Perfect id
a **Syrma SGS** company
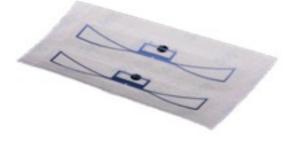
PID – HLT (Headlamp Tag)

The Headlamp Tag (PID-HLT) is high performance radio frequency transponders(RFID) designed to be used in automatic vehicle identification application.
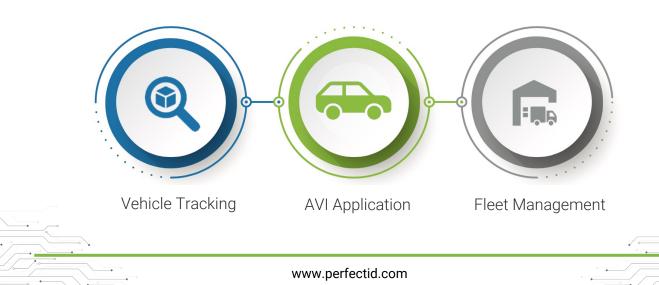
Designed to be mounted on a glass surface, or directly on a motorcycle or vehicle headlamp, each tag contains a non-changeable unique identification number, it has reading and writing capabilities and is passive - powered by utilizing energy from the reader, eliminating the requirement for a battery.

Ordering Information

Part No.	IC Type	Memory
RFL-010101-ETSI/FCC	Impinj Monza 4QT	chip 800-bits

Applications

Vehicle Tracking

AVI Application

Fleet Management

Electrical Specifications

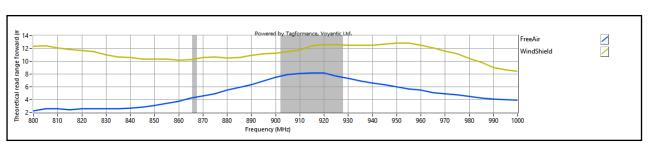| Operational Frequency	902 — 928MHz Americas, 4 W EIRP. 869.4 — 869.56MHz Europa, 0.5 W ERP. 865.6 — 867.6MHz Europa, 2 W ERP
Interface Protocol	ISO/IEC/18000-6C
Chip Type	IMPINJ Monza 4QT
Memory Configuration	EPC Memory -128 bits , User Memory-512 bits
Data Retention	EEPROM data retention of 10 years.
Write Cycle Endurance	100,000 cycles

Products Characteristics

Die Cut Size	100 mm X 17 mm
Final Inspection	100 % Tested
Material	Translucent Polyester
Mounting Methods	Adhesive

Environmental Specifications

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +100°C
ESD Voltage Immunity	+/- 3kV
Sensibility	18dBm in UHF frequency band from 865 to 867 MHZ

Personalization

- Customer specific encoding of EPC
- Customised printing of logo, text, barcode etc

READ RANGE GRAPH

PID HLT- RF performance(Monza 4QT)

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.

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