

Digital Labeling Technologies that Optimize Retail Performance



smartrac
an Avery Dennison company



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Applications



Item-level retail: Apparel, accessories, cosmetics, jewelry, food and general retail



Healthcare: Medical and pharmaceutical



Transportation: Automotive and aviation



Industrial logistics and manufacturing



Brand protection and product authentication



Supply chain, inventory and logistics














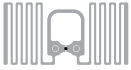











Contactless cards and tickets




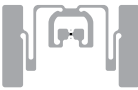
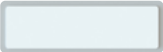












Library, media, documents and files


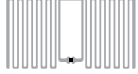





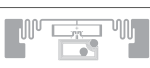











UHF RFID Inlays

Product Name	Design (not to scale)	Antenna Dimensions	Chip	Industry Segments
AD-160		60 x 4 mm 2.36 x 0.16 in	NXP UCODE 7	Beauty and Personal Care Healthcare
AD-163			NXP UCODE 8	
AD-172		22 x 12.5 mm 0.9 x 0.5 in	NXP UCODE 7	Apparel Healthcare Beauty and Personal Care
AD-173		27 x 14 mm 1.06 x 0.55 in	NXP UCODE 8	Apparel Healthcare
AD-180		Ø 26 mm 1.02 in	NXP UCODE 7	Apparel Beauty and Personal Care
AD-190		22 x 12.5 mm 0.86 x 0.49 in	NXP UCODE 8	Apparel Healthcare Beauty and Personal Care
AD-226		95 x 8.15 mm 3.74 x 0.32 in	NXP G2iM	Apparel Logistics Industrial Applications Automotive
AD-229			Impinj Monza R6 / R6-P	
AD-236		70 x 14.5 mm 2.76 x 0.57 in	NXP UCODE 7	Apparel Industrial Applications
AD-237			Impinj Monza R6 / R6-P	
AD-238			NXP UCODE 8	
AD-251 ETSI		95 x 14.5 mm 3.74 x 0.57 in	Impinj Monza R6-P	Food
AD-251 FCC		95 x 13 mm 3.74 x 0.52 in	Impinj Monza R6-P	
AD-301		30 x 15 mm 1.20 x 0.60 in	Impinj Monza R6-P	Apparel Healthcare
AD-310		41.4 x 29 mm 1.60 x 1.10 in	NXP UCODE 8	Apparel Logistics
AD-320 ETSI		41 x 16 mm 1.63 x 0.63 in	NXP UCODE 7	Apparel Logistics Healthcare
AD-320 FCC			NXP UCODE 7	
AD-321 ETSI			Impinj Monza R6	
AD-321 FCC			Impinj Monza R6-P	
AD-324 ETSI			NXP UCODE 8	
AD-324 FCC			NXP UCODE 8	
AD-332		70 x 14.5 mm 2.76 x 0.57 in	NXP UCODE 8	Logistics Apparel
AD-350		76 x 6 mm 2.99 x 0.24 in	NXP UCODE 8	Apparel Logistics
























UHF RFID Inlays

Product Name	Design (not to scale)	Antenna Dimensions	Chip	Industry Segments
AD-370 NEL		19 x 53 mm 0.75 x 2.09 in	NXP UCODE 7	Apparel Logistics
AD-370		53 x 19 mm 2.09 x 0.75 in	NXP UCODE 7	
AD-372			NXP UCODE 8	
AD-373			NXP UCODE 7XM	Aviation Automotive Asset Tracking
AD-380		50 x 30 mm 1.97 x 1.18 in	NXP G2iM	Apparel Logistics
AD-383			NXP UCODE 7	Automotive
AD-384			Impinj Monza R6 / R6-P	
AD-385			NXP UCODE 8	
AD-454		69.85 x 19.05 mm 2.75 x 0.75 in	Impinj Monza R6-P	Industrial Applications
AD-456		64 x 6 mm 2.52 x 0.24 in	NXP UCODE 8	Beauty and Personal Care Food
AD-553		38 x 76 mm 1.50 x 2.99 in	NXP UCODE 8	Aviation
AD-554			Impinj Monza R6-B	
AD-560		38 x 70 mm 1.50 x 2.76 in	Impinj Monza 4QT	
AD-661		90 x 19 mm 3.54 x 0.75 in	Impinj Monza R6 / R6-P	Automotive Industrial Applications
AD-662			NXP UCODE DNA	Sports and Events
AD-663			NXP UCODE 7XM	
AD-665		90 x 19 mm 3.54 x 0.75 in	NXP UCODE 8	
AD-680		50 x 50 mm 1.97 x 1.97 in	Impinj Monza R6 / R6-P	Logistics
AD-681			Impinj Monza 4D / 4QT / 4i	
AD-806		16 x 16 mm 0.63 x 0.63 in	NXP UCODE 7	Apparel Healthcare
AD-810		Ø 16 mm 0.63 in	Impinj Monza R6	Healthcare
AD-850		Ø 10 mm 0.4 in	Impinj Monza 4QT	Healthcare Automotive




