UHF Antenna Design	Product Number	Antenna Size Width x Length Units: mm [inches]	Wet Inlay Size Width x Length Units: mm [inches]	Die Type	Description
	IN-16	91.924 x 66.68 [3.62 x 2.625]	98.425 x 76.2 [3.875 x 3]	UHF Gen 2 Impinj Monza 3 (96 bit)	Sirit's RSI-616 is an omni-directional, surface independent antenna designed for use in applications which require orientation insensitivity, longer read ranges, or on items in close proximity to metal. Designed for use with Monza 3 ICs and optimized for use on a broad variety of surfaces, the RSI-616 is the tag to use for challenging applications.
	IN-43	36.5 x 92 [1.44 x 3.622]	47.625 x 101.6 [1.875 x 4]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory) or Alien Higgs 3 (96 bit + 512 user memory)	Sirit's RSI-643 has a unique orientation insensitive design which is ideal for use in airline baggage tracking applications. Designed for use with NXP UCODE and Alien Higgs 3 ICs, the RSI-643 has options for standard or additional user memory.
	IN-49	89.2 x 8.0 [3.512 x 0.315]	98.425 x 12.7 [3.875 x 0.5]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory) or Alien Higgs 3 (96 bit + 512 user memory)	Sirit's RSI-649 antenna is a high-performance antenna optimized for use in supply chain, warehouse and logistics applications. The RSI-649 design gives excellent performance for a wide variety of applications and excels in environments where the tag resides in close proximity to metal. Designed for use with NXP UCODE and Alien Higgs 3 ICs, the RSI-649 has options for standard or additional user memory.
	IN-50	70.897 x 8.0 [2.79 x 0.315]	76.20 x 12.70 [3 x 0.5]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory)	Sirit's RSI-650 antenna is a high-performance midrange antenna designed for use in applications with size limitations, and performs best when applied to plastic. The RSI-650 offers performance comparable to antennas with a larger footprint, is designed for use with NXP UCODE ICs, and has options for standard or additional user memory.
	IN-54	71.70 x 22.4 [2.82 x 0.88]	76.2 x 25.4 [3.0 x 1.0]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory) or Alien Higgs 3 (96 bit + 512 user memory)	Sirit's RSI-654 antenna offers excellent performance in a smaller footprint. The RSI-654 design gives high performance on plastic, cardboard, and water based products making it ideal for general purpose applications where a small form factor is required. Designed for use with NXP UCODE and Alien Higgs 3 ICs, the RSI-654 has options for standard or additional user memory.

UHF Antenna Design	Product Number	Antenna Size Width x Length Units: mm [inches]	Wet Inlay Size Width x Length Units: mm [inches]	Die Type	Description
	IN-55	16.74 x 13 [0.659 x 0.512]	22.225 x 19.05 [0.875 x 0.75]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory) or Alien Higgs 3 (96 bit + 512 user memory)	Sirit's RSI-655 is a small near-field antenna designed for high-value asset tracking and applications where a small form factor tag is required. Designed for use with NXP UCODE and Alien Higgs 3 ICs, the RSI-655 has options for standard or additional user memory.
	IN-58	93.4 x 4.55 [3.677 x 0.179]	103.188 x 9.525 [4.063 x 0.375]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory) or Alien Higgs 3 (96 bit + 512 user memory)	Sirit's RSI-658 antenna was designed for general use applications, and gives strong performance when applied to a variety of materials including cardboard and plastic. Designed for use with NXP UCODE and Alien Higgs 3 ICs, the RSI-658 has options for standard or additional user memory.
	IN-69	32.5 x 20.5 [1.28 x 0.807]	38.35 x 25.4 [1.51 x 1]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory)	Sirit's RSI-669 is an all purpose high performance antenna which offers excellent readability in environments where large tag populations are in close proximity to each other. The RSI-669 is ideal for pharmaceutical, file tracking, library tracking, and applications where a small form factor is specified. Designed for use with NXP UCODE ICs, the RSI-669 has options for standard or additional user memory.
	IN-70	69.85 x 69.85 [2.75 x 2.75]	76.2 x 76.2 [3 x 3]	UHF Gen 2 Impinj Monza 3 (96 bit)	Sirit's RSI-670 is an omni-directional, surface independent antenna designed for use in applications which require orientation insensitivity and longer read ranges. Designed for use with Monza 3 ICs and optimized for use on a broad variety of surfaces, the RSI-670 is the tag to use for challenging applications.
