



Product / Process Change Notification (PCN)

- ☒ Major change
☐ Minor change

PCN #: PCN_ConPSHD_20240201

Affected Series: WR-PSHD ; 6200xx11121 ; 6200xx11821
 6200xx21121 ; 6200xx21821 ; 6210xx21021
 6210xx21821 ; 6210xx21921 ; 6210xx242921
 6210xx245821 ; 6211xx284621 ; 6213xx21021
 6213xx21821 ; 6213xx21921 ; 6213xx242921
 6213xx245821 ; 6213xx284521 ; 6220xx21121
 6220xx21821 ; 6230xx21021 ; 6233xx21021
 6233xx235321 ; 6233xx235521

PCN Date: November 01, 2023

Effective Date: February 01, 2024

Change Category:

- ☒ Equipment / Location
☒ General Data
☐ Material
☐ Process
☒ Product Design
☒ Shipping / Packaging
☐ Supplier
☐ Software

Contact: Product Management

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Data Sheet Change:

- ☒ Yes ☐ No

Attachment:

- ☐ Yes ☒ No

Description and purpose of change:

To increase the production capability, Würth Elektronik will change the tooling & production line of the above - mentioned products. This implies changes in design, tolerances, specifications, layout recommendations, packaging dimensions and quantity. Aesthetics changes occurred but it does not have an impact on product functionality.

All products with Lot Nr. starting with **413** will be affected by this change.

Parts will be supplied until stock is empty.

There will be no change in function of the product.

Stacking heights when mating male & female parts can be affected.

Please check new datasheets (they will be uploaded on website before effective date) and request samples if needed in order to check if the new products fit your application.



Detail of Change:

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1. Production Line Change

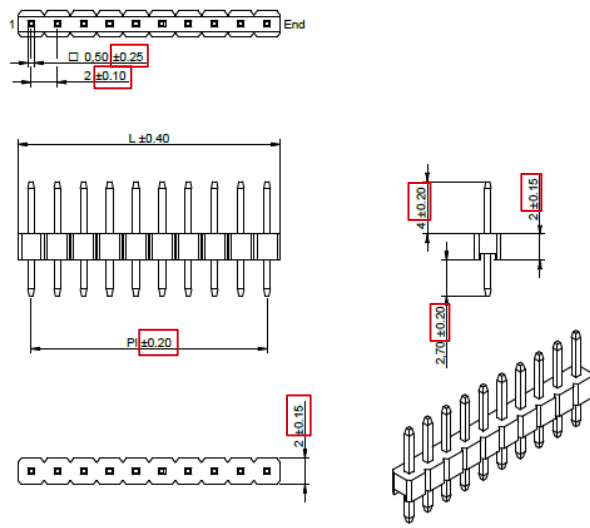
The production line can be identified by the first three digits of the lot number: **XXX** XXX XXX XXX XXX

Old production line:	New production line:
Lot number: 358 XXX XXX XXX XXX	Lot number: 413 XXX XXX XXX XXX
Country of origin on Delivery Note: China	Country of origin on Delivery Note: China

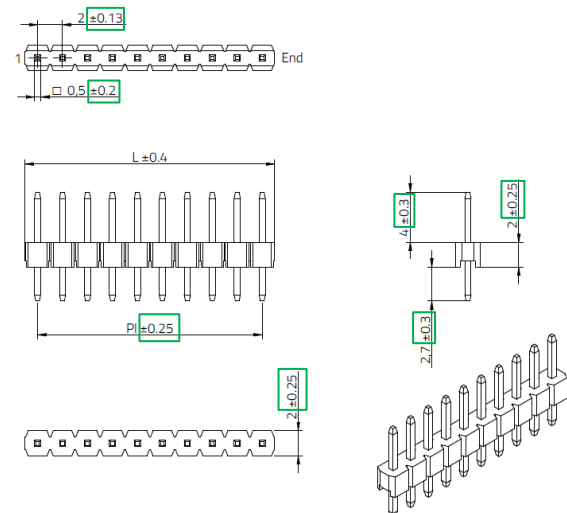
2. 6200xx11121

a. Design changes

BEFORE

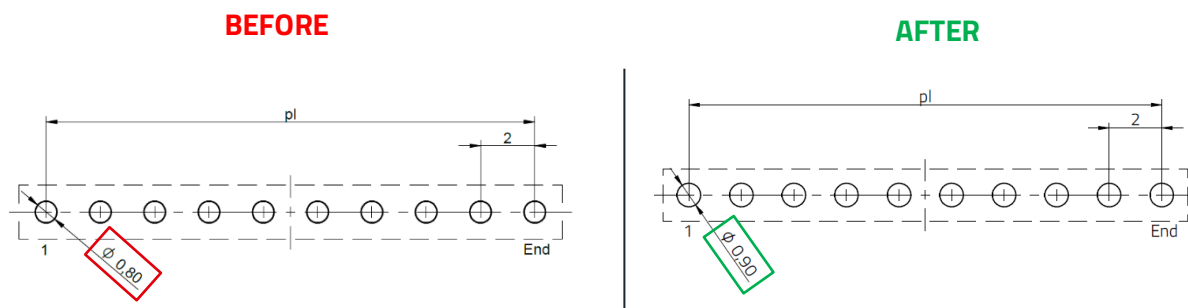


AFTER



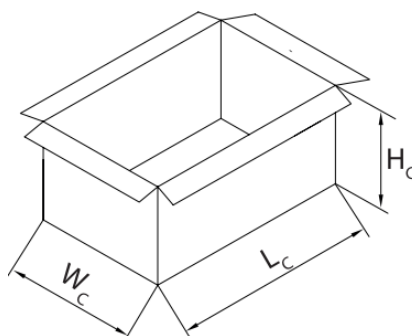
Housing's shape is slightly changing, but with no impact on the product use.

b. Recommended land pattern changes



The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

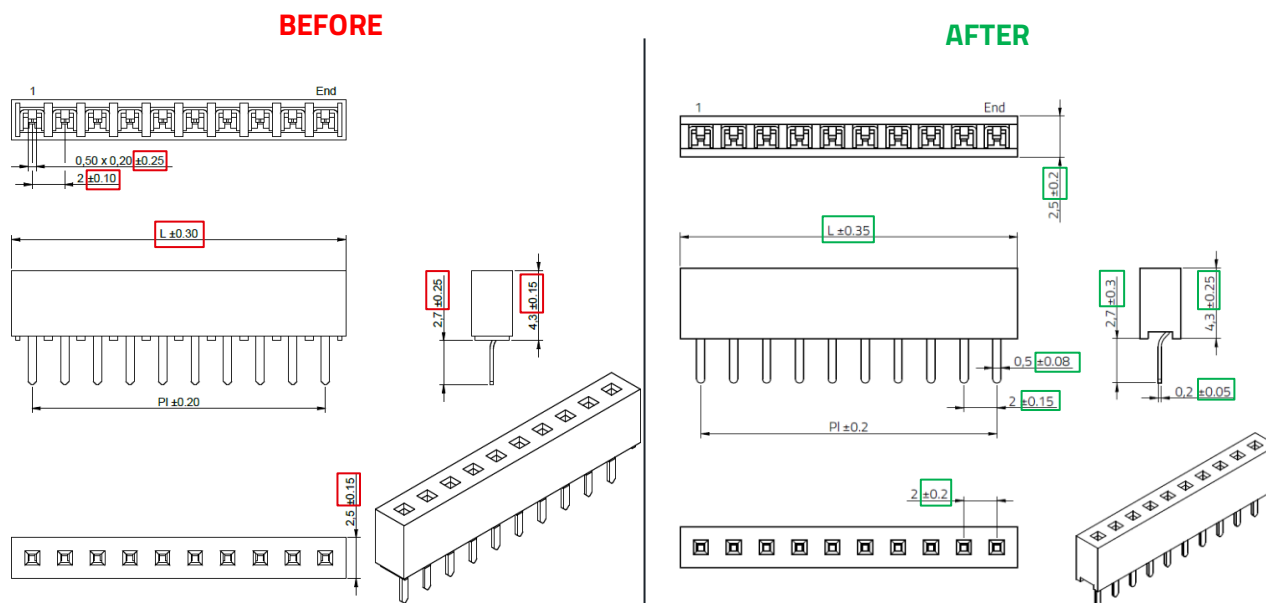
c. Packaging changes.



Carton Size change	BEFORE			AFTER		
	Lc (mm)	Wc (mm)	Hc (mm)	Lc (mm)	Wc (mm)	Hc (mm)
	400	280	280	340	340	255

3. 6200xx11821

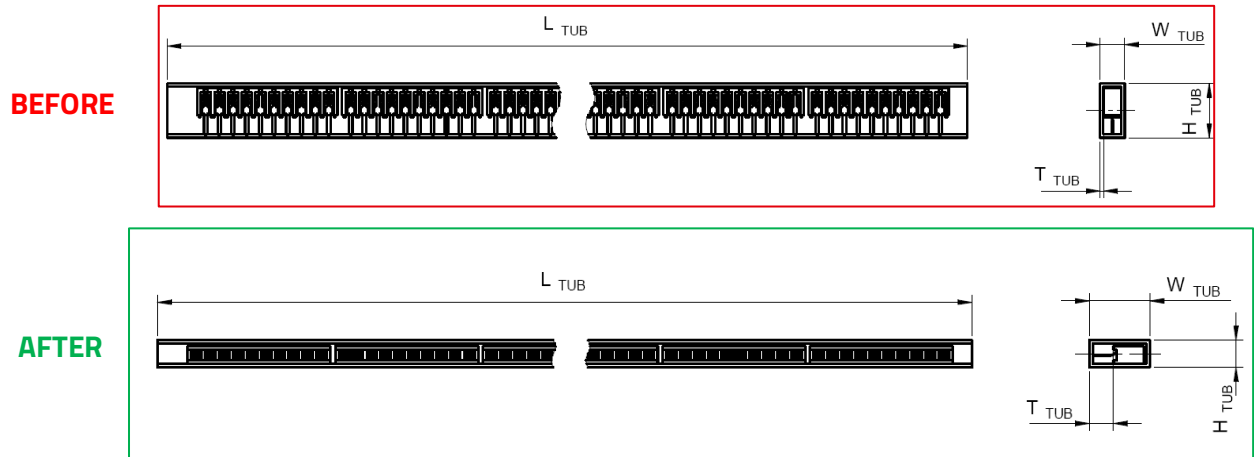
a. Design changes



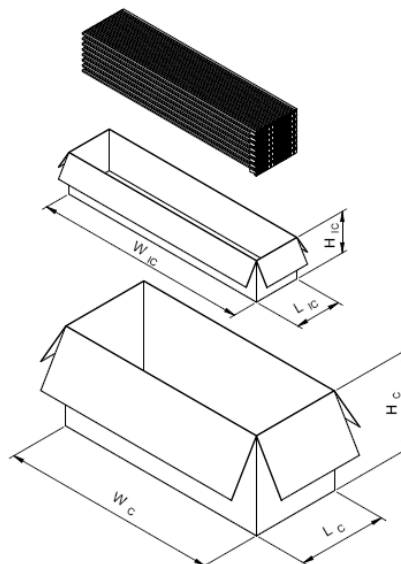
	BEFORE	AFTER
	L (mm)	
62000211821	4.5	4.4
62000411821	8.5	8.4
62000511821	10.5	10.4
62000611821	12.5	12.4
62000711821	14.5	14.4
62000811821	16.5	16.4
62000911821	18.5	18.4
62001011821	20.5	20.4
62001611821	32.5	32.4
62002011821	40.5	40.4
62003211821	64.5	64.4

Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.

b. Packaging changes

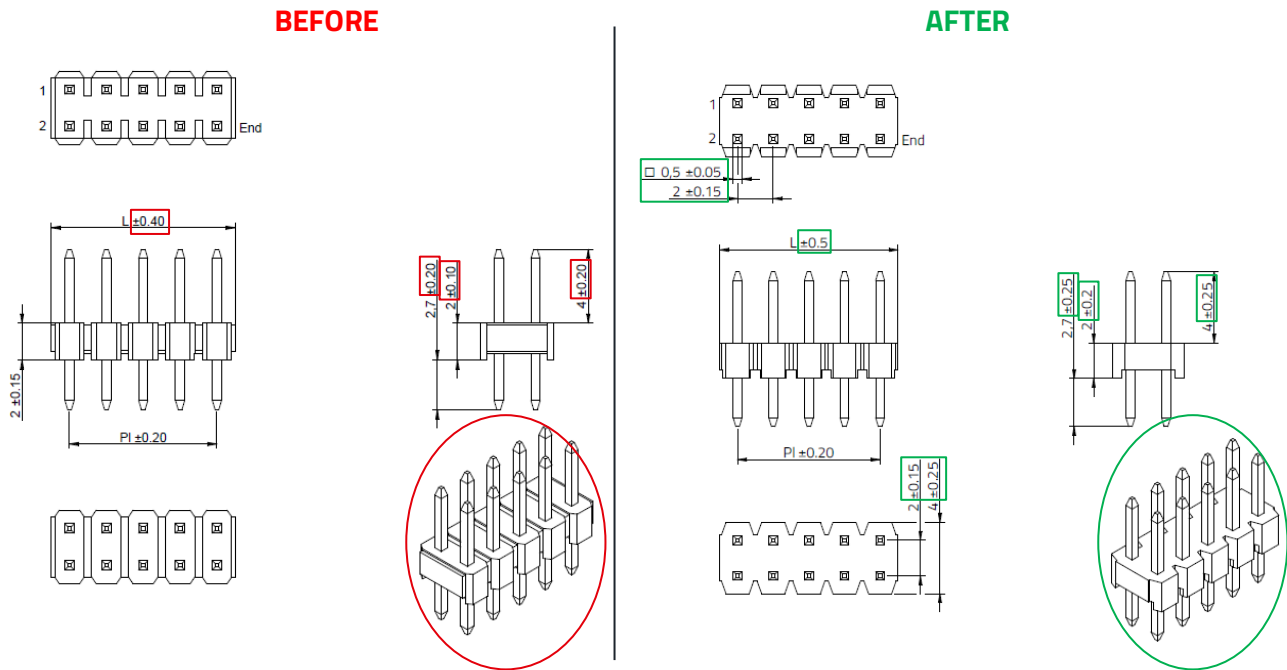


BEFORE							AFTER						
Tube dimensions (mm)				Inner carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)		
L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}	L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}
600	3.5	7.8	0.8	630	170	150	600	8.7	3.9	0.5	630	190	150



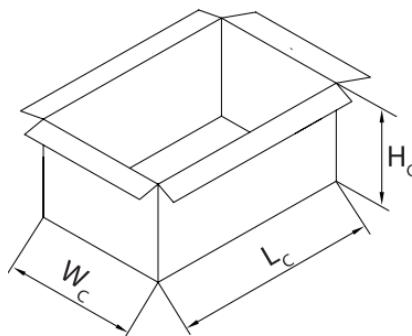
4. 6200xx21121

a. Design changes



Housing's shape is slightly changing, but with no or low impact on the product use.

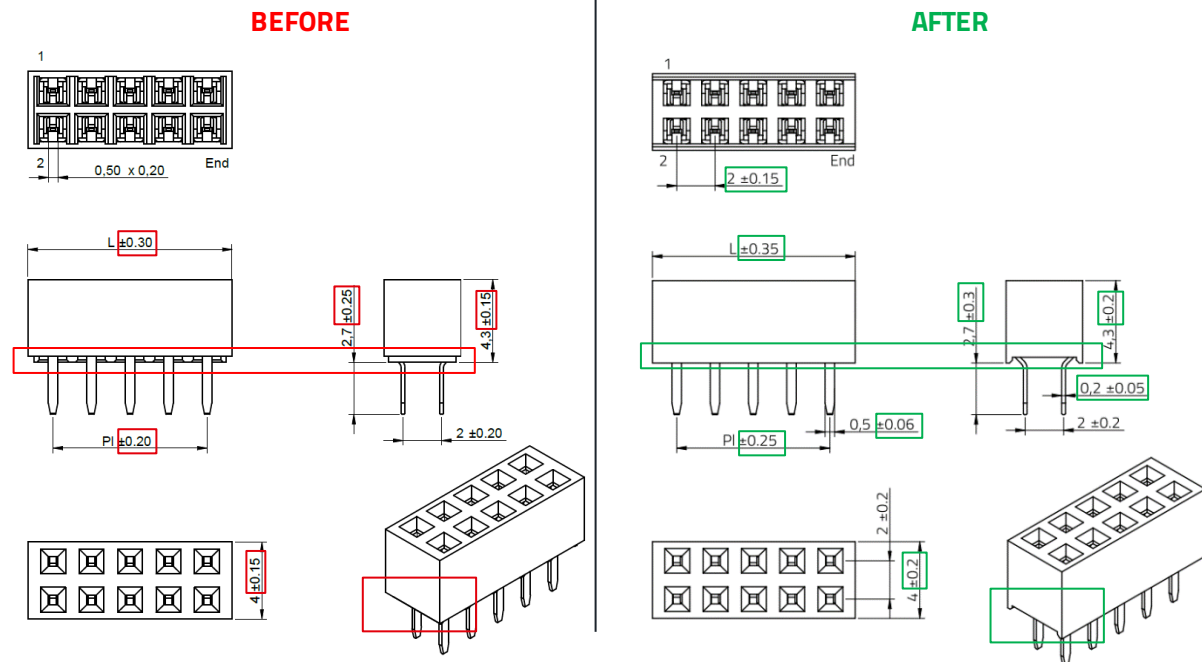
b. Packaging changes



Carton Size change	BEFORE			AFTER		
	Lc (mm)	Wc (mm)	Hc (mm)	Lc (mm)	Wc (mm)	Hc (mm)
	470	235	220	340	340	255

5. 6200xx21821

a. Design changes

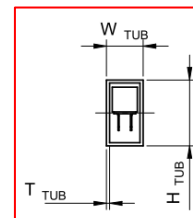
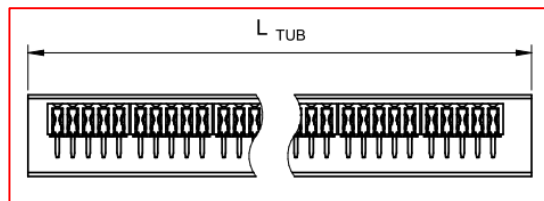


Housing's shape is slightly changing, but with no or low impact on the product use.

