

Specification:

Supported standard:	ISO/IEC 1800 Part 3 Mode 2
Operating frequency:	13.56 MHz
Command data rate:	423.75 kbit/s
Reply rate:	105.9 kbit/s per channel or 848 kbit/s on 8 channels
Identification rate:	Up to 1,200 per second (reader dependent)
Memory (user programmable):	8 kbit (508 words) EEPROM
Reading distance:	Reader dependent
Inlet base material:	PET (polyester)
Antenna coil material:	Copper (Cu) or Aluminum (Al)
Label face material:	Clear PP/ PE/PET (standard delivery) or paper (on request)
Thickness:	Inlets max 150 µm (210 µm IC area); Plastic Labels max 240 µm with a liner (max 370 µm IC area); Paper Labels max 340 µm with a liner (470 µm IC area)
Typical programming cycles (25oC):	> 100,000
Data retention time:	> 10 years
Operation ambient temperature:	- 20°C to + 70°C
Storage temperature:	+15°C to +25°C (40-60% RH), max 2 years
Thermal cycle resistance:	200 cycles, -40°C/+80°C
Standard delivery:	Inlets and clear-face adhesive labels on rolls
Packaging:	Single-row tape on a cardboard reel/core, max 300 mm diameter roll. Reel core inner diameter: 76.2 mm (3").
Winding on a reel/core:	Face out

PJM ItemTag®

Integrated circuit (IC): 66V10 IT

ItemTag Inlets

Nº	Magellan Sales Code	Description	Delivery Form
1	IT1-I4576-05T	ItemTag Inlet 45x76 mm, 5 turns	Al, roll 300 mm, 48 mm width, 5000 pcs, pitch 82 mm
2	IT1-I4245-XXT (in development)	ItemTag Inlet 42x45 mm, 5 turns	Al, roll 300 mm, 48 mm width, xxx pcs, pitch xx mm
3	IT1-I40D-XXT (in development)	ItemTag Inlet, 40 mm dia., x turns	Al, roll 300 mm, 48 mm width, xxx pcs, pitch xx mm
4	IT1-I1520-11T	ItemTag Inlet 15x20 mm, 11 turns	Cu, roll 300 mm, 35 mm width, xxx pcs, pitch xx mm



ItemTag transparent labels

Nº	Magellan Sales Code	Description	Delivery Form
1	IT1-T5080-05T	ItemTag Label 50x80 mm, 5 turns, transparent adhesive die-cut	Al, roll 300 mm, 48 mm width, 2500 pcs, pitch 82 mm



PJM StackTag® Integrated circuit (IC): 66V10 ST

StackTag inlets

Nº	Magellan Sales Code	Description	Delivery Form
1	ST1-I4576-05T	StackTag Inlet 45X76 mm, 5 turns	Al, roll 300 mm, 48 mm width, 5000 pcs, pitch 82 mm
2	ST1-I4576-2T5	StackTag Inlet 45X76 mm, 2.5 turns	Al, roll 300 mm, 48 mm width, 5000 pcs, pitch 82 mm
3	ST1-I2656-09T (on request)	StackTag inlet, 26X56 mm, 9 turns	Cu, roll 300 mm, 80 mm width, 8000 pcs, pitch 40 mm
4	ST1-I1648-05T	StackTag Inlet, 16x48 mm, 5 turns	Al, roll 300 mm, 52 mm width, 5000 pcs, pitch 25 mm
5	ST1-I1628-10T (on request)	StackTag Inlet, 16X28 mm, 10 turns	Cu, roll 300 mm, 40 mm width, 8000 pcs, pitch 40 mm
6	ST1-I1520-11T (in development)	StackTag Inlet, 15X20 mm, 11 turns	Cu, roll xxx mm, xx mm width, xxx pcs
7	ST1-I20D-XXT (in development)	StackTag Inlet, 20 mm dia., x turns	roll xxx mm, xx mm width, xxx pcs, pitch xx mm
8	ST1-I25D-08T	StackTag Inlet, 25 mm dia., 8 turns	Al, roll 300 mm, 48 mm width, 9000 pcs, pitch 32 mm
9	ST1-P25D-08T	StackTag Inlet, 25 mm dia., protective layer	Al, roll 250 mm, 48 mm width, 3500 pcs, pitch 32 mm
10	ST1-P4076-03T	StackTag Inlet, 37x73 mm, protective layer, 3 turns, non adhesive, die-cut size 40x76	Cu, roll, xxx pcs



StackTag transparent labels

Nº	Magellan Sales Codes	Description	Delivery Form
1	ST1-T5080-05T	StackTag Label, 50x80 mm, 5 turns, transparent adhesive die-cut	Al, roll 250 mm, 54 mm width, 2500 pcs, pitch 82 mm
2	ST1-T4982-05T	StackTag Label, 49x82 mm, 5 turns, transparent adhesive die-cut	Cu, roll 300 mm, 90 mm width, 4000 pcs, pitch 60 mm



Product List

Inlets and Labels

May 2007



3	ST1-T5080-2T5	StackTag Label, 50x80mm, 2.5 turns, transparent adhesive die-cut	Al, roll 250 mm, 54 mm width, 2500 pcs, pitch 82 mm
4	ST1-T3060-09T	StackTag Label, 30x60mm, 9 turns, transparent adhesive die-cut	Cu, roll 260 mm, 80 mm width, 4000 pcs, pitch 40 mm
5	ST1-T1951-05T	StackTag Label, 19x51 mm, 5 turns, transparent adhesive die-cut	Al, roll 300 mm, 56 mm width, 2500 pcs, pitch 25 mm
6	ST1-T2032-10T	StackTag Label, 20x32mm, 10 turns, transparent adhesive die-cut	Cu, roll 260 mm, 40 mm width, 4000 pcs, pitch 40 mm
7	ST1-T37D-08T	StackTag Label, 37 mm dia., 8 turns, transparent adhesive die-cut	Cu, roll 280 mm, 40 mm width, 4500 pcs, pitch 45 mm
8	ST1-T27D-08T	StackTag Label, 27 mm dia., 8 turns, transparent adhesive die-cut	Cu, roll 280 mm, 40 mm width, 5000 pcs, pitch 36 mm
9	ST1-T24D-XXT (on request)	StackTag Label, 24 mm dia., x turns, transparent adhesive die-cut	Cu, roll xxx mm, xx mm width, 6000 pcs, pitch xx mm



StackTag Paper Labels

Nº	Magellan Sales Codes	Description	Delivery Form
1	ST1-L4982-05T	StackTag Label, 49x82 mm, 5 turns, adhesive die-cut with paper face material	Cu, roll 220 mm, 90 mm width, 2000 pcs, pitch 60 mm
2	ST1-L4076-03T	StackTag Label, 40x76 mm, 3 turns, adhesive die-cut with paper face material	Cu, roll 200 mm, 81 mm width, 2000 pcs, pitch 60 mm
3	St1-L1824-11T	StackTag Label, 18x24 mm, 11 turns, adhesive die-cut with paper face material	Cu, roll xx mm, xx mm width, xxx pcs, pitch xx mm



Magellan reserves the rights to change its product design, specifications and product range without notice at any time.

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