

Cross Reference Guide

Surface Mount Aluminum Electrolytic Cross-Reference													
NIC Series	Page	Description	BC	Elna	Kemet	Jamicon	Lelon	NEC	Nichicon	Panasonic	Rubycon	Sanyo	United Chemicon
NACE	1	V-Chip Can 85°C	***	RV,RV2 RV3	***	CS	RV RV2	***	UUR,UWX UUG	VA VS	REV	CV-C CV-BS	MV
NACEN	17	V-Chip Can Non-Polar 85°C	***	RVB	***	***	RVB	***	UWP	VS-N	NEV	CV-NP	MVBP
NACEW NACH	6 8	V-Chip Can 105°C	150 CLZ 153 CVL	RVL,RVJ RVS	***	CT	RVS	***	UUV,UWT UUT,UUX	VG,VV HA,HB	RGV RKV	***	MVK MVJ
NACK	26	V-Chip Can Very Low ESR 105°C	***	***	***	***	***	***	***	EEVFK	***	***	***
NACHL	13	V-Chip Can Extended Life 105°C	***	***	***	CH	***	***	UUV	***	***	***	***
NACL	5	V-Chip Can Low Leakage 85°C	***	***	***	***	***	***	***	***	***	***	***
NACM	22	Molded Chip Low Profile 105°C	***	***	***	***	***	***	***	***	RCH	***	MF MFK
NACP	4	V-Chip Can Low Profile 4.6mm, 85°C	***	***	***	***	***	***	UZS	***	***	CV-BD	***
NACS	3	V-Chip Can Low Profile 5.5mm, 85°C	***	***	***	***	RV3	***	***	***	***	CV-BBS	***
NACT	12	V-Chip Can Extended Temperature 125°C	140 CLH	RVK RTK	***	***	***	***	UUB UUH	***	***	CV-PX	***
NACV NACVF	10, 11	V-Chip Can High Voltage 105°C	***	***	***	***	***	***	UUG UUJ	***	***	***	***
NACX	13	V-Chip Can 5.5mm Hgt. Low Z, 105°C	***	RVH	***	***	***	***	UWF	FC	RZV	CV-GX	***
NACZ NACZF	14, 16	V-Chip Can Low Z, 105°C	***	RVH	***	CL	***	***	UWF UUJ	FC	***	CV-GX	***
NSPE	28	V-Chip Can Ultra Low Z 105°C	***	***	***	***	***	***	***	EEVFK	ZAV	SV	***
NSPZ	32	V-Chip Can Ultra Low Z 105°C	***	***	***	***	***	***	PNA	***	***	SVP SVQP	***
NSP	20	Molded Chip Solid Aluminum 105°C	***	***	A700	***	***	PSL	***	CD	***	***	***

