

Analog Cross Reference

Allegro (Sprague)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
A8184	MIC5207		
A8187	MIC5207		
A8188	MIC5209		
UCN4807	MIC4807		
UCN5800	MIC5800		
UCN5801	MIC5801		
UCN5821	MIC5821		
UCN5822	MIC5822		
UCN5841	MIC5841		
UCN5842	MIC5842		
UCN5891	MIC5891		
UDN2981	MIC2981		
UDN2982	MIC2982		

Analog Devices

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
ADM705	MIC705		
ADM706/P/R/S/T	MIC706/P/R/S/T		
ADM707	MIC707		
ADM708/R/S/T	MIC708/R/S/T		
ADM809	MIC809		
ADM810	MIC810		
ADM811	MIC811		
ADM812	MIC812		
ADM1073		MIC2588-2	
ADM1232	MIC1232		
ADM1810	MIC1810		
ADM1815	MIC1815		
ADM6315	MIC6315		
ADP3300		MIC5255/6	MIC5255/6 has improved I_{OQ} and higher output current drive.
ADP3301		MIC5255/6	MIC5255/6 is in a much smaller package, has improved I_{OQ} and higher output current drive.
ADP3302		MIC5250	MIC5250 is in a much smaller package, has improved I_{OQ} and higher output current drive.
ADP3303		MIC5249	MIC5249 is in a much smaller package.
ADP3303A		MIC5239	MIC5239 has improved I_{OQ} and wider input range.
ADP3307		MIC5255/MIC5256	MIC5255/6 has higher output current drive.
ADP3308	MIC5256		MIC5256 has higher output current drive.
ADP3309	MIC5256		MIC5256 has higher output current drive.
ADP3310		MIC5159	MIC5159 is in a much smaller package, wider input range, and lower power consumption.
ADP3330		MIC5235	MIC5235 has improved I_{OQ} , wider input range, but lower output current drive.
ADP3331		MIC5235	MIC5235 has improved I_{OQ} , wider input range, but lower output current drive.
ADP3333		MIC5239	MIC5239 has improved I_{OQ} and wider input range.
ADP3334		MIC5239	MIC5239 has improved I_{OQ} and wider input range.
ADP3335		MIC5239	MIC5239 has improved I_{OQ} and wider input range.
ADP3336		MIC5239	MIC5239 has improved I_{OQ} and wider input range.
ADP3338	MIC37138	MIC39100	Shares same package, different pin arrangement.
ADP3339	MIC37139	MIC37150/MIC49150	MIC37150/MIC49150 has lower output voltages, wider input range, enable pin and adjustable output voltage options.

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Analog Devices (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
ADP3342		MIC5248/MIC5258	MIC5248/MIC5258 is in a much smaller package, but has lower output current drive.
ADP3820		MIC79050	MIC79050 has integrated FET.
AD8022		MIC911	
AD8041		MIC914	
AD8055/6		MIC913/MIC914	
AD8057/8		MIC913/MIC911	
AD8061/2/3		MIC913/MIC910	
AD817/847		MIC910	

Advanced Analog Technology

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
AAT3215	MIC5247/5255/5305		MIC5305 has higher PSRR and lower dropout.
AAT3220		MIC5255	MIC5255 has enable pin and noise reduction pin functions.
AAT3221	MIC5255/5247		MIC5255 has noise reduction pin function.
AAT3222		MIC5255	MIC5255 has noise reduction pin function.
AAT3236	MIC5319, MIC5219	MIC5249	MIC5319 has higher performance, MIC5249 is in a slightly bigger package but comes with power-on-reset function.
AAT3242		MIC221x	MIC221x has much higher performance (lower dropout & ground current, smaller C _{OUT}).
AAT4280		MIC94060/1	