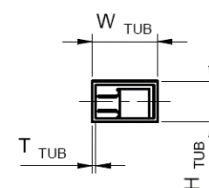
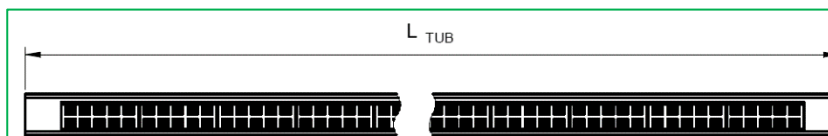
b. Packaging changes

	BEFORE		AFTER	
	Parts / tube	Carton quantity	Parts / tube	Carton quantity
62000421821	130	52000	130	93600
62000821821	67	48420	68	48960

BEFORE



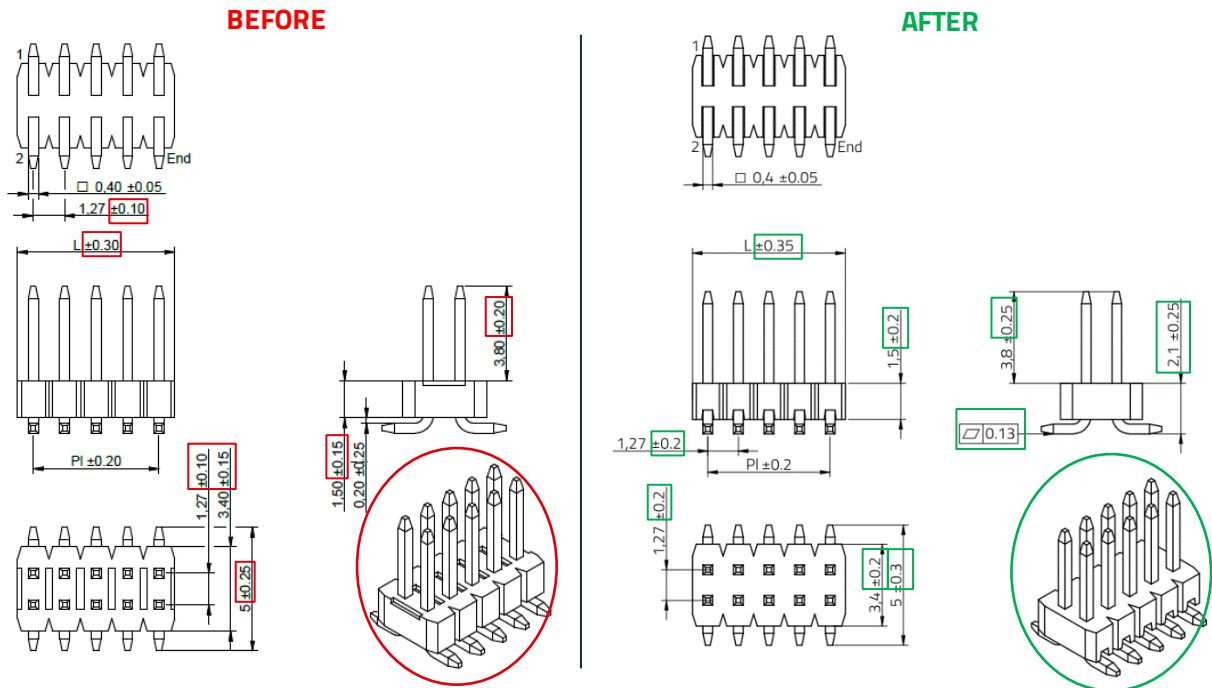
AFTER



BEFORE							AFTER						
Tube dimensions (mm)				Inner carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)		
L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}	L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}
600	3.5	7.8	0.8	630	170	150	600	8.7	3.9	0.5	630	190	150

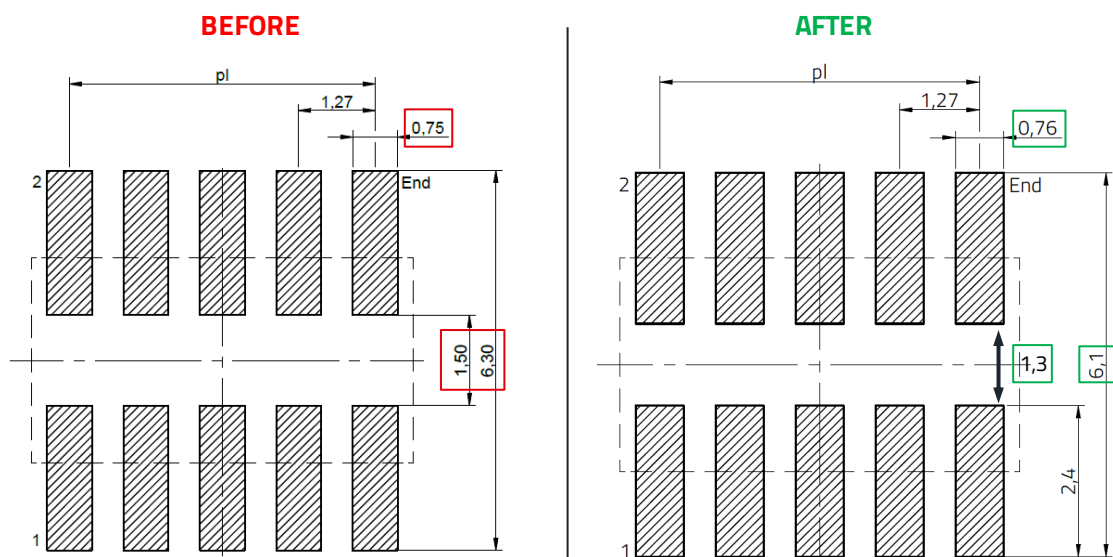
6. 6210xx21021

a. Design changes



Housing's shape is slightly changing, but with no or low impact on the product use.

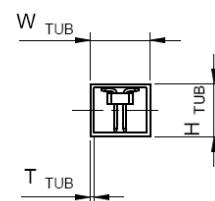
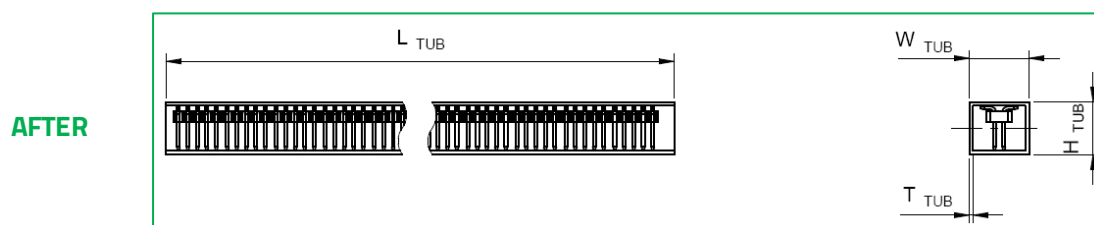
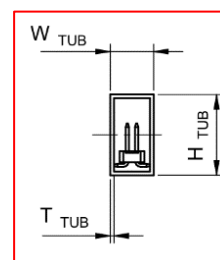
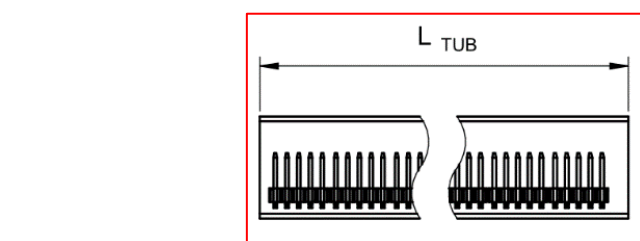
b. Recommended land pattern changes



c. Specifications changes

BEFORE		AFTER	
Withstanding Voltage (V(AC))	Insulation Resistance (MΩ)	Withstanding Voltage (V(AC))	Insulation Resistance (MΩ)
500	1000	300	500

d. Packaging changes

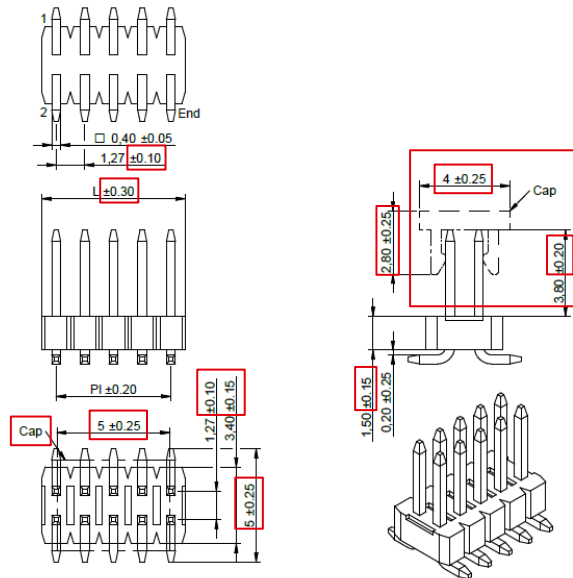


BEFORE							AFTER						
Tube dimensions (mm)				Inner carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)		
LTUB	WTUB	HTUB	TTUB	LIC	WIC	HIC	LTUB	WTUB	HTUB	TTUB	LIC	WIC	HIC
600	5.9	10.5	0.8	630	170	150	600	8	7	0.5	630	190	150

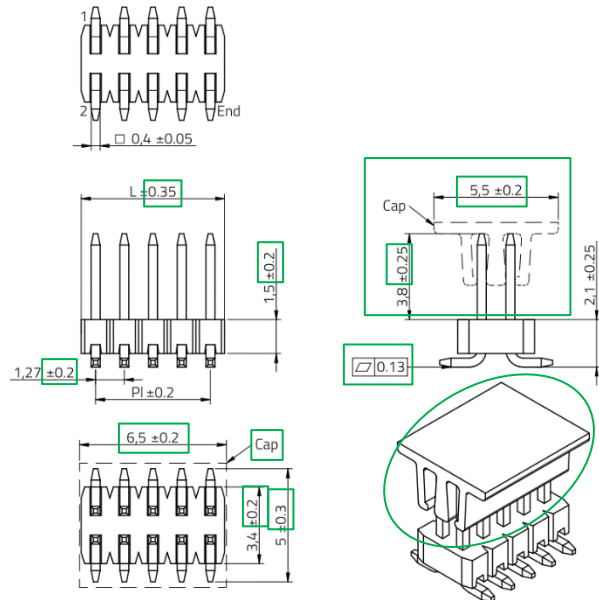
7. 6213xx21021

a. Design changes

BEFORE



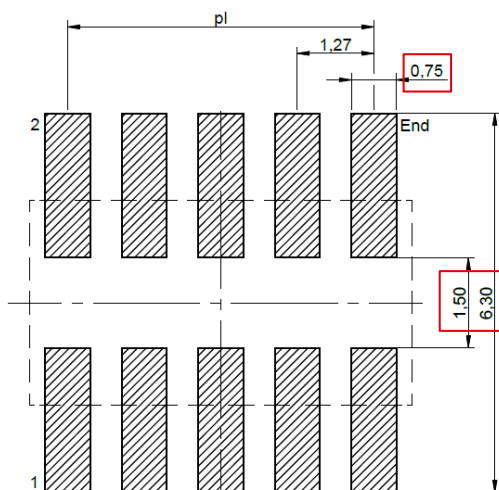
AFTER



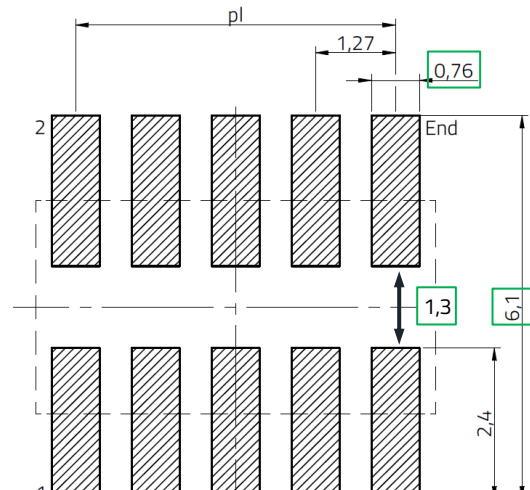
Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.
 Cap design is evolving completely.

b. Recommended land pattern changes

BEFORE



AFTER

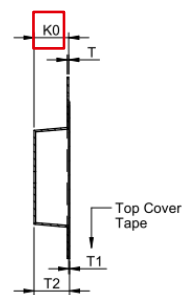
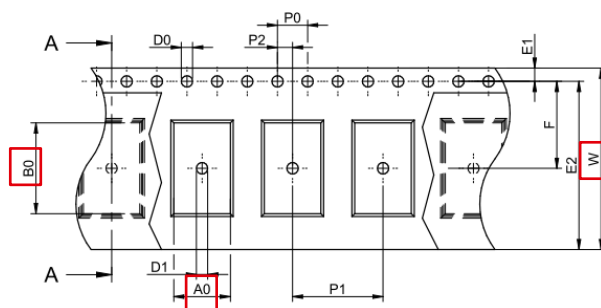


c. Specifications changes

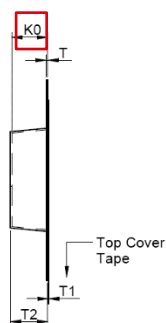
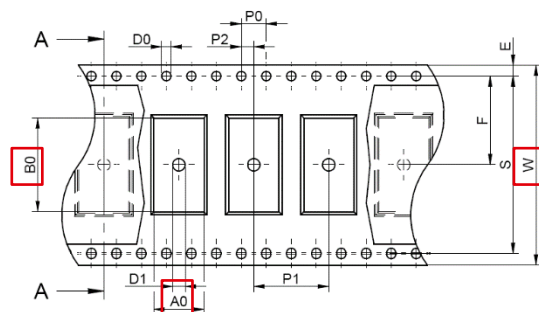
BEFORE		AFTER	
Withstanding Voltage (V(AC))	Insulation Resistance (MΩ)	Withstanding Voltage (V(AC))	Insulation Resistance (MΩ)
500	1000	300	500

d. Packaging changes

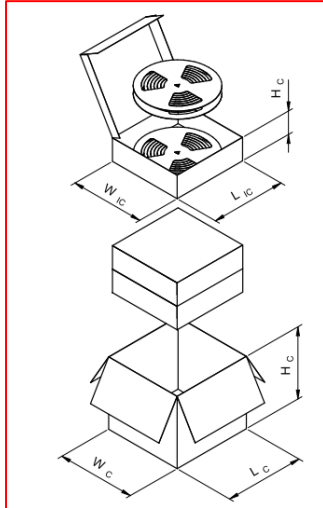
For $W \leq 24$ mm



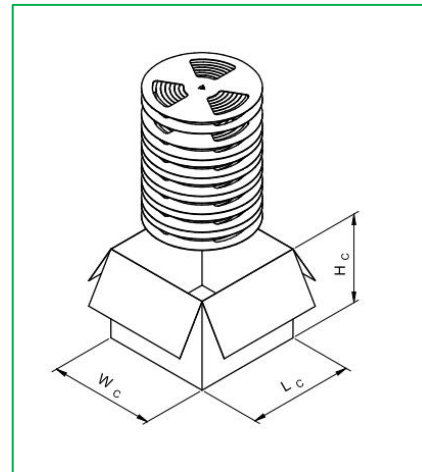
For $W > 24$ mm



BEFORE



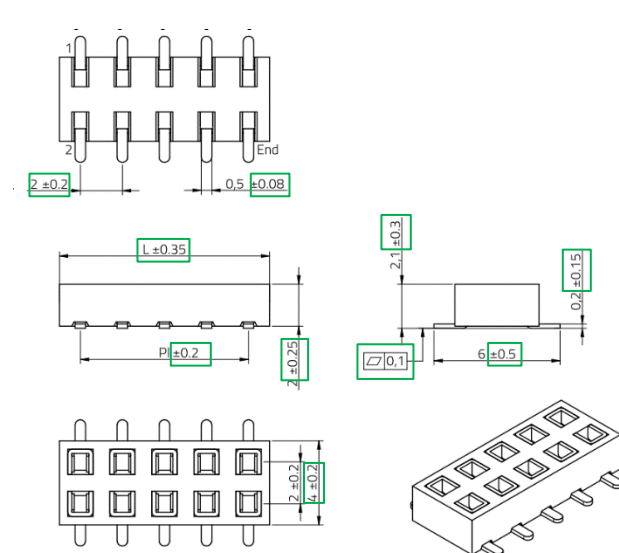
AFTER



Part numbers	BEFORE									AFTER								
	Reel dimensions (mm)				Inner carton dimensions (mm)			Carton dimensions (mm)			Reel dimensions (mm)				Inner carton dimensions (mm)	Carton dimensions (mm)		
	W	A0	B0	K0	Lic	Wic	Hic	Lc	Wc	Hc	W	A0	B0	K0		Lc	Wc	Hc
62130421021	16	5.4	3	8.7	345	340	107	365	360	330	12	5.3	2.69	7.7	No inner cartons	340	340	255
62130621021	16	5.4	4.2	8.7							16	5.3	3.96	7.7				
62130821021	16	5.4	5.5	8.7							16	5.3	5.23	7.7				
62131021021	24	5.4	6.8	8.7							16	5.3	6.5	7.7				
62131221021	24	5.4	8.1	8.7							16	5.3	7.77	7.7				
62131421021	24	5.4	9.3	8.7							24	5.3	9.04	7.7				
62131621021	24	5.4	10.6	8.7							24	5.3	10.31	7.7				
62131821021	24	5.4	13.1	8.7							24	5.3	11.58	7.7				
62132021021	32	5.4	15.7	8.7							24	5.3	12.85	7.7				
62132421021	32	5.4	16.9	8.7							32	5.3	15.39	7.7				
62132621021	32	5.4	18.2	8.7							32	5.3	16.66	7.7				
62132821021	32	5.4	22	8.7							32	5.3	17.93	7.7				
62133421021	44	5.4	25.8	8.7							44	5.3	21.74	7.7				
62134021021	44	5.4	28.4	8.7							44	5.3	25.55	7.7				
62134421021	44	5.4	32.2	8.7							44	5.3	28.09	7.7				
62135021021	56	6.4	4.4	4.6							44	5.3	31.9	7.7				

a. Design changes

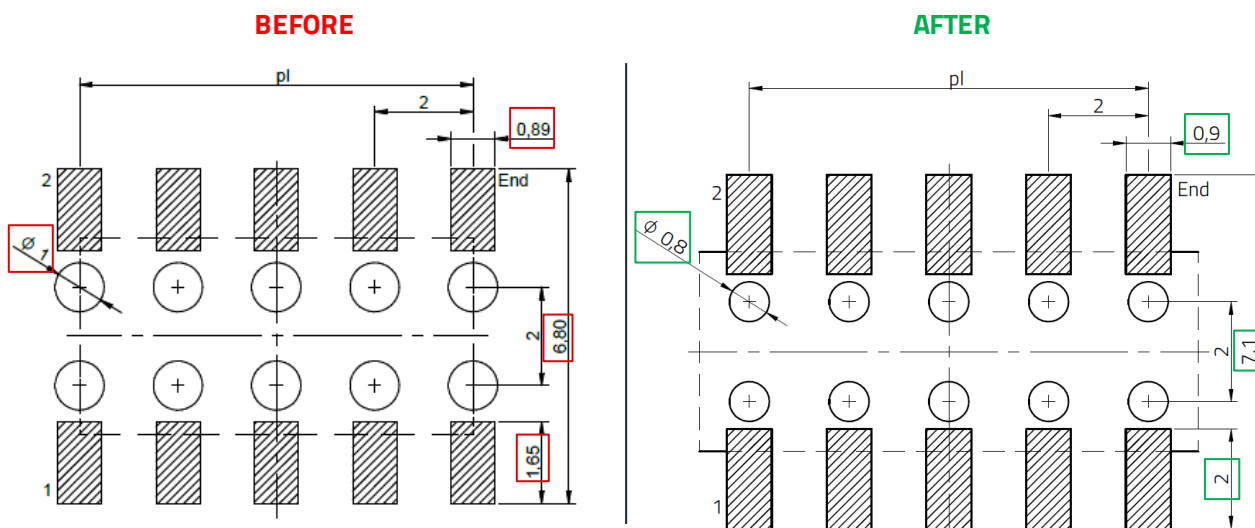
AFTER



	BEFORE	AFTER
	L (mm)	
62100421821	8	8.3
62100621821	12	12.3
62100821821	16	16.3
62101021821	20	20.3
62101221821	24	24.3
62101421821	28	28.3
62101621821	32	32.3
62101821821	36	36.3
62102021821	40	40.3
62102421821	48	48.3
62102621821	52	52.3
62102821821	56	56.3
62103221821	64	64.3
62104021821	80	80.3
62104421821	88	88.3
62105021821	100	100.3