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LEADED ALUMINUM ELECTROLYTIC CAPACITORS (Part 1)															
NIC Series	Page	Description	BC	ELNA	EPCOS	Illinois Cap	Jamicon	Lelon	Mallory	Nichicon	Panasonic	Rubycon	Sanyo	United Chemicon	Yageo
NLE	70	Low Leakage 7mm Height 85°C	***	RC2L	***	PLM	***	SLA	***	USL	***	***		***	***
NLEL	68	Low Leakage 85°C	013 RLC	RB(LL)	B41825	RLR RLS	***	RLA	***	UKL	Z	TWL		LLA	SB SG
NLES	72	Low Leakage 5mm Height 85°C	***	***	***	***	***	SSL	***	UML	***	***		***	***
NNR	73	Bi-Polar 85°C	***	RBP2	B42822	BPS	NK	RN	NKR	UVP	SU(N)	NA	HWN	SME-BP	SR
NRE-H	54	High Voltage 85°C	044 RSH	RE2 RE3 (>100V)	B43821 B43835	***	***	***	***	***	***	***		***	SK (>100V)
NRE-HW	60	High Voltage 105°C	151 RLH 152 RMH	***	***	***	***	***	***	***	***	BXA		***	***
NRE-L	52	Low Profile 85°C	***	RC	***	RSC RSS	***	***	***	URS UVS	SS	WA		SRG	SE-K (>100V)
NRE-LS	53	Low Profile, Reduced Size 85°C	***	RC	***	RSC RSS	***	***	***	URS UVS	SS	M59		SRC SRG	***
NRE-LW	59	Low Profile 85°C	***	***	***	***	***	***	***	URT URZ	***	WXA		KRG	***
NRE-S	63	7mm Height 85°C	097 RLP7	RC2	***	PUM	SS	SEA	SSR	USR USA	KA	MS7		SRAC, SRG	SS
NRE-SN	74	Bi-Polar, 7mm Height 85°C	***	RC2(B- P)	***	***	NS	SN	***	USP	KA(KN)	NW7	SWN	SRA-BP	***
NRE-SW	66	7mm Height 105°C	***	RC2S	***	PGM	SH	SG	***	UST	KG	MH7		KRG, KMA	***
NRE-SX	95	Low Impedance Low Profile, 7mm Height 105°C	***	***	***	***	SL	RVH	***	UMF USF	***	***	SAX	LXF, SXE SXG	***
NRE-WB	61	High Voltage, 105°C Lighting Ballast	***	***	***	***	TX					BXA			
NRLF	111	Snap In, Low Profile 20mm Height, 85°C	***	LP4 LP5	***	***	LS	***	***	***	TS-UP	***		***	***
NRLF	119	Snap In, Low Profile 20mm Height, 105°C	***	LP4 LP5	***	***	HS	***	***	LGE	TS-HA	MXF		***	***
NRLM	108	Snap In, High CV New Size, 85°C	157 PUM-SI	LP3 LP4 LP5	B41303 B43303 B43501	LBA LPR	LP	LS	LPW LPX	LLK LLQ	TS-UP TS-U	USP USR		SMH 82 DA	LH LX
NRLMW	116	Snap In, High CV Compact Size, 105°C	159 PUL-SI	LPE LPH LPG LP3J	B41505 B43504 B43505	LMU	HP	LSG	LP	LGQ LGU	TS-NH TS-HA	MXC MXR		KMH 81 DA	LM

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LEADED ALUMINUM ELECTROLYTIC CAPACITORS (Part 2)															
NIC Series	Page	Description	BC	ELNA	EPCOS	Illinois Cap	Jamicon	Lelon	Mallory	Nichicon	Panasonic	Rubycon	Sanyo	United Chemicon	Yageo
NRSA	48	Current Size, 85°C	037RSM	RE2	B41822 B41835	CKR	SK	REA	SKR	UVX	SU(ECEA)	TWSS	***	SME	SK (≤100V)
NRSG	98	Very Low ESR, Long Life 105°C	150RMI	RJB	***	***	***	***	***	UHD	EECFA	ZL	***	***	***
NRSJ	100	Ultra Low ESR 105°C	***	***	***	***	***	***	***	UHM	***	MBZ YXG ZA	SH	KZE	***
NRSK	102	Very Low ESR 105°C	***	***	***	***	***	***	***	UHM	***	MBZ ZLH	MV-WG	***	***
NRSS	50	New Reduced Size 85°C	038RSU	RE3	B41821	CKS	SM	***	***	UVR	M	YK	***	SMG	***
NRSX	87	Very Low Impedance Compact Size, 105°C	136RVI	***	B41856 B41859	***	TL	***	***	UPW	FA, FC	***	***	LXV, LXZ LXZ	***
NRSY	93	Low Impedance Miniature Size, 105°C	150RMI	***	***	***	WL	RXA	***	***	***	JXB	***	***	***
NRSZ	76	Low Impedance Compact size, 105°C	135RLI	RSH RSE RSG	B41857	RZM LSR	WG	RXJ RXK	VTZ	UPJ UPY UPL UPF	GA, FB HFQ, HFG	YXF GXF	***	LXF, LXV KMF, LXJ SXE	SC SD SX
NRWA	55	Current Size, 105°C	047RMS 048RML	RJ3	B42822 B42823	RMR CKH	TK	RGA RJA	TKR TMR	UPR UVZ	NHE (ECEA)	SSP	***	KME (VB)	SE-K SH (≤100V)
NRWS	57	Reduced Size, 105°C	148RUS	RJ4	B41851	***	TM	RGA RJA	***	UVZ	MH NHG	YXA	***	KMG (VB)	***
NRWX	62	Extended Temperature, 125°C	140RTM	RKA (130°C)	B41866	***	WB	***	***	***	***	RX30 (130°C)	PX	***	***
NSPER	104	Low Impedance Hybrid Electrolyte 105°C	***	***	***	***	***	***	***	UHM UHN	***	***	MB-EXR	***	***
NSPZR	105	Ultra Low Impedance Solid Electrolyte 105°C	***	***	***	***	SC	***	***	***	***	***	SEP SP	FA	***
NSR	64	5mm Height, 85°C	134 RLP 5	RC3	B41820	***	SV	SS	***	UMA	KS	MS5	***	SREC	S5
NSRN	75	Bi-Polar, 5mm Height, 85°C	***	RC3 (BP)	***	PBM	NT	SSN	***	UMP	KS(SN)	NW5	***	SRE-BP	***
NSRW	67	5mm Height, 105°C	***	RC3S	B41852	***	ST	SSG	***	UMT	***	MH5	***	KRE	***
NSRZ	97	Very Low Impedance, 5mm Height, 105°C	***	***	***	***	***	RVH	***	USF	***	***	***	LXF SXG	***
NSTE	113	Screw Terminal, High CV, 85°C	086 PS-ST 087 PS-ST 012 HRC-ST	***	B41456 B43455 B43456 B43586	***	KP	***	***	LNR LNZ	EEGAA	LSQ	***	U36D	***
NSTEW	121	Screw Terminal, High CV, 105°C	088 PHC-ST 089 PHC-ST	***	B41550 B43550 B43570 B43650	***	RP	***	***	LNT LNZ	EEGBA	LSW	***	U32D	***

