



# FT-G1204 RFID Inlays

## – NXP Pallet Type

The NXP Pallet Type Inlays are omni-directional RFID inlays optimized for use in pallet tagging applications.



- > EPC Class 1 Gen2 / ISO 18000-6C
- > Exceptional read ranges and omni-directional design
- > World Tag operated at global frequencies 860-960 MHz
- > Available in high-yield, high-capacity rolls for high –volume converting processes
- > NXP UCODE IC, 240-bit EPC number, with option 512-bit on-chip user memory

### RF Features

Operating frequency	Global (860-960 MHz)
Mode of operation	Passive (battery free)

### Electrical Characteristics

Protocol	EPC Class 1 Gen2 / ISO 18000-6C
Memory	240 bits EPC number Option: 512 bits on-chip user memory

### Inlay Material

Antenna	Copper, 6um ± 1um
UHF IC	Silicon, 150um ± 15um
Substrate	PET, 50um ± 5um

### Inlay Roll Format/Finishing

Core length	100.0mm
Core inner diameter	3" (76.2mm)
Core material	Chipboard or Favite approved material
Max roll outer diameter	11.8" (300mm)

### ESD & Inlay Handling

Human body model	1.5KV
Charged device mode	1.5KV

### Dry Inlay Specification

Antenna dimension (CDxMD)	86mm x 86mm
Standard pitch	101.6mm
Web width	98.0mm
Slit edge	6mm
Max units per roll	11,000

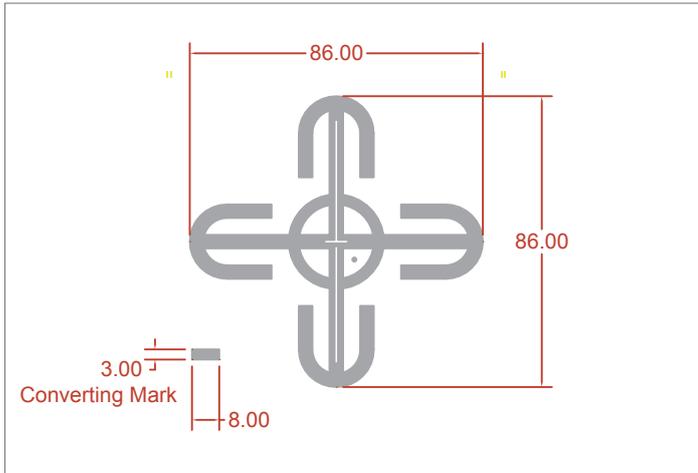
### Wet Inlay Specification

Antenna substrate dimension (CDxMD)	94.0mm x 92.0mm
Standard pitch	101.6mm
Web width	94.0mm
Inlay to liner adhesive	Acrylic Emulsion
Liner material	60um supercalendered glassine
Max units per roll	11,000

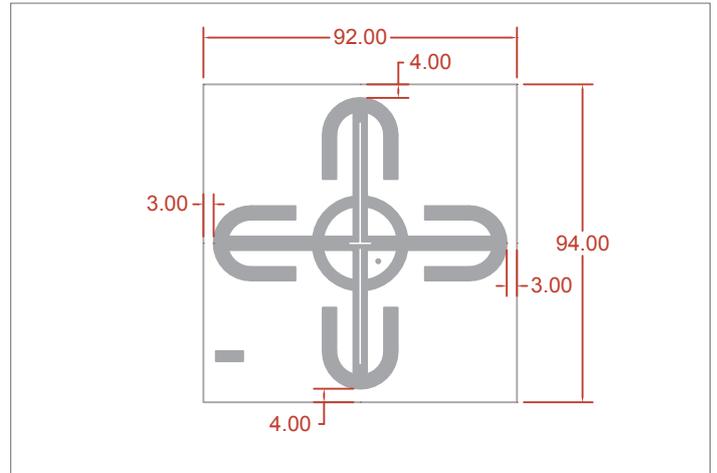
### Environmental Specification

Shelf life	2 Years
Recommended storage	-25°C to +50°C
Condition	20% to 90%RH
Operation temperature	-40°C to +65°C
RoHs	2002/95/EC Compliant