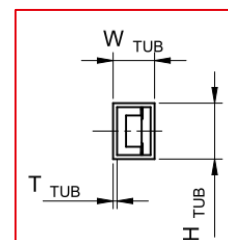
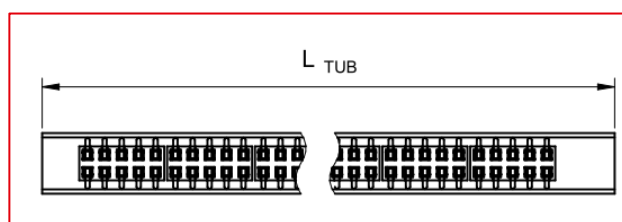
Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.

b. Recommended land pattern changes

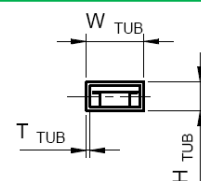
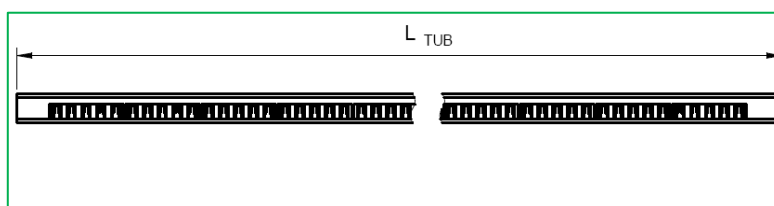


c. Packaging changes

BEFORE



AFTER

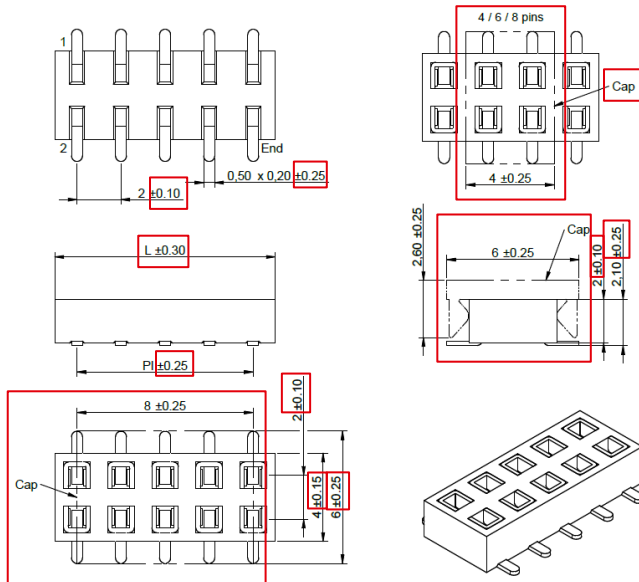


BEFORE							AFTER						
Tube dimensions (mm)				Inner carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)		
L_{TUB}	W_{TUB}	H_{TUB}	T_{TUB}	L_{IC}	W_{IC}	H_{IC}	L_{TUB}	W_{TUB}	H_{TUB}	T_{TUB}	L_{IC}	W_{IC}	H_{IC}
600	5.3	7.1	0.8	630	170	150	600	7.8	3.9	0.5	630	190	150

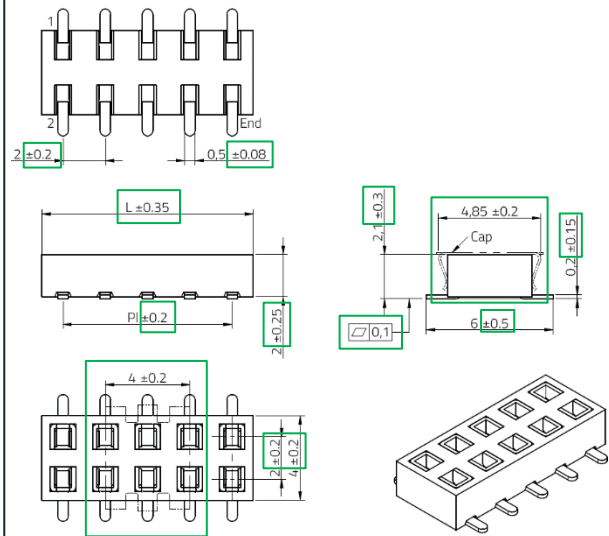
9. 6213xx21821

a. Design changes

BEFORE



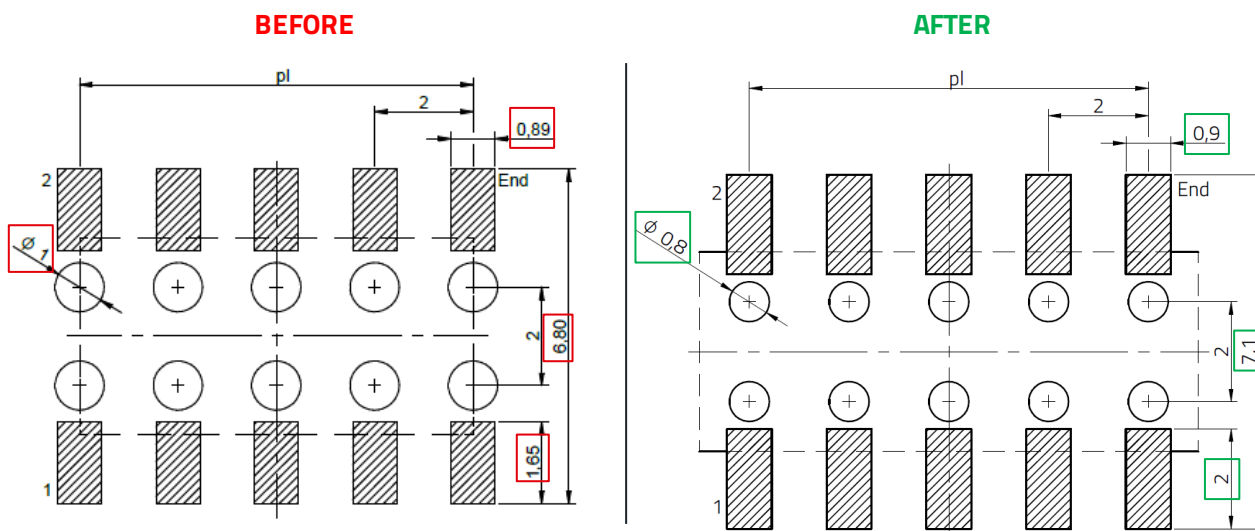
AFTER



	BEFORE	AFTER
	L (mm)	
62130421821	8	8.3
62130621821	12	12.3
62130821821	16	16.3
62131021821	20	20.3
62131221821	24	24.3
62131421821	28	28.3
62131621821	32	32.3
62131821821	36	36.3
62132021821	40	40.3
62132421821	48	48.3
62132621821	52	52.3
62132821821	56	56.3
62133221821	64	64.3
62134021821	80	80.3
62134421821	88	88.3
62135021821	100	100.3

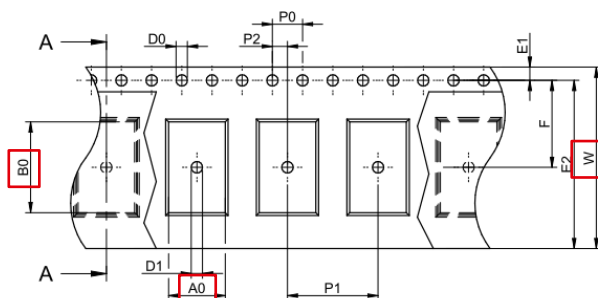
Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.
 Cap design is evolving completely.

b. Recommended land pattern changes

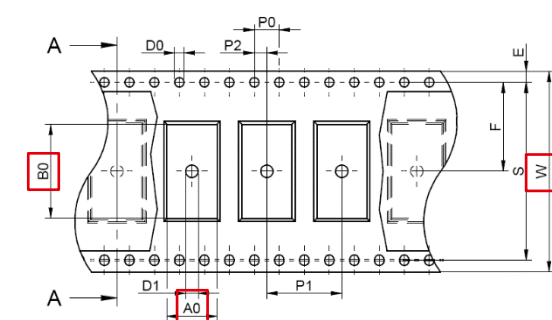


c. Packaging changes

For $W \leq 24$ mm

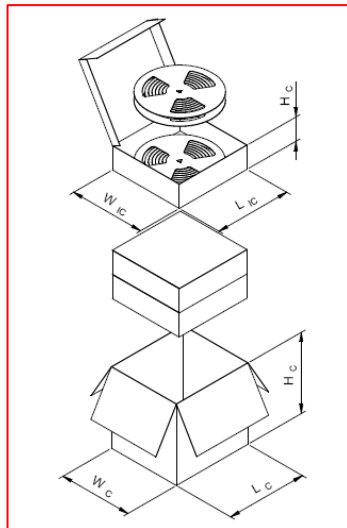


For $W > 24$ mm

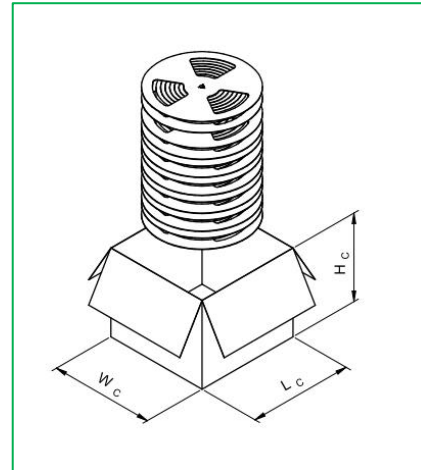


	BEFORE			AFTER		
Lengths in mm	W	A0	B0	W	A0	B0
62130421821	16	6.4	6.4	16	6.3	6.4
62130621821	16	6.4	8.35	16	6.3	8.35
62130821821	16	6.4	10.4	16	6.3	10.4
62131021821	24	6.4	12.4	24	6.3	12.4
62131221821	24	6.4	14.4	24	6.3	14.4
62131421821	24	6.4	16.4	24	6.3	16.4
62131621821	32	6.4	18.4	32	6.3	18.4
62131821821	32	6.4	20.4	32	6.3	20.4
62132021821	32	6.4	24.4	32	6.3	24.4
62132421821	44	6.4	26.4	44	6.3	26.4
62132621821	44	6.4	28.4	44	6.3	28.4
62132821821	44	6.4	32.4	44	6.3	32.4
62133221821	44	6.4	40.4	44	6.3	40.4
62134021821	56	6.4	44.4	56	6.3	44.4
62134421821	54	6.4	50.4	72	6.3	50.4
62135021821	72	6.4	6.4	72	6.3	6.4

BEFORE



AFTER

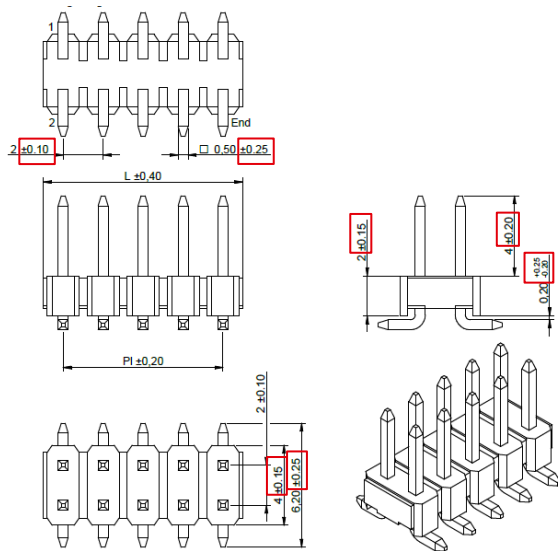


BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lic	Wic	Hic	Lc	Wc	Hc	Lic	Wic	Hic
365	330	360	345	340	107	340	340	255	No inner carton.		

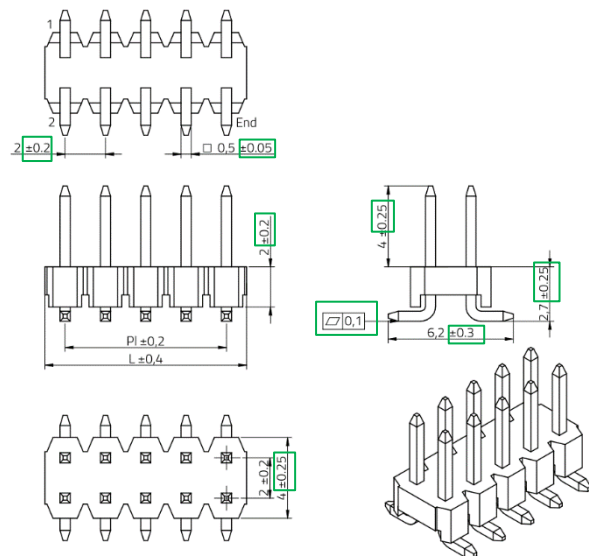
10. 6210xx21921

a. Design changes

BEFORE

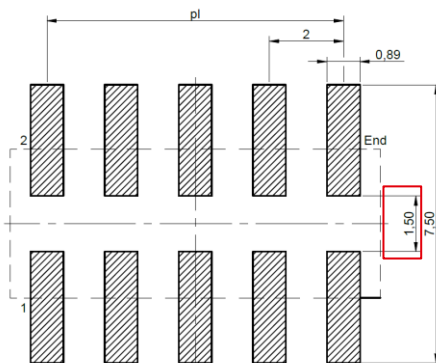


AFTER

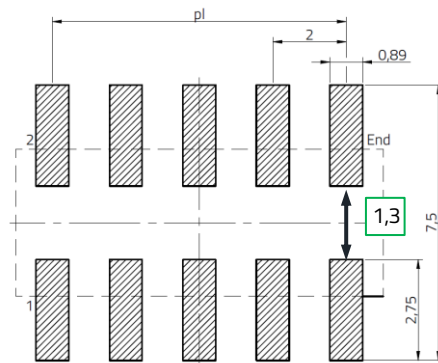


b. Recommended land pattern changes

BEFORE

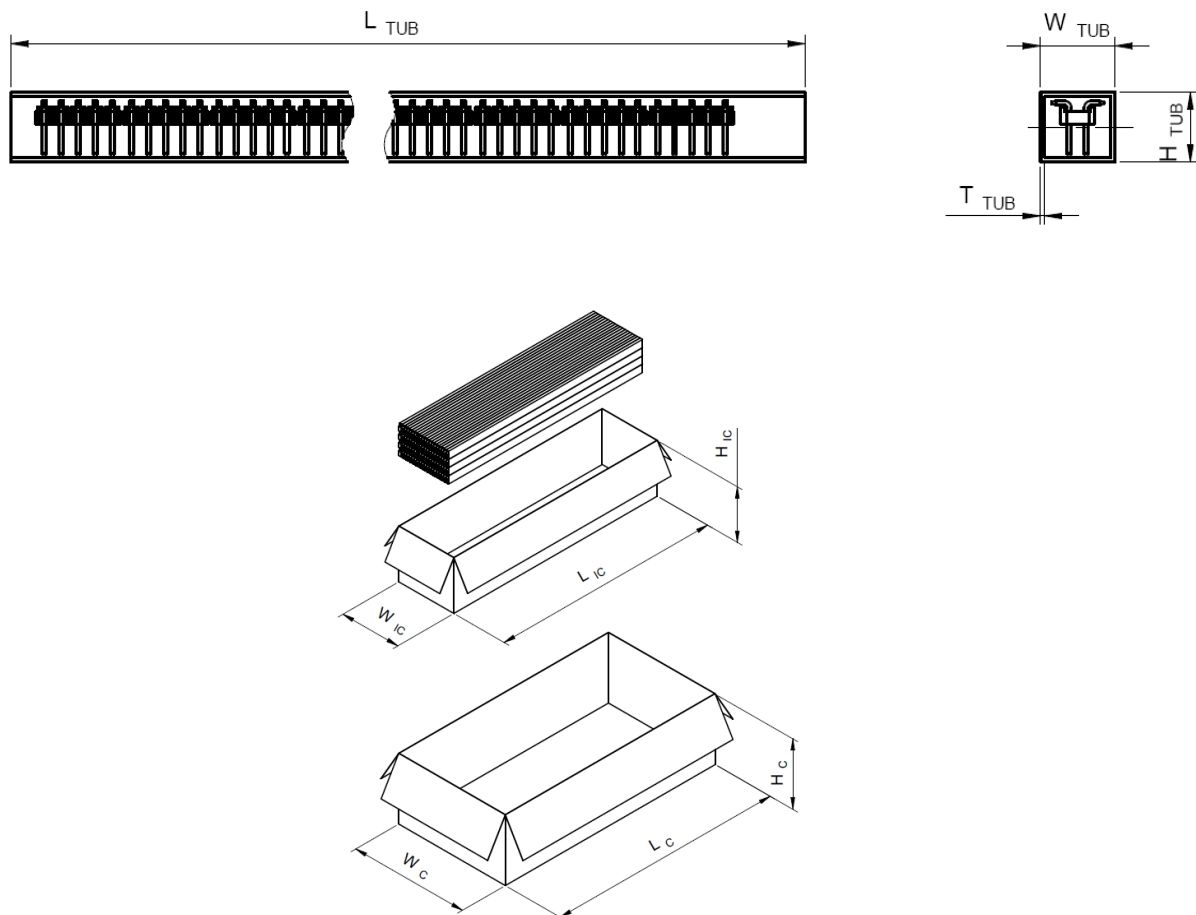


AFTER



The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

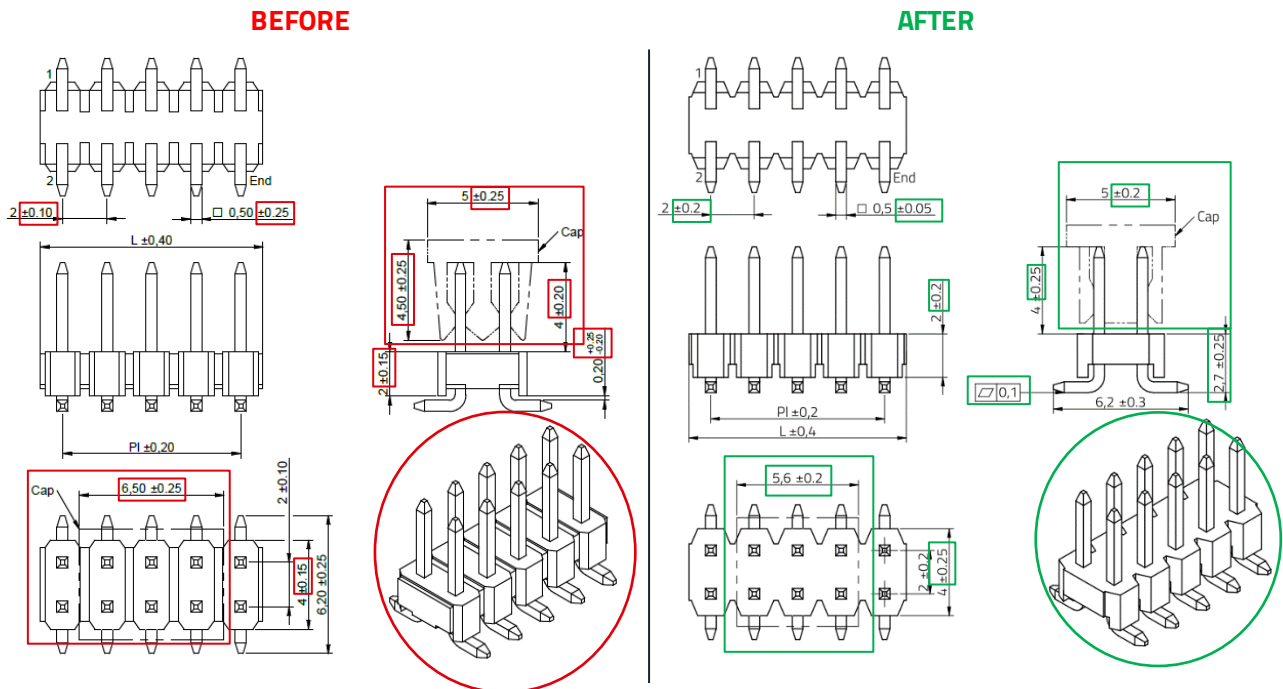
c. Packaging changes



BEFORE							AFTER						
Tube dimensions (mm)				Inner carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)		
L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}	L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}
600	7.6	22.1	0.5	630	170	150	600	8.8	8.2	0.5	630	190	150