Analog Microelectronics

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
AME1084	MIC29502		
AME1085	MIC29302		
AME1117	MIC39100/1/2		
AME8800	MIC5255		
AME8801	MIC5319, MIC5219		MIC5319 has much higher performance.
AME8802	MIC5246		
AME8805/6	MIC5209		
AME8807	MIC5209		
AME8810	MIC5209		
AME8815	MIC39150/1		
AME8816	MIC39151		
AME8820	MIC5255		

Calogic

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
CLM1117	MIC39100		
CLM2805	MIC5255		
CLM2810	MIC39102		
CLM2815	MIC2915x/MIC3915x		
CLM2830	MIC2930x		
CLM2850	MIC2950x		
CLM2930/1	MIC5236		
CLM2950	MIC2950/1		
CLM5205	MIC5205		
CLM4420	MIC4420		
CLM4429	MIC4429		
CLM4426	MIC4426		
CLM4427	MIC4427		

Notes:

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Calogic (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
CLM4428	MIC4428		
LP2950	LP2950		
LP2951	LP2951		

Dallas Semiconductor (Maxim)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
DS1232	MIC1232		
DS1232LP	MIC1232		
DS1705	MIC705		
DS1706/P/R/S/T	MIC706/P/R/S/T		
DS1707	MIC707		
DS1708/R/S/T	MIC708/R/S/T		
DS1810	MIC1810		
DS1815	MIC1815		
DS1832	MIC1832		

EM Microelectronics – Marin S.A.

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
V6309	MIC809		
V6319	MIC810		

Fairchild Semiconductor

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
FAN1084		MIC2950x/MIC3950x	MIC2950x/MIC3950x has improved dropout performance.
FAN1086		MIC2915x/MIC3915x	MIC2915x/MIC3915x has improved dropout performance.
FAN1112		MIC3715x	MIC3715x has improved dropout performance, higher output current drive, and μ Cap capability.
FAN1117A		MIC3910x	MIC3910x has improved dropout performance.
FAN1581		MIC3750x, MIC29502	MIC3750x has improved dropout performance and μ Cap capability.
FAN1582		MIC3730x	MIC3730x has improved dropout performance and μ Cap capability.
FAN1585A		MIC3950x	MIC3950x has improved dropout performance.
FAN1587A		MIC3930x	MIC3930x has improved dropout performance.
FAN1589		MIC49150	MIC49150 has improved dropout performance and μ Cap capability.
FAN1616A		MIC5239	MIC5239 has wider input range, better I_o performance, and μ Cap capability. Available in smaller package.
FAN2500	MIC5255		MIC5255 has higher output current drive and improved PSRR performance.
FAN2501	MIC5256		MIC5256 has higher output current drive and improved PSRR performance.
FAN2502	MIC5255		MIC5255 has improved PSRR performance.
FAN2503	MIC5256		MIC5256 has improved PSRR performance.
FAN2504		MIC5249	MIC5249 has improved PSRR performance and on-board power-on-reset function. In a slightly bigger package.
FAN2505		MIC5249	MIC5249 has improved PSRR performance, noise reduction pin, and on-board power-on-reset function. In a slightly bigger package.
FAN2508	MIC5255		MIC5255 has higher output current drive and improved PSRR performance.
FAN2509	MIC5256		MIC5256 has higher output current drive and improved PSRR performance.
FAN2510	MIC5255		MIC5255 has higher output current drive and improved PSRR performance.
FAN2511	MIC5256		MIC5256 has higher output current drive and improved PSRR performance.
FAN2512	MIC5255		MIC5255 has improved PSRR performance.
FAN2513	MIC5256		MIC5256 has improved PSRR performance.