	IN-74	92 x 7.957 [3.62 x 0.313]	98.425 x 12.7 [3.875 x 0.5]	UHF Gen 2 Impinj Monza 3 (96 bit)	Sirit's RSI-674 is an all purpose high performance antenna. Designed for use with Monza 3 ICs and optimized for use in supply chain, warehouse and logistics applications, the RSI-674 design gives excellent performance for a wide variety of applications.
	IN-75	50 x 13.5 [1.969 x 0.531]	57.15 x 19.05 [2.25 x 0.75]	NXP UCODE G2XL (240 bit) or NXP UCODE G2XM (240 bit + 512 user memory)	Sirit's RSI-675 has been designed to offer excellent performance in a smaller footprint, making it ideal for applications where a small form factor is required. The RSI-675 gives high performance on plastics and was designed for use with NXP UCODE ICs, giving options for standard or additional user memory.

HF Antenna Design	Product Number	Antenna Size Width x Length Units: mm [inches]	Wet Inlay Size Width x Length Units: mm [inches]	Die Type	Description
	IN-500	46 x 76 [1.81 x 3.0]	62 x 92 [2.44 x 3.622]	ICODE SLI-L (512 bits) ICODE SLI (1024 bits) ICODE SLI-S (2048 bits) Mifare Ultralite (512 bits) Mifare (1024 bytes) Mifare (4096 bytes) ST LRI2K (2048 bits)	Sirit's RSI-500 is an HF inlay designed for use in plastic cards. The RSI-500 is a credit card sized inlay designed for use with ICODE, Mifare and ST Micro chips. ISO 14443A or ISO 15693.
	IN-501	20 x 60 [0.79 x 2.37]	22.86 x 62.992 [0.9x 2.48]	ICODE SLI-L (512 bits) ICODE SLI (1024 bits) ICODE SLI-S (2048 bits) Mifare Ultralite (512 bits) Mifare (1024 bits) Mifare (4096 bits) ST LRI2K (2048 bits)	Sirit's RSI-501 is an HF inlay designed for general use applications. The RSI-501 is a small form factor inlay designed for use with ICODE, Mifare and ST Micro chips. ISO 14443A or ISO 15693.
	IN-504	22 x 42 [0.866 x 1.653]	26 x 45 [1.024 x 1.772]	ICODE SLI-L (512 bits) ICODE SLI (1024 bits) ICODE SLI-S (2048 bits) Mifare Ultralite (512 bits) Mifare (1024 bytes) Mifare (4096 bytes) ST LRI2K (2048 bits)	Sirit's RSI-504 is an HF inlay designed for general use applications. The RSI-504 is a small form factor inlay designed for use with ICODE, Mifare and ST Micro chips. ISO15693 and ISO14443A.
	IN-505	33.82 [1.33]	45 [1.77]	ICODE SLI-L (512 bits) ICODE SLI (1024 bits) ICODE SLI-S (2048 bits) ST LRI2K (2048 bits)	Sirit's RSI-505 is an HF inlay designed for digital media applications, and is specifically tuned for use on CD and DVDs. The RSI-505 is a circular inlay which is designed for use with ICODE and ST Micro chips. ISO15693
	IN-506	45 x 45 [1.77 x 1.77]	50.8 x 50.8 [2 x 2]	ICODE SLI-L (512 bits) ICODE SLI (1024 bits) ICODE SLI-S (2048 bits) Mifare Ultralite (512 bits) Mifare (1024 bytes) Mifare (4096 bytes) ST LRI2K (2048 bits)	Sirit's RSI-506 is an HF inlay designed for use in library and item level applications. The RSI-506 is a square inlay designed for use with ICODE, Mifare and ST Micro chips and offers strong performance for applications which require a small form factor. ISO 14443A or ISO 15693.
	IN-520	46 x 76 [1.81 x 3.0]	62 x 92 [2.44 x 3.622]	Mifare Ultralite (512 bits) Mifare (1024 bytes) Mifare (4096 bytes)	Sirit's RSI-520 is a low cost HF inlay designed and optimized for limited-use paper ticket applications. The RSI-520 is a credit card sized inlay designed for use with the Mifare chips. ISO 14443-A.
	IN-560	46 x 76 [1.81 x 3]	61.57mm x 92mm [2.424 x 3.625]	SRI512 (512 bits) SRT512 (512 bits) SRIX4K (4096 bits)	Sirit's RSI-560 is an HF inlay designed and optimized for use in plastic cards. The RSI-560 is a credit card sized inlay designed for use with ST Micro chips. ISO 14443-B.