



IPC-A-610 / IPC/WHMA-A-620 Inspection Kit

Inspection records for board and harness shops, built around IPC topics.

What's inside

File	What it is / how to use it
01_IPC_Inspection_Checklists_Defect_Log_Cert_Tracker.xlsx	IPC-A-610 and IPC/WHMA-A-620 topic checklists with class selection and automatic ACCEPT/REJECT; defect log with Pareto; operator/inspector cert tracker with 24-month expiry.
02_Rework_and_Repair_Record.docx	Rework/repair record with re-inspection and customer approval.
03_Which_IPC_Standard_Do_I_Need.docx	Plain-English map of IPC documents and classes.

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About the author

Built by Matt Norman, US Navy veteran and former SpaceX Falcon 9 quality inspector and QA supervisor. (Not affiliated with or endorsed by SpaceX.) Norman Quality Tools is Veteran-Owned & Operated. Contains no SpaceX, government, or customer proprietary information; all example data is made up.

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Rework & Repair Record

IPC-A-610 / IPC/WHMA-A-620 Inspection Kit - Document 02 - Rev A (2026-10)

Rework = make it conform to the original drawing. Repair = restore function without fully conforming; needs customer approval for Class 3 and usually Class 2. Methods are typically from IPC-7711/7721 (referenced by number only).

Record #		Defect log #	
Assembly / P/N		S/N	
Class		Type (rework / repair / modification)	
Customer approval ref (repair)		Method / procedure ref (e.g., 7711/7721 #)	

Description of condition

Work performed (tools, materials, temperatures, ref des)

Step	By (cert #)	Date
Rework/repair performed		
Re-inspected to class		
Electrical test (if required)		
Rework count on this location (limit per your procedure)		

Role	Name	Signature	Date
Technician			
Inspector			
Customer (if repair)			