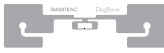
UHF RFID Inlays

Product Name	Design (not to scale)	Antenna Dimensions	Chip	Industry Segments
Accessory		30 x 15 mm 1.20 x 0.60 in	Impinj Monza R6 / R6-P	Apparel Healthcare
Bling		22 x 12 mm 0.9 x 0.5 in	Impinj Monza R6 / R6-P	Apparel Healthcare Beauty and Personal Care
Belt		70 x 14 mm 2.756 x 0.551 in	NXP UCODE G2iL	Apparel Industrial Applications
		70 x 10 mm 2.76 x 0.39 in	NXP UCODE 7 NXP UCODE 7XM	
		70 x 14 mm 2.75 x 0.55 in	NXP UCODE 8	
		70 x 14 mm 2.75 x 0.55 in	Impinj Monza 5	
		70 x 10 mm 2.76 x 0.39 in	Impinj Monza R6 / R6-P	
Belt DF		70 x 20 mm 2.76 x 0.79 in	EM4425	
Dogbone®		88 x 24 mm 3.47 x 0.94 in	NXP UCODE G2iL	Automotive Industrial Applications Sports and Events
		94 x 24 mm 3.70 x 0.90 in	NXP UCODE 7 NXP UCODE 7XM	
		94 x 24 mm 3.70 x 0.90 in	NXP UCODE 8	
		85.9 x 24 mm 3.382 x 0.94 in	Impinj Monza 4D	
		94 x 24 mm 3.70 x 0.94 in	Impinj Monza R6 / R6-P	
Eagle®		44 x 28 mm 1.70 x 1.10 in	NXP UCODE 8	Apparel Logistics
Fly		12 x 12 mm 0.5 x 0.5 in	NXP UCODE 7XM	Automotive
Frog 3D®		40 x 40 mm 1.58 x 1.58 in	Impinj Monza 4i	Logistics
		50 x 50 mm 1.97 x 1.97 in	Impinj Monza 4D	
		68 x 68 mm 2.68 x 2.68 in		
Grille		22 x 22 mm 0.90 x 0.90 in	NXP UCODE 7XM	Automotive Healthcare


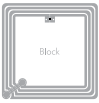



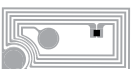
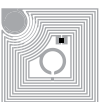
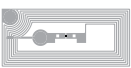



