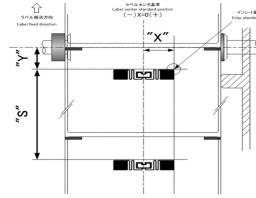


CT4-LX UHF Inlay Configuration Guide

SATO recommends print speeds of 4 IPS or less for best results with RFID. The following recommendations have been tested successfully at SATO. Results may vary based on system limitations. Validation of functionality in the actual system is therefore recommended.

- ETSI** Placement and Configurations valid for European (ETSI) frequency range, 865-868MHz
- FCC** Valid for Frequencies that fall within the FCC range, 902-928MHz

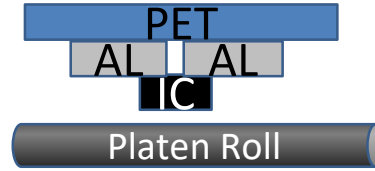


X: Liner Center to Inlay Edge
(Direction of Travel Right Side)
Y: Optimum Encoding Position
Yp: Print Write Print (PWP) Position
S: Minimum Inlay Separation

IC Facing



IC Facing



Region	Manufacturer	Inlay	IC Chip	IC Direction	Feed Orientation	Position(mm)				Power (dbm)		Antenna Selection	Antenna Position [mm]		
						X	Y	Yp	S	Write	Read		X	Y	
ETSI	SATO	ST7015R6-RE01	Impinj MonzaR6	IC Facing UP		32 to 38	4 to 6			30	13	13	Front	28	0
ETSI	SATO	ST7015R6-RE01	Impinj MonzaR6	IC Facing UP		32 to 38	17 to 21			35	15	15	Normal	14	5
FCC	SATO	ST7015R6-RE01	Impinj MonzaR6	IC Facing UP		32 to 38	4 to 6			35	13	13	Front	28	0
FCC	SATO	ST7015R6-RE01	Impinj MonzaR6	IC Facing UP		32 to 38	16 to 21			35	15	15	Normal	14	5
ETSI	SATO	ST7015R6-RE02	Impinj MonzaR6	IC Facing UP		32 to 36	3 to 5			30	18	18	Front	28	0
ETSI	SATO	ST7015R6-RE02	Impinj MonzaR6	IC Facing UP		32 to 38	22 to 27			37	20	20	Normal	14	5
FCC	SATO	ST7015R6-RE02	Impinj MonzaR6	IC Facing UP		32 to 38	13 to 16			38	20	20	Front	28	0
FCC	SATO	ST7015R6-RE02	Impinj MonzaR6	IC Facing UP		32 to 38	23 to 38			35	23	23	Normal	14	5
ETSI	SATO	ST5030R6-MK01 "Kani-R6"	Impinj MonzaR6	IC Facing UP		22 to 28	5 to 8			48	22	22	Front	28	0
ETSI	SATO	ST5030R6-MK01 "Kani-R6"	Impinj MonzaR6	IC Facing UP		22 to 28	6 to 12			35	17	17	Normal	14	5
FCC	SATO	ST5030R6-MK01 "Kani-R6"	Impinj MonzaR6	IC Facing UP		22 to 28	5 to 10			35	17	13	Front	28	0
FCC	SATO	ST5030R6-MK01 "Kani-R6"	Impinj MonzaR6	IC Facing UP		22 to 28	6 to 12			35	15	15	Normal	14	5
ETSI	SATO	ST9006R6-MK01 "Spring-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	19 to 22			41	24	24	Front	28	0
ETSI	SATO	ST9006R6-MK01 "Spring-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	27 to 32			35	20	20	Normal	14	5
FCC	SATO	ST9006R6-MK01 "Spring-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	19 to 23			30	11	11	Front	28	0
FCC	SATO	ST9006R6-MK01 "Spring-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	22 to 25			30	21	21	Normal	14	5
ETSI	SATO	ST3310R6-P-MK01 "Tako-R6P"	Impinj MonzaR6-P	IC Facing UP		13.5 to 19.5	10 to 12			30	20	20	Front	28	0
ETSI	SATO	ST3310R6-P-MK01 "Tako-R6P"	Impinj MonzaR6-P	IC Facing UP		13.5 to 19.5	24 to 26			31	20	20	Normal	14	5
FCC	SATO	ST3310R6-P-MK01 "Tako-R6P"	Impinj MonzaR6-P	IC Facing UP		13.5 to 19.5	20 to 22			38	24	24	Front	28	0
