Smart Card Production Process

1. How a Smart Card is Made - Part 1: Smart Card Module Production
2. How a Smart Card is Made - Part 2: Card Body Production
3. How a Smart Card is Made - Part 3: Card Personalization
4. How a Smart Card is Made - Part 4: Card Fulfillment

Symbols Key

1  Process continuing to / Process continued from

Or

Database

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Author can be contacted at Antonio.dalbore@embeddedsecuritynews.com

Smart Card Module Production

- Silicon Wafer Manufacturing
- On Wafer Initialization
- Silicon Wafer Dicing
- Die Bonding
- Wire Bonding
- Chip Module Encapsulation
- Tape Inspection
- Electrical Test
- Chip Module Initialization
- Ship to Card Body Production

Microconnectors
Card Body Production

Customer Artwork
  - Pre Press
    - Customer Approval
      - CTP Plate Making
        - Sheet Printing
          - Sheet inspection
          - Sheets Collating
            - Lamination
              - Sheet Striping
                - Card Body Punching
                  - Sim Plug-In Punching
                    - Cavity Milling
                      - Chip Module Implanting
                        - Quality Inspection
                          - Hot Stamping
                            - Carton Boxes Packaging
                              - Store in Secure Vault

1
  - Chip Module Testing
    - Chip Module Pre-Perso
      - Glue Tape Laminating
        - Chip Module Punching

2
  - ID
  - Bank

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Digital Print Card Production

1. Chip Module Testing
   - Chip Module Pre-Perso
   - Glue Tape Laminating
   - Chip Module Punching

2. Store in Secure Vault
   - Carton Boxes Packaging
   - Hot Stamping
   - ID
   - Bank

Customer Artwork

Pre Press

Customer Approval

Digital Sheet Printing

Personalization Database

Sheet Printing

Printed sheet inspection

Sheets Collating

Lamination

Sheet Stripping

Card Body Punching

Sim Plug-In Punching

Cavity Milling

Chip Module Implanting

Quality Inspection

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