



# **Special Technical Meeting on the 11T Dipole QH-Trace to Wire Jointing Proposal to move forward**

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# Statements, 1

- Pin connector concept
  - *“General good quality, both connector and QH copper surfaces are in contact with the solder”* [M.D. Crouvizier, M.D. Jedrychowski, M.S. Meyer]
  - Can meet requirements, but two failure cases
  - Caveat: the execution of the work requires great care
  - The procedure is sensitive, relies too much on workmanship
- Direct connection between the QH-trace and the wire
  - *“General good quality, wires and QH copper surfaces are in contact with the solder”*
  - Meet requirements
  - Used in models (both QXF and 11T) and in full-length QXF, so far w/o a single failure

# Statements, 2

- Flat connector concept
  - *“General good quality, both connector and QH copper surfaces are in contact with the solder”*
  - Can meet requirements, however internal defects have been observed
- Flat connector concept, with Omega
  - Does not meet the requirements
    - *“Majority of the connector is soldered but significant imperfections are noticed”*
    - *“Poor bonding with the presence of large bonding imperfections”*
  - The execution of the work requires also great care

# Proposal

- Based on the results of the work presented today, it is proposed to implement the solution relying on a direct connection between the QH-trace and the wire



***Thank you for your attention!***  
***Questions?***