FCC	SATO	ST3310R6-P-MK01 "Tako-R6P"	Impinj MonzaR6-P	IC Facing UP		15.5 to 19.5	24 to 26			28	23	23	Normal	14	5
ETSI	SATO	ST2509R6-MK01 "E-Tako-R6"	Impinj MonzaR6	IC Facing UP		10 to 15	10 to 13			28	18	18	Front	28	0
ETSI	SATO	ST2509R6-MK01 "E-Tako-R6"	Impinj MonzaR6	IC Facing UP		10 to 15	23 to 26			30	17	17	Normal	14	5
FCC	SATO	ST2509R6-MK01 "E-Tako-R6"	Impinj MonzaR6	IC Facing UP		10 to 15	10 to 12			25	11	11	Front	28	0
FCC	SATO	ST2509R6-MK01 "E-Tako-R6"	Impinj MonzaR6	IC Facing UP		10 to 15	23 to 26			30	15	15	Normal	14	5
ETSI	SATO	ST7010M4QT-MK01 "Clover-M4QT"	Impinj Monza4QT	IC Facing UP		32 to 38	10 to 12			30	24	24	Front	28	0
ETSI	SATO	ST7010M4QT-MK01 "Clover-M4QT"	Impinj Monza4QT	IC Facing UP		32 to 38	35 to 38			28	24	24	Normal	14	5
FCC	SATO	ST7010M4QT-MK01 "Clover-M4QT"	Impinj Monza4QT	IC Facing UP		32 to 38	10 to 12			39	24	24	Front	28	0
FCC	SATO	ST7010M4QT-MK01 "Clover-M4QT"	Impinj Monza4QT	IC Facing UP		32 to 38	28 to 31			21	24	24	Normal	14	5
ETSI	SATO	ST3028R6-RE01 "MPY-R6"	Impinj MonzaR6	IC Facing UP		11 to 17	20 to 23			52	21	21	Front	28	0
ETSI	SATO	ST3028R6-RE01 "MPY-R6"	Impinj MonzaR6	IC Facing UP		11 to 17	17 to 20			60	20	20	Normal	14	5
FCC	SATO	ST3028R6-RE01 "MPY-R6"	Impinj MonzaR6	IC Facing UP		11 to 17	21 to 24			68	21	21	Front	28	0
FCC	SATO	ST3028R6-RE01 "MPY-R6"	Impinj MonzaR6	IC Facing UP		16 to 22	18 to 21			50	23	23	Normal	14	5
ETSI	SATO	ST6915R6P-MK05 "Love5-R6P"	Impinj MonzaR6-P	IC Facing Below		9.5 to 15.5	3 to 6			112	21	18	Front	28	0
ETSI	SATO	ST6915R6P-MK05 "Love5-R6P"	Impinj MonzaR6-P	IC Facing Below		-0.5 to 5.5	4 to 9			84	20	18	Normal	14	5
FCC	SATO	ST6915R6P-MK05 "Love5-R6P"	Impinj MonzaR6-P	IC Facing Below		4.5 to 10.5	18 to 21			110	23	19	Front	28	0
FCC	SATO	ST6915R6P-MK05 "Love5-R6P"	Impinj MonzaR6-P	IC Facing Below		-0.5 to 5.5	4 to 8			74	20	20	Normal	14	5
ETSI	SATO	ST5730R6-RE01 "Muscles-R6"	Impinj MonzaR6	IC Facing UP		12 to 18	20 to 23			82	24	24	Front	28	0
ETSI	SATO	ST5730R6-RE01 "Muscles-R6"	Impinj MonzaR6	IC Facing UP		12 to 18	9 to 13			102	18	18	Normal	14	5
FCC	SATO	ST5730R6-RE01 "Muscles-R6"	Impinj MonzaR6	IC Facing UP		12 to 18	20 to 23			108	24	23	Front	28	0
FCC	SATO	ST5730R6-RE01 "Muscles-R6"	Impinj MonzaR6	IC Facing UP		12 to 18	8 to 12			107	22	19	Normal	14	5
ETSI	SATO	ST9020R6-MK01 "Paddle-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	3 to 6			35	15	15	Front	28	0
ETSI	SATO	ST9020R6-MK01 "Paddle-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	28 to 32			38	20	20	Normal	14	5

Region	Manufacturer	Inlay	IC Chip	IC Direction	Feed Orientation	Position(mm)				Power (dbm)		Antenna Position [mm]			
						X	Y	Yp	S	Write	Read	Antenna Selection	X	Y	
FCC	SATO	ST9020R6-MK01 "Paddle-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	12 to 15			40	17	17	Front	28	0
FCC	SATO	ST9020R6-MK01 "Paddle-R6"	Impinj MonzaR6	IC Facing UP		42 to 48	24 to 27			35	19	19	Normal	14	5
