



**NIC COMPONENTS CORP.**

70 Maxess Road • Melville, New York 11747  
(631) 396-7500 • Fax (631) 396-7575

2/24/00

## **CROSS REFERENCE GUIDE**

**PRODUCTS: SMT FERRITE CHIP BEADS**  
**SERIES: *NCB***

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### PRODUCTS: SMT FERRITE CHIP BEADS SERIES: NCB

<b>Guide to Exceptions:</b>
<b>N/A</b> = No exceptions; exact match
<b>DC R</b> = DC Resistance
<b>DC I</b> = DC Current Rating
<b>NIC</b> impedance (higher) offered I/O <b>competitors</b> impedance (lower)

Competitor	Competitors P/N	NIC P/N	Exceptions
Dale	ILB-1206-120	NCB1206B121TR	DC R
Dale	ILB-1206-150	NCB1206B151TR	DC R & I
Dale	ILB-1206-19	NCB1206B190TR	DC R
Dale	ILB-1206-26	NCB1206B260TR	DC R
Dale	ILB-1206-300	NCB1206B401TR	400 Ohm I/O 300 Ohm, DC R
Dale	ILB-1206-50	NCB1206B320TR	32 Ohm I/O 31 Ohm, DC R
Dale	ILB-1206-500	NCB1206B501TR	N/A
Dale	ILB-1206-600	NCB1206B601TR	N/A
Dale	ILB-1206-70	NCB1206B700TR	DC R
Dale	ILBB-0603-120	NCB0603R121TR	DC R
Dale	ILBB-0603-220	NCB0603R221TR	DC R & I
Dale	ILBB-0603-30	NCB0603R300TR	DC R & I
Dale	ILBB-0603-300	NCB0603R301TR	DC R & I
Dale	ILBB-0603-450	NCB0603R451TR	DC R
Dale	ILBB-0603-600	NCB0603R601TR	DC R
Dale	ILBB-0603-80	NCB0603R800TR	DC R
Dale	ILBB-0805-1000	NCB0805R102TR	DC R
Dale	ILBB-0805-11	NCB0805R110TR	DC R
Dale	ILBB-0805-11	NCB0805R110TR	DC R
Dale	ILBB-0805-120	NCB0805R121TR	DC R
Dale	ILBB-0805-150	NCB0805R151TR	DC R & I
Dale	ILBB-0805-17	NCB0805R170TR	DC R
Dale	ILBB-0805-220	NCB0805R221TR	DC R
Dale	ILBB-0805-300	NCB0805R301TR	DC R
Dale	ILBB-0805-32	NCB0805R320TR	DC R & I
Dale	ILBB-0805-400	NCB0805R401TR	DC R
Dale	ILBB-0805-600	NCB0805R601TR	DC R
Dale	ILBB-0805-80	NCB0805R800TR	DC R



