

SCOPE: This document is one of a series, within the QS, giving details of working practices, see QA\ISO9001-2000\QAM-Index.doc
This document describes the policy for the management of the Product Part Numbers and their revision status and Technical Document files names.

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1 GENERAL NUMBERING METHODOLOGY

The Dalman part numbering system takes the form of a six figure number (**ABCDE-F**) where: -

A is the type of assembly, these are as follows: -

- 9 – Any type of case or housing.
- 8 – Looms or cables.
- 7 – A PCB fitted with its relevant components.
- 6 – Spare
- 5 – A fully assembled case complete with wiring.
- 4 – A module, e.g. a completed PCB and associated mechanical components.
- 3 – A complete unit, a case fitted with its PCB(s) and wiring.
- 2 – The unit software.
- 1 – The parent system as a whole.

B,C, D & E make up the family number. This number is used to keep associated sub-assemblies together. Cases, PCB's and Looms specific to a single product will have the same family number.

F is the version number. Any changes or modifications, incorporated in future issues of a product that improve the performance without affecting the functionality will result in the up issue of the version number.

Example

The Dalman COSMOS 4 Station Tray – **308262**

- 3** – A complete unit, consisting of a case (908262), and a PCB(708262)
- 0826** – The COSMOS 4 Station family number
- 2** – Version 2 of that unit. With software this may be an alpha character.

The Product Index is held on the Dalman database. The source of all manufacturing information.

2 HARDWARE

Hardware identifiers are in 3 parts: -

- Product number
- Batch number
- Serial number

To identify a unique piece of hardware it is necessary to quote all 3 parts. It is not sufficient to quote just the serial number.

All hardware will be suitably marked. Where there are a collection of pieces of hardware assembled together, and it is impractical to disassemble them, then the number of the most composite unit will be that used as an

identifier. However, when the greater assembly is made up of plug-in modules then the module identifiers will be used.

For numbering of modified hardware see paragraph 3.

3 REVISION, VERSION AND MODIFICATION IDENTIFICATION

3.1 Revision Numbers.

Revision Numbers are used to show the seniority of Technical Documents and are generally shown on a document, the controlling source is the product Development Record.

Where there are a series of 'sheets' to a document (e.g. schematic diagrams) then all sheets will carry the same Revision Number – if one is up-issued then they are all up-issued – and the Revision Number will indicate the Modification state.

3.2 Version Numbers.

Version Numbers are used to show the seniority of Software and Hardware. The version number is a course reference to the modification state and is used as the last character of the Product Number.

A hardware product which has been subject to developmental modification may have it's Version Number up-issued. e.g. a pcb of version, say, 1 may be subject to Modification 1 and Modification 2; when the next batch is manufactured these modifications will be incorporated into the layout and the Version Number will be up-issued.

3.3 Modification Identification.

Modifications refer only to hardware and are controlled by the Development Record, they are identified by reference to a label on the product. There is only one series of Modifications for a product regardless of Version; i.e. if Mod 1 and Mod 2 are incorporated into Version 2 of a pcb then the next Modification will be Mod 3 – regardless of the fact that it is the first modification to that Version.

See also Revision Numbers above.

END

Document Control

Amendment Record

Item	Description	Authority	Date
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