ETSI	SATO	ST7545R6-FZ01 "Zeta-R6"	Impinj MonzaR6	IC Facing UP		19.5 to 25.5	Note to Note	10		80	24	21	Front	28	0
ETSI	SATO	ST7545R6-FZ01 "Zeta-R6"	Impinj MonzaR6	IC Facing UP		19.5 to 25.5	5 to 14			80	24	20	Normal	14	5
FCC	SATO	ST7545R6-FZ01 "Zeta-R6"	Impinj MonzaR6	IC Facing UP		19.5 to 25.5	20 to 24			86	24	21	Front	28	0
FCC	SATO	ST7545R6-FZ01 "Zeta-R6"	Impinj MonzaR6	IC Facing UP		19.5 to 25.5	4 to 7			80	22	17	Normal	14	5
ETSI	SATO	ST4015R6-RE01 "Warp-R6"	Impinj MonzaR6	IC Facing Below		17 to 23	6 to 8			30	24	24	Front	28	0
ETSI	SATO	ST4015R6-RE01 "Warp-R6"	Impinj MonzaR6	IC Facing Below		17 to 23	19 to 22			30	18	18	Normal	14	5
FCC	SATO	ST4015R6-RE01 "Warp-R6"	Impinj MonzaR6	IC Facing Below		17 to 23	6 to 8			42	22	22	Front	28	0
FCC	SATO	ST4015R6-RE01 "Warp-R6"	Impinj MonzaR6	IC Facing Below		17 to 23	19 to 22			28	18	18	Normal	14	5
FCC	SATO	ST3318U8-MK01 "Tab-U8"	NXP UCODE 8	IC Facing UP		13.5 to 19.5	18 to 20			40	14	14	Front	28	0
FCC	SATO	ST3318U8-MK01 "Tab-U8"	NXP UCODE 8	IC Facing UP		13.5 to 19.5	20 to 23			34	24	24	Normal	14	5
ETSI	SATO	ST5030U8-MK01 "Kani-U8"	NXP UCODE 8	IC Facing UP		0 to 0	0 to 0			0	NG	NG	Front	28	0
ETSI	SATO	ST5030U8-MK01 "Kani-U8"	NXP UCODE 8	IC Facing UP		22 to 28	20 to 25			41	23	23	Normal	14	5
FCC	SATO	ST5030U8-MK01 "Kani-U8"	NXP UCODE 8	IC Facing UP		0 to 0	0 to 0			0	NG	NG	Front	28	0
FCC	SATO	ST5030U8-MK01 "Kani-U8"	NXP UCODE 8	IC Facing UP		22 to 28	8 to 13			41	20	20	Normal	14	5
ETSI	SATO	ST7015U8-RE02	NXP UCODE 8	IC Facing UP		32 to 38	4 to 9			34	22	19	Front	28	0
ETSI	SATO	ST7015U8-RE02	NXP UCODE 8	IC Facing UP		32 to 38	18 to 23			45	21	21	Normal	14	5
FCC	SATO	ST7015U8-RE02	NXP UCODE 8	IC Facing UP		32 to 38	3 to 8			41	16	16	Front	28	0
FCC	SATO	ST7015U8-RE02	NXP UCODE 8	IC Facing UP		32 to 38	19 to 24			32	15	15	Normal	14	5
ETSI	SATO	ST4316R6P-MK01 "Zipper-R6P"	Impinj MonzaR6-P	IC Facing UP		18.5 to 24.5	2 to 7			30	17	17	Front	28	0
ETSI	SATO	ST4316R6P-MK01 "Zipper-R6P"	Impinj MonzaR6-P	IC Facing UP		18.5 to 24.5	19 to 24			34	24	24	Normal	14	5
FCC	SATO	ST4316R6P-MK01 "Zipper-R6P"	Impinj MonzaR6-P	IC Facing UP		18.5 to 19.5	2 to 7			30	17	17	Front	28	0
FCC	SATO	ST4316R6P-MK01 "Zipper-R6P"	Impinj MonzaR6-P	IC Facing UP		18.5 to 24.5	17 to 22			33	22	22	Normal	14	5
ETSI	SMARTRAC	Dogbone M4QT	Impinj Monza4QT	IC Facing UP		44.5 to 50.5	9 to 11			53	24	24	Front	28	0
ETSI	SMARTRAC	Dogbone M4QT	Impinj Monza4QT	IC Facing UP		39.5 to 45.5	24 to 28			51	17	17	Normal	14	5
FCC	SMARTRAC	Dogbone M4QT	Impinj Monza4QT	IC Facing UP		39.5 to 45.5	10 to 13			62	24	22	Front	28	0
FCC	SMARTRAC	Dogbone M4QT	Impinj Monza4QT	IC Facing UP		39.5 to 45.5	15 to 18			51	17	17	Normal	14	5
ETSI	SMARTRAC	midas Flag Tag	Impinj MonzaR6-P	IC Facing UP		22.4 to 28.4	4.5 to 7.5			36	24	22	Front	28	0
ETSI	SMARTRAC	midas Flag Tag	Impinj MonzaR6-P	IC Facing UP		17.4 to 23.4	20.5 to 25.5			25	18	18	Normal	14	5