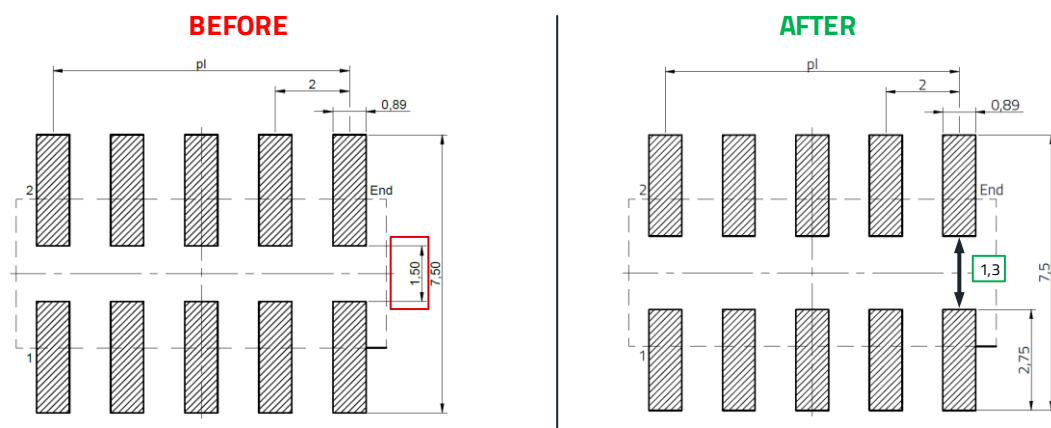
11. 6213xx21921

a. Design changes



Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.
 Cap design is evolving completely.

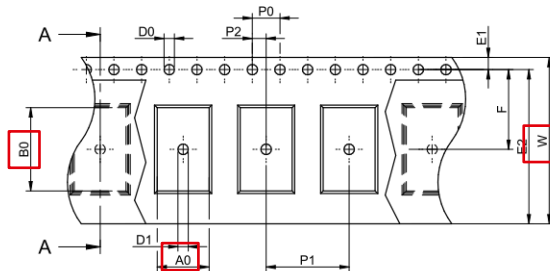
b. Recommended land pattern changes



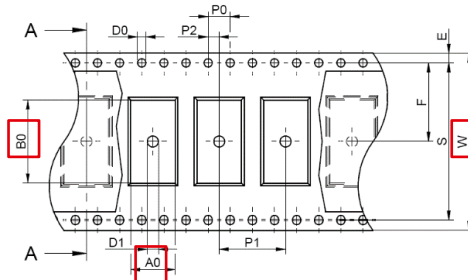
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Packaging changes

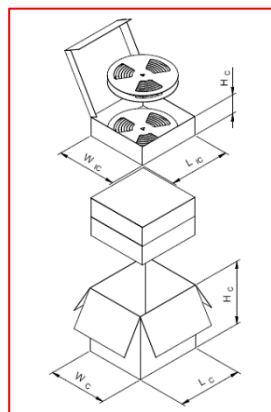
For $W \leq 24$ mm



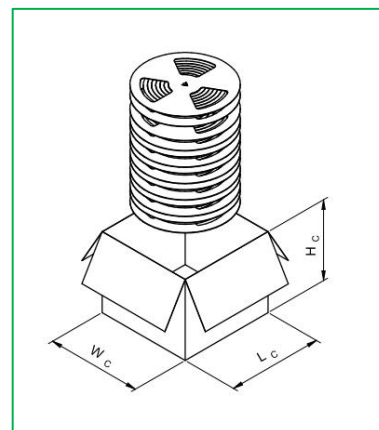
For $W > 24$ mm



BEFORE



AFTER



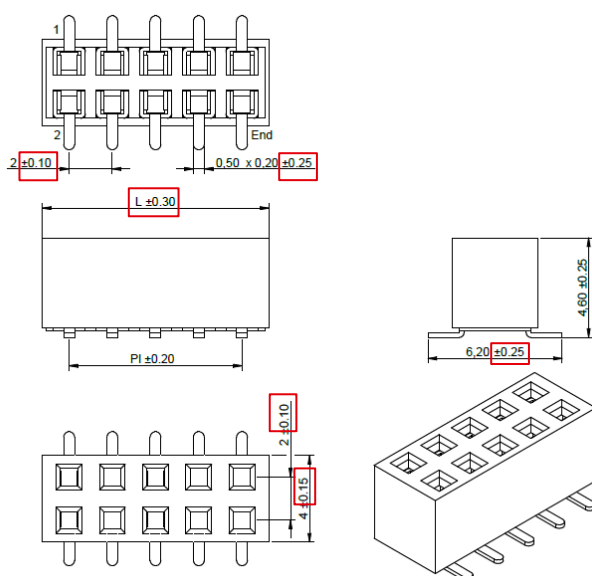
	BEFORE			AFTER		
Lengths in mm	W	A0	B0	W	A0	B0
62130421921	16	6.6	6.4	16	6.5	6.4
62130621921	24	6.6	8.35	16	6.5	8.35
62130821921	24	6.6	10.4	16	6.5	10.4
62131021921	24	6.6	12.4	24	6.5	12.4
62131221921	24	6.6	14.4	24	6.5	14.4
62131421921	24	6.6	16.4	24	6.5	16.4
62131621921	32	6.6	18.4	24	6.5	18.4
62131821921	32	6.6	20.4	32	6.5	20.4
62132021921	44	6.6	24.4	44	6.5	24.4
62132221921	44	6.6	26.4	44	6.5	26.4
62132421921	44	6.6	28.4	44	6.5	28.4
62133221921	56	6.6	32.4	44	6.5	32.4
62134021921	56	6.6	40.4	56	6.5	40.4
62134421921	72	6.6	44.4	72	6.5	44.4

BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lc	Wc	Hc	Lc	Wc	Hc	Lc	Wc	Hc
365	330	360	345	340	107	340	340	255	No inner carton.		

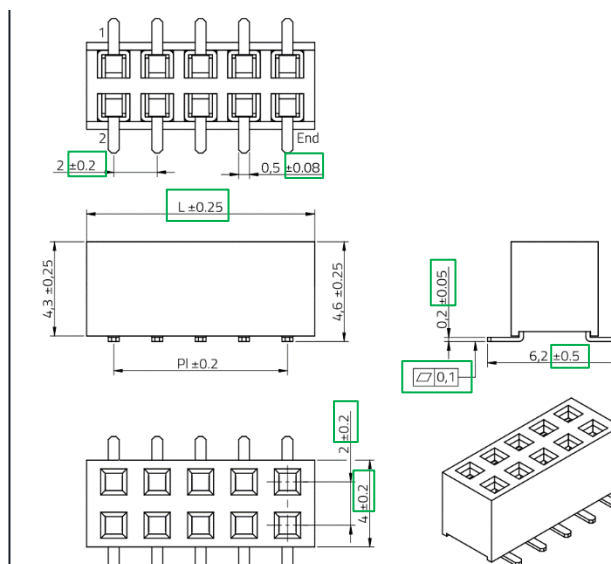
12. 6210xx242921

a. Design changes

BEFORE



AFTER

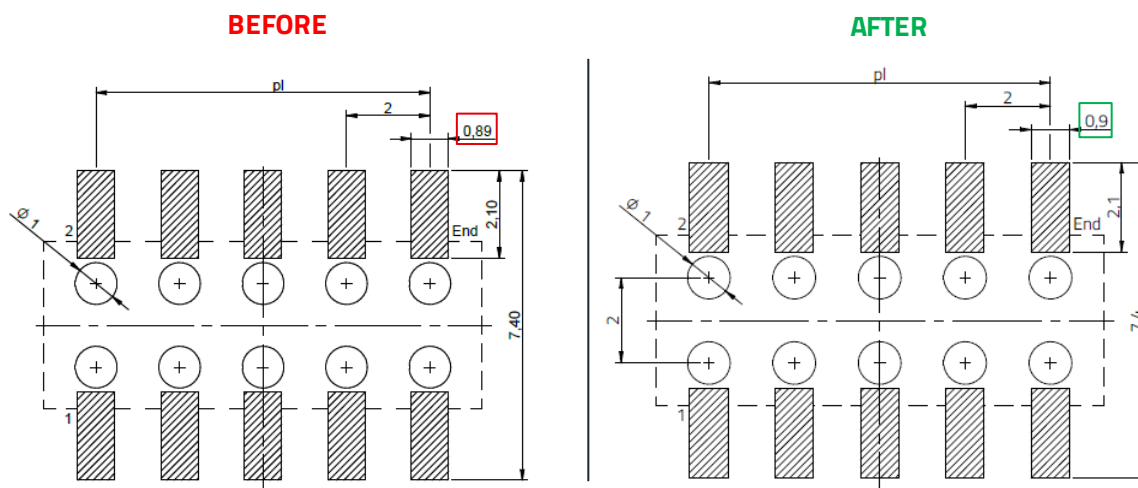


	BEFORE	AFTER
	L (mm)	
621004242921	4.6	4.4
621006242921	6.6	6.4
621008242921	8.6	8.4
621010242921	10.6	10.4
621012242921	12.6	12.4
621014242921	14.6	14.4
621016242921	16.6	16.4
621018242921	18.6	18.4
621020242921	20.6	20.4
621022242921	22.6	22.4
621024242921	24.6	24.4
621026242921	26.6	26.4
621028242921	28.6	28.4
621030242921	30.6	30.4
621032242921	32.6	32.4
621034242921	34.6	34.4
621036242921	36.6	36.4
621038242921	38.6	38.4
621040242921	40.6	40.4

	BEFORE	AFTER
	L (mm)	
621042242921	42.6	42.4
621044242921	44.6	44.4
621046242921	46.6	46.4
621048242921	48.6	48.4
621050242921	50.6	50.4
621052242921	52.6	52.4
621054242921	54.6	54.4
621056242921	56.6	56.4
621058242921	58.6	58.4
621060242921	60.6	60.4
621062242921	62.6	62.4
621064242921	64.6	64.4
621066242921	66.6	66.4
621068242921	68.6	68.4
621070242921	70.6	70.4
621072242921	72.6	72.4
621074242921	74.6	74.4
621076242921	76.6	76.4
621078242921	78.6	78.4
621080242921	80.6	80.4

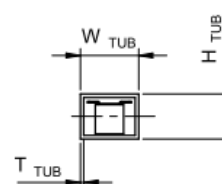
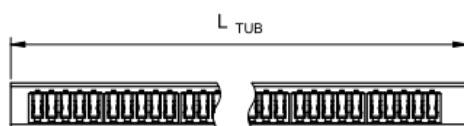
Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.

b. Recommended land pattern changes



The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Packaging changes

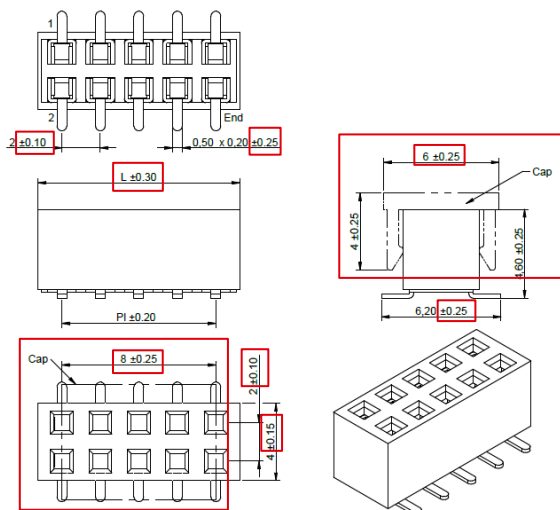


BEFORE							AFTER						
Tube dimensions (mm)				Inner carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)		
L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}	L _{TUB}	W _{TUB}	H _{TUB}	T _{TUB}	L _{IC}	W _{IC}	H _{IC}
600	8.3	6.4	0.8	630	170	150	600	8.2	6.6	0.5	630	190	150

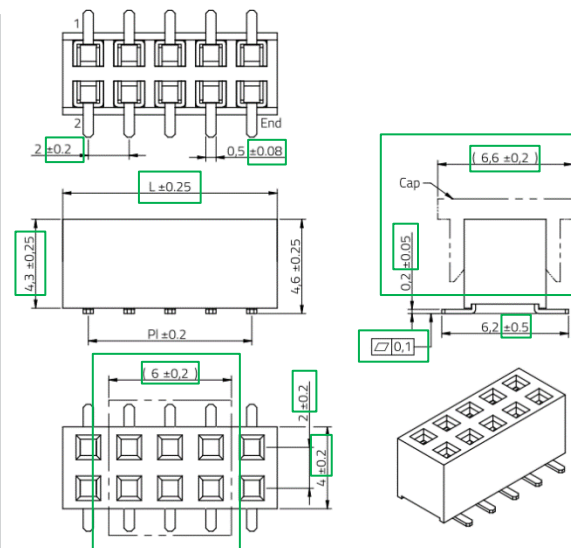
13. 6213xx242921

a. Design changes

BEFORE



AFTER

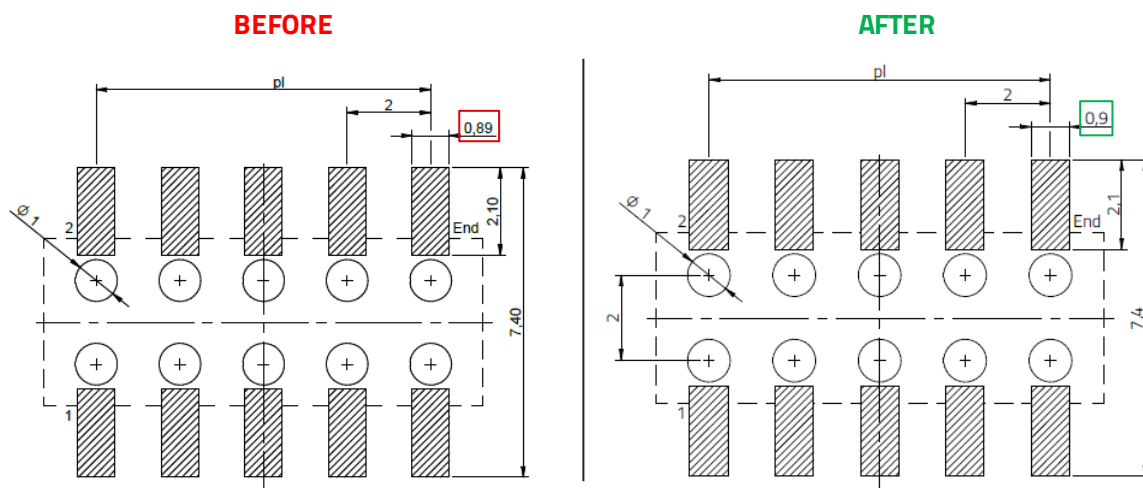


	BEFORE	AFTER
	L (mm)	
621304242921	4.6	4.4
621306242921	6.6	6.4
621308242921	8.6	8.4
621310242921	10.6	10.4
621312242921	12.6	12.4
621314242921	14.6	14.4
621316242921	16.6	16.4
621318242921	18.6	18.4
621320242921	20.6	20.4
621322242921	22.6	22.4
621324242921	24.6	24.4
621326242921	26.6	26.4
621328242921	28.6	28.4
621330242921	30.6	30.4
621332242921	32.6	32.4
621334242921	34.6	34.4
621336242921	36.6	36.4
621338242921	38.6	38.4
621340242921	40.6	40.4

	BEFORE	AFTER
	L (mm)	
621342242921	42.6	42.4
621344242921	44.6	44.4
621346242921	46.6	46.4
621348242921	48.6	48.4
621350242921	50.6	50.4
621352242921	52.6	52.4
621354242921	54.6	54.4
621356242921	56.6	56.4
621358242921	58.6	58.4
621360242921	60.6	60.4
621362242921	62.6	62.4
621364242921	64.6	64.4
621366242921	66.6	66.4
621368242921	68.6	68.4
621370242921	70.6	70.4
621372242921	72.6	72.4
621374242921	74.6	74.4
621376242921	76.6	76.4
621378242921	78.6	78.4
621380242921	80.6	80.4

Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.
Cap design is evolving completely.