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Competitor	Competitors P/N	NIC P/N	Exceptions
Delevan	EMI0603-120	NCB0603R121TR	N/A
Delevan	EMI0603-220	NCB0603R221TR	DC I
Delevan	EMI0603-300	NCB0603R301TR	N/A
Delevan	EMI0603-450	NCB0603R451TR	DC R
Delevan	EMI0603-60	NCB0603R600TR	DC I
Delevan	EMI0603-600	NCB0603R601TR	N/A
Delevan	EMI0603-80	NCB0603R800TR	N/A
Delevan	EMI0805-11	NCB0805A190TR	19 Ohm I/O 11 Ohm, DC I
Delevan	EMI0805-120	NCB0805A121TR	N/A
Delevan	EMI0805-1200	NCB0805A122TR	N/A
Delevan	EMI0805-150	NCB0805A151TR	N/A
Delevan	EMI0805-1500	NCB0805A152TR	N/A
Delevan	EMI0805-2000	NCB0805A202TR	DC R
Delevan	EMI0805-220	NCB0805A201TR	200 Ohm I/O 220 Ohm
Delevan	EMI0805-40	NCB0805A500TR	50 Ohm I/O 40 Ohm, DC I
Delevan	EMI0805-400	NCB0805A401TR	N/A
Delevan	EMI0805-500	NCB0805A501TR	N/A
Delevan	EMI0805-600	NCB0805A601TR	N/A
Delevan	EMI0805-90	NCB0805A900TR	N/A
Delevan	EMI1206-1000	NCB1206B122TR	1200 Ohm I/O 1000 Ohm
Delevan	EMI1206-120	NCB1206B121TR	N/A
Delevan	EMI1206-1200	NCB1206B122TR	N/A
Delevan	EMI1206-150	NCB1206B151TR	N/A
Delevan	EMI1206-1500	NCB1206B152TR	N/A
Delevan	EMI1206-200	NCB1206B201TR	N/A
Delevan	EMI1206-2000	NCB1206B202TR	DC R
Delevan	EMI1206-31	NCB1206B320TR	32 Ohm I/O 31 Ohm, DC R & I
Delevan	EMI1206-400	NCB1206B401TR	N/A
Delevan	EMI1206-500	NCB1206B501TR	N/A
Delevan	EMI1206-60	NCB1206B700TR	70 Ohm I/O 60 Ohm
Delevan	EMI1206-600	NCB1206B601TR	N/A
Delevan	EMI1206-800	NCB1206B801TR	N/A
Delevan	EMI1206-90	NCB1206B900TR	N/A
Delevan	EMI1210-60	NCB1210C600TR	N/A
Delevan	EMI1806-105	NCB1806E101TR	100 Ohm I/O 105 Ohm, DCR & I
Delevan	EMI1806-80	NCB1806E800TR	N/A
Delevan	EMI1812-125	NCB1806E121TR	120 Ohm I/O 125 Ohm



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Manufacturer	Competitors P/N	NIC P/N	Exceptions
Fair-rite	2506031217Y0	NCB0603R121TR	DC R
Fair-rite	2506033007Y0	NCB0603R300TR	DC R
Fair-rite	2506033007Y1	NCB0603R270TR	27 Ohm I/O 30 Ohm
Fair-rite	2506033017Y0	NCB0603R301TR	N/A
Fair-rite	2506036007Y0	NCB0603R600TR	N/A
Fair-rite	2506036017Y0	NCB0603R300TR	N/A
Fair-rite	2506038007Y0	NCB0603R800TR	DC R
Fair-rite	2508051027Y0	NCB0805A102TR	DC R
Fair-rite	2508051107Y0	NCB0805A110TR	N/A
Fair-rite	2508051107Y1	NCB0805A390TR	39 Ohm I/O 11 Ohm
Fair-rite	2508051217Y0	NCB0805A121TR	DC R & I
Fair-rite	2508051527Y0	NCB0805A152TR	N/A
Fair-rite	2508053007Y0	NCB0805A320TR	32 Ohm I/O 30 Ohm, DC R
Fair-rite	2508053017Y0	NCB0805A301TR	32 Ohm I/O 30 Ohm
Fair-rite	2508056007Y0	NCB0805A800TR	80 Ohm I/O 60 Ohm, DC R
Fair-rite	2508056017Y0	NCB0805A601TR	DC R
Fair-rite	2512061027Y0	NCB1206B122TR	1200 Ohm I/O 1000 Ohm, DC R
Fair-rite	2512061217Y0	NCB1206B121TR	DC R
Fair-rite	2512061527Y0	NCB1206B152TR	N/A
Fair-rite	2512063007Y0	NCB1206B320TR	32 Ohm I/O 30 Ohm, DC R
Fair-rite	2512063017Y0	NCB1206B401TR	400 Ohm I/O 300 Ohm, DC R
Fair-rite	2512065007Y0	NCB1206B500TR	N/A
Fair-rite	2512066017Y0	NCB1206B601TR	N/A
Fair-rite	2512067007Y0	NCB1206B700TR	DC R
Fair-rite	2512067007Y1	NCB1206B680TR	68 Ohm I/O 70 Ohm
Fair-rite	2512069007Y0	NCB1206B900TR	DC R & I
Fair-rite	2518061017Y0	NCB1806B101TR	DC R & I
Fair-rite	2518061517Y0	NCB1806B151TR	DC R & I
Fair-rite	2518066007Y0	NCB1806B600TR	DC R
Fair-rite	2518068007Y0	NCB1806B800TR	DC R & I
Fair-rite	2518068007Y1	NCB1806E910TR	91 Ohm I/O 68 Ohm



