities	Meet Spec
		LLCR		5	Final	10.137 mΩ	8.076 mΩ	9.266 mΩ	30mΩ Max.	Meet Spec
		Examination of product		5	Final	No physical damage occurred.			No abnormalities	Meet Spec

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