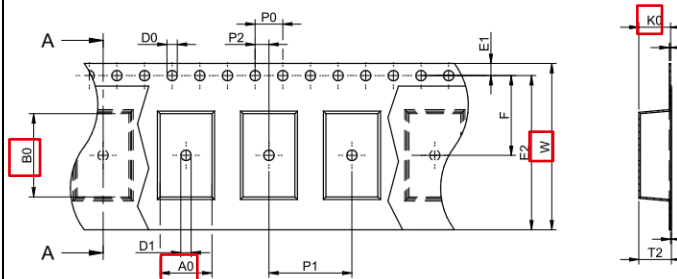
b. Recommended land pattern changes



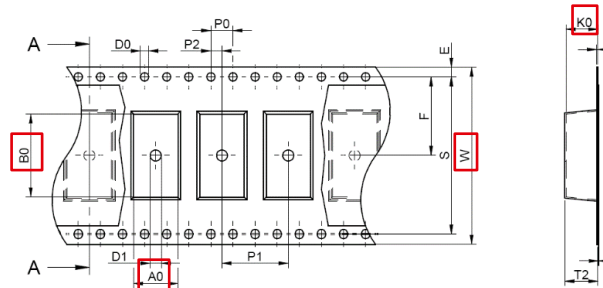
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Packaging changes

For $W \leq 24$ mm

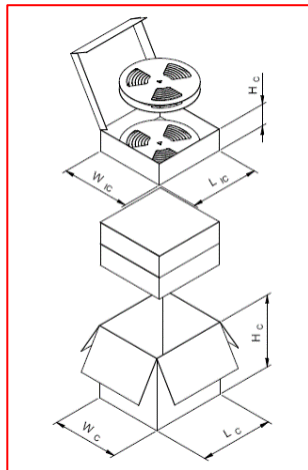


For $W > 24$ mm

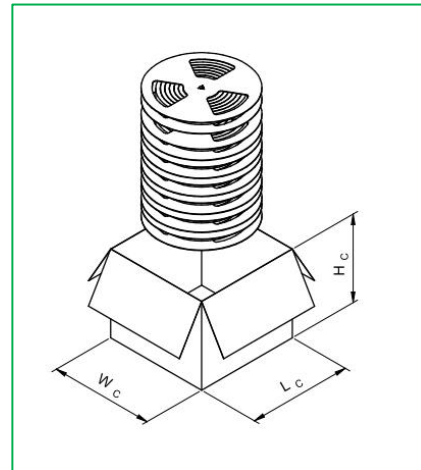


Lengths in mm	BEFORE				AFTER			
	W	A0	B0	K0	W	A0	B0	K0
62130424292 1	24	6.6	4.3	6.7	16	6.5	8.4	6.9
62130624292 1	24	6.6	6.3	6.7	16	6.5	8.8	6.9
62130824292 1	24	6.6	8.3	6.7	16	6.5	9	6.9
62131024292 1	24	6.6	10.3	6.7	24	6.5	11	6.9
62131224292 1	24	6.6	12.3	6.7	24	6.5	13	6.9
62131424292 1	32	6.6	14.3	6.7	24	6.5	15	6.9
62131624292 1	32	6.6	16.3	6.7	32	6.5	17	6.9
62131824292 1	32	6.6	18.3	6.7	32	6.5	17	6.9
62132024292 1	44	6.6	20.3	6.7	32	6.5	21	6.9
62132224292 1	44	6.6	22.3	6.7	44	6.5	22.9	6.9
62132424292 1	44	6.6	24.3	6.7	44	6.5	25	6.9
62132624292 1	44	6.6	26.3	6.7	44	6.5	26.8	6.9
62132824292 1	44	6.6	28.3	6.7	44	6.5	29	6.9
62133024292 1	44	6.6	30.3	6.7	44	6.5	30.9	6.9
62133224292 1	56	6.6	32.3	6.7	44	6.5	33	6.9
62133424292 1	56	6.6	34.3	6.7	56	6.5	35	6.9
62133624292 1	56	6.6	36.3	6.7	56	6.5	37	6.9
62133824292 1	56	6.6	38.3	6.7	56	6.5	39	6.9
62134024292 1	56	6.6	40.3	6.7	56	6.5	40.9	6.9
62134224292 1	56	6.6	42.3	6.7	56	6.5	43	6.9
62134424292 1	72	6.6	44.3	6.7	72	6.5	45	6.9
62134624292 1	72	6.6	46.3	6.7	72	6.5	47	6.9
62134824292 1	72	6.6	48.3	6.7	72	6.5	49	6.9
62135024292 1	72	6.6	50.3	6.7	72	6.5	51.2	6.9
62135224292 1	72	6.6	52.3	6.7	72	6.5	53	6.9
62135424292 1	72	6.6	54.3	6.7	72	6.5	55	6.9
62135624292 1	72	6.6	56.3	6.7	72	6.5	57	6.9
62135824292 1	72	6.6	58.3	6.7	72	6.5	59	6.9
62136024292 1	88	6.6	60.4	6.7	88	6.5	61	6.9
62136224292 1	88	6.6	62.4	6.7	88	6.5	63	6.9
62136424292 1	88	6.6	64.4	6.7	88	6.5	65	6.9
62136624292 1	88	6.6	66.4	6.7	88	6.5	67	6.9
62136824292 1	88	6.6	68.4	6.7	88	6.5	69	6.9
62137024292 1	88	6.6	70.4	6.7	88	6.5	71	6.9

BEFORE



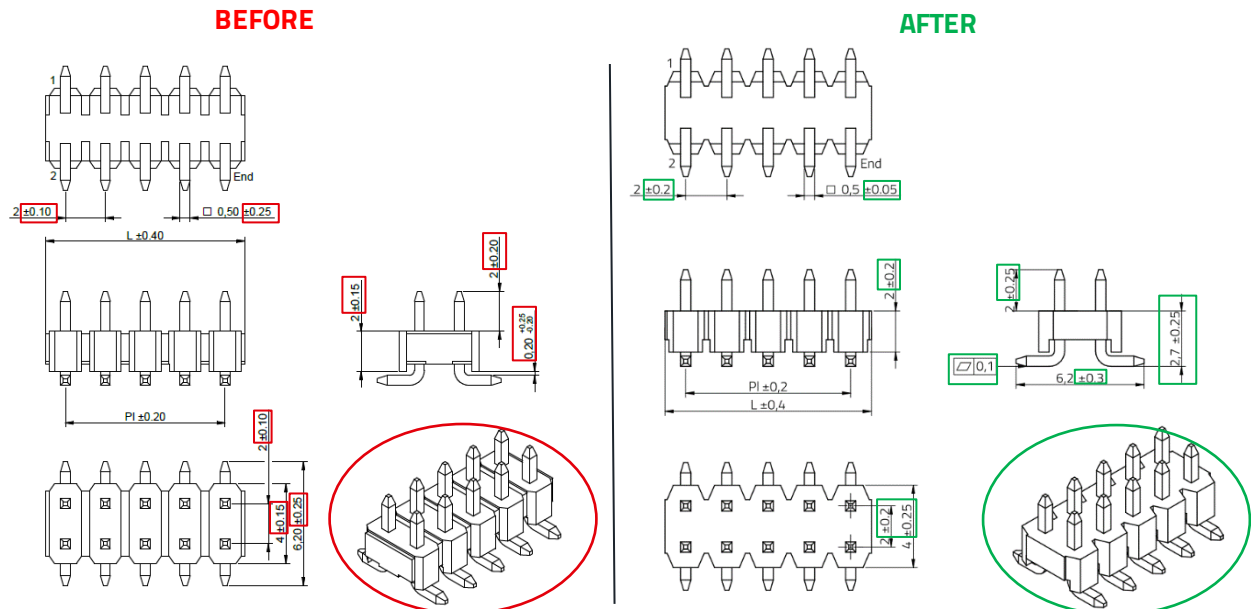
AFTER



BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lic	Wic	Hic	Lc	Wc	Hc	Lic	Wic	Hic
365	330	360	345	340	107	340	340	255	No inner carton.		

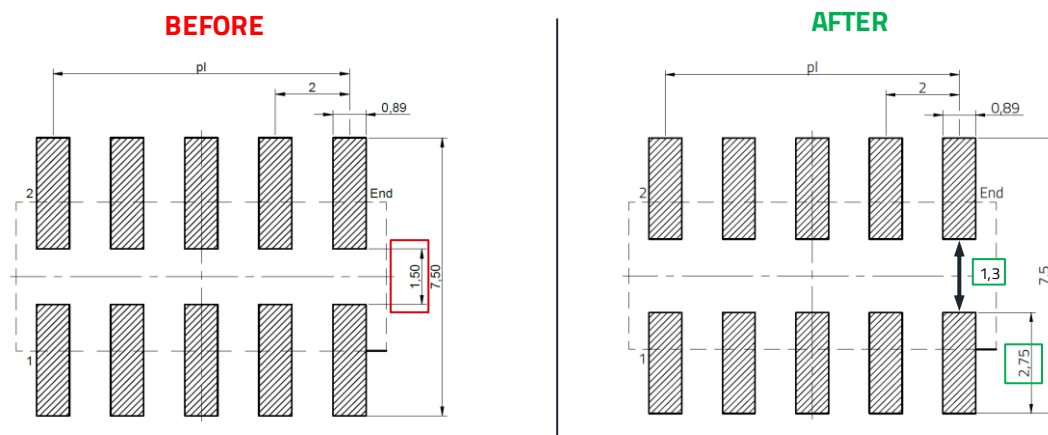
14. 6210xx245821

a. Design changes



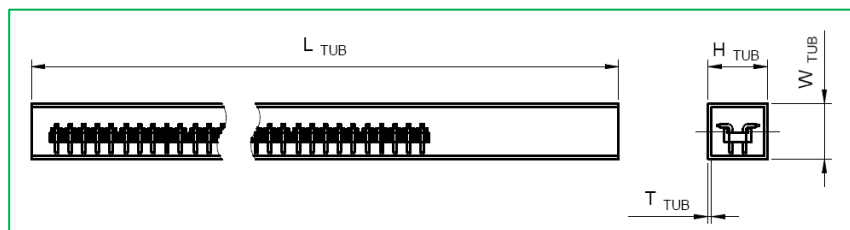
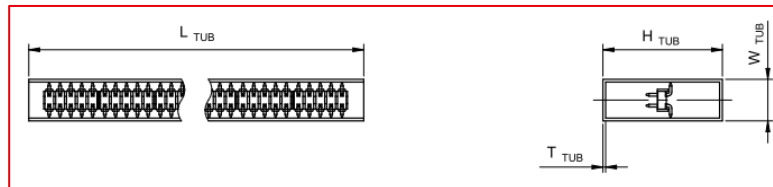
Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.

b. Recommended land pattern changes

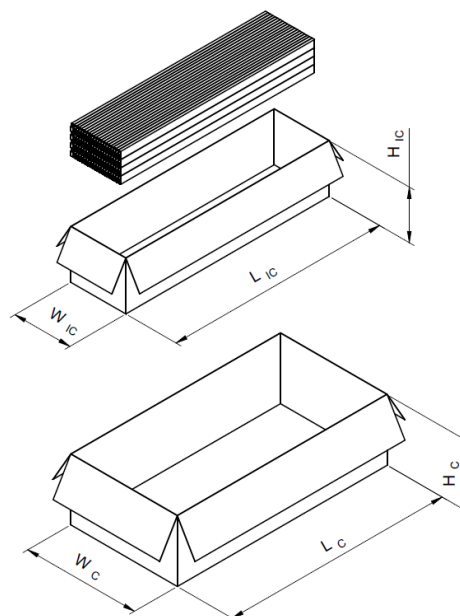


The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Packaging changes

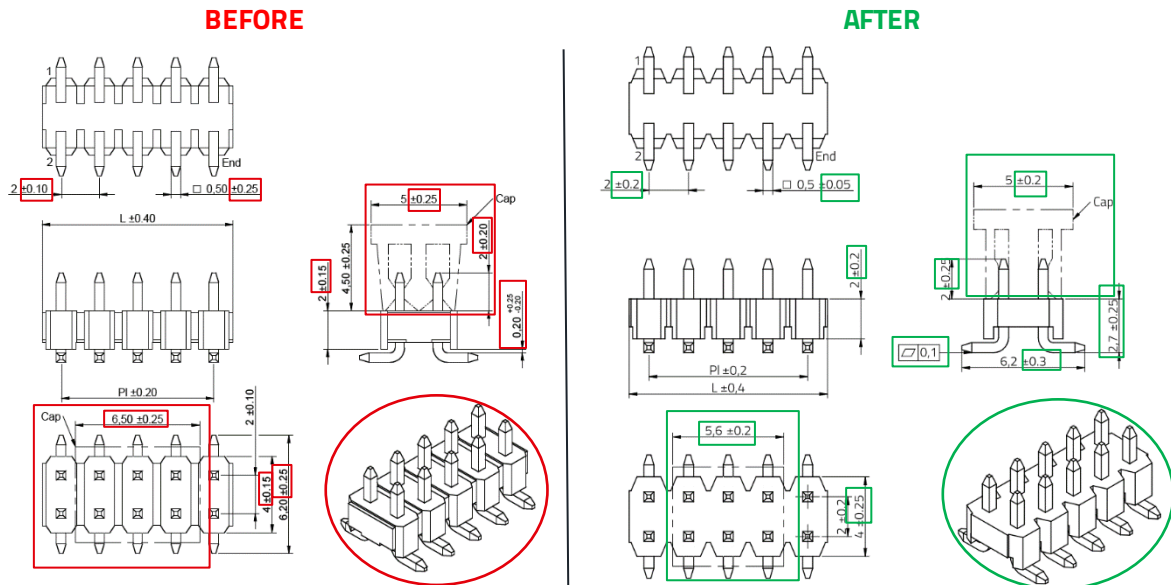


BEFORE										AFTER									
Tube dimensions (mm)				Inner carton dimensions (mm)			Carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)			Carton dimensions (mm)		
LTUB	WTUB	HTUB	TTUB	Lic	Wic	Hic	Lc	Wc	Hc	LTUB	WTUB	HTUB	TTUB	Lic	Wic	Hic	Lc	Wc	Hc
600	7.6	22	0.8	X	X	X	650	140	125	630	8.2	8.8	0.5	630	190	150	650	330	190



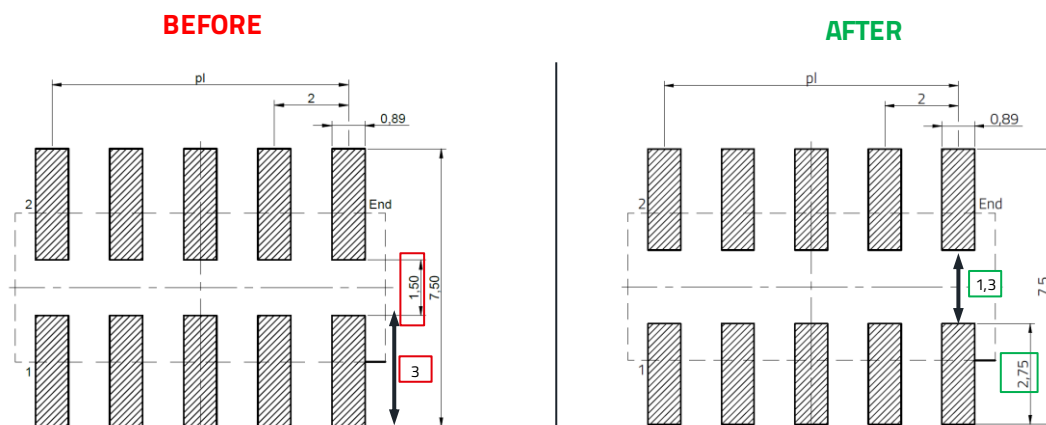
15. 6213xx245821

a. Design changes



Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.
 Cap design is evolving completely.

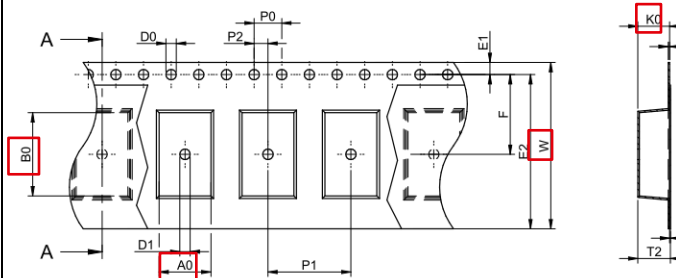
b. Recommended land pattern changes



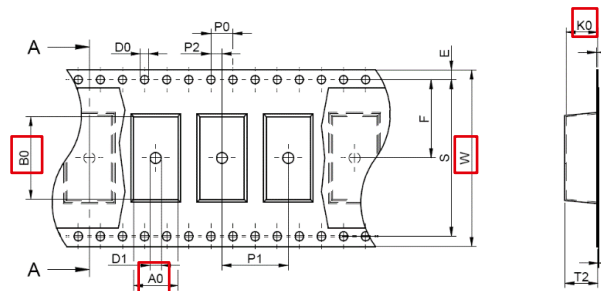
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Packaging changes

For $W \leq 24$ mm

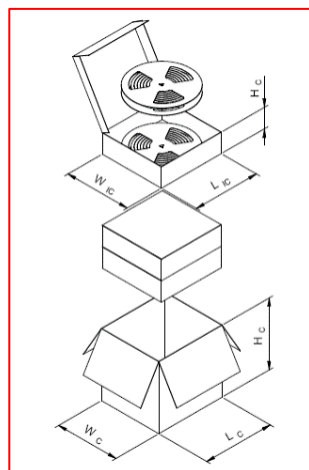


For $W > 24$ mm

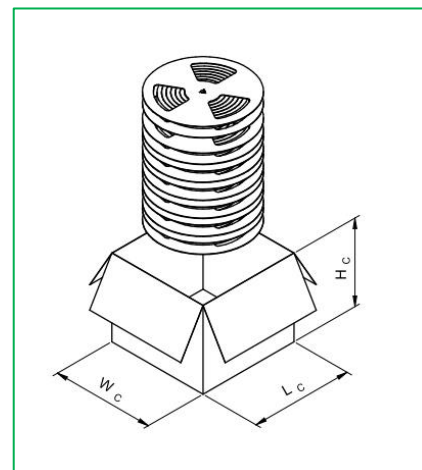


	BEFORE				AFTER			
Lengths in mm	W	A0	B0	K0	W	A0	B0	K0
62130424582 1	16	6.6	6.5	9.2	16	6.5	4.4	8.2
62130624582 1	24	6.6	8.4	9.2	16	6.5	6.5	8.2
62130824582 1	24	6.6	10.4	9.2	16	6.5	8.08	8.2
62131024582 1	24	6.6	14.4	9.2	24	6.5	10.4	8.2
62131424582 1	32	6.6	16.4	9.2	24	6.5	14.4	8.2
62131624582 1	32	6.6	20.4	9.2	24	6.5	16.4	8.2
62132024582 1	44	6.6	24.4	9.2	32	6.5	20.4	8.2
62132424582 1	44	6.6	4.8	9.2	32	6.5	24.4	8.2

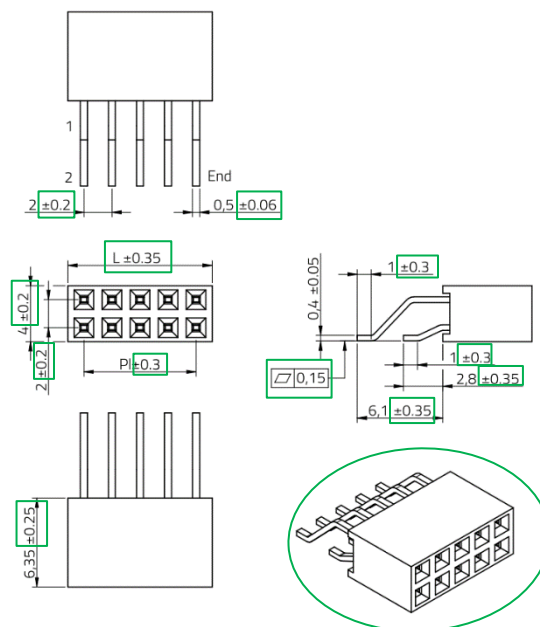
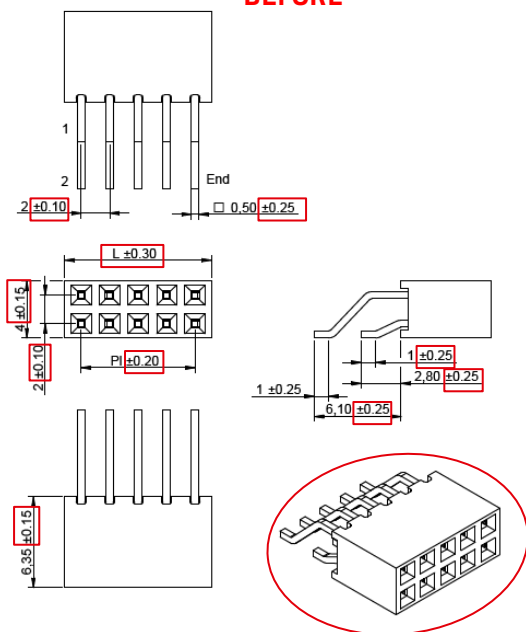
BEFORE



AFTER



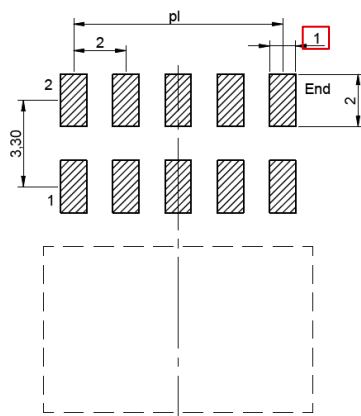
BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lc	Wc	Hc	Lc	Wc	Hc	Lc	Wc	Hc
365	330	360	345	340	107	340	340	255	No inner carton.		