FCC	SMARTRAC	midas Flag Tag	Impinj MonzaR6-P	IC Facing UP		22.4 to 28.4	4.5 to 7.5			37	24	22	Front	28	0
FCC	SMARTRAC	midas Flag Tag	Impinj MonzaR6-P	IC Facing UP		17.4 to 23.4	20.5 to 25.5			24	16	16	Normal	14	5
ETSI	SMARTRAC	MiniWeb ETSI Paper Tag	Impinj MonzaR6-P	IC Facing UP		19.5 to 25.5	6 to 9			31	20	20	Front	28	0
ETSI	SMARTRAC	MiniWeb ETSI Paper Tag	Impinj MonzaR6-P	IC Facing UP		19.5 to 25.5	20 to 24			38	20	20	Normal	14	5
FCC	SMARTRAC	MiniWeb ETSI Paper Tag	Impinj MonzaR6-P	IC Facing UP		19.5 to 25.5	7 to 9			31	16	16	Front	28	0
FCC	SMARTRAC	MiniWeb ETSI Paper Tag	Impinj MonzaR6-P	IC Facing UP		19.5 to 25.5	20 to 24			30	17	17	Normal	14	5
ETSI	SMARTRAC	ShortDipole Wet Inlay	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	7 to 9			30	20	20	Front	28	0
ETSI	SMARTRAC	ShortDipole Wet Inlay	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	22 to 26			29	20	20	Normal	14	5
FCC	SMARTRAC	ShortDipole Wet Inlay	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	8 to 10			27	20	20	Front	28	0
FCC	SMARTRAC	ShortDipole Wet Inlay	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	20 to 24			28	19	19	Normal	14	5
ETSI	SMARTRAC	DogBone Wet Inlay	NXP UCODE 8	IC Facing UP		50.5 to 54.5	14 to 16			58	23	23	Front	28	0
ETSI	SMARTRAC	DogBone Wet Inlay	NXP UCODE 8	IC Facing UP		45.5 to 51.5	29 to 34			38	23	18	Normal	14	5
FCC	SMARTRAC	DogBone Wet Inlay	NXP UCODE 8	IC Facing UP		45.5 to 51.5	13 to 17			50	18	15	Front	28	0
FCC	SMARTRAC	DogBone Wet Inlay	NXP UCODE 8	IC Facing UP		45.5 to 51.5	26 to 30			51	22	22	Normal	14	5
ETSI	SMARTRAC	DogBone Paper Tag	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	4 to 7			55	22	22	Front	28	0
ETSI	SMARTRAC	DogBone Paper Tag	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	24 to 29			49	18	18	Normal	14	5
FCC	SMARTRAC	DogBone Paper Tag	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	9 to 13			55	18	18	Front	28	0
FCC	SMARTRAC	DogBone Paper Tag	Impinj MonzaR6-P	IC Facing UP		45.5 to 51.5	14 to 18			51	20	20	Normal	14	5
ETSI	SMARTRAC	Web Paper Tag	NXP UCODE 7	IC Facing UP		24 to 30	8 to 10			38	20	20	Front	28	0
ETSI	SMARTRAC	Web Paper Tag	NXP UCODE 7	IC Facing UP		24 to 30	9 to 13			39	15	15	Normal	14	5
FCC	SMARTRAC	Web Paper Tag	NXP UCODE 7	IC Facing UP		24 to 30	9 to 13			46	19	19	Front	28	0
FCC	SMARTRAC	Web Paper Tag	NXP UCODE 7	IC Facing UP		24 to 30	10 to 14			40	18	18	Normal	14	5
ETSI	SMARTRAC	Accessory Tag Wet Inlay	Impinj MonzaR6-P	IC Facing Below		13.5 to 19.5	5 to 9			29	17	17	Front	28	0
ETSI	SMARTRAC	Accessory Tag Wet Inlay	Impinj MonzaR6-P	IC Facing Below		13.5 to 19.5	20 to 25			26	20	20	Normal	14	5
FCC	SMARTRAC	Accessory Tag Wet Inlay	Impinj MonzaR6-P	IC Facing Below		13.5 to 19.5	5 to 9			31	15	15	Front	28	0
FCC	SMARTRAC	Accessory Tag Wet Inlay	Impinj MonzaR6-P	IC Facing Below		13.5 to 19.5	18 to 23			23	13	13	Normal	14	5