Notes:

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Fairchild Semiconductor (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
FAN2514	MIC5249		MIC5249 has improved PSRR performance and on-board power-on-reset function. In a slightly bigger package.
FAN2515		MIC5249	MIC5249 has improved PSRR performance, noise reduction pin, and on-board power-on-reset function. In a slightly bigger package.
FAN2518	MIC5255		MIC5255 has higher output current drive and improved PSRR performance.
FAN2519	MIC5256		MIC5256 has higher output current drive and improved PSRR performance.
FAN2558	MIC5252/5255/5238/5305		
FAN2559	MIC5252/5255/5238/5305		
FDG326P	MIC94052/3		MIC94052/3 have lower on-resistance.
FDG330P	MIC94052/3		MIC94052/3 have lower on-resistance.
ILC705	MIC705		
ILC706	MIC706		
ILC707	MIC707		
ILC708	MIC70		
ILC809	MIC809		
ILC810	MIC810		
ILC811	MIC811		
ILC812	MIC812		
ILC1232	MIC1232		
ILC1832	MIC1832		
ILC7010	MIC5213	MIC5255	MIC5255 is in a slightly bigger package with higher output current drive.
ILC7011	MIC5213	MIC5255	MIC5255 is in a slightly bigger package with higher output current drive.
ILC7062		MIC5239	MIC5239 has wider input range and much higher output current drive in a slightly bigger package.
ILC7070		MIC5235	MIC5235 has wider input range.
ILC7071	MIC5255		MIC5255 includes a noise reduction pin and higher output current drive.
ILC7080	MIC5255		MIC5255 has higher output current drive.
ILC7081	MIC5255		MIC5255 has higher output current drive.
ILC7082	MIC5255		
ILC7083	MIC5255		
ILC7280		MIC5250, MIC221x	MIC221x has higher performance and smaller package.
ILC7362		MIC5270	MIC5270 includes an enable function.
KA278Rxx		MIC2930x	MIC2930x has improved dropout performance and higher output current drive.
KA378Rxx		MIC2930x	MIC2930x has improved dropout performance.
KA76Lxx		MIC5236	MIC5236 has better I_o performance, enable pin function, and smaller package.
KA78Rxx		MIC2915x	MIC2915x has improved dropout performance and higher output current drive.
KA78RHxx		MIC39100	MIC39100 has improved dropout performance and smaller package.
KA78RL00D	LP2951		
KA78RMxx	MIC5209		
LM2931A		MIC5236	
LP2951	LP2951/MIC2951		MIC2951 has improved performance.
RC1117		MIC39100	MIC39100 offers lower V_{OUT} and improved dropout performance.
RC1584		MIC2975x	MIC2975x offers improves dropout performance.
RC1585		MIC2950x	MIC2950x offers improves dropout performance.
RC1587		MIC2930x	MIC2930x offers improves dropout performance.
RC1616		MIC5209	MIC5209 has smaller package and lower dropout.
RC2951	LP2951/MIC2951		MIC2951 has improved performance.

IMP

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
IMP705	MIC705		

Notes:

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2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

IMP (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
IMP706/P/R/S/T	MIC706/P/R/S/T		
IMP707	MIC707		
IMP708/R/S/T	MIC708/R/S/T		
IMP809	MIC809		Minor spec. differences, see data sheets.
IMP810	MIC810		Minor spec. differences, see data sheets.
IMP811	MIC811		Minor spec. differences, see data sheets.
IMP812	MIC812		Minor spec. differences, see data sheets.
IMP1232LP	MIC1232		
IMP1810	MIC1810		
IMP1815	MIC1815		
IMP1832	MIC1832		

Infineon (Siemens)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
TDA5200		MICRF002/MICRF003	

International Rectifier

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
IRU3037(A)		MIC2193	

Intersil (elantec)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
EL2044	MIC910/MIC912		
EL2244/2444	MIC910/MIC912		
EL5210	MIC913		
EL7104	MIC4420		
EL7114	MIC4429		
EL7202	MIC4424		
EL7212	MIC4423		
EL7222	MIC4425		
EL7513	MIC2287, MIC2289		
ICL7555	MIC1555		
ICL7660	MIC2660		
ICL7667	MIC4426		
ISL6140	MIC2588-1		
ISL6150	MIC2588-2		
HIP1011D		MIC2590	MIC2590 supports IPMI.
HIP2100	MIC4100		
HIP2101	MIC4101		