FT-G1204 Inlay General Dimensions

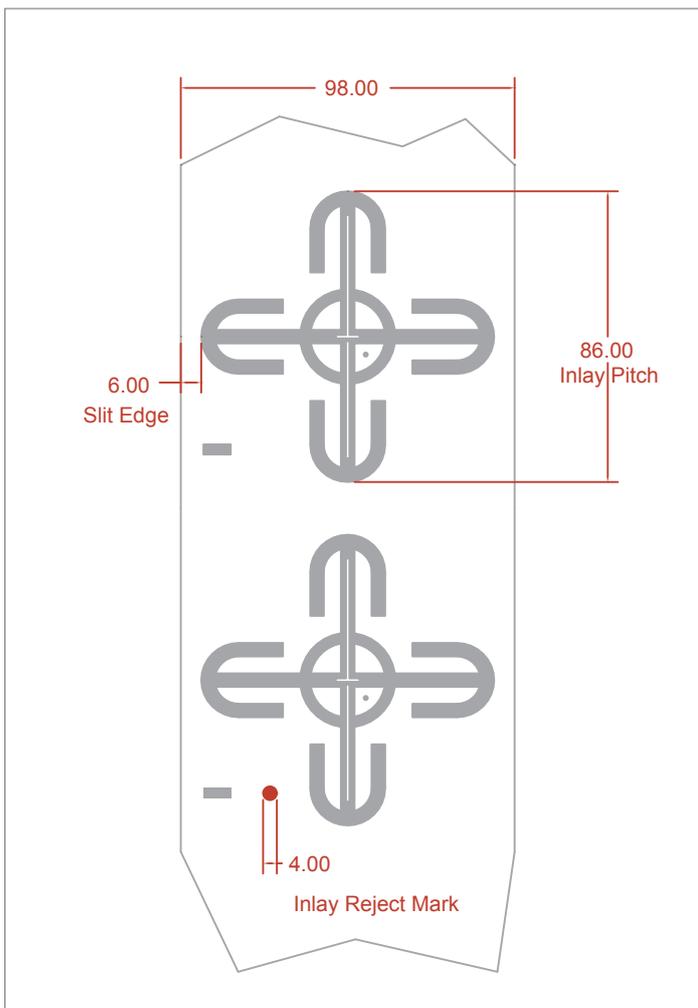


FT-G1204 (Dry Inlay)

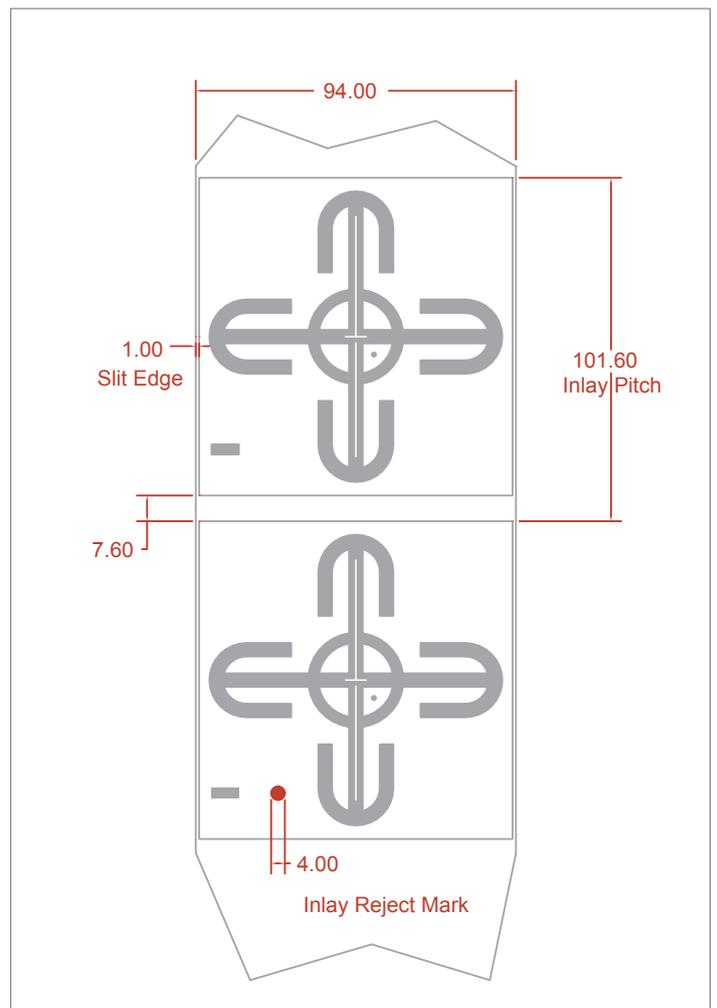


FT-G1204 (Wet Inlay)

FT-G1204 Inlay Roll Dimensions



FT-G1204 (Dry Inlay)



FT-G1204 (Wet Inlay)

All Dimensions in mm

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