UHF RFID Inlays

Product Name	Design (not to scale)	Antenna Dimensions	Chip	Industry Segments
Miniweb		40 x 18 mm 1.575 x 0.709 in	NXP UCODE G2iL	Apparel Logistics Healthcare
		46 x 16 mm 1.80 x 0.60 in	NXP UCODE 7	
		42 x 16 mm 1.70 x 0.60 in	NXP UCODE 8 ETSI	
			NXP UCODE 8 FCC	
			Impinj Monza R6 / R6-P	
Midas Flagtag®		31.41 x 18 mm 1.24 x 0.71 in	Impinj Monza R6 / R6-P	Automotive Logistics Industrial Applications Aviation Beauty and Personal Care
		47 x 18 mm 1.85 x 0.71 in	NXP UCODE 7XM	
On-Metal		95 x 40 mm 3.74 x 1.6 in	Impinj Monza 4QT	Industrial Applications
Shortdipole		93 x 11 mm 3.66 x 0.43 in	NXP UCODE 7	Apparel Logistics Industrial Applications
		93 x 11.05 mm 3.661 x 0.435 in	NXP UCODE G2iL	
		93 x 11 mm 3.661 x 0.433 in	Impinj Monza 4D	
		92.8 x 11 mm 3.654 x 0.433 in	Impinj Monza 5	
		92.75 x 11 mm 3.65 x 0.43 in	Impinj Monza R6 / R6-P	
Skyline		112 mm x 23 mm 4.41 x 0.91 in	NXP UCODE 7XM	Automotive Industrial Applications
Trap		8 x 22 mm 0.32 x 0.87 in	Impinj Monza 4E / 4D / 4QT	Healthcare Apparel
Trap NF		8 x 22 mm 0.32 x 0.87 in	Impinj Monza 5	
Viper		110 x 6 mm 4.331 x 0.236 in	Impinj Monza 4D	Industrial Applications Sports and Events
Web		30 x 49.4 mm 1.181 x 1.945 in	NXP UCODE G2iL	Apparel Logistics
		50 x 30 mm 1.97 x 1.18 in	NXP UCODE 7	
			NXP UCODE 8	
		49.4 x 30 mm 1.93 x 1.18 in	EM 4423	
		50 x 30 mm 1.97 x 1.18 in	Impinj Monza R6 / R6-P	
Web Green		50 x 30 mm 1.97 x 1.18 in	Impinj Monza R6 / R6-P	Apparel Logistics
Wings™		30 x 72 mm 1.18 x 2.84 in	NXP UCODE 8	Aviation



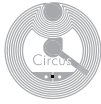
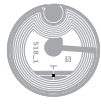
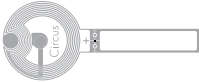
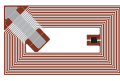

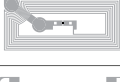
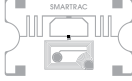
UHF RFID Sensor Inlays

Product Name	Design (not to scale)	Antenna Dimensions	Chip	Industry Segments
Sensor Dogbone®		89 x 24 mm 3.50 x 0.90 in	Axzon Magnus S2	Industrial Applications
Sensor Patch		102 x 8.62 mm 4.02 x 0.34 in 97 x 8.62 mm 3.82 x 0.34 in		Healthcare Industrial Applications
Sensor Tadpole		18 x 81.15 mm 0.71 x 3.19 in 18 x 80.87 mm 0.71 x 3.18 in		Automotive Industrial Applications
Temperature Sensor Dogbone®		89 x 24 mm 3.50 x 0.90 in	Axzon Magnus S3	Industrial Applications Healthcare Food


HF Inlays

Product Name	Design (not to scale)	Antenna Dimensions	Chip	Industry Segments
Band		23 x 70 mm 0.91 x 2.76 in	NXP ICODE ILT-M	Media and Document Management
Block		45 x 45 mm 1.77 x 1.77 in 47 x 47 mm 1.85 x 1.85 in		Media and Document Management Industrial Applications
Block Lite		47 x 47 mm 1.85 x 1.85 in 50 x 50 mm 1.97 x 1.97 in	NXP ICODE SLIX NXP ICODE SLIX2	Media and Document Management Industrial Applications
Bullseye™		Ø 33 mm 1.30 in	NXP ICODE SLIX NXP ICODE SLIX2	Media and Document Management Industrial Applications
Circus™		Ø 18 mm 0.71 in	NXP ICODE SLIX NXP ICODE SLIX 2	Industrial Applications
Microtrack		20 x 10 mm 0.79 x 0.39 in	NXP ICODE SLIX HC Infineon my-d vicinity 2k	Industrial Applications
Miniblock		14.5 x 14.5 mm 0.57 x 0.57 in	NXP ICODE SLIX NXP ICODE SLIX 2	
Minitrack		14 x 31 mm 0.55 x 1.22 in		
Racetrack		45 x 76 mm 1.772 x 2.992 in		Media and Document Management Industrial Applications
Stingray		105 mm 4.134 in		Media and Document Management Industrial Applications
Web DF		49.4 x 30 mm 1.93 x 1.18 in	EM 4423	Apparel Logistics