Linear Technology

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LM185		LM4040/LM4041	
LM285		LM4040/LM4041	
LM385		LM4040/LM4041	
LT1071		MIC2171	
LT1072		MIC2172	
LT1083		MIC2975x/MIC2971x	MIC2975x has improved dropout performance.
LT1084		MIC2950x/MIC2951x	MIC2950x has improved dropout performance.
LT1085		MIC2930x/MIC2931x	MIC2930x has improved dropout performance.

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Linear Technology (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LT1086		MIC2915x, MIC3715x	MIC2915x has improved dropout performance.
LT1117		MIC3910x	MIC3910x has improved dropout performance and smaller package options.
LT1120		MIC5236	MIC5236 has mCap capability, better I_o performance, and smaller package options.
LT1120A		MIC5236	MIC5236 has mCap capability, better I_o performance, and smaller package options.
LT1121		MIC5235/6	MIC5235/6 has mCap capability, better I_o performance, and smaller package options.
LT1129		MIC5239 MIC3975	MIC5239 has slightly less output current drive in a much smaller package with mCap capability and better I_o performance.
LT1160		MIC5022	
LT1171		MIC2171	
LT1172		MIC2172	
LT1188		MIC2505	
LT1232		MIC1232	
LT1241		MIC38C45/MIC38HC45	Improved alternative.
LT1242		MIC38C42/MIC38HC42	Improved alternative.
LT1243		MIC38C43/MIC38HC43	Improved alternative.
LT1244		MIC38C44/MIC38HC44	Improved alternative.
LT1245		MIC38C45/MIC38HC45	Improved alternative.
LT1265		MIC2179	
LT1301		MIC3172	
LT1303		MIC2570	
LT1307		MIC2571	
LT1521		MIC5239	MIC5239 has slightly more output current drive and includes an error flag function.
LT1528		MIC2930x	MIC2930x has improved dropout performance.
LT1529		MIC2930x	MIC2930x has improved dropout performance.
LT1573		MIC5159	MIC5159 comes in a smaller package and has μ Cap capability.
LT1575		MIC5159	MIC5159 comes in a smaller package and has μ Cap capability.
LT1580		MIC2975x	MIC2975x has improved dropout performance.
LT1584		MIC2975x/MIC2971x	MIC2975x has improved dropout performance.
LT1585		MIC2950x/MIC2951x	MIC2950x has improved dropout performance.
LT1585A		MIC2950x/MIC2951x	MIC2950x has improved dropout performance.
LT1587		MIC2930x/MIC2931x	MIC2930x has improved dropout performance.
LT1761	MIC5255		MIC5255 has slightly higher output current drive and better dropout performance.
LT1762		MIC5255	MIC5255 comes in a smaller package with better dropout performance.
LT1763		MIC5249	MIC5249 comes in a smaller package with a power-on-reset function, better dropout performance, and slightly lower output current drive.
LT1764	MIC3930x	MIC3730x	MIC3730x offers smaller package and μ Cap capability.
LT1806		MIC913/MIC911	
LT1809		MIC912	
LT1810		MIC913/MIC911	
LT1812		MIC913/MIC911	
LT1932		MIC2287	
LT1937	MIC2287BD5	MIC2287-xxBML	
LT1962		MIC5249	MIC5249 has power-on-reset function, better dropout performance.
LT1963	MIC3915x	MIC3715x	MIC3715x offers smaller package and μ Cap capability.
LT1964		MIC5270/5271	
LT3465		MIC2289	
LT4250L	MIC2588-2		
LT4250H	MIC2588-1		
LTC1155		MIC5016	
LTC1422	MIC2582		

Notes:

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Linear Technology (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LTC1530		MIC2169	MIC2169 offers a smaller solution.
LT1640L/AL	MIC2588-2		
LT1640H/AH	MIC2588-1		
LTC1642	MIC2085		
LTC1773	MIC2193		
LTC3405/6		MIC2202	MIC2202 offers a smaller solution.
LTC4211	MIC2582/MIC2583/2583R		

Maxim

Part Number	Direct Cross(1)	Functional Cross(2)	Comments
ICL7667	MIC4426		
MAX604		MIC5209	MIC5209 has noise reduction pin.
MAX613		MIC2558	
MAX614		MIC2557	
MAX626	MIC4426		
MAX627	MIC4427		
MAX628	MIC4428		
MAX663		MIC5235	MIC5235 comes in a smaller package.
MAX688		MIC5159	MIC5159 comes in a smaller package and has μ Cap capability.
MAX689		MIC5159	MIC5159 comes in a smaller package and has μ Cap capability.
MAX705	MIC705		
MAX706/P/R/S/T	MIC706/P/R/S/T		
MAX707	MIC707		
MAX708/R/S/T	MIC708/R/S/T		
MAX727		MIC4576	
MAX728		MIC4576	
MAX729		MIC4576	
MAX797		MIC2182	
MAX809	MIC809		
MAX810	MIC810		
MAX811	MIC811		
MAX812	MIC812		
MAX825	MIC2775		
MAX869		MIC2545A	
MAX882		MIC5239	MIC5239 comes in a smaller package with higher output current drive, and has μ Cap capability.
MAX883		MIC5239	MIC5239 comes in a smaller package with higher output current drive, and has μ Cap capability.
MAX884		MIC5239	MIC5239 comes in a smaller package with higher output current drive, and has μ Cap capability.
MAX890		MIC2544	
MAX891		MIC2544	
MAX892		MIC2544	
MAX893		MIC2544	
MAX894		MIC2546	
MAX895		MIC2546	
MAX1232	MIC1232		
MAX1561		MIC2287, MIC2289	
MAX1600		MIC2563	Improved alternative.
MAX1602		MIC2562	Improved alternative.

Notes:

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Maxim (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
MAX1605		MIC2142	
MAX1607		MIC2025	Improved alternative.
MAX1615		MIC5233	MIC5233 comes with higher output current drive, and μ Cap capability.
MAX1616		MIC5233	MIC5233 comes with higher output current drive, and μ Cap capability.
MAX1658		MIC5239	MIC5239 comes in a smaller package with higher output current drive, and has μ Cap capability.
MAX1659		MIC5239	MIC5239 comes in a smaller package with higher output current drive, and has μ Cap capability.
MAX1693		MIC2025	
MAX1694		MIC2025	
MAX1726		MIC5231	
MAX1735		MIC5270/5271	
MAX1792		MIC5249	MIC5249 has μ Cap capability but slightly lower output current drive.
MAX1806		MIC39101/MIC49150	MIC49150 has μ Cap capability.
MAX1818		MIC5319, MIC5216, MIC5219	
MAX1819		MIC5319, MIC5209	
MAX1820/1		MIC2202	MIC2202 offers a smaller solution.
MAX1848		MIC2287, MIC2289	
MAX1857		MIC5216/MIC5219	
MAX1966/7		MIC2169, MIC2199	
MAX4105		MIC913	
MAX4212		MIC913	
MAX4271/4370		MIC2582/MIC2583	
MAX4305		MIC913	
MAX4420	MIC4420		
MAX4426	MIC4426		
MAX4427	MIC4427		
MAX4428	MIC4428		
MAX4429	MIC4429		
MAX5911/5912		MIC2596/MIC2597	
MAX5920A		MIC2588-2	
MAX5920B		MIC2588-1	
MAX5921A		MIC2588-2	
MAX5921B		MIC2588-1	
MAX5932		MIC2587-1	
MAX5939A		MIC2588-2	
MAX5939B		MIC2588-1	
MAX5946		MIC2591B or MIC2592B	MIC2591B and MIC2592B have better DC performance and more features.
MAX5947A		MIC2587-1	
MAX5947B		MIC2587R-1	
MAX5947C		MIC2587R-2	
MAX6306	MIC2774N		Minor spec. differences, see data sheets.
MAX6309	MIC2774L		Minor spec. differences, see data sheets.
MAX6312	MIC2774H		Minor spec. differences, see data sheets.
MAX6315	MIC6315		
MAX6319	MIC2775		
MAX8860		MIC5249	MIC5249 has power-on-reset.
MAX8863		MIC5255	MIC5255 also has noise reduction pin and μ Cap capability.
MAX8864		MIC5255	MIC5255 also has noise reduction pin and μ Cap capability.
MAX8865		MIC5250	MIC5250 also has noise reduction pin and μ Cap capability.
MAX8866		MIC5250	MIC5250 also has noise reduction pin and μ Cap capability.
MAX8867		MIC5255	
MAX8869		MIC3910x	MIC3910x comes in a smaller package.