FCC	SMARTRAC	Miniweb FCC-U8 Wet [3007034]	NXP UCODE 8	IC Facing UP		18 to 24	3 to 8			28	11	11	Front	28	0
FCC	SMARTRAC	Miniweb FCC-U8 Wet [3007034]	NXP UCODE 8	IC Facing UP		18 to 24	18 to 23			25	15	15	Normal	14	5
ETSI	SMARTRAC	Wings-U8 WWet [3007250]	NXP UCODE 8	IC Facing UP		33 to 39	17 to 22			55	19	19	Front	28	0
ETSI	SMARTRAC	Wings-U8 WWet [3007250]	NXP UCODE 8	IC Facing UP		33 to 39	32 to 37			42	19	19	Normal	14	5
FCC	SMARTRAC	Wings-U8 WWet [3007250]	NXP UCODE 8	IC Facing UP		33 to 39	16 to 21			60	16	16	Front	28	0
FCC	SMARTRAC	Wings-U8 WWet [3007250]	NXP UCODE 8	IC Facing UP		33 to 39	31 to 36			46	23	23	Normal	14	5
ETSI	Alien Technology	ALN-9654 "G Tag"	Alien Higgs3	IC Facing UP		43.5 to 49.5	4 to 7			47	23	18	Front	28	0
ETSI	Alien Technology	ALN-9654 "G Tag"	Alien Higgs3	IC Facing UP		43.5 to 49.5	19 to 22			37	23	20	Normal	14	5

Region	Manufacturer	Inlay	IC Chip	IC Direction	Feed Orientation	Position(mm)				Power (dbm)		Antenna Selection	Antenna Position [mm]		
						X	Y	Yp	S	Write	Read		X	Y	
FCC	Alien Technology	ALN-9654 "G Tag"	Alien Higgs3	IC Facing UP		43.5 to 49.5	5 to 8			47	23	20	Front	28	0
FCC	Alien Technology	ALN-9654 "G Tag"	Alien Higgs3			43.5 to 49.5	18 to 21			44	24	20	Normal	14	5
ETSI	Alien Technology	ALN-9662 "Short"	Alien Higgs3	IC Facing Below		32 to 38	5 to 7			33	20	20	Front	28	0
ETSI	Alien Technology	ALN-9662 "Short"	Alien Higgs3			32 to 38	18 to 21			33	24	20	Normal	14	5
FCC	Alien Technology	ALN-9662 "Short"	Alien Higgs3	IC Facing Below		32 to 38	4 to 6			33	20	20	Front	28	0
FCC	Alien Technology	ALN-9662 "Short"	Alien Higgs3			32 to 38	18 to 21			22	24	17	Normal	14	5
ETSI	Alien Technology	ALN-9710 "Squig"	Alien Higgs4	IC Facing UP		19.25 to 25.25	9 to 11			28	23	23	Front	28	0
ETSI	Alien Technology	ALN-9710 "Squig"	Alien Higgs4			19.25 to 25.25	22 to 26			19	23	23	Normal	14	5
FCC	Alien Technology	ALN-9710 "Squig"	Alien Higgs4	IC Facing UP		19.25 to 25.25	9 to 11			30	20	20	Front	28	0
FCC	Alien Technology	ALN-9710 "Squig"	Alien Higgs4			19.25 to 25.25	22 to 25			22	21	21	Normal	14	5
ETSI	Alien Technology	ALN-9728-90 "Garment Tag"	Alien Higgs4	IC Facing UP		12 to 18	18 to 22			85	24	20	Front	28	0
ETSI	Alien Technology	ALN-9728-90 "Garment Tag"	Alien Higgs4			12 to 18	6 to 8			75	24	24	Normal	14	5
FCC	Alien Technology	ALN-9728-90 "Garment Tag"	Alien Higgs4	IC Facing UP		12 to 18	19 to 23			75	24	18	Front	28	0
FCC	Alien Technology	ALN-9728-90 "Garment Tag"	Alien Higgs4			12 to 18	6 to 8			75	24	24	Normal	14	5
ETSI	Alien Technology	ALN-9740 "Squiggle"	Alien Higgs4	IC Facing UP		47 to 49	10 to 12			25	24	18	Front	28	0
ETSI	Alien Technology	ALN-9740 "Squiggle"	Alien Higgs4			45 to 49	24 to 26			25	22	19	Normal	14	5
FCC	Alien Technology	ALN-9740 "Squiggle"	Alien Higgs4	IC Facing UP		45 to 49	10 to 12			25	23	15	Front	28	0
FCC	Alien Technology	ALN-9740 "Squiggle"	Alien Higgs4			45 to 49	24 to 27			25	22	20	Normal	14	5
