


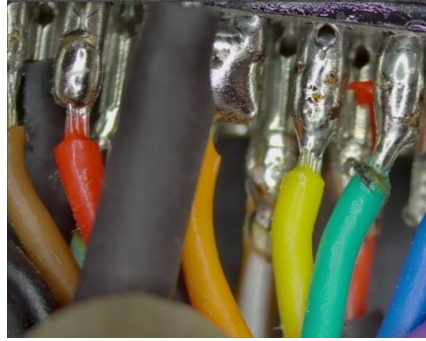
Outgoing Test Report

Report No.: QC-021/A: 21-4-01

Product Code	3909605	Customer Code	TEX	Order No.	A210309DC -3	Order Qty	500pcs	Testing Date:	08-Apr-21
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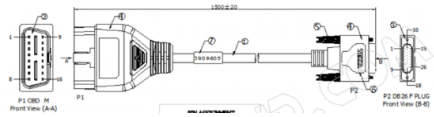
(Full Inspection 500pcs)

Test Equipment	Visual								
Test Method	Visual appearance Inspection								
Test Standard	Inspection whether have false soldering, less tin, short circuit, tin tip, tin residue or other defects between tin points								
Test Equipment	The microscope of 150 times	Test Fixture							




No.	Item	No false soldering	No less tin	No short circuit	No tin tip	No tin residue						Results				
Sample 1		OK	OK	OK	OK	OK						<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail	
Sample 2		OK	OK	OK	OK	OK						<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail	
Sample 3		OK	OK	OK	OK	OK						<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail	
Sample		OK	OK	OK	OK	OK						<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail	

2. DIMENSION INSPECTION (5pcs Inspected)


Test Equipment	Measurement Tape									
Test Method	Use the Measurement Tape measure from end of P1(OBD Male Connector) to end of P2(end of DB26 Female Connector)									
Test Standard	±20mm									

No.	Item											Results				
		1500														
Sample 1	1505												<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail
Sample 2	1501												<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail
Sample 3	1502												<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail
Sample 4	1500												<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail
Sample 5	1508												<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail



3. COSMETIC INSPECTION (Full Inspection 500pcs)

Test Equipment	Visual											
Test Method	Visual appearance Inspection											
Test Standard	No Crack, Deformation, Shrinkage, Color Diviation and Mark, Correct Cable Sleeve											
Cable Sleeve Standard	No Crack, Deformation, Shrinkage, Mark and Legible Put the cable sleeve in the right side.											
Item	No Crack	No Deform	No Shrinkage	No Color Diviation	No Marking	Correct cable Sleeve						Results
No.												
Sample 1	OK	OK	OK	OK	OK	OK				<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/> Fail
Sample 2	OK	OK	OK	OK	OK	OK				<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/> Fail
Sample 3	OK	OK	OK	OK	OK	OK				<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/> Fail
Sample	OK	OK	OK	OK	OK	OK				<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/> Fail

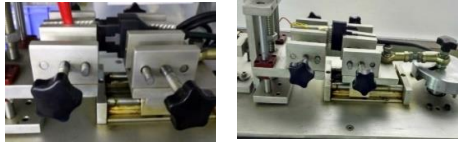
4. IC Test (Full Inspection 500pcs)

Test Equipment	Multi-Meter & Electric Load Jig			Test Fixture								
Test Method	1.Test DB end with Multi-meter. 2.Connect DB26 end to Jig with diference electric Load (0.3V-0.5V)											
Test Standard	±0.1V											
Item	0.4V											Results
No.												
Sample 1	0.357											<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Sample 2	0.355											<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Sample 3	0.356											<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Sample 4	0.354											<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Sample 5	0.369											<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail


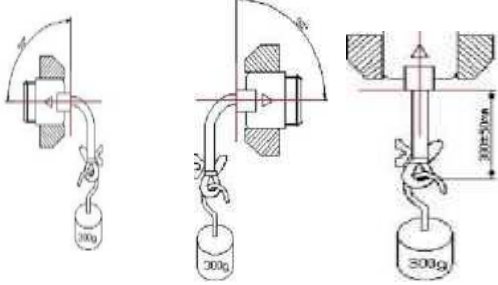
5. CONDUCTIVITY/RESISTANCE TEST (Full Inspection 500pcs)

Test Equipment	Cable Conductive Tester			Test Fixture			Universal Cable/Harness Tester						
Test Method	1. Conductivity testing: Test pinout connection as per approved drawing with swing test												
Test Method	2. Insulation Resistance Testing: Connect to the fixture at both sides, Testing Voltage: DC:300V , Insulation Resistance : 10M												
Item	Cable Testing Items										Results		
No.													
1	Conductivity testing										<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/> Fail
2	Insulation Resistance Testing										<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/> Fail

6. PLUG AND UNPLUG TESTING (3pcs Inspected)


Test Equipment	Microprocessor Plug & Unplug Tester	Test Fixture									
Test Method	Plug & Unplug Speed: 25mm per minute Plug in Force: Below 147 Newton (around 15kg) Unplug Force: Below 49 Newton (around 5kg) Cycles: 3000 Speed: 600 cycles per hour 1. No cosmetic wear off or deformation. 2. Plug in force below 35N, Unplug force above 10N and Contact Resistance below 40R after 2800 cycles.										
Cycles	500 (AVE)		1000 (AVE)		1500 (AVE)		2000 (AVE)		3000 (AVE)		Results
Item	Plug in Force	Unplug Force	Plug in Force	Unplug Force	Plug in Force	Unplug Force	Plug in Force	Unplug Force	Plug in Force	Unplug Force	
No.											
Sample 1											
DB26 F	9.23	5.18	8.65	4.97	7.47	4.62	6.34	4.16	5.19	4.01	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
OBD 16 M	6.51	5.15	6.28	4.85	5.91	4.46	5.53	4.27	5.07	4.06	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Sample 2											
DB26 F	9.17	5.91	7.95	5.54	7.49	5.17	6.07	5.05	5.61	4.8	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
OBD 16 M	6.08	5.73	5.75	5.31	5.48	4.88	5.24	4.53	5.12	4.24	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Sample 3											
DB26 F	9.10	5.58	8.61	5.19	7.38	4.81	6.59	4.57	5.48	4.20	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
OBD 16 M	6.34	5.35	6.19	5.21	5.72	5.13	5.58	4.68	4.81	4.35	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

7. SWING TEST (3pcs Inspected)

Test Equipment	Cable Swing Tester	Test Fixture			
Test Method	Load: 1000g Swing Degree: Left/Right 60° Speed: 25 cycles/min Cycles: 800 Swing Direction: Vertical & Horizontal No Broken Cable				
No.	Cycles	800		Results	
	Item	Internal Resistance			
	No.				
Sample 1	DB26 F to OBD 16 M	MAX: 0.282	MIN:0.002	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
Sample 2	DB26 F to OBD 16 M	MAX: 0.275	MIN:0.002	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
Sample 3	DB26 F to OBD 16 M	MAX: 0.281	MIN:0.002	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail

8. TENSILE TEST (3pcs Inspected)

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Test Equipment		Microprocessor Tensile Tester	Test Fixture		
Test Method		1. Fix the connector head onto the fixture, pull the load at the speed of 25mm per minute, the value shown when the cable pull of is the tensile force. 2. Fix the connector onto the fixture, pull the load at the speed of 25mm per minute, the value shown when the connector get loose from the connector head is the tensile force. (wire not force)			
No	Item	M/C(kg)	M/S(kg)	Results	
	No.				
Sample 1	DB26 F	108.15		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
	OBD 16 M	96.72		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
Sample 2	DB26 F	114.73		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
	OBD 16 M	98.51		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
Sample 3	DB26 F	102.57		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
	OBD 16 M	97.28		<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail

Prepared By:



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QC Inspector

Verified By:



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Product Manager Controller