

Electronics Part Numbering

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Draft of Note ATL-IP-MN-0002 circulated for approval:

- Includes proposal for part numbering relevant to all electronics die in the on-detector electronics.
- Discuss this and either approve or suggest modifications...

Part Numbering Proposal

Proposed scheme is wafer-based, since all chips originate in a probed wafer:

- Part Number = 2021 1 v wwww xx yy. The part number is used specifically for those fields which have special values at the time of manufacture.
- Note: part type (FE, MCC, DORIC, VDC) is determined by entry into separate field as each part is created in database, so it is not included in the part number.
- v is vendor code, not presently defined. This allows wafers with identical numbers from different vendors to be entered.
- wwww is a wafer number. Believe that a 3-digit number would be too small (if everything is high-yield 8" wafers, this might not be true). Different ranges of wafer numbers would correspond to different runs with the same vendor.
- xx and yy are reticle numbers on wafer. They start from 1 in lower left corner, with wafer flat down, x parallel to flat and y perpendicular to flat.
- This scheme seems to address the full range of parts that I can imagine in the on-detector electronics system.

Unless there are objections, we should approve this scheme