FCC	Alien Technology	ALN-9816-WRW "Pearl"	Alien HiggsEC	IC Facing UP		0 to 0	0 to 0			0	NG	NG	Front	28	0
FCC	Alien Technology	ALN-9816-WRW "Pearl"	Alien HiggsEC			0 to 0	0 to 0			0	NG	NG	Normal	14	5
FCC	Alien Technology	ALN-9825-WRW "Gecko"	Alien HiggsEC	IC Facing UP		16.5 to 22.5	15 to 20			40	24	24	Front	28	0
FCC	Alien Technology	ALN-9825-WRW "Gecko"	Alien HiggsEC			0 to 0	0 to 0			0	NG	NG	Normal	14	5
FCC	Alien Technology	ALN-9827-WRW "GT-L"	Alien HiggsEC	IC Facing UP		22 to 28	2 to 3			41	14	14	Front	28	0
FCC	Alien Technology	ALN-9827-WRW "GT-L"	Alien HiggsEC			22 to 28	9 to 16			42	18	18	Normal	14	5
FCC	Alien Technology	ALN-9828-WRW "GT"	Alien HiggsEC	IC Facing UP		22 to 23	3 to 8			35	11	11	Front	28	0
FCC	Alien Technology	ALN-9828-WRW "GT"	Alien HiggsEC			22 to 23	11 to 16			42	18	18	Normal	14	5
FCC	Alien Technology	ALN-9830-WRW "Squiglette"	Alien HiggsEC	IC Facing UP		32 to 38	8 to 13			28	24	24	Front	28	0
FCC	Alien Technology	ALN-9830-WRW "Squiglette"	Alien HiggsEC			32 to 38	23 to 28			24	20	20	Normal	14	5
FCC	Alien Technology	ALN-9835-WRW "Express"	Alien HiggsEC	IC Facing UP		0 to 0	0 to 0			0	NG	NG	Front	28	0
FCC	Alien Technology	ALN-9835-WRW "Express"	Alien HiggsEC			32 to 38	20 to 25			30	21	21	Normal	14	5
FCC	Alien Technology	ALN-9840-WRW "Squiggle"	Alien HiggsEC	IC Facing UP		44.4 to 50.4	5 to 10			33	19	19	Front	28	0
FCC	Alien Technology	ALN-9840-WRW "Squiggle"	Alien HiggsEC			44.4 to 50.4	24 to 29			25	21	21	Normal	14	5
FCC	Alien Technology	ALN-9841-WRW "Doc"	Alien HiggsEC	IC Facing UP		0 to 0	0 to 0			0	NG	NG	Front	28	0
FCC	Alien Technology	ALN-9841-WRW "Doc"	Alien HiggsEC			0 to 0	0 to 0			0	NG	NG	Normal	14	5
FCC	Alien Technology	ALN-9862-WRW "Short"	Alien HiggsEC	IC Facing UP		32 to 38	2 to 7			36	24	18	Front	28	0
FCC	Alien Technology	ALN-9862-WRW "Short"	Alien HiggsEC			32 to 38	19 to 24			32	18	18	Normal	14	5
FCC	Alien Technology	ALN-9874-WRW "Tread"	Alien HiggsEC	IC Facing UP		37 to 43	2 to 3			52	20	16	Front	28	0
FCC	Alien Technology	ALN-9874-WRW "Tread"	Alien HiggsEC			37 to 43	8 to 13			51	15	15	Normal	14	5
ETSI	TAGEOS	EOS-241	NXP UCODE 8	IC Facing Below		19.5 to 25.5	4 to 9			27	20	16	Front	28	0
ETSI	TAGEOS	EOS-241	NXP UCODE 8			19.5 to 25.5	19 to 23			22	23	20	Normal	14	5
FCC	TAGEOS	EOS-241	Impinj MonzaR6-P	IC Facing Below		19.5 to 25.5	4 to 8			31	16	20	Front	28	0
FCC	TAGEOS	EOS-241	Impinj MonzaR6-P			19.5 to 25.5	18 to 22			22	24	20	Normal	14	5
ETSI	TAGEOS	EOS-300	Impinj MonzaR6-P	IC Facing UP		24 to 30	5 to 8			39	24	24	Front	28	0
ETSI	TAGEOS	EOS-300	Impinj MonzaR6-P			24 to 30	7 to 10			39	24	22	Normal	14	5
FCC	TAGEOS	EOS-300	Impinj MonzaR6-P	IC Facing UP		24 to 30	6 to 9			40	24	24	Front	28	0
FCC	TAGEOS	EOS-300	Impinj MonzaR6-P			24 to 30	5 to 8			40	24	22	Normal	14	5
ETSI	TAGEOS	EOS-400	Impinj MonzaR6-P	IC Facing UP		34 to 40	3 to 6			29	21	18	Front	28	0
