



# Amphenol Advanced Sensors

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<b>NOTIFICATION OF CHANGE</b>		<b>CUSTOMER : GENERAL</b>	<b>ISSUE : G</b>
<b>TITLE : NK FORMAT CHANGE Pb-free/Alloy 52 wire</b>		<b>DATE : 18 September 2019</b>	<b>No : 101401</b>
<b>CUSTOMER SERIAL No.</b>		<b>ORIGINATOR: CRD</b>	<b>PAGE 1 OF 3</b>

<b>AFFECTED TYPES</b>	NK standard / various special types. Revised format for all standard NK types.		
<b>CHANGE SUMMARY</b>	Construction change as below :		
		Existing	Revised
	Solder	Pb93.5Sn5Ag1.5	Sn96Ag3.7Cu0.3 Pb-free
	Coating	Blue epoxy (125°C rated)	Red epoxy (155°C rated)
	Leads	0.5mm dia Sn coated steel	0.4mm dia Sn coated alloy 52 NiFe
	Coding (example)	NK103C1R*	NKA103C1R*
	Existing NK standard product mechanical dimensions will be modified, and coding changed to NKA Revised construction is additionally qualified to AECQ200. No change to electrical properties or assembly site.		
<b>REASON FOR CHANGE</b>	Higher continuous temperature rating Increased performance capability in line with global automotive standards RoHS conversion to Pb-free solder Enhanced chemical resistance		
<b>DATE OF CHANGE</b>	31 Dec 2019 final order date.		
<b>EFFECT ON PRODUCT</b>	Electrical properties : No change, interchangeable and backward compatible. Physical properties : Max temp. rating increase to 155°C		
<b>AFFECTED BATCHES</b>	To be advised for individual types on request. Existing format stocks to be shipped first.		
<b>QA CHANGES</b>	As existing procedures ISO/TS16949 certified		
<b>AMPHENOL CONTROLS</b>	100% automated assembly visual and electrical resistance tests		
<b>ENGINEERING EVALUATION</b>	See separate report for new format to AEC Q200 conditions		
<b>ENGINEERING SUMMARY</b>	Revised format is an updated version of existing part with assembly procedures & additional controls in line with volume automotive assembly process.		

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Part code revision

Obsolete PN	New PN
NK501C2R2	NKA501C2R2
NK501C2R3	NKA501C2R3
NK501C2R5	NKA501C2R5
NK501C2R10	NKA501C2R10
NK501C2AR2	NKA501C2AR2
NK501C2AR3	NKA501C2AR3
NK501C2AR5	NKA501C2AR5
NK501C2AR10	NKA501C2AR10
NK102C2R2	NKA102C2R2
NK102C2R3	NKA102C2R3
NK102C2R5	NKA102C2R5
NK102C2R10	NKA102C2R10
NK102C2AR2	NKA102C2AR2
NK102C2AR3	NKA102C2AR3
NK102C2AR5	NKA102C2AR5
NK102C2AR10	NKA102C2AR10
NK182C2R2	NKA182C2R2
NK182C2R3	NKA182C2R3
NK182C2R5	NKA182C2R5
NK182C2R10	NKA182C2R10
NK202C2R2	NKA202C2R2
NK202C2R3	NKA202C2R3
NK202C2R5	NKA202C2R5
NK202C2R10	NKA202C2R10
NK202C2AR2	NKA202C2AR2
NK202C2AR3	NKA202C2AR3
NK202C2AR5	NKA202C2AR5
NK202C2AR10	NKA202C2AR10
NK222C1R1	NKA222C1R1
NK222C1R2	NKA222C1R2
NK222C1R3	NKA222C1R3
NK222C1R5	NKA222C1R5
NK222C1R10	NKA222C1R10
NK272C1R1	NKA272C1R1
NK272C1R2	NKA272C1R2
NK272C1R3	NKA272C1R3
NK272C1R5	NKA272C1R5
NK272C1R10	NKA272C1R10
NK302C1R1	NKA302C1R1
NK302C1R2	NKA302C1R2
NK302C1R3	NKA302C1R3
NK302C1R5	NKA302C1R5