NFC Inlays

Product Name	Design (not to scale)	Antenna Dimensions	Chip	Industry Segments
Bullseye™ NFC		35 mm 1.378 in	NXP NTAG216 NXP NTAG213	Electronics and Gaming Apparel Beauty and Personal Care
			Sony FeliCa Lite-S	
Circus™ NFC		Ø 20 mm 0.79 in	NXP NTAG210 Micro NXP NTAG213 NXP NTAG216	Electronics and Gaming Apparel
Circus™ Dura			NXP NTAG213	Apparel
Circus™ Flex				Electronics and Gaming Apparel
Circus™ Pro			Smartrac OTP	Electronics and Gaming NFC
Circus™ Tamper Loop Pro		20 x 50 mm 0.79 x 2.0 in	Silicon Craft SIC43NT	Beauty and Personal Care Food Healthcare
Circus™ Tamper Loop			NXP NTAG213 TT	
Midas NFC		10 x 17 mm 0.39 x 0.67 in	NXP NTAG213	Electronics and Gaming Apparel
Midas+ NFC		11.5 x 19 mm 0.45 x 0.75 in	NXP NTAG213 NXP NTAG210 Micro	
Minitrack NFC		14 x 31 mm 0.55 x 1.22 in	NXP NTAG213	
Web DF		49.4 x 30 mm 1.93 x 1.18 in	EM 4423	Apparel Logistics

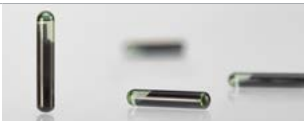

UHF RFID Hard Tags

Product Name	Design (not to scale)	Hard Tag Dimensions	Chip	Industry Segments
Eartrace® Male Flag		60 x 76 mm 2.36 x 2.99 in	Impinj Monza R6-P	Animal Identification
Maxdura® Bond		29 x 58 mm 1.14 x 2.28 in	Impinj Monza 4QT	Industrial Applications Logistics Automotive
Maxdura® Brick		39 x 13 mm 1.54 x 0.51 in	Alien Higgs 3	Industrial Applications Logistics Automotive
Maxdura® Case		51 x 51 mm 2.01 x 2.01 in	Alien Higgs 3 NXP ICODE SLIX	
Maxdura® Ceramic		5 x 5 mm 0.20 x 0.20 in (±0.5 mm) many sizes available	Alien Higgs 3	Industrial Applications Logistics Automotive
Maxdura® Doughnut		Ø 34 mm 1.34 in		Industrial Applications Logistics Automotive
Maxdura® Flex		124 x 30 mm 4.88 x 1.18 in		Industrial Applications Logistics Automotive
Maxdura® Keg		53 x 26 mm 2.09 x 1.02 in	Impinj Monza R6-P	Food Logistics Industrial Applications
Maxdura® Keg Dual		53 x 43 mm 2.09 x 1.69 in	Impinj Monza R6-P NXP ICODE SLIX2	
Maxdura® Keg Embedded		10 x 60 mm 0.39 x 2.36 in	Impinj Monza R6-P	
Maxdura® Long Range		150 x 25 mm 5.91 x 0.98 in	Alien Higgs 3 Impinj Monza 4E	Industrial Applications Logistics Automotive
Maxdura® Outdoor		90 x 34 mm 3.54 x 1.34 in	Alien Higgs 3	
Maxdura® Stripe		120 x 17 mm 4.72 x 0.67 in		Industrial Applications Logistics Automotive
Maxdura® Turtle		28 x 28 mm 1.10 x 1.10 in	NXP UCODE 7XM	Industrial Applications Logistics Automotive

HF Hard Tags

Product Name	Design (not to scale)	Hard Tag Dimensions	Chip	Industry Segments
Maxdura® Case		51 x 51 mm 2.01 x 2.01 in	Alien Higgs 3 NXP ICODE SLIX	Industrial Applications Logistics Automotive
Maxdura® Disc		Ø 20 mm 0.78 in Ø 30 mm 1.18 in Ø 50 mm 1.97 in	ATMEL ATA5577 Fujitsu FRAM 2k rev.C NXP ICODE SLIX NXP ICODE SLIX 2	Industrial Applications Healthcare Logistics Automotive
Maxdura® Laundry		Ø 16 mm 0.63 in	EM 4033 DFN	Industrial Applications Logistics, Apparel
Maxdura® Mini		Ø 6 mm 0.24 in	NXP ICODE SLIX	Industrial Applications Logistics Automotive