ETSI	TAGEOS	EOS-400	Impinj MonzaR6-P			34 to 40	18 to 23			36	18	18	Normal	14	5
FCC	TAGEOS	EOS-400	Impinj MonzaR6-P	IC Facing UP		34 to 40	3 to 6			38	21	18	Front	28	0
FCC	TAGEOS	EOS-400	Impinj MonzaR6-P			34 to 40	15 to 19			37	21	18	Normal	14	5
ETSI	TAGEOS	EOS-420	Impinj MonzaR6	IC Facing UP		32 to 38	5 to 9			40	20	20	Front	28	0
ETSI	TAGEOS	EOS-420	Impinj MonzaR6			32 to 38	20 to 23			31	21	21	Normal	14	5
FCC	TAGEOS	EOS-420	Impinj MonzaR6	IC Facing UP		32 to 38	5 to 8			62	16	16	Front	28	0
FCC	TAGEOS	EOS-420	Impinj MonzaR6			32 to 38	19 to 23			30	21	21	Normal	14	5
ETSI	TAGEOS	EOS-500	Impinj MonzaR6	IC Facing UP		47 to 53	9 to 11			31	23	23	Front	28	0
ETSI	TAGEOS	EOS-500	Impinj MonzaR6			47 to 53	25 to 28			38	23	23	Normal	14	5
FCC	TAGEOS	EOS-500	Impinj MonzaR6	IC Facing UP		47 to 53	10 to 14			39	16	16	Front	28	0
FCC	TAGEOS	EOS-500	Impinj MonzaR6			47 to 53	13 to 16			36	21	21	Normal	14	5
ETSI	Arizon	AZ-H7 U7	NXP UCODE 7	IC Facing Below		31 to 37	7 to 9			44	22	22	Front	28	0
ETSI	Arizon	AZ-H7 U7	NXP UCODE 7			31 to 37	34 to 38			41	23	21	Normal	14	5
FCC	Arizon	AZ-H7 U7	NXP UCODE 7	IC Facing Below		31 to 37	8 to 10			28	15	15	Front	28	0
FCC	Arizon	AZ-H7 U7	NXP UCODE 7			31 to 37	20 to 24			29	16	16	Normal	14	5

Region	Manufacturer	Inlay	IC Chip	IC Direction	Feed Orientation	Position(mm)				Power (dbm)		Antenna Selection	Antenna Position [mm]		
						X	Y	Yp	S	Write	Read		X	Y	
ETSI	TOPPAN FORMS	0890 防水ICラベル M4D	Impinj Monza4D	IC Facing UP		42 to 48	20 to 23			42	23	23	Front	28	0
ETSI	TOPPAN FORMS	0890 防水ICラベル M4D	Impinj Monza4D			42 to 48	35 to 38			30	22	22	Normal	14	5
FCC	TOPPAN FORMS	0890 防水ICラベル M4D	Impinj Monza4D	IC Facing UP		42 to 48	19 to 23			41	18	18	Front	28	0
FCC	TOPPAN FORMS	0890 防水ICラベル M4D	Impinj Monza4D			42 to 48	34 to 37			33	22	22	Normal	14	5
ETSI	Avery Dennison	AD-163u8	NXP UCODE 8	IC Facing UP		27 to 33	19 to 21			29	24	24	Front	28	0
ETSI	Avery Dennison	AD-163u8	NXP UCODE 8			27 to 33	23 to 25			29	24	24	Normal	14	5
FCC	Avery Dennison	AD-163u8	NXP UCODE 8	IC Facing UP		27 to 33	19 to 22			36	22	18	Front	28	0
FCC	Avery Dennison	AD-163u8	NXP UCODE 8			27 to 33	24 to 26			25	24	24	Normal	14	5
ETSI	Stora Enso	ECO Bumper-U8 PaperTag [500025]	NXP UCODE 8	IC Facing Below		0 to 0	0 to 0	0	0	NG	NG	NG	Front	28	0
ETSI	Stora Enso	ECO Bumper-U8 PaperTag [500025]	NXP UCODE 8			44 to 50	18 to 23			38	17	17	Normal	14	5
FCC	Stora Enso	ECO Bumper-U8 PaperTag [500025]	NXP UCODE 8	IC Facing Below		0 to 0	0 to 0	0	0	NG	NG	NG	Front	28	0
FCC	Stora Enso	ECO Bumper-U8 PaperTag [500025]	NXP UCODE 8			44 to 50	19 to 24			39	23	23	Normal	14	5
ETSI	Stora Enso	ECO Hanger-U8 PaperTag [500033]	NXP UCODE 8	IC Facing Below		23 to 29	5 to 10			46	20	20	Front	28	0
ETSI	Stora Enso	ECO Hanger-U8 PaperTag [500033]	NXP UCODE 8			23 to 29	6 to 11			39	23	18	Normal	14	5
