Prelaminated contactless inlays for card manufacturing

@RFID offers advanced RFID solutions for card manufacturing worldwide. The Prelaminated contactless inlays are flexible solution suitable for any production or application, usable for direct printing or over-lamination.

The complex multilayer structure that incorporates the contactless coil can be based on PVC, PET or PC substrates with various final thicknesses (from 0.15 to 0.55mm).

The integrated contactless technology is based on a copper (CU) wired antenna following different layouts or tuning frequencies.

The IC Chip can be pre-integrated or specific connection pads can offer the possibility of a later embedding of a contactless/contact module.

Various layouts or configurations are available following customers’ preferences of layouts, thickness, technology. Please send us your requirements!

HF: ISO/IEC 14443: NXP Mifare Series / NTAG Series
@RFID Compatible Series
HF: ISO/IEC 15693: NXP I-Code Series
Dual Frequency Configuration: LF/HF/UHF
Dual Interface Configuration: Contact/Contactless

Chips:

Physical Features:
Material: PVC/PET/PC
Working temperature: -30°C ÷ 70°C
Durability: 3-5 years
Layout: Up to 550x700mm
Multilayer structure: Open or Encapsulated

RFID Features:
Frequency: 125kHz / 13.56MHz / 860-960MHz

Other Features:
Optional Dual Frequency (two antennas + two ICs)
Optional Dual Interface connection pads
Environmental: ROHS compliant

Technical:

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