NFC Hard Tags

Product Name	Design (not to scale)	Hard Tag Dimensions	Chip	Industry Segments
Glass Tag NFC		Ø 2.12 x 12 mm 0.08 x 0.47 in	NXP ICODE SLIX 2 NXP ICODE SLIX-L NXP NTAG216	Industrial Applications Healthcare Sports and Events
Maxdura® Keg Dual		53 x 43 mm 2.09 x 1.69 in	Impinj Monza R6-P NXP ICODE SLIX2	Food Logistics Industrial Applications

LF Hard Tags

Product Name	Design (not to scale)	Hard Tag Dimensions	Chip	Industry Segments																		
Glass Tag AES		Ø 3.15 x 13.30 mm / 0.12 x 0.52 in	ASIC	Automotive Industrial Applications Immobilizer Systems																		
Eartrace® Air Coil		<table border="0"> <tr> <td>Max. Inner Diameter</td> <td>Max. Outer Diameter</td> </tr> <tr> <td>Ø 24.1 mm / 0.95 in</td> <td>Ø 20 mm / 0.79 in</td> </tr> <tr> <td>Ø 20 mm / 0.79 in</td> <td>Ø 15 mm / 0.59 in</td> </tr> <tr> <td>Ø 23 mm / 0.91 in</td> <td>Ø 19.5 mm / 0.77 in</td> </tr> <tr> <td>Ø 26 mm / 1.02 in</td> <td>Ø 17.1 mm / 0.67 in</td> </tr> <tr> <td>Ø 27 mm / 1.09 in</td> <td>Ø 23.8 mm 0.94 in</td> </tr> <tr> <td>Ø 20.8 mm / 0.81 in</td> <td>Ø 15 mm / 0.59 in</td> </tr> <tr> <td>Ø 25.4 mm / 1 in</td> <td>Ø 19.9 mm / 0.78 in</td> </tr> <tr> <td>Ø 27.8 mm / 1.09 in</td> <td>Ø 23.8 mm / 0.94 in</td> </tr> </table>	Max. Inner Diameter	Max. Outer Diameter	Ø 24.1 mm / 0.95 in	Ø 20 mm / 0.79 in	Ø 20 mm / 0.79 in	Ø 15 mm / 0.59 in	Ø 23 mm / 0.91 in	Ø 19.5 mm / 0.77 in	Ø 26 mm / 1.02 in	Ø 17.1 mm / 0.67 in	Ø 27 mm / 1.09 in	Ø 23.8 mm 0.94 in	Ø 20.8 mm / 0.81 in	Ø 15 mm / 0.59 in	Ø 25.4 mm / 1 in	Ø 19.9 mm / 0.78 in	Ø 27.8 mm / 1.09 in	Ø 23.8 mm / 0.94 in	EM 4305 SIC279	Animal Identification
Max. Inner Diameter	Max. Outer Diameter																					
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Ø 27.8 mm / 1.09 in	Ø 23.8 mm / 0.94 in																					
Glass Tag Animal ID		<table border="0"> <tr> <td>Ø 1.25 x 8.30 mm / 0.05 x 0.33 in</td> </tr> <tr> <td>Ø 1.41 x 8.30 mm / 0.06 x 0.33 in</td> </tr> <tr> <td>Ø 2.12 x 12 mm / 0.08 x 0.47 in</td> </tr> <tr> <td>Ø 3.85 x 23 mm / 0.15 x 0.91 in</td> </tr> <tr> <td>Ø 3.85 x 32 mm / 0.15 x 1.26 in</td> </tr> </table>	Ø 1.25 x 8.30 mm / 0.05 x 0.33 in	Ø 1.41 x 8.30 mm / 0.06 x 0.33 in	Ø 2.12 x 12 mm / 0.08 x 0.47 in	Ø 3.85 x 23 mm / 0.15 x 0.91 in	Ø 3.85 x 32 mm / 0.15 x 1.26 in	EM 4305 SIC279 Other IC's on request	Animal Identification													
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Glass Tag Industry		<table border="0"> <tr> <td>Ø 2.12 x 12 mm / 0.08 x 0.47 in</td> </tr> <tr> <td>Ø 3.15 x 13.30 mm / 0.12 x 0.52 in</td> </tr> <tr> <td>Ø 3.85 x 32 mm / 0.15 x 1.26 in</td> </tr> </table>	Ø 2.12 x 12 mm / 0.08 x 0.47 in	Ø 3.15 x 13.30 mm / 0.12 x 0.52 in	Ø 3.85 x 32 mm / 0.15 x 1.26 in	NXP HITAGS 256 NXP HITAGS 2048 Unique	Industrial Applications Logistics															
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Intrace® Cannula		<table border="0"> <tr> <td>Ø 1.41 x 8.30 mm / 0.06 x 0.33 in</td> </tr> <tr> <td>Ø 1.41 x 10 mm / 0.06 x 0.39 in</td> </tr> <tr> <td>Ø 2.12 x 12 mm / 0.08 x 0.47 in</td> </tr> </table>	Ø 1.41 x 8.30 mm / 0.06 x 0.33 in	Ø 1.41 x 10 mm / 0.06 x 0.39 in	Ø 2.12 x 12 mm / 0.08 x 0.47 in	EM 4305	Animal Identification															
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Intrace® Syringe		<table border="0"> <tr> <td>Ø 1.25 x 8.30 mm / 0.05 x 0.33 in</td> </tr> <tr> <td>Ø 1.41 x 8.30 mm / 0.06 x 0.33 in</td> </tr> <tr> <td>Ø 1.41 x 10 mm / 0.06 x 0.39 in</td> </tr> <tr> <td>Ø 2.12 x 12 mm / 0.08 x 0.47 in</td> </tr> </table>	Ø 1.25 x 8.30 mm / 0.05 x 0.33 in	Ø 1.41 x 8.30 mm / 0.06 x 0.33 in	Ø 1.41 x 10 mm / 0.06 x 0.39 in	Ø 2.12 x 12 mm / 0.08 x 0.47 in	EM 4305															
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Ø 2.12 x 12 mm / 0.08 x 0.47 in																						
Glass Tag Tagcoder Lite II		Ø 3.15 x 13.30 mm / 0.12 x 0.52 in	ASIC	Automotive Industrial Applications																		
Tagmicro-Tx3D		5 x 5 mm / 0.20 x 0.20 in	ASIC 16k	Automotive																		
Tagmicro-TxFN			ASIC 4k ASIC 8k	Automotive																		
Tagreader IC		9.93 x 5.99 mm / 0.39 x 0.23 in	ASIC	Automotive																		
Glass Tag Unique Automotive		Ø 3.15 x 13.30 mm / 0.12 x 0.52 in	EM 4102	Automotive Industrial Applications																		