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Maxim (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
MAX8873	MIC5255		MIC5255 also has noise reduction pin and μ Cap capability.
MAX8874	MIC5255		MIC5255 also has noise reduction pin and μ Cap capability.
MAX8875	MIC5256		
MAX8877	MIC5255		
MAX8878	MIC5255		
MAX8880		MIC5206	
MAX8881		MIC5206	
MAX8882		MIC5250	
MAX8883		MIC5250	
MAX8885	MIC5256		
MAX8887	MIC5216		
MAX8888	MIC5219		
OPA2631	MIC911		
OPA2634	MIC910		
OPA2652	MIC912		
OPA631/2	MIC911		
OPA634/5	MIC910		
TSC426	MIC4426		
TSC427	MIC4427		

Microchip (Telcom)

Part Number	Direct Cross(1)	Functional Cross(2)	Comments
MCP100	MIC1815		Minor spec. differences, see data sheets.
MCP101	MIC1810		Minor spec. differences, see data sheets.
MCP809	MIC809		Minor spec. differences, see data sheets.
MCP810	MIC810		Minor spec. differences, see data sheets.
TC1014		MIC5207	
TC1015		MIC5207	
TC1054		MIC5206	
TC1055		MIC5206	
TC1070		MIC5207	
TC1071		MIC5207	
TC1072		MIC5206	
TC1073		MIC5206	
TC1185	MIC5245		
TC1186		MIC5206	
TC1187		MIC5207	
TC1232	MIC1232		
TC1270	MIC811		
TC1271	MIC812		
TC1272	MIC1810		
TC1275	MIC1815		
TC1301		MIC221x	MIC221x has lower I_{GND} , higher accuracy.
TC1302		MIC221x	MIC221x has lower I_{GND} , higher accuracy.
TC1410		MIC4416	
TC1411		MIC4416	
TC1413	MIC4429		Improved alternative.
TC1426	MIC4426		
TC1427	MIC4427		
TC1428	MIC4428		

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Microchip (Telcom) (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
TC18C43	MIC38C43/MIC38HC43		
TC18C46	MIC38C43/MIC38HC43		
TC28C43	MIC38C43/MIC38HC43		
TC28C46	MIC38C43/MIC38HC43		
TC38C43	MIC38C43/MIC38HC43		
TC38C46	MIC38C43/MIC38HC43		
TC426	MIC4426		
TC427	MIC4427		
TC428	MIC4428		
TC4420	MIC4420		
TC4421	MIC4421/MIC4421A		
TC4422	MIC4422/MIC4422A		
TC4423	MIC4423		
TC4424	MIC4424		
TC4425	MIC4425		
TC4426	MIC4426		
TC4427	MIC4427		
TC4428	MIC4428		
TC4429	MIC4429		
TC4431		MIC4429	
TC4432		MIC4420	
TC4467	MIC4467		
TC4468	MIC4468		
TC4469	MIC4469		
TC55		MIC2954	
TCL1117		MIC2937	
TCL1580		MIC29712	
TCL1584		MIC29710	
TCL1585		MIC29510	
TCL1587		MIC29310	
TCM809	MIC809		
TCM810	MIC810		
TCN4040	LM4040		
TCN4041	LM4041		