	BEFORE	AFTER
	L (mm)	
621104284621	4.3	4.4
621106284621	6.3	6.4
621108284621	8.3	8.4
621110284621	10.3	10.4
621112284621	12.3	12.4
621114284621	14.3	14.4
621116284621	16.3	16.4
621120284621	20.3	20.4
621124284621	24.3	24.4
621128284621	28.3	28.4
621132284621	32.3	32.4
621140284621	40.3	40.4
621144284621	44.3	44.4

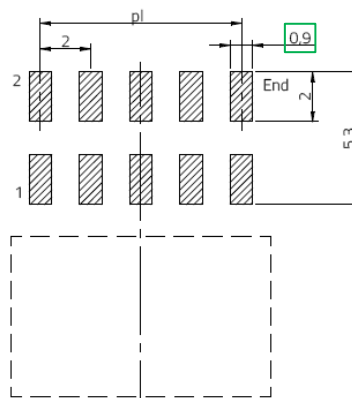
b. Recommended land pattern changes

BEFORE



General tolerance $\pm 0,05$

AFTER

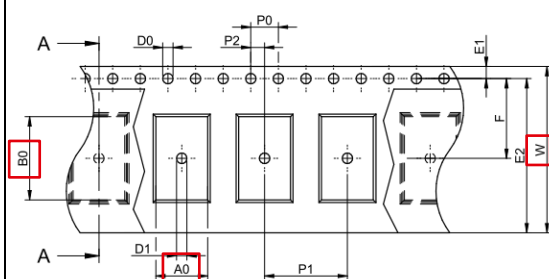


General tolerance $\pm 0,05$

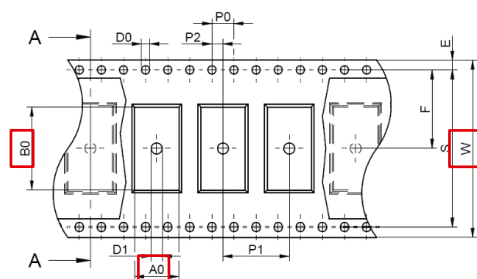
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design.

c. Packaging changes

For $W \leq 24$ mm

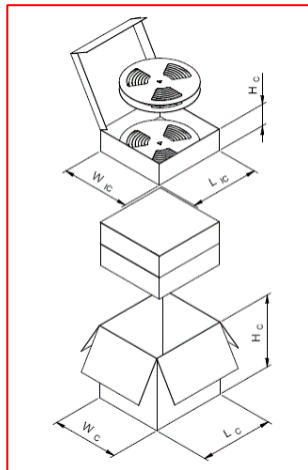


For $W > 24$ mm

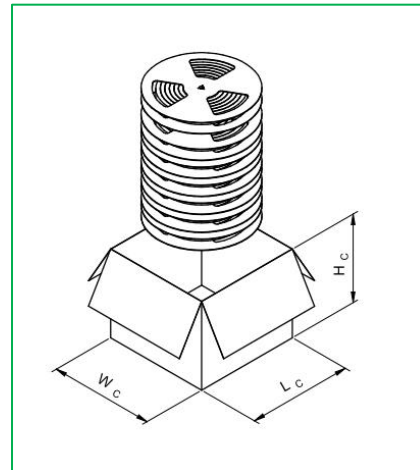


	BEFORE				AFTER			
Lengths in mm	W	A0	B0	K0	W	A0	B0	K0
62110428462 1	16	13.65	4.7	4.40	16	12.85	4.45	4.3
62110628462 1	24	13.65	6.7	4.40	16	12.85	6.45	4.3
62110828462 1	24	13.65	8.7	4.40	16	12.85	8.45	4.3
62111028462 1	24	13.65	10.7	4.40	24	12.85	10.45	4.3
62111228462 1	24	13.65	12.7	4.40	24	12.85	12.45	4.3
62111428462 1	24	13.65	14.7	4.40	24	12.85	14.45	4.3
62111628462 1	32	13.65	16.7	4.40	32	12.85	16.45	4.3
62112028462 1	44	13.65	20.7	4.40	32	12.85	20.45	4.3
62112428462 1	44	13.65	24.7	4.40	44	12.85	24.45	4.3
62112828462 1	44	13.65	28.7	4.40	44	12.85	28.45	4.3
62113228462 1	44	13.65	32.7	4.40	44	12.85	32.45	4.3
62114028462 1	56	13.65	40.7	4.40	56	12.85	40.45	4.3
62114428462 1	56	13.65	44.7	4.40	72	12.85	44.45	4.3

BEFORE



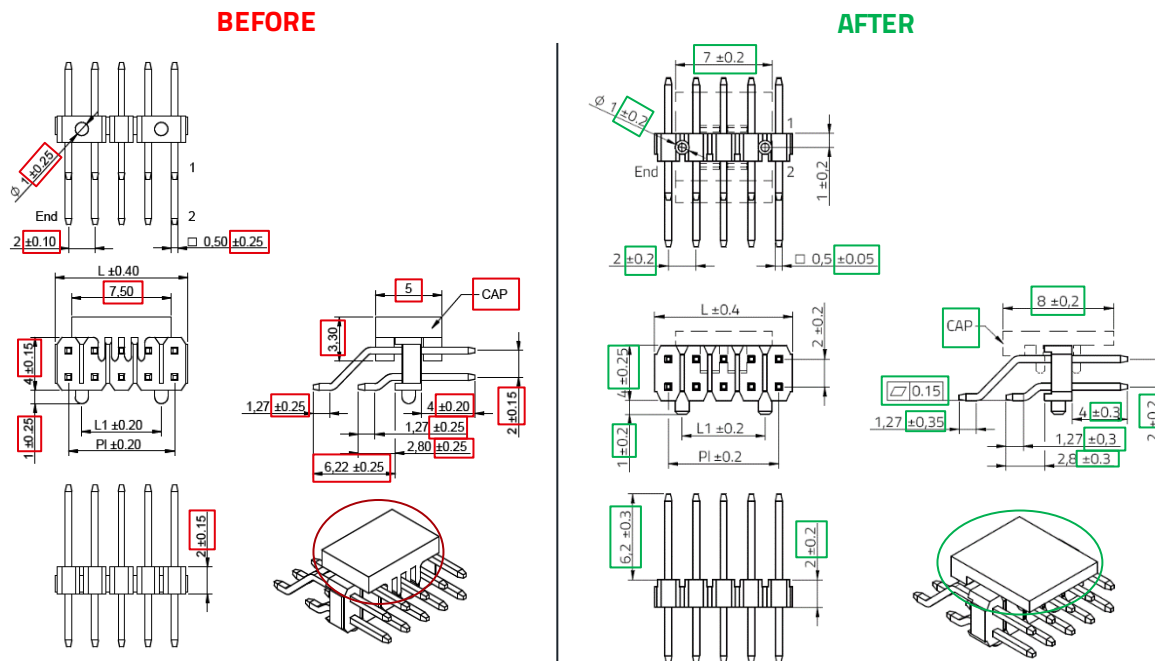
AFTER



BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lc	Wc	Hc	Lc	Wc	Hc	Lc	Wc	Hc
365	330	360	345	340	107	340	340	255	No inner carton.		

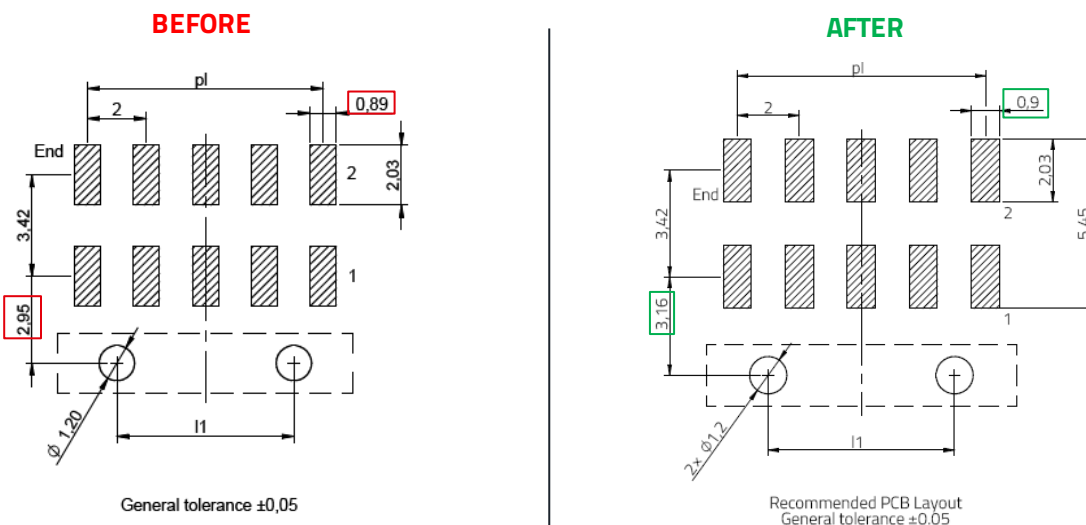
17. 6213xx284521

a. Design changes



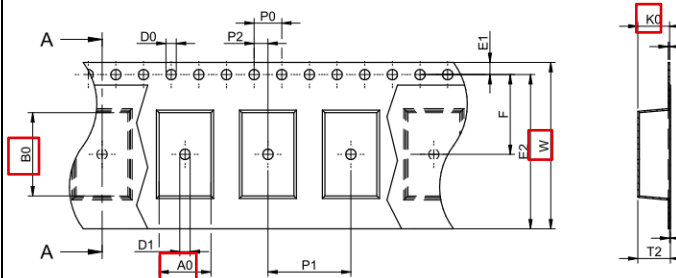
Housing's shape may slightly change, but with no or low impact on the product use.
 Cap design is evolving completely.

b. Recommended land pattern changes

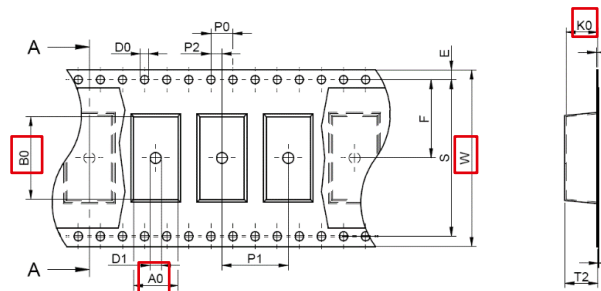


c. Packaging specifications

For $W \leq 24$ mm

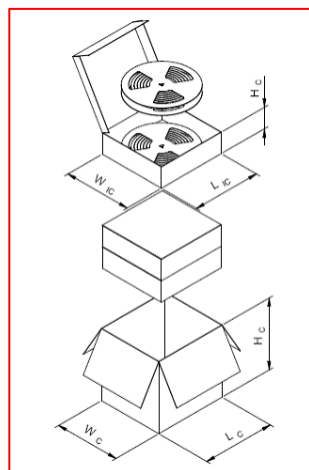


For $W > 24$ mm

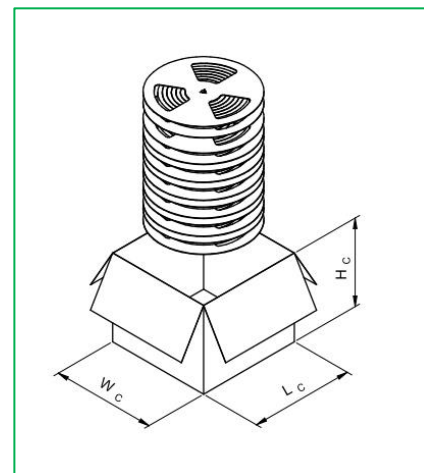


	BEFORE			AFTER		
Lengths in mm	W	B0	K0	W	B0	K0
621304284521	24	7.9	7.2	16	4.15	6.5
621306284521	24	7.9	7.2	16	6.15	6.5
621308284521	24	8.9	7.2	16	8.15	6.5
621310284521	24	10.9	7.2	24	10.15	6.5
621312284521	32	12.9	7.2	24	12.15	6.5
621314284521	32	14.9	7.2	24	14.15	6.5
621316284521	32	16.9	7.2	32	16.15	6.5
621320284521	32	20.9	7.2	32	20.15	6.5
621324284521	44	24.9	7.2	44	24.15	6.5
621328284521	44	28.9	7.2	44	28.15	6.5
621332284521	44	32.9	7.2	44	32.15	6.5
621340284521	56	40.9	7.2	56	40.15	6.5
621344284521	56	44.9	7.2	72	44.15	6.5

BEFORE



AFTER

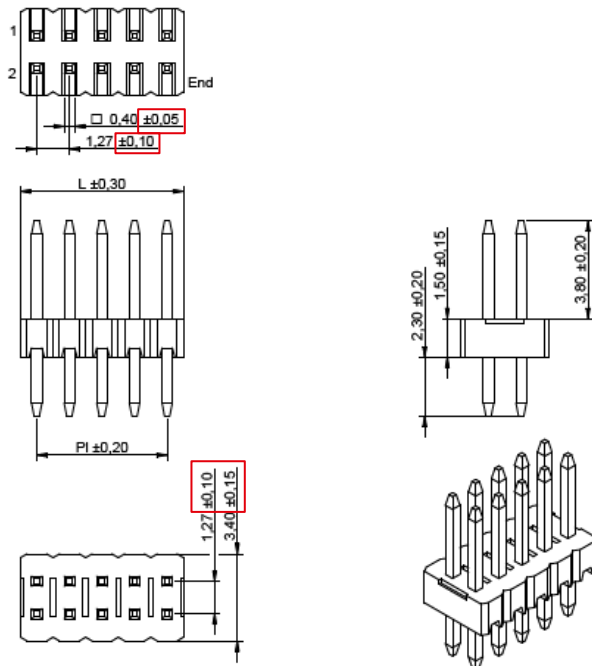


BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lic	Wic	Hic	Lc	Wc	Hc	Lic	Wic	Hic
365	330	360	345	340	107	340	340	255	No inner carton.		