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SURFACE MOUNT TANTALUM CAPCITOR CROSS-REFERENCE											
NIC Series	Page	Description	AVX (KYOCERA)	Kemet	KOA/ Hitachi	Matsuo	NEC	Nichicon	Panasonic	Sanyo	Vishay
NTP	131	Molded, Polymer - Tantalum	***	T510	***	***	PSL PSN	***	***	TPA TPB TPC	***
NTC-T	124	Molded, Tantalum Chip EIA Sizes-J,P, ,B,C,D	TAJ	T491	TMC TMC-M	265 267	NR	F93	TE(ECST)	***	293D
NTC-L	129	Molded, Tantalum Chip Low ESR	TPS	T495	TMC-R	***	SVZ	***	***	***	593D

LEADED TANTALUM CROSS-REFERENCE								
NIC Series	Page	Description	AVX	Kemet	Nemco	Mallory	Panasonic	Sprague
NDTM	134	Radial, Resin Dipped	TAP	T350 to T390	TB PDT	TDC TDL	ECSF	196D 199D

SURFACE MOUNT CERAMIC CROSS-REFERENCE												
NIC Series	Page	Description	AVX (KYOCERA)	EPCOS	Kemet	KOA	Murata	Panasonic	Phillips	TDK	Vitramon	Yageo
NMC0201	137	EIA 0201 Size Nickel Barrier Termination NPO X7R, X5R,Y5V	0201	***	C0201	0201	GRM03	ECU (Z)	CXXXX0201	CC0201	VJ0201	CC0201
NMC0402	137	EIA 0402 Size Nickel Barrier Termination NPO X7R, X5R,Y5V	0402	B37920	C0402	0402	GRM15	ECU (0)	CXXXX0402	CC0402	VJ0402	CC0402
NMC0603	137	EIA 0603 Size Nickel Barrier Termination NPO, X7R, X5R,Y5V	0603	B37930	C0603	0603	GRM18	ECU (1)	CXXXX0603	CC0603	VJ0603	CC0603
NMC0805	137	EIA 0805 Size Nickel Barrier Termination NPO, X7R, X5R,Y5V	0805	B37940	C0805	0805	GRM21	ECU (2)	CXXXX0805	CC0805	VJ0805	CC0805
NMC1206	137	EIA 1206 Size Nickel Barrier Termination NPO, X7R, X5R,Y5V	1206	B37871	C1206	1206	GRM31	ECU (3)	CXXXX1206	CC1206	VJ1206	CC1206
NMC1210	137	EIA 1210 Size Nickel Barrier Termination NPO, X7R, X5R,Y5V	1210	B37949	C1210	1210	GRM32	ECU (4)	CXXXX1210	CC1210	VJ1210	***

