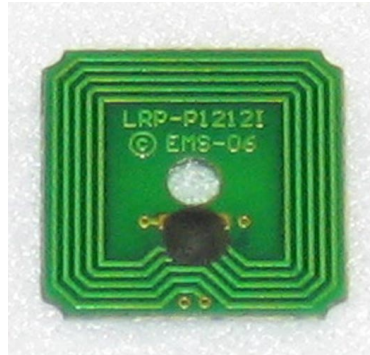# 1 KILOBYTE PASSIVE PCB TAG

LRP-P1212i

FEATURES AND BENEFITS

1 Kilobyte of read/write memory allows storage of critical process details.

Small 12mm PCB tag can be embedded into cassettes, trays, packages, and products.

Conformance to the International ISO15693 (13.56MHz) RFID Standard assures "reader agnostic" compatibility, worldwide.

Reusable memory with 100K+ write cycles, unlimited reads, and a 10 year minimum data retention time for high return on investment.

READ/WRITE RANGE
HF816/818: Up to 10mm
HF-0405-ANT-06: Up to 15mm
C0405: Up to 33mm
C1007: Up to 40mm.

The Escort Memory Systems LRP family of RFID tags provides outstanding auto-ID solutions for demanding industrial environments. The "i" tag is based on a one kilobyte memory chip and incorporates EMS' unique design and manufacturing technology. The tag requires no batteries.

The versatile printed circuit board form supports embedding into many different products or carriers. In particular, the RF circuit of the tag has been tuned for optimal peformance when mounted in ESD plastic carriers.

LRP-P1212i is an excellent choice for hard disk drive manufacturing automation, pharmaceutical sorting and packaging, automated control of conveyor systems, and work-in-process applications where absolute data reliability is a requirement.

25+ years of experience with RFID systems for manufacturing are behind every EMS system, supported by Datalogic around the world.

SPECIFICATIONS

Memory:
1000 Bytes User Memory.

Dimensions:
12 x 12 x 1.5mm
[0.5 x 0.5 x 0.06 inch].

Humidity:
100% non-condensing.

Operating Temperature:
-20°C to 85°C [4° to 185° F].

Storage Temperature:
-40° to 85°C [-40° to 185° F].

Protection Class:
Not rated.

Compatible
Readers/controllers:
C-Series
HF-CNTL Series
HF81x Series
LRP Series
ISO15693 readers.

www.ems-rfid.com

datasheet revision 2008-01

ESCORT MEMORY SYSTEMS BY
DATALOGIC™