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Manufacturer	Competitors P/N	NIC P/N	Exceptions
J.W. Miller	PMB0805-1	NCB0805A110TR	11 Ohm I/O 10 Ohm
J.W. Miller	PMB0805-2	NCB0805A170TR	17 Ohm I/O 15 Ohm, DC I
J.W. Miller	PMB1206-1	NCB1206B320TR	30 Ohm I/O 32 Ohm, DC R
J.W. Miller	PMB1206-2	NCB1206B320TR	30 Ohm I/O 35 Ohm, DC R
J.W. Miller	PMB1210-1	NCB1210C600TR	60 Ohm I/O 65 Ohm, DC R
J.W. Miller	PMB1210-2	NCB1210C800TR	80 Ohm I/O 65 Ohm, DC R
J.W. Miller	PMB1806-1	NCB1806E600TR	60 Ohm I/O 50 Ohm, DC R
J.W. Miller	PMB1806-2	NCB1806E600TR	N/A
J.W. Miller	PMB1812-1	NCB1812D121TR	120 Ohm I/O 100 Ohm
J.W. Miller	PMB1812-2	NCB1812D121TR	DC R
J.W. Miller	PMC0603-101	NCB0603R121TR	120 Ohm I/O 100 Ohm
J.W. Miller	PMC0603-151	NCB0603R221TR	220 Ohm I/O 150 Ohm, DC I
J.W. Miller	PMC0603-300	NCB0603R300TR	DC I
J.W. Miller	PMC0603-301	NCB0603R301TR	DC I
J.W. Miller	PMC0603-600	NCB0603R600TR	DC I
J.W. Miller	PMC0603-601	NCB0603R601TR	DC I
J.W. Miller	PMC0805-101	NCB0805A121TR	120 Ohm I/O 100 Ohm
J.W. Miller	PMC0805-102	NCB0805A102TR	DC R & I
J.W. Miller	PMC0805-151	NCB0805A151TR	DC R & I
J.W. Miller	PMC0805-300	NCB0805A320TR	32 Ohm I/O 30 Ohm, DC R & I
J.W. Miller	PMC0805-301	NCB0805A301TR	DC R
J.W. Miller	PMC0805-600	NCB0805A800TR	80 Ohm I/O 60 Ohm, DC R
J.W. Miller	PMC0805-601	NCB0805A601TR	DC R
J.W. Miller	PMC1206-101	NCB1206B121TR	120 Ohm I/O 100 Ohm, DC R
J.W. Miller	PMC1206-102	NCB1206B122TR	1200 Ohm I/O 1000 Ohm, DC R & I
J.W. Miller	PMC1206-151	NCB1206B151TR	DC R & I
J.W. Miller	PMC1206-152	NCB1206B152TR	DC R
J.W. Miller	PMC1206-300	NCB1206B320TR	32 Ohm I/O 30 Ohm, DC R & I
J.W. Miller	PMC1206-300	NCB1206B401TR	400 Ohm I/O 300 Ohm, DC R & I
J.W. Miller	PMC1206-600	NCB1206B700TR	70 Ohm I/O 60 Ohm, DC R & I
J.W. Miller	PMC1206-601	NCB1206B601TR	N/A
J.W. Miller	PMC1806-152	NCB1806B101TR	DC R & I
J.W. Miller	PMC1806-152	NCB1806B151TR	DC R & I
J.W. Miller	PMC1806-152	NCB1806B600TR	DC R & I
J.W. Miller	PMH0603-100	NCB0603R270TR	27 Ohm I/O 10 Ohm
J.W. Miller	PMH0603-300	NCB0603R270TR	27 Ohm I/O 30 Ohm