LF Reader

Product Name	Design (not to scale)	Hard Tag Dimensions	Industry Segments
Intrace® Handheld Reader RH5	 A white, handheld, oval-shaped device with a small screen and a few buttons. The brand name 'Intrace' is visible on the top.	155 x 82 mm / 6.10 x 3.23 in	Animal Identification
Eartrace® Handheld Reader RH7	 A long, thin, black handheld device with a red handle and a small screen. The brand name 'Eartrace' is visible on the handle. A small, gold-colored tag is shown next to it.	660 x 65 mm / 25.98 x 2.56 in	

UHF IC Memory

	Name	EPC Memory	User Memory	TID Prefix	TID Memory
M4D	Impinj Monza 4D	128-bit	32-bit	E280 1100	96 bits of serialized TID with 48-bit serial number
M4i	Impinj Monza 4i	256-bit	480-bit	E280 1114	96 bits of serialized TID with 48-bit serial number
M4QT	Impinj Monza 4QT	128-bit	512-bit	E280 1105	96 bits of serialized TID with 48-bit serial number
M5	Impinj Monza 5	128-bit	32-bit	E280 1102	96 bits of serialized TID with 48-bit serial number
R6	Impinj Monza R6	96-bit	-	E280 1160	96 bits of serialized TID with 48-bit serial number
R6-B	Impinj Monza R6-B	96-bit	-	E280 1171	96 bits of serialized TID with 48-bit serial number
R6-P	Impinj Monza R6-P	96/128-bit	64/32-bit	E280 1170	96 bits of serialized TID with 48-bit serial number
G2iL	NXP UCODE G2iL	128-bit	-	E200 6806	64 bits of serialized TID with 32-bit serial number
G2iM	NXP G2iM	256-bit	512-bit	E200 680A	96 bits of serialized TID with 48-bit serial number
U7	NXP UCODE 7	128-bit	-	E280 6810	96 bits of serialized TID with 48-bit serial number
U7XM-1k	NXP UCODE 7XM	448-bit	1K-bit	E280 6D12	96 bits of serialized TID with 48-bit serial number
U7XM-2k	NXP UCODE 7XM	448-bit	2K-bit	E280 6F12	96 bits of serialized TID with 48-bit serial number
U7XM+	NXP UCODE 7XM+	448-bit	2K-bit	E280 6D92	96 bits of serialized TID with 48-bit serial number
U8	NXP UCODE 8	128-bit	-	E280 6894	96 bits of serialized TID with 48-bit serial number
UDNA	NXP UCODE DNA	224-bit	3K-bit	E2C0 6892	96 bits of serialized TID with 48-bit serial number