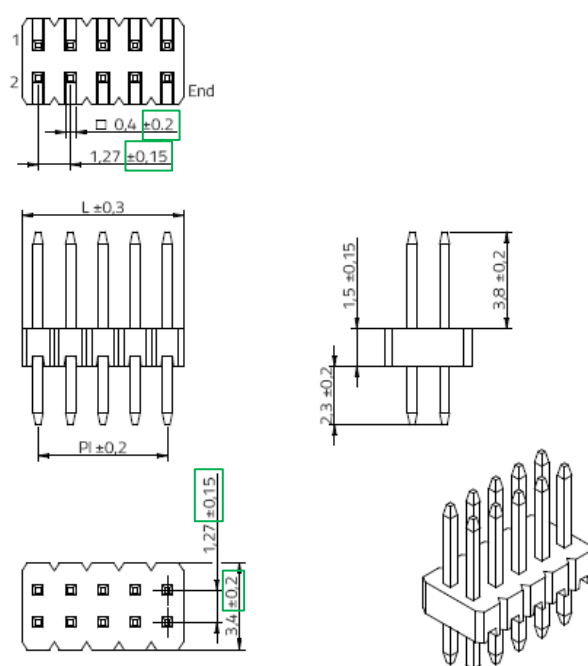
18. 6220xx21121

a. Design changes

BEFORE

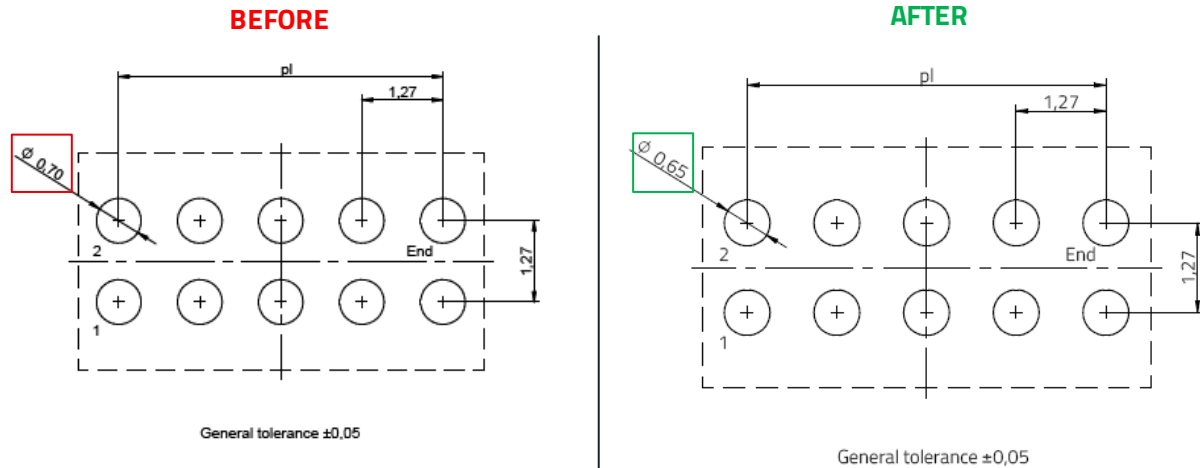


AFTER



Housing's shape may slightly change, but with no or low impact on the product use.

b. Recommended land pattern changes



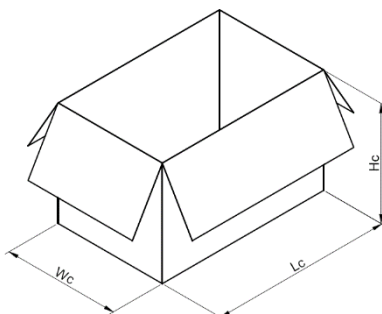
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Specifications changes

BEFORE		AFTER	
Withstanding Voltage (V(AC))	Insulation Resistance (MΩ)	Withstanding Voltage (V(AC))	Insulation Resistance (MΩ)
500	1000	300	500

d. Packaging changes

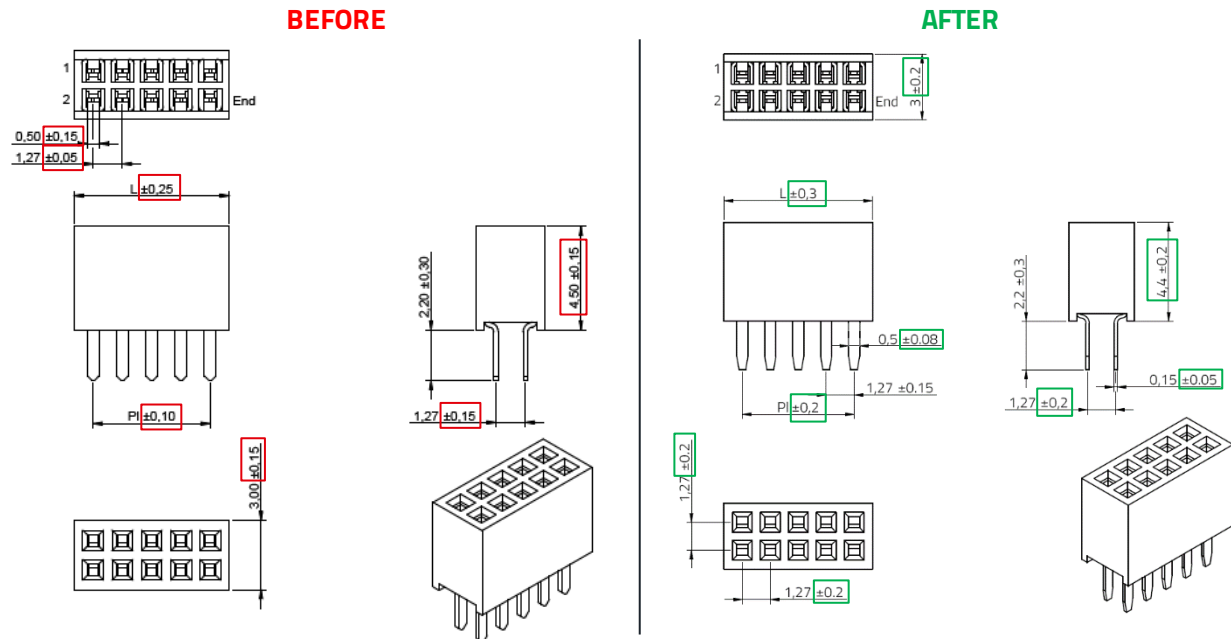
Packaging type is changing from **box** to **PE bag**.



Carton Size change	BEFORE			AFTER		
	Lc (mm)	Wc (mm)	Hc (mm)	Lc (mm)	Wc (mm)	Hc (mm)
	400	280	280	340	340	255

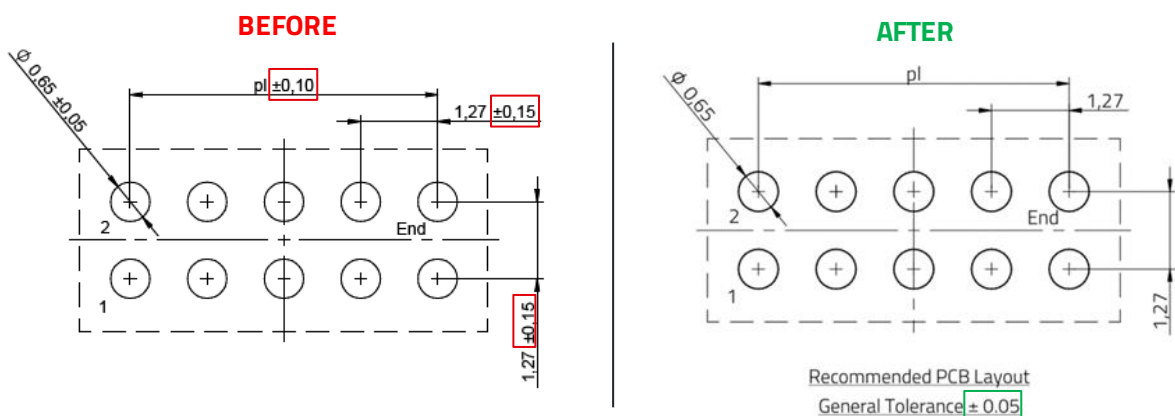
19. 6220xx21821

a. Design changes



Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.

b. Recommended Land Pattern



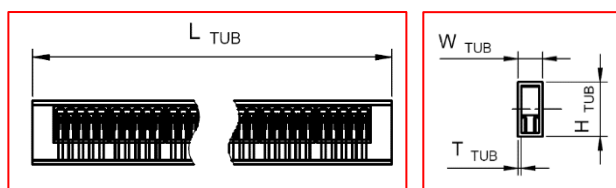
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Specifications changes

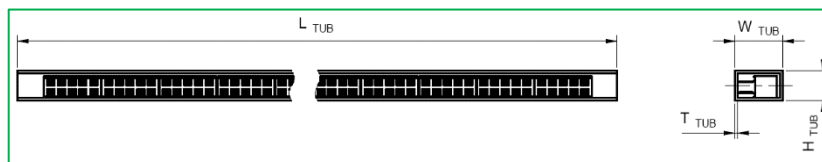
BEFORE	AFTER
Withstanding Voltage (V(AC))	Withstanding Voltage (V(AC))
500	300

d. Packaging changes

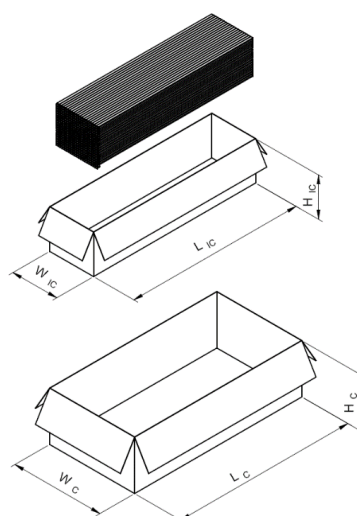
BEFORE



AFTER

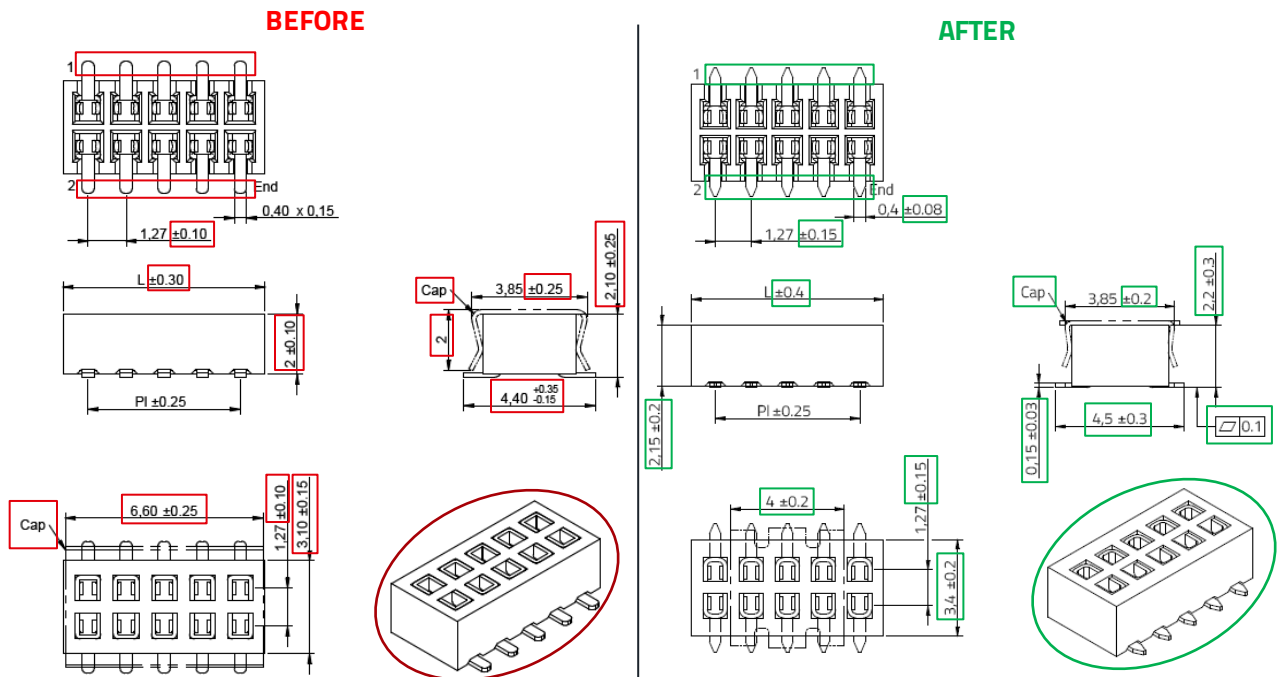


BEFORE										AFTER									
Tube dimensions (mm)				Inner carton dimensions (mm)			Carton dimensions (mm)			Tube dimensions (mm)				Inner carton dimensions (mm)			Carton dimensions (mm)		
LTUB	WTUB	HTUB	TTUB	Lic	Wic	Hic	Lc	Wc	Hc	LTUB	WTUB	HTUB	TTUB	Lic	Wic	Hic	Lc	Wc	Hc
600	3.5	7.8	0.8	X	X	X	650	140	125	600	8.7	4.5	0.5	630	190	150	650	330	190



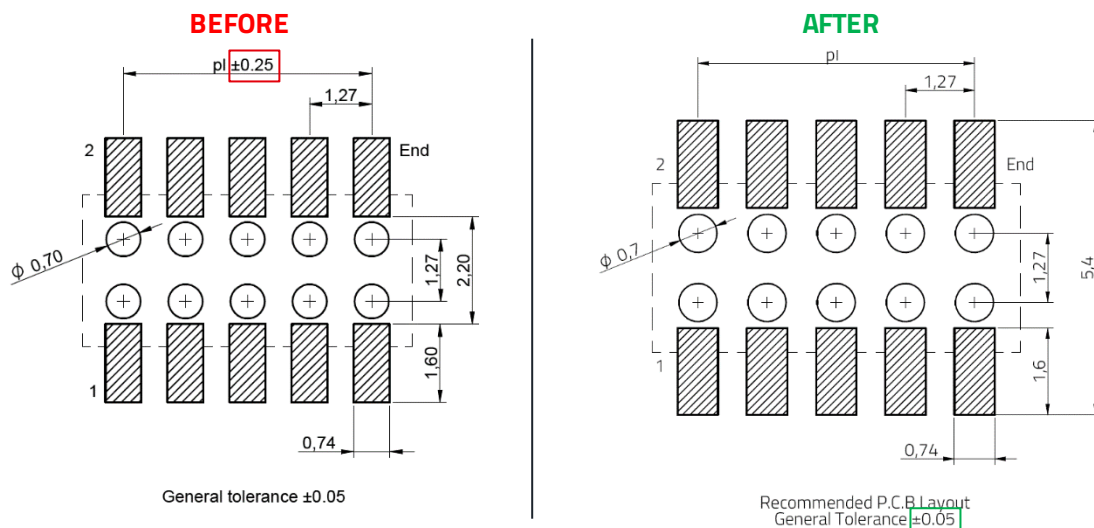
20. 6233xx235321

a. Design changes



Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.
 Cap design is evolving completely.

b. Recommended Land Pattern



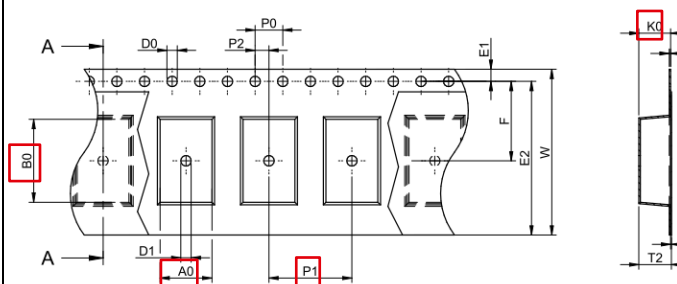
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Specifications changes

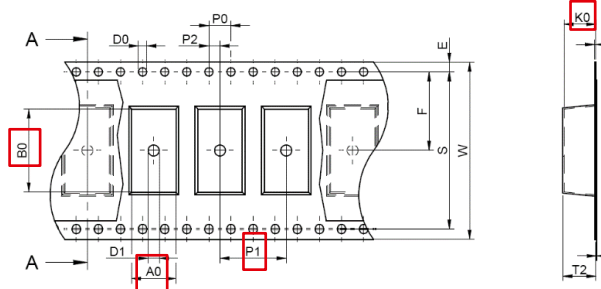
BEFORE	AFTER
Withstanding Voltage (V(AC))	Withstanding Voltage (V(AC))
500	300

d. Packaging changes

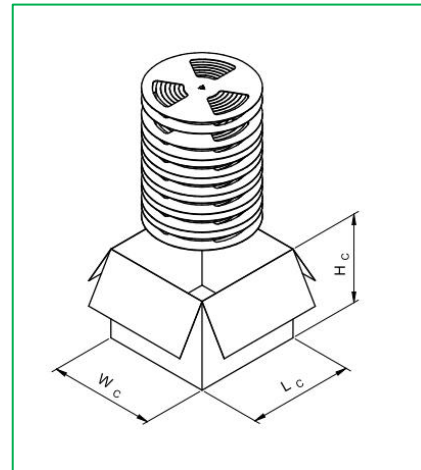
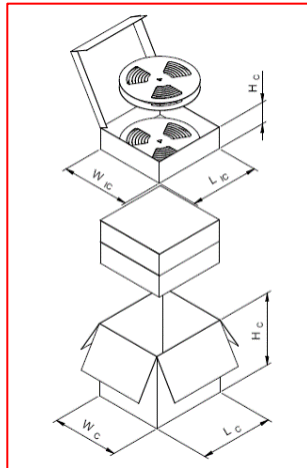
For $W \leq 24$ mm



For $W > 24$ mm



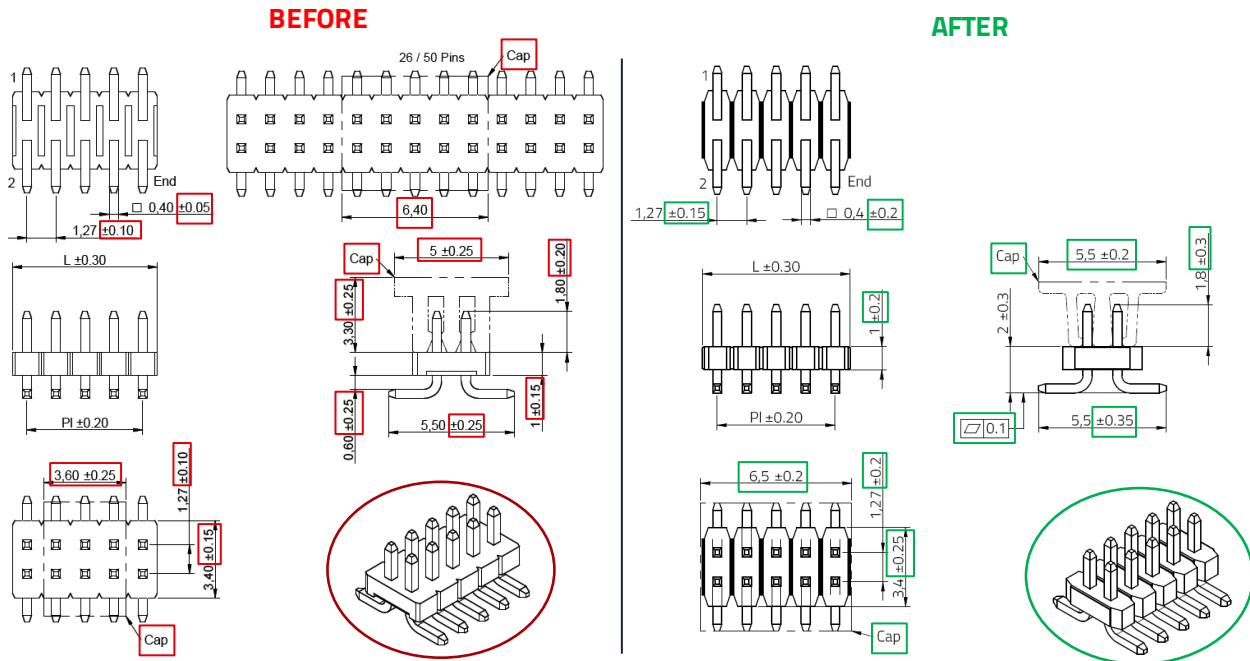
	BEFORE				AFTER			
Lengths in mm	P1	A0	B0	K0	P1	A0	B0	K0
62331023532 1	12	4.7	7.1	3.2	8	4.8	6.65	2.65
62332223532 1	12	4.7	14.8	3.2	8	4.8	14.3	2.65
62332623532 1	12	4.8	17.3	3.2	8	4.8	16.81	2.65
62333423532 1	12	4.7	22.3	3.2	8	4.8	21.89	2.65
62335023532 1	12	4.8	32.5	3.2	8	4.8	32.1	2.65



BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lic	Wic	Hic	Lc	Wc	Hc	Lic	Wic	Hic
365	330	360	345	340	107	340	340	255	No inner carton.		