Microsemi (Linfity)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LX1552	MIC38C42/MIC38HC42		Improved alternative.
LX1553	MIC38C43/MIC38HC43		Improved alternative.
LX1554	MIC38C44/MIC38HC44		Improved alternative.
LX1555	MIC38C45/MIC38HC45		Improved alternative.
LX8020		MIC5201	
LX8117/A		MIC39100/1/2	
LX8117/B		MIC3915X	
LX8383		MIC29750	
LX8384		MIC29500	
LX8385		MIC29300	
LX8386		MIC29150	
LX8415		MIC5209	
LX8554		MIC2950X	

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Microsemi (Linfinity) (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LX8584		MIC29502	
LX8585		MIC29510	
LX8586		MIC29710	
LX8587		MIC29300	
LX8610		MIC39100/1/2	
LX8630		MIC2930X	
LX8940	MIC29152		
LX8941		MIC2941	
SG2626	MIC4423		
SG2644	MIC4424		
SG3626	MIC4423		
SG3644	MIC4424		
SG3842	MIC38C42/MIC38HC42		Improved alternative.
SG3843	MIC38C43/MIC38HC43		Improved alternative.
SG3844	MIC38C44/MIC38HC44		Improved alternative.
SG3845	MIC38C45/MIC38HC45		Improved alternative.

Mitel

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
KESRXxxx	MICRF002		

MPS

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
MP1523	MIC2287, MIC2289		

National Semiconductor

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
DS0026			
LM385			
LM5100	MIC4100		Announced, samples not available.
LM5101	MIC4101		Announced, samples not available.
LM5104		MIC4102	Same basic function and pinout, but Micrel uses pin-5 to force the low-side drive to remain low.
LM555		MIC1555/MIC1557	
LM809	MIC809		
LM810	MIC810		
LM1084		MIC2951x	MIC2951x has improved dropout performance.
LM1085		MIC2931x	MIC2931x has improved dropout performance.
LM1086		MIC2915x	MIC2915x has improved dropout performance.
LM1117		MIC39100	MIC39100 has improved dropout performance.
LM2574	LM2574		
LM2575	LM2575		
LM2576	LM2576	MIC4685	
LM2594		MIC4574	
LM2595		MIC4575	
LM2596		MIC4576/MIC4685	
LM2618		MIC2202	MIC2202 offers a smaller solution.
LM2672		MIC4684	
LM2703/4		MIC2287, MIC2289	
LM2733		MIC2288	
LM2930		MIC2954	

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

National Semiconductor (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LM2931		MIC2950/MIC2951	
LM2936		MIC5236	MIC5236 has higher output current drive.
LM2937		MIC5237	
LM2940	MIC2940	MIC39100, MIC2941A	
LM2940C	MIC2940		
LM2985	MIC5247/5255		
LM3940	MIC39100/MIC2940A		MIC39100 has improved dropout and offers lower V_{OUT} .
LM4040	LM4040		
LM4041	LM4041		
LM5068MM-1		MIC2588-1	
LM5068MM-3		MIC2588-2	
LM5100	MIC4100		Announced, samples not available.
LM5101	MIC4101		Announced, samples not available.
LM5104		MIC4102	Same basic function and pin out, but Micrel uses pin-5 to force the low-side drive to remain low.
LM5528		MIC5258	
LM6161		MIC912/MIC911	
LM6171		MIC913/MIC911	
LM7121		MIC913/MIC912	
LM7171		MIC913/MIC912	
LM9070		MIC5249	MIC5249 comes in a smaller package and consumes less current.
LM9071		MIC