HF / NFC IC Memory

	NXP ICODE SLIX	NXP ICODE SLIX2	MYD 2K	NXP NTAG210u	NXP NTAG213	NXP NTA216	MIFARE Ultralight EV1	NXP NTAG 213 TT	MIFARE Classic EV1 1K	SONY FeliCa Lite-S	NXP ICODE ILT-M	NXP NTAG424 DNA	SMT OTP	SIC43NT
	ISO 15693	ISO 15693	ISO 15693	ISO 14443A	ISO 14443A	ISO 14443A	ISO 14443A	ISO 14443A	ISO 14443A	ISO 18092	ISO 115693	ISO 14443A	ISO 14443A	ISO 14443A
Racetrack	●	●					●							
Block	●	●									●			
Bullseye™	●	●			●	●	●			●				
Stringray	●	●												
Minitrack	●	●					●				●			
Miniblock	●	●							●					
Microtrack	●		●											
Circus	●	●		●	●	●								
Circus Pro												●	●	●
Midas					●									
Midas+				●	●									
MIDAS SLIM					●									
Circus Tamper Loop								●						●

Auburn University

ARC Approved Inlay Designs

Model No	F	G	I	K	L	M	N	Q	U	W1	W2	W3	W4	W5	W6
AD-229 R6 / R6-P	●	●	●	●		●	●	●							
AD-236 U7	●	●	●	●	●	●	●	●		●	●			●	
AD-237 R6 / R6-P	●	●	●	●	●	●	●	●		●	●	●	●	●	●
AD-238 U8	●	●	●	●	●	●	●	●		●	●	●	●	●	●
AD-301 R6 / R6-P								●							
AD-310 U8	●	●	●	●		●		●			●			●	●
AD-320 U7		●				●		●							
AD-321 R6 / R6-P		●				●		●							
AD-324 U8 FCC	●	●		●		●		●			●			●	●
AD-324 U8 ETSI				●											
AD-332 U8	●	●				●	●	●		●	●	●	●	●	●
AD-370 U7								●							
AD-372 U8	●	●		●			●	●						●	
AD-383 U7	●	●		●		●		●			●			●	●
AD-384 R6 / R6-P	●	●		●	●	●	●	●		●	●			●	
AD-385 U8	●	●		●	●	●	●	●		●	●	●	●	●	●
AD-550 M5									●						
AD-553 U8									●						
AD-554 R6-B									●						

Inlay Family	IC	A	B	C	D	F	G	I	K	M	N	Q	U	W1	W2	W3	W4	W5
Accessory	Monza r6, r6-P											●						
Accessory	NXP u8									●		●						
Belt	NXP u8	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
Belt	NXP u7	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
Belt	Monza r6, r6-P	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●
Belt MC	Monza r6, r6-P	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
Miniweb ETSI	Monza r6, r6-P	●	●	●	●		●		●	●		●						
Miniweb FCC	NXP u8	●	●		●		●		●	●	●	●			●			●
Miniweb ETSI	NXP u8	●	●		●			●	●									
Miniweb FCC	Monza r6, r6-P	●	●		●		●			●		●						
Miniweb FCC	NXP u7	●	●		●		●			●		●						
Miniweb FCC	Monza r6, r6-P	●	●				●		●			●						
Eagle®	NXP u8	●	●	●	●	●	●	●	●			●			●			●
Web	NXP u7	●	●		●	●	●	●	●	●		●						
Web	NXP u8	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
Web	Monza r6, r6-P	●	●	●	●	●	●	●	●	●		●			●			●
Wings™	NXP u8												●					

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