



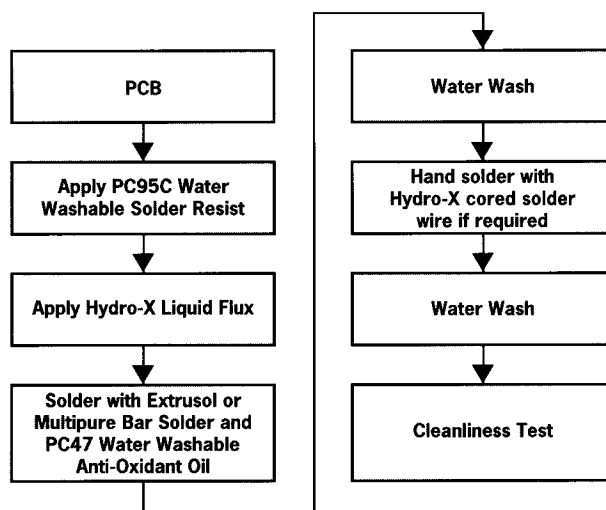
WATER SOLUBLE FLUX CORED SOLDER WIRES

HYDRO-X

Multicore Hydro-X water soluble flux cored solder wires have been devised specifically for use in the electronics industry. They are extremely active fluxes which promote rapid, efficient soldering of even the most difficult to solder parts. Their residues, which must be removed, are very quickly and thoroughly washed off by water without the need for any added neutralisers.

- Fast wetting
- No insoluble residues
- No spitting

Hydro-X flux cored solder wires are designed as components of a complete Multicore aqueous soldering system as follows:



APPLICATION

Multicore Hydro-X water soluble flux cored solder wires are suitable for use in normal hand soldering operations where the components have been assessed as being able to withstand the necessary washing procedures.

Stranded wire should not be used. Strip any insulation back so that flux residues are not trapped during the washing process.

CLEANING

It is essential that the residues from soldering with Multicore Hydro-X cored solder wires be removed as soon as possible after soldering. The residues from Multicore Hydro-X cored solder wires may be readily cleaned in conventional equipment using water. A proprietary cleaning material such as Multicore PC85 may be added to the water to remove additional contaminants which may have been previously on the board or added during handling.

It is important that the cleanliness of boards and components is thoroughly checked after soldering and cleaning. The usual procedure is to continuously check the conductivity of the final rinse water as a measure of ionic contamination. Samples of cleaned boards should be subjected to a laboratory corrosion test, insulation resistance test, or ionic contamination assessment.

HEALTH AND SAFETY

The following is intended for general guidance only. Health and Safety Data Sheets which contain more comprehensive information are available. Multicore Hydro-X water soluble flux cored solder wires are safe to use provided that certain precautions are observed:

Fume Hazards and Precautions: Avoid excessive inhalation of the flux fumes. These are irritating to the throat and respiratory organs. Suitable fume extraction equipment should be used to extract flux fumes away from the breathing zones of operators.

Protection and Hygiene: Lead is harmful if absorbed into the body through the digestive system or skin. Eating, drinking or smoking should not be permitted in the working area. Hands should be washed with soap and warm water after handling solder, especially before eating.

RELATED PRODUCTS

Hydro-X flux cored solder wires are part of the Multicore range of water soluble/water washable materials.

Other products include: Hydro-X Liquid Fluxes and Solder Creams, PC47 Anti-Oxidant Oil and PC95C Temporary Solder Resist.

ALTERNATIVE FLUXES

Multicore solvent soluble fluxes (Types R, RMA, RA and SA) are available as liquid fluxes, flux cored solder wires and solder creams. If cleaning is not specified, the cost of cleaning may be avoided by using the Multicore X32 range of low residue materials (data sheets available).



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