

PPAP Sample Report

Example for 16-Pin Diagnostic Cable

Author: Linda liu

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1 Part Number & Revision

Part Number	Revision	Description
J1939-16-001	A	16-Pin Diagnostic Cable, Custom Wire Harness

2 Material Compliance (RoHS/REACH)

- Conductor: Tinned Copper, RoHS Compliant
- Insulation: PVC/PE, REACH Compliant
- Connector: DB15 Male/Female, RoHS Compliant

3 Dimensional Inspection Results

Feature	Spec	Measured	Pass/Fail
Cable length	500mm ±5mm	498mm	Pass
Pin Spacing	2.54mm ±0.1mm	2.53mm	Pass
Connector Dimensions	Per DB15 Standard	OK	Pass

4 Electrical Test Results

Test	Standard	Result	Pass/Fail
Continuity	100%	OK	Pass
Insulation Resistance	$\geq 100 \text{ M}\Omega$	120 MΩ	Pass
Dielectric Strength	500V AC	No Breakdown	Pass

5 First Article Approval Signature / Date

Approval Role	Name	Signature	Date
QA Engineer	Linda Liu	[Signature]	2025-11-07
Production Supervisor	May Yang	[Signature]	2025-11-07
Customer Engineer	Terry Luo	[Signature]	[Date]

6 Process Flow Summary

Stage	Key Steps	Quality Control (QC)
I. Material Preparation & Preprocessing	Raw material procurement → Cable cutting → Insulation stripping	IQC + In-Process Checks
II. Terminal Connection & Initial Assembly	Welding & tinning → Connector assembly → Inner molding	100% Electrical Testing
III. Outer Molding & Finishing	Outer molding → Electronic testing	Visual & Electrical Verification
IV. Final Inspection & Packaging	Final inspection → Rework → Assembly & Fixing → Packaging	Final Quality Control (FQC)