FCC	Stora Enso	ECO Hanger-U8 PaperTag [500033]	NXP UCODE 8	IC Facing Below		23 to 29	5 to 10			41	17	12	Front	28	0
FCC	Stora Enso	ECO Hanger-U8 PaperTag [500033]	NXP UCODE 8			23 to 29	7 to 12			39	18	18	Normal	14	5
ETSI	Stora Enso	ECO Hook-U8 PaperTag [500034]	NXP UCODE 8	IC Facing Below		20.5 to 26.5	2 to 7			32	15	15	Front	28	0
ETSI	Stora Enso	ECO Hook-U8 PaperTag [500034]	NXP UCODE 8			20.5 to 26.5	19 to 24			30	23	18	Normal	14	5
FCC	Stora Enso	ECO Hook-U8 PaperTag [500034]	NXP UCODE 8	IC Facing Below		20.5 to 26.5	2 to 7			32	13	13	Front	28	0
FCC	Stora Enso	ECO Hook-U8 PaperTag [500034]	NXP UCODE 8			20.5 to 26.5	18 to 23			26	12	12	Normal	14	5
ETSI	Stora Enso	ECO Rack-U8 PaperTag [500037]	NXP UCODE 8	IC Facing Below		32 to 38	4 to 9			32	19	16	Front	28	0
ETSI	Stora Enso	ECO Rack-U8 PaperTag [500037]	NXP UCODE 8			32 to 38	18 to 23			33	19	19	Normal	14	5
FCC	Stora Enso	ECO Rack-U8 PaperTag [500037]	NXP UCODE 8	IC Facing Below		32 to 38	4 to 9			47	18	18	Front	28	0
FCC	Stora Enso	ECO Rack-U8 PaperTag [500037]	NXP UCODE 8			32 to 38	18 to 23			26	11	11	Normal	14	5
ETSI	Stora Enso	Racer-MR6-P Wet [500043]	Impinj MonzaR6-P	IC Facing Below		44.5 to 50.5	3 to 8			27	21	21	Front	28	0
ETSI	Stora Enso	Racer-MR6-P Wet [500043]	Impinj MonzaR6-P			44.5 to 50.5	21 to 26			24	19	19	Normal	14	5
FCC	Stora Enso	Racer-MR6-P Wet [500043]	Impinj MonzaR6-P	IC Facing Below		44.5 to 50.5	4 to 9			26	18	18	Front	28	0
FCC	Stora Enso	Racer-MR6-P Wet [500043]	Impinj MonzaR6-P			44.5 to 50.5	21 to 26			25	15	15	Normal	14	5
ETSI	Stora Enso	ECO Stripe-U8 PaperTag [500054]	NXP UCODE 8	IC Facing Below		0 to 0	0 to 0	0	0	NG	NG	NG	Front	28	0
ETSI	Stora Enso	ECO Stripe-U8 PaperTag [500054]	NXP UCODE 8			10 to 16	16 to 21			29	22	22	Normal	14	5
FCC	Stora Enso	ECO Stripe-U8 PaperTag [500054]	NXP UCODE 8	IC Facing Below		0 to 0	0 to 0	0	0	NG	NG	NG	Front	28	0
FCC	Stora Enso	ECO Stripe-U8 PaperTag [500054]	NXP UCODE 8			15 to 16	16 to 21			26	24	24	Normal	14	5
ETSI	Stora Enso	ECO Hook S-U8 PaperTag [500059]	NXP UCODE 8	IC Facing Below		17.5 to 18.5	5 to 10			40	24	24	Front	28	0
ETSI	Stora Enso	ECO Hook S-U8 PaperTag [500059]	NXP UCODE 8			12.5 to 18.5	19 to 24			25	17	14	Normal	14	5
FCC	Stora Enso	ECO Hook S-U8 PaperTag [500059]	NXP UCODE 8	IC Facing Below		12.5 to 13.5	6 to 11			45	24	24	Front	28	0
FCC	Stora Enso	ECO Hook S-U8 PaperTag [500059]	NXP UCODE 8			12.5 to 18.5	16 to 21			26	23	20	Normal	14	5
ETSI	Stora Enso	ECO Hanger S-U8 PaperTag [500063]	NXP UCODE 8	IC Facing Below		0 to 0	0 to 0	0	0	NG	NG	NG	Front	28	0
ETSI	Stora Enso	ECO Hanger S-U8 PaperTag [500063]	NXP UCODE 8			18 to 24	10 to 15			40	17	17	Normal	14	5
FCC	Stora Enso	ECO Hanger S-U8 PaperTag [500063]	NXP UCODE 8	IC Facing Below		18 to 24	10 to 15			41	18	18	Front	28	0
FCC	Stora Enso	ECO Hanger S-U8 PaperTag [500063]	NXP UCODE 8			18 to 24	11 to 16			31	12	9	Normal	14	5

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