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<b>Manufacturer</b>	<b>Competitors P/N</b>	<b>NIC P/N</b>	<b>Exceptions</b>
<b>J.W. Miller</b>	PMH0805-100	<b>NCB0805A390TR</b>	<b>39 Ohm I/O 10 Ohm</b>
<b>J.W. Miller</b>	PMH0805-400	<b>NCB0805A390TR</b>	<b>39 Ohm I/O 40 Ohm</b>
<b>J.W. Miller</b>	PMH1206-300	<b>NCB1206B680TR</b>	<b>68 Ohm I/O 30 Ohm</b>
<b>J.W. Miller</b>	PMH1206-700	<b>NCB1206B680TR</b>	<b>68 Ohm I/O 70 Ohm</b>
<b>J.W. Miller</b>	PMH1806-101	<b>NCB1806E910TR</b>	<b>91 Ohm I/O 100 Ohm</b>
<b>J.W. Miller</b>	PMH1806-600	<b>NCB1806E910TR</b>	<b>91 Ohm I/O 60 Ohm</b>



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Competitor	Competitors P/N	NIC P/N	Exceptions
Murata	BLM11A05	NCB0603R121TR	DC R
Murata	BLM11A12	NCB0603R221TR	DC R & I
Murata	BLM11A121S	NCB0603R121TR	DC R
Murata	BLM11A221S	NCB0603R221TR	DC R & I
Murata	BLM11A421S	NCB0603R451TR	450 Ohm I/O 420 Ohm, DC I
Murata	BLM11A601S	NCB0603R601TR	DC R & I
Murata	BLM11B141D	NCB0603R121TR	120 ohm I/O 140 ohm
Murata	BLM11B421D	NCB0603R451TR	450 ohm I/O 420 ohm, DC I
Murata	BLM11B601D	NCB0603R601TR	DC I
Murata	BLM11B750D	NCB0603R800TR	80 ohm I/O 75 ohm
Murata	BLM11B750D	NCB0603R800TR	N/A
Murata	BLM11P11	NCB0603R600TR	DC I
Murata	BLM11P20	NCB0603R270TR	27 Ohm I/O 30 Ohm
Murata	BLM11P300S	NCB0603R270TR	27 Ohm I/O 30 Ohm
Murata	BLM11P600S	NCB0603R600TR	DC I
Murata	BLM21A05	NCB0805A121TR	N/A
Murata	BLM21A10	NCB0805A601TR	N/A
Murata	BLM21A102S	NCB0805A102TR	DC R & I
Murata	BLM21A102S	NCB0805R102TR	DC R & I
Murata	BLM21A11	NCB0805A401TR	N/A
Murata	BLM21A121S	NCB0805A121TR	N/A
Murata	BLM21A20	NCB0805A601TR	N/A
Murata	BLM21A401S	NCB0805A401TR	N/A
Murata	BLM21A601S	NCB0805A601TR	N/A
Murata	BLM21B03	NCB0805A110TR	N/A
Murata	BLM21B050S	NCB0805A110TR	N/A
Murata	BLM21B102S	NCB0805A102TR	DC R & I
Murata	BLM21B102S	NCB0805R102TR	DC R & I
Murata	BLM21B201S	NCB0805A221TR	N/A
Murata	BLM21B30	NCB0805A221TR	N/A