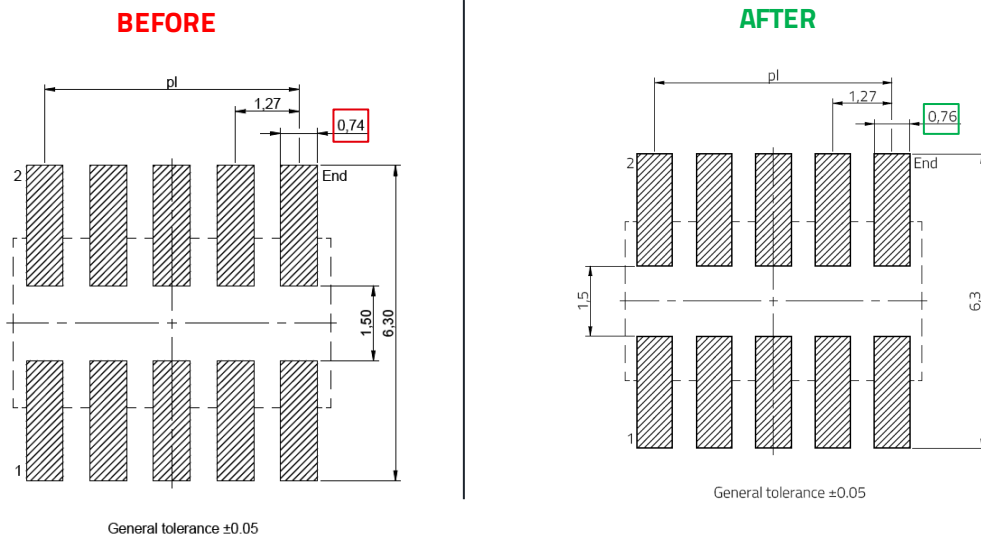
21. 6223xx235521

a. Design changes



Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.
 Cap design is evolving completely

b. Recommended land pattern changes



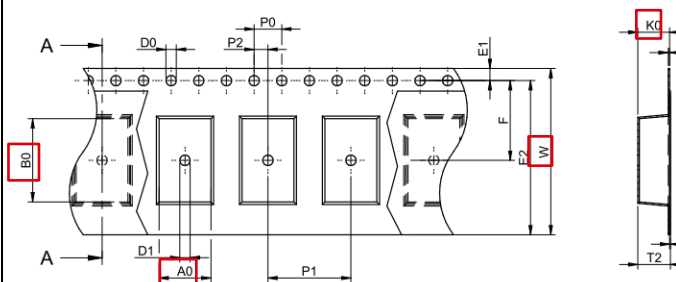
The recommended land pattern is changing on the datasheet, however the former recommended land pattern is still compatible with the new part design. We advised to implement the new recommended land pattern as much as possible.

c. Specifications changes

BEFORE		AFTER	
Withstanding Voltage (V(AC))	Insulation Resistance (M Ω)	Withstanding Voltage (V(AC))	Insulation Resistance (M Ω)
500	1000	300	500

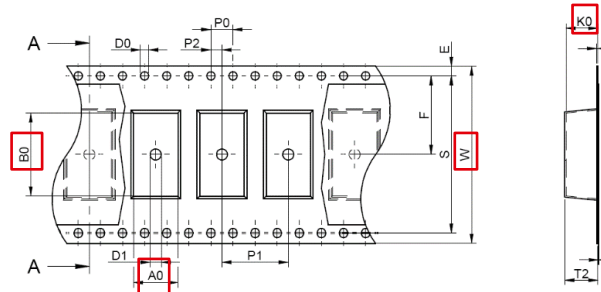
d. Packaging changes

For $W \leq 24$ mm

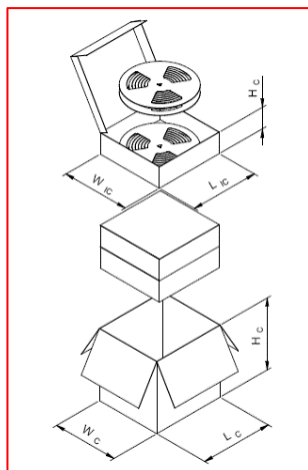


	BEFORE				AFTER			
Lengths in mm	W	A0	B0	K0	W	A0	B0	K0
62331023552 1	24	6.8	5.9	7	16	5.8	6.45	5.2
62332623552 1	32	5.9	16.9	7	32	5.8	16.6	5.2
62333423552 1	44	5.9	22	7	44	5.8	21.7	5.2
62335023552 1	56	5.9	32.2	7	44	5.8	31.85	5.2

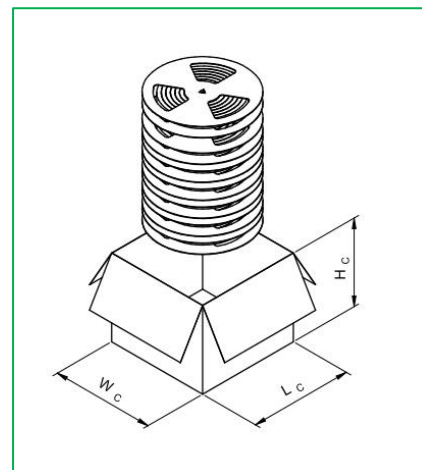
For $W > 24$ mm



BEFORE



AFTER

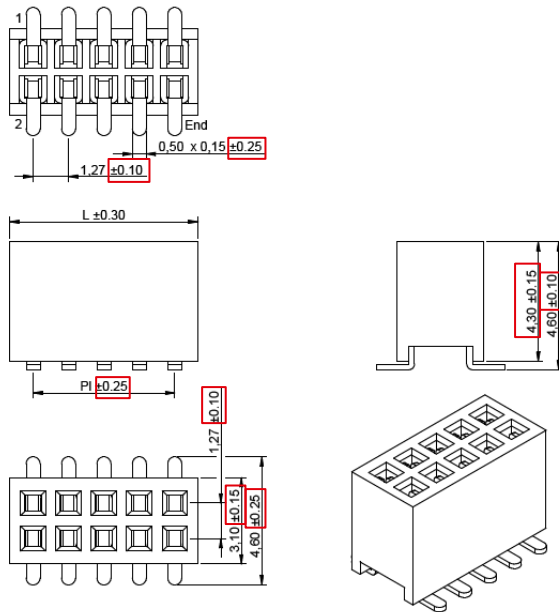


BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lic	Wic	Hic	Lc	Wc	Hc	Lic	Wic	Hic
365	330	360	345	340	107	340	340	255	No inner carton.		

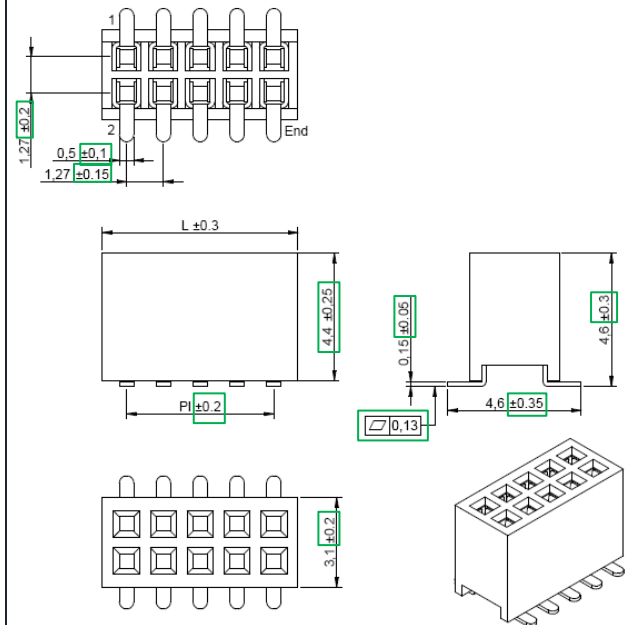
22. 6230xx21021

a. Design changes

BEFORE



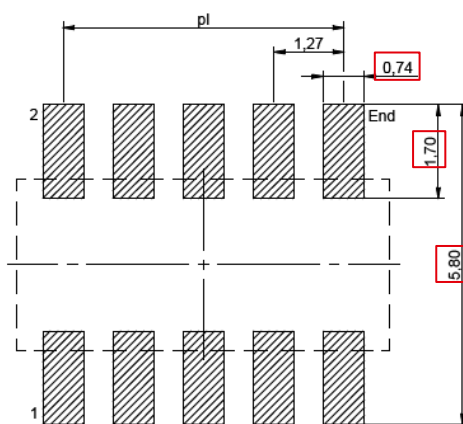
AFTER



Contacts' & housing's shapes may slightly change, but with no or low impact on the product use.

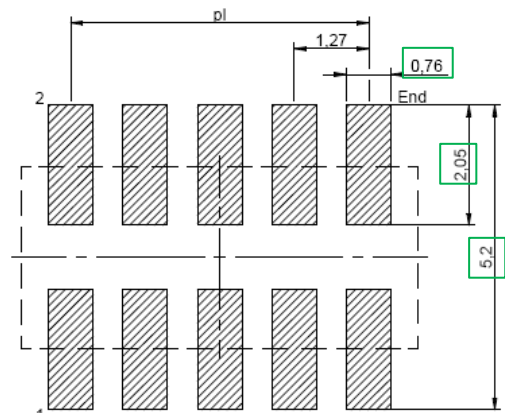
b. Recommended Land Pattern changes

BEFORE



General tolerance 0.05

AFTER



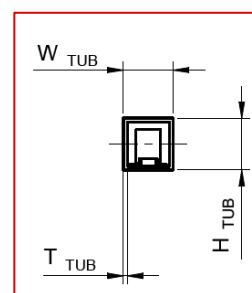
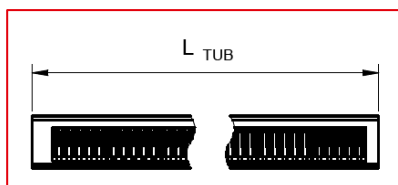
General tolerance ± 0.05 mm

c. Specifications changes

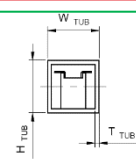
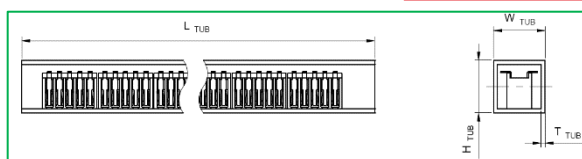
BEFORE	AFTER
Withstanding Voltage (V(AC))	Withstanding Voltage (V(AC))
500	300

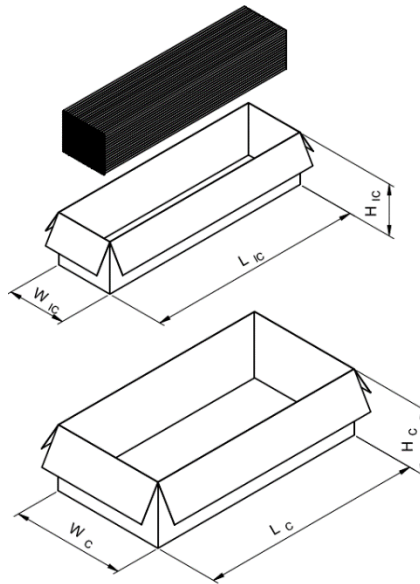
d. Packaging changes

BEFORE



AFTER





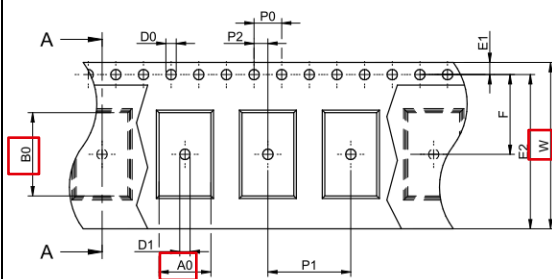
BEFORE						AFTER					
Tube dimensions (mm)			Inner carton dimensions (mm)			Tube dimensions (mm)			Inner carton dimensions (mm)		
L _{TUB}	W _{TUB}	H _{TUB}	L _{IC}	W _{IC}	H _{IC}	L _{TUB}	W _{TUB}	H _{TUB}	L _{IC}	W _{IC}	H _{IC}
600	6.6	6.3	630	170	150	625	6.50	6.50	630	190	150

c. Specifications changes

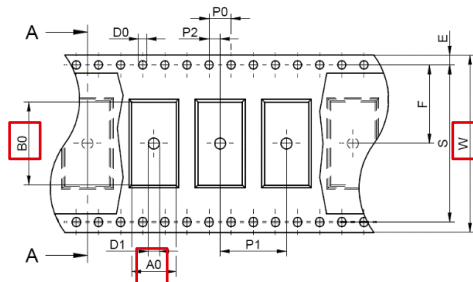
BEFORE	AFTER
Withstanding Voltage (V(AC))	Withstanding Voltage (V(AC))
500	300

d. Packaging changes

For $W \leq 24$ mm

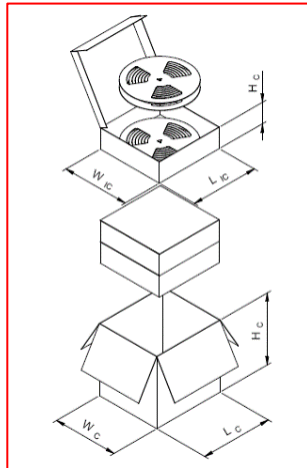


For $W > 24$ mm

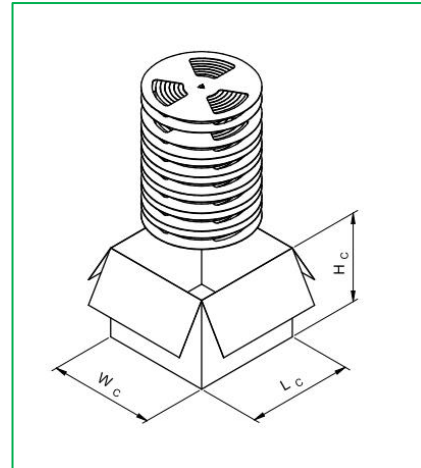


	BEFORE			AFTER		
Lengths in mm	W	A0	B0	W	A0	B0
62330421021	16	3.25	4.8	16	4,9	3,04
62330821021	16	8.6	4.9	16	4,9	5,58
62331021021	16	7.3	5.1	16	4,9	6,85
62331221021	24	8.3	4.9	16	4,9	8,12
62331421021	24	9.7	5	24	4,9	9,39
62331621021	24	10.9	4.8	24	4,9	10,56
62331821021	24	11.06	5	24	4,9	11,93
62332021021	24	13.6	5.1	24	4,9	13,2
62332221021	24	14.9	5	24	4,9	14,47
62332421021	32	5	16.05	32	4,9	15,74
62332621021	32	4.9	17.2	32	4,9	17
62332821021	32	5	18.65	32	4,9	18,28
62334021021	44	5	26.3	44	4,9	25,9
62335021021	44	4.9	32.5	44	4,9	32,25
62336021021	56	5	38.9	56	4,9	38,6

BEFORE



AFTER



BEFORE						AFTER					
Carton dimensions (mm)			Inner carton dimensions (mm)			Carton dimensions (mm)			Inner carton dimensions (mm)		
Lc	Wc	Hc	Lic	Wic	Hic	Lc	Wc	Hc	Lic	Wic	Hic
365	330	360	345	340	107	340	340	255	No inner carton.		

Reliability / Qualification Summary:

Product approval is according to the specification criteria and is internally released by the Product Management Department.

Please find the updated reliability reports below.

Electrical Tests:

For 2.00 mm pitch series:

6200xx21121 - 6200xx11121 - 621axx21921 - 621axx245821 - 6213xx284521

Item	Test Condition	Requirement
Contact Resistance	According to EIA- 364-06C Mate connectors: apply a maximum voltage of 20 mV and a current of 10mA.	20 mΩ Max Initial 30 mΩ Max final
Insulation Resistance	According to EIA-364-21C Mate connectors: apply 500V DC between adjacent terminal for 2 minutes.	5000 MΩ Min initial
Dielectric Withstanding Voltage	According to EIA-364-20C Mate connectors: apply a voltage of 500 V AC for 1 minute between adjacent terminals.	No Breakdown, flashover nor leakage current exceeds 0.5mA

For 1.27 mm pitch series:

621axx21021 - 6220xx21121 - 6220xx21821 - 623axx21021 - 6233xx235321 - 6233xx235521

Item	Test Condition	Requirement
Contact Resistance	According to EIA- 364-06C Mate connectors: apply a maximum voltage of 20 mV and a current of 10mA.	20 mΩ Max Initial 30 mΩ Max final
Insulation Resistance	According to EIA-364-21C Mate connectors: apply 500V DC between adjacent terminal for 2 minutes.	1000 MΩ Min initial
Dielectric Withstanding Voltage	According to EIA-364-20C Mate connectors: apply a voltage of 500 V AC for 1 minute between adjacent terminals.	No Breakdown, flashover nor leakage current exceeds 0.5mA



Mechanical Tests :

Item	Test Condition	Requirement
Terminal Retention Force	Apply axial pull out force at the speed rate of 25±3mm per minute	250g min per contact.
Insertion force	Plug pin header into counterpart at a constant speed of 25 mm/minute.	120 gf max per contact for 1.27 mm pitch 200gf max per contact for 2.00 mm pitch
Withdrawal force	Unplug pin header from counterpart at a constant speed of 25 mm/minute.	20 gf min per contact
Durability	EIA-364-09C The sample should be mounted in the tester and fully mated and unmated 50 cycles specified at rate of 25 mm/mini.	1. No evidence of physical damage 2. Contact Resistance: 30mΩ max.
Vibration	EIA-364-28D Vibration frequency range:10-55-10Hz/min. Amplitude : 1.52mm Period : 2 hours for each direction X,Y,Z axis. (6 hours total)	1. No evidence of physical damage 2. Contact Resistance: 30mΩ max. 3. No microcuts longer than 1μs
Drop	Carton on 6 sides random dropping from height of 76 cm.	No abnormality or miss function.



Environmental testing:

Item	Test Condition	Requirement
Temperature Life	EIA-364-17B Expose a pair of mated connector to 105 ±2°C for 250 hours	1. Visual: No damage 2. Contact resistance: 20mΩ Max.
Salt Spray	EIA-364-26A Subject mated connectors Temperature : 35±2 °C Salt density : 5 +/-1% Time : 24 ± 1 hours. After test, rinse the sample with water and recondition the room temperature for 1 hour.	After test : Contact Resistance : 30 mΩ max.
Humidity	According to EIA-364-31B Temperature: 40 ±2 °C Relative Humidity: 90~95% Duration: 96 hours To be performed on mated connectors. Upon completion of the exposure period, the test specimens shall be conditioned at ambient room conditions for 1 hour, after which the specified measurements shall be performed. Water drops shall be removed.	1. Visual: No damage 2. Insulation resistance: 100MΩ min 3. Contact resistance: 30mΩ Max.
Thermal Shock	EIA-364-32C One cycle = -40°C for 30 minutes +105°C for 30 minutes. Number of cycles : 5 .	1. Visual: No damage 2. Contact resistance: 30mΩ max.



Solderability :

Solderability (THT type)	EIA-364-52 Soldering temperature : $245 \pm 5^{\circ}\text{C}$ Dipping time : 4~5sec	More than 95% coverage.
Resistance to reflow Solder Heat (SMT type)	EIA-364-56C Soldering temperature : $380 \pm 10^{\circ}\text{C}$ Soldering time: 3~5 sec,	Visual: No damage