Obsolete PN	New PN
NK302C1R10	NKA302C1R10
NK502C1R1	NKA502C1R1
NK502C1R2	NKA502C1R2
NK502C1R3	NKA502C1R3
NK502C1R5	NKA502C1R5
NK502C1R10	NKA502C1R10
NK502C4AR1	NKA502C4AR1
NK502C4AR2	NKA502C4AR2
NK502C4AR3	NKA502C4AR3
NK502C4AR5	NKA502C4AR5
NK502C4AR10	NKA502C4AR10
NK103C1R1	NKA103C1R1
NK103C1R2	NKA103C1R2
NK103C1R3	NKA103C1R3
NK103C1R5	NKA103C1R5
NK103C1R10	NKA103C1R10
NK103C4AR1	NKA103C4AR1
NK103C4AR2	NKA103C4AR2
NK103C4AR3	NKA103C4AR3
NK103C4AR5	NKA103C4AR5
NK103C4AR10	NKA103C4AR10
NK103C5R1	NKA103C5R1
NK103C5R2	NKA103C5R2
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NK103C5R10	NKA103C5R10
NK123C5R1	NKA123C5R1
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NK123C5R3	NKA123C5R3
NK123C5R5	NKA123C5R5
NK123C5R10	NKA123C5R10
NK303C8R1	NKA303C8R1
NK303C8R2	NKA303C8R2
NK303C8R3	NKA303C8R3
NK303C8R5	NKA303C8R5
NK303C8R10	NKA303C8R10
NK503C8R1	NKA503C8R1
NK503C8R2	NKA503C8R2
NK503C8R3	NKA503C8R3
NK503C8R5	NKA503C8R5
NK503C8R10	NKA503C8R10
NK501C2B2	NKA501C2B2

Part code revision

Obsolete PN	New PN
NK501C2B3	NKA501C2B3
NK501C2B5	NKA501C2B5
NK501C2B10	NKA501C2B10
NK501C2AB2	NKA501C2AB2
NK501C2AB3	NKA501C2AB3
NK501C2AB5	NKA501C2AB5
NK501C2AB10	NKA501C2AB10
NK102C2B2	NKA102C2B2
NK102C2B3	NKA102C2B3
NK102C2B5	NKA102C2B5
NK102C2B10	NKA102C2B10
NK102C2AB2	NKA102C2AB2
NK102C2AB3	NKA102C2AB3
NK102C2AB5	NKA102C2AB5
NK102C2AB10	NKA102C2AB10
NK182C2B2	NKA182C2B2
NK182C2B3	NKA182C2B3
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NK182C2B10	NKA182C2B10
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NK202C2B3	NKA202C2B3
NK202C2B5	NKA202C2B5
NK202C2B10	NKA202C2B10
NK202C2AB2	NKA202C2AB2
NK202C2AB3	NKA202C2AB3
NK202C2AB5	NKA202C2AB5
NK202C2AB10	NKA202C2AB10
NK222C1B1	NKA222C1B1
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NK222C1B3	NKA222C1B3
NK222C1B5	NKA222C1B5
NK222C1B10	NKA222C1B10
NK272C1B1	NKA272C1B1
NK272C1B2	NKA272C1B2
NK272C1B3	NKA272C1B3
NK272C1B5	NKA272C1B5
NK272C1B10	NKA272C1B10
NK302C1B1	NKA302C1B1
NK302C1B2	NKA302C1B2
NK302C1B3	NKA302C1B3
NK302C1B5	NKA302C1B5
NK302C1B10	NKA302C1B10

Obsolete PN	New PN
NK502C1B1	NKA502C1B1
NK502C1B2	NKA502C1B2
NK502C1B3	NKA502C1B3
NK502C1B5	NKA502C1B5
NK502C1B10	NKA502C1B10
NK502C4AB1	NKA502C4AB1
NK502C4AB2	NKA502C4AB2
NK502C4AB3	NKA502C4AB3
NK502C4AB5	NKA502C4AB5
NK502C4AB10	NKA502C4AB10
NK103C1B1	NKA103C1B1
NK103C1B2	NKA103C1B2
NK103C1B3	NKA103C1B3
NK103C1B5	NKA103C1B5
NK103C1B10	NKA103C1B10
NK103C4AB1	NKA103C4AB1
NK103C4AB2	NKA103C4AB2
NK103C4AB3	NKA103C4AB3
NK103C4AB5	NKA103C4AB5
NK103C4AB10	NKA103C4AB10
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NK103C5B2	NKA103C5B2
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NK103C5B10	NKA103C5B10
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NK123C5B2	NKA123C5B2
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NK503C8B2	NKA503C8B2
NK503C8B3	NKA503C8B3
NK503C8B5	NKA503C8B5
NK503C8B10	NKA503C8B10