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Competitor	Competitors P/N	NIC P/N	Exceptions
<b>Murata</b>	BLM21B601S	<b>NCB0805A601TR</b>	<b>N/A</b>
<b>Murata</b>	BLM21P300S	<b>NCB0805A390TR</b>	<b>39 Ohm I/O 30 Ohm</b>
<b>Murata</b>	BLM31A02	<b>NCB1206B700TR</b>	<b>DC R &amp; I</b>
<b>Murata</b>	BLM31A260S	<b>NCB1206B260TR</b>	<b>N/A</b>
<b>Murata</b>	BLM31A601S	<b>NCB1206B601TR</b>	<b>N/A</b>
<b>Murata</b>	BLM31A700S	<b>NCB1206B700TR</b>	<b>DC I &amp; R</b>
<b>Murata</b>	BLM31B601S	<b>NCB1206B601TR</b>	<b>N/A</b>
<b>Murata</b>	BLM31P500S	<b>NCB1206B680TR</b>	<b>68 Ohm I/O 50 Ohm</b>
<b>Murata</b>	BLM32A06	<b>NCB1206B601TR</b>	<b>N/A</b>
<b>Murata</b>	BLM32A07	<b>NCB1206B601TR</b>	<b>N/A</b>
<b>Murata</b>	BLM41A01	<b>NCB1806B800TR</b>	<b>DC I</b>
<b>Murata</b>	BLM41A04	<b>NCB1806B151TR</b>	<b>N/A</b>
<b>Murata</b>	BLM41A151S	<b>NCB1806B151TR</b>	<b>N/A</b>
<b>Murata</b>	BLM41A800S	<b>NCB1806B800TR</b>	<b>DC I</b>
<b>Murata</b>	BLM41P01	<b>NCB1806E910TR</b>	<b>91 Ohm I/O 80 Ohm</b>
<b>Murata</b>	BLM41P02	<b>NCB1806E910TR</b>	<b>91 Ohm I/O 75 Ohm</b>
<b>Murata</b>	BLM41P750S	<b>NCB1806E910TR</b>	<b>91 Ohm I/O 75 Ohm</b>
<b>Murata</b>	BLM41P800S	<b>NCB1806E910TR</b>	<b>91 Ohm I/O 80 Ohm</b>





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Steward	HI0805N310R	NCB0805A390TR	39 Ohm I/O 31 Ohm
Steward	HI1206N500R	NCB1206B680TR	68 Ohm I/O 50 Ohm
Steward	HI1806J800R	NCB1806E910TR	91 Ohm I/O 80 Ohm
Steward	LI0603A221R	NCB0603R221TR	N/A
Steward	LI0603B121R	NCB0603R121TR	N/A
Steward	LI0603B680R	NCB0603R800TR	80 Ohm I/O 60 Ohm
Steward	LI0805B151R	NCB0805A151TR	N/A
Steward	LI0805C121R	NCB0805A121TR	DC R & I
Steward	LI0805D121R	NCB0805A121TR	DC R & I
Steward	LI0805E400R	NCB0805A390TR	39 Ohm I/O 40 Ohm
Steward	LI0805F110R	NCB0805A110TR	N/A
Steward	LI1206B900R	NCB1206B900TR	N/A
Steward	LI1206C900R	NCB1206B900TR	N/A
Steward	LI1206E260R	NCB1206B260TR	N/A
Steward	LI1206E310R	NCB1206B320TR	32 Ohm I/O 31 Ohm
Steward	LI1210D600R	NCB1210C600TR	N/A
Steward	LI1806B151R	NCB1806E151TR	N/A
Steward	LI1806C800R	NCB1806E800TR	DC I
Steward	LI1806E101R	NCB1806E101TR	DC I
Steward	LI1812C121R	NCB1812D121TR	N/A
Steward	MI0805K400R	NCB0805A390TR	39 Ohm I/O 40 Ohm
Steward	MI1206K310R	NCB1206B680TR	68 Ohm I/O 31 Ohm
Steward	MI1806J800R	NCB1806E910TR	91 Ohm I/O 80 Ohm



