


Printed Electronics RFID Solutions

Soligie® RFID Tag

molex®

Soligie® RFID tag communicates data under the toughest conditions, mounts unobtrusively on glass and utilizes a tamper-proof design, making it ideal for applications such as fleet management, vehicle registration and vehicle inventory management

Features and Benefits



Anti-tamper security
Prevents tag removal and reuse

Excellent adhesion to glass
Effective for vehicle tracking

High-performance, UV-resistant acrylic adhesive
Offers superior longevity
Withstands outdoor applications

Durable print, resistant to glass cleaner
Withstands everyday maintenance of vehicles

Strong RF signal – read range of 4 to 5m (12 to 17 feet)
Mitigates risk of communication problems with readers

Four-color process available, accompanying barcode
Customizable printing to show customers' logos on labels

Small footprint: 70.00 by 15.00mm (2.75 by 0.60")
Allows unobtrusive placement on vehicle windows
Does not diminish vehicle aesthetics

Additional data storage: 96-bit EPC memory plus 512-bit user memory
Can manage large amounts of custom data

Industries

Automotive Manufacturing
Automotive Sales/Retail
Government

Applications

Lot Management
Sales and Retail Inventory
Lot Access/Control
Geo Fencing Enhancement
Vehicle Registration
Fleet Management



Lot Access/Control



Fleet Management



Car Wash

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RFID Specifications

PHYSICAL

Dimensions

70.00 to 15.00mm (2.75 by 0.6")

Use Case

On glass (interior mount)

Attachment

High-performance, UV-resistant acrylic adhesive

Weight

1.5 grams

ELECTRICAL/RF

Typical Read Range

3.66 to 5.18m (12 to 17") at 36 dBm ERP,
tag on inside of window

Frequency

902 to 928 MHz

IC Platform

Alien Technology Higgs3

IC Memory

96-bit EPC, 512-bit user memory

ENVIRONMENTAL

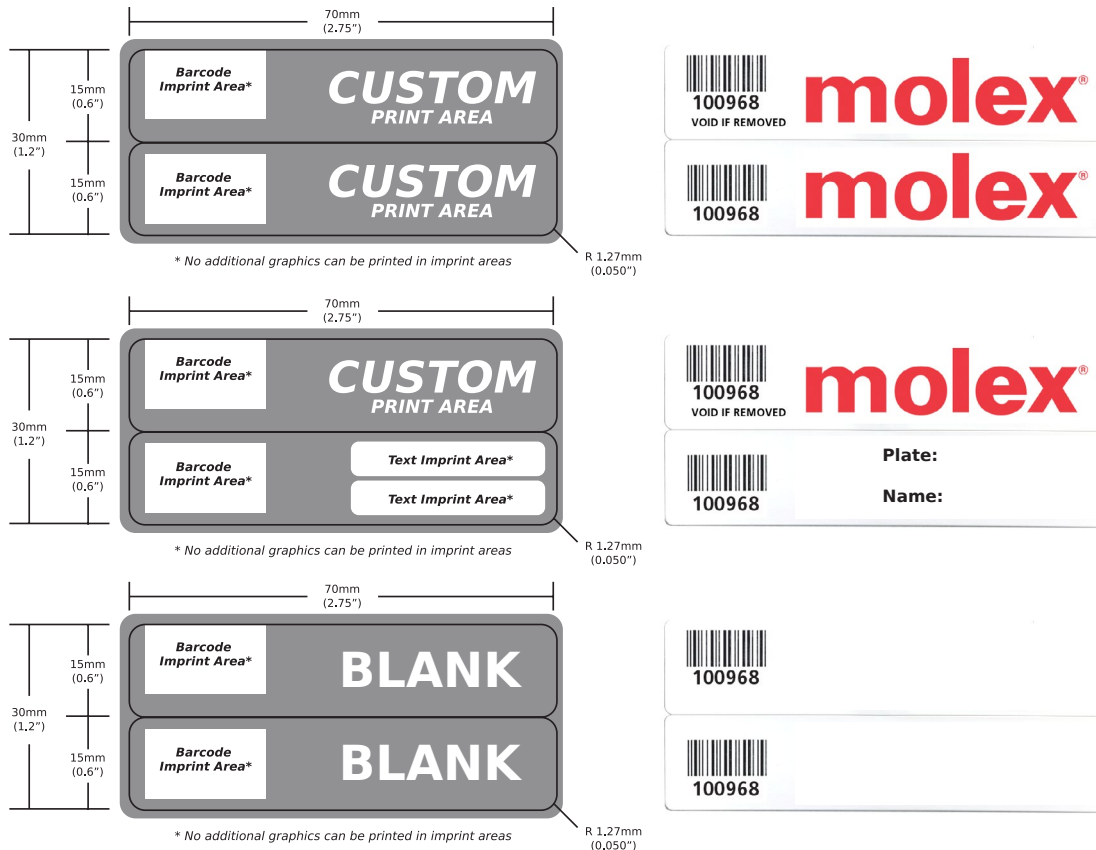
Application Temperature

+10°C (+50°F)

Service Temperature

-40 to +149°C (-40 to +300°F)

Example Configurations



Ordering Information

Series No.	Component
15502-0009	Soligie® Molex RFID Tag
15502-0010	Soligie® Blank RFID Tag

Custom Product	Product
Contact Molex	Soligie® Custom RFID Tag

www.molex.com/link/rfidtag.html