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LEADED CERAMIC CAPACITOR CROSS-REFERENCE								
NIC Series	Page	Description	AVX (KYOCERA)	Illinois Capacitor	Kemet	Mallory	Panasonic	Phillips
NCD	159	Radial, Disc, Temperature Compensating	***	BCR	***	CEC, CMC CPC	ECC	D DTZ
NCD	161	Radial, Disc, Hi-K Type	***	GCR GHR	***	GE, GH GM, GP, GS	ECK	DD
NCD	163	Radial, Disc, Semi-Conductive Type	***	GMR GQR	***	LC, LE	ECF	DD
NCM	168	Radial, Multi-Layer, Epoxy Dip	SR	***	C315~C350	M	ECU-S	K, CN CW,CZ
NCMA	170	Axial, Multi-Layer, Conformal Coated	SA	***	C410~C440	P	***	A, A40 A41, A43

SURFACE MOUNT FILM CAPACITOR CROSS-REFERENCE									
NIC Series	Page	Description	Cornell	ITW Paktron	Mallory	Panasonic	Phillips	Rifa-Evox	Wima
NSFC	173	PEN Film	FCN	SN	198	ECWU(B)	***	GMC	SMD2220 SMD2824
NSWC	175	PEN Film	***	***	198	ECWU(B) ECWU(X)	***	GMC	SMD2220 SMD2824
NSPC	177	PPS Film	FCP	***	***	ECHU(B)	PPS-390-394	SMC	***
NSHC	179	PPS Film	***	***	***	ECHU(B) ECHU(X)	PPS-390-394	SMC	***
NSPU	181	Acrylic Film	FCA	***	***	ECPU	***	***	***

LEADED FILM CAPACITOR CROSS-REFERENCE									
NIC Series	Page	Description	Cornell Dubilier	Illinois Capacitor	Mallory	Nichicon	Panasonic	Phillips	Tecate
NEM	184	Polyester Film, Radial, Dipped	DLR DLM	UMR	***	QYX	***	***	92
NRM NRM-S	187 188	Metallized Polyester Film, Radial, Dipped	DMM	MSR	***	QXJ QXN	ECQ-E	MKT	914
NTM	189	Metallized Polyester Film, Axial Wrap and Fill	MMWA	MWR	150	QAS	***	***	901

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SURFACE MOUNTVARISTOR CROSS-REFERENCE								
NIC Series	Page	Description	AVX	Harris	Panasonic	Siemens	Teccor	United Chemi-Con
NVS	209	Multilayer Flat Chip 0603, 0805, 1206, 1210 30-500A, 3.6-60V	VA VC	CH/ML	CN 1210 SR 1210	CN	ML /MLA	TNR

NIC Series	Page	Description	Central Semi	FCI	G.I.	Intl. Rect.	Rectron	ROHM
NRD	250	Flat Rectangular Chip SMA (1N4001 ~ 1N4007) 50V~1000V	CMR1	F1-F8	GF1	SM	FM	1SR154
NSD	252	Flat Rectangular Chip SMA (1N5817 ~ 1N5819) 20V~60V	CMSH	***	SS1	***	FM1	RB160L

SURFACE MOUNT RESISTOR CROSS-REFERENCE												
NIC Series	Page	Description	Allen-Bradley	Bourns	Dale	IRC	Kamaya	KOA	Panasonic	ROHM	SEI	Yageo
NRC	196	Rectangular Flat Chips 0201, 0402, 0603, 0805, 1206, 1210 Sizes	BC	CR	CRCW	CHF	RMC	RM73 RK73	ERJ	MCR	RMC	RC RGC
NRSNA4I2	203	1x1mm Rectangular Flat Convex Resistor Networks (2 element 1/16W isolated)	***	***	CRA04S04	***	RAC102D...C	***	EXB24V	MNR02	***	***
NRSNA4I4	203	2x1mm Rectangular Flat Convex Resistor Networks (4 element 1/32W isolated)	***	***	CRA04S08	***	RAC104D...C	CN1E4	EXB28V	MNR04	***	YC12
NRSNA6I4	203	1206 Rectangular Flat Convex Resistor Networks (4 element 1/16W isolated)	***	CAY16	CRA06E CRA06P CRA06S	***	RAC164D...B	***	EXB38V	MNR14	***	YC16
NRSNØ6I4	203	1206 Rectangular Flat Concave Resistor Networks (4 element 1/16W isolated)	***	CAT16	***	***	RAC164D...C	CN1J4	EXBV8V	***	***	***
NRSNØ6C8 (Pin 1 & 6 common)	203	2512 Rectangular Flat Concave Resistor Networks (8 element 1/16W bussed)	***	***	***	***	***	CND2B10V	EXBA10E	MNR35 (Convex)	***	YC35 (Convex)
NRSNØ6D8 (Pin 5 & 10 common)	203	2512 Rectangular Flat Concave Resistor Networks (8 element 1/16W bussed)	***	***	***	***	RAC16 8U convex I/O concave	***	EXBA10P	***	***	YC15 (Convex)
NRSN12I4	203	2012 Rectangular Flat Concave Resistor Networks (4 element 1/8W isolated)	***	***	***	***	***	CN2B4J	***	MNR34	***	YC32 (Convex)