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TDK	ACB1608H-030-T	NCB0603R300TR	DC I
TDK	ACB1608H-060-T	NCB0603R600TR	N/A
TDK	ACB1608H-120-T	NCB0603R121TR	N/A
TDK	ACB1608H-300-T	NCB0603R301TR	N/A
TDK	ACB1608L-030-T	NCB0603R300TR	DC I
TDK	ACB1608L-060-T	NCB0603R600TR	DC I
TDK	ACB1608L-120-T	NCB0603R121TR	N/A
TDK	ACB1608L-300-T	NCB0603R301TR	DC I
TDK	ACB1608M-080-T	NCB0603R800TR	DC I
TDK	ACB1608M-120-T	NCB0603R121TR	N/A
TDK	ACB1608M-300-T	NCB0603R301TR	DC I
TDK	ACB1608M-600-T	NCB0603R601TR	N/A
TDK	ACB2012H-015-T	NCB0805A170TR	17 Ohm I/O 15 Ohm
TDK	ACB2012H-030-T	NCB0805A320TR	30 Ohm I/O 32 Ohm
TDK	ACB2012H-060-T	NCB0805A800TR	60 Ohm I/O 80 Ohm
TDK	ACB2012H-120-T	NCB0805A121TR	N/A
TDK	ACB2012H-300-T	NCB0805A301TR	N/A
TDK	ACB2012H-600-T	NCB0805A601TR	N/A
TDK	ACB2012L-015-T	NCB0805A170TR	17 Ohm I/O 15 Ohm, DC I
TDK	ACB2012L-030-T	NCB0805A320TR	32 Ohm I/O 30 Ohm
TDK	ACB2012L-060-T	NCB0805A800TR	80 Ohm I/O 60 Ohm
TDK	ACB2012L-120-T	NCB0805A121TR	DC I
TDK	ACB2012L-300-T	NCB0805A301TR	DC I
TDK	ACB2012L-600-T	NCB0805A601TR	N/A
TDK	ACB2012M-040-T	NCB0805A390TR	N/A
TDK	ACB2012M-080-T	NCB0805A800TR	N/A
TDK	ACB2012M-120-T	NCB0805A121TR	DC I
TDK	ACB2012M-300-T	NCB0805A301TR	N/A
TDK	ACB2012M-600-T	NCB0805A601TR	N/A
TDK	ACB3216L-800-T	NCB1206B900TR	90 Ohm I/O 80 Ohm
TDK	ACB3216M-600-T	NCB1206B601TR	N/A
TDK	HF30ACC201209-T	NCB0805A390TR	39 Ohm I/O 7 Ohm
TDK	HF30ACC321611-T	NCB1206B680TR	68 Ohm I/O 19 Ohm
TDK	HF50ACC201209-T	NCB0805A390TR	39 Ohm I/O 11 Ohm
TDK	HF50ACC321611-T	NCB1206B680TR	68 Ohm I/O 31 Ohm
TDK	HF70ACC201209-T	NCB0805A390TR	39 Ohm I/O 10 Ohm
TDK	HF70ACC321611-T	NCB1206B680TR	68 Ohm I/O 26 Ohm



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**CROSS REFERENCE GUIDE**  
**PRODUCTS: SMT FERRITE CHIP BEADS**  
***SERIES: NCB***

**NOTES:**

1. Crosses are based upon comparison and review of competitors specification data sheets available at time of document creation (01/2000).
2. Samples and Engineering Kits (150 Pieces - Ferrite Chip Beads - 18 Values, 0603 - 3119 sizes). [Design Engineering Kits](http://www.niccomp.com/EngKit.html-ssi) [http://www.niccomp.com/EngKit.html-ssi] are available for in-circuit evaluation. Contact NIC at [Contact Us](http://www.niccomp.com/contact.html-ssi) [http://www.niccomp.com/contact.html-ssi]

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