LEADED RESISTOR CROSS-REFERENCE										
NIC Series	Page	Allen-Bradley	BC	Dale	IRC	KOA	PHILLIPS	RCD	ROHM	SEI
NCF	212	***	***	***	CF	CF	CR	CF	R	CF
NMR	214	RNK	SFR	CCF	GP	MF	***	GP	CRB	RN
NMO	216	***	***	***	MO MOM	RSS MO	***	RSF	CRH	RSM

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SURFACE MOUNT INDUCTOR CROSS-REFERENCE												
NIC Series	Page	Description	Coilcraft	Coiltronics	Dale	Delevan	KOA	Murata	Panasonic	Taiyo-Yuden	TDK	Toko
NML04	240	Multilayer 0402	***	***	ILC0402	***	MHL1E	LQG15H	***	HK1005	MLK1005	LLP1005FH
NML06	240	Multilayer 0603	***	***	ILC0603	***	MHL1J	LQG18H	***	HK1608	MLG1608	LLP1608F
NIS02	236	Spiral 0201 Size	***	***	***	***	***	LQP03T	***	***	***	LLV0603FB
NIS04	236	Spiral 0402 Size	***	***	IMC0402	***	KQ0402	LQP10A	ELJ-RF	***	***	***
NIS06	236	Spiral 0603 Size	***	***	IMC0603	***	KQ0603	LQP11A	ELJ-RE	***	MLF1608 MLF0603 MLR1608 MLR0603	LL1608
NIN-HK	231	Wirewound High Current 0402 Size	0402CS	***	***	***	***	***	***	***	***	***
NIN-HJ	231	Wirewound High Current 0603 Size	0603CS 0603HS	***	***	***	***	LQW18A	***	***	***	LLQ1608
NIN-HD	231	Wirewound High Current 0805 Size	0805CS 0805CT 0805HS	***	IFC-0805	0805	KQ0805	LQW2B	ELJ-ND	***	MLF2012 MLF0805	LL2012-F LL2012-FH LLQ2012
NIN-HC	231	Wirewound High Current 1008 Size	1008CS 1008CT 1008HS	***	***	1008WW	KQ1008	***	***	***	ACL1008 NL1008 NL252018	***
NIN-PC NIN-FC NIN-NC	220	Molded Wirewound 1008 Size	1008LS	***	***	1008 1010 4302	KL25	***	ELJ-FC ELJ-SC ELJ-NC	LEM2520	NL1008 NL252018	380NB
NIN-PA NIN-NA NIN-FA	220	Molded Wirewound 1210 Size	***	CTX32T CTX32CT	IMC1210 ISC1210	1210	KL32	LQN2A LQH3N LQH3C	ELJ-NA ELJ-FA ELJ-SA	LEM3225	NL1210 NL322522 NLC1210 NLC322522	300LS
NIN-FB	220	Molded Wirewound 1812 Size	1812LS 1812CS	***	IMC1812	1812	***	LQN4N LQH4N	***	LEM4532	NL1812 NL453232 NLC1812 NLC453232	***
NPI84	244	Open Frame Wirewound High Power	D03316P	UP2B	***	***	***	***	***	***	***	***

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Additional cross-reference information is available at www.niccomp.com, www.lowESR.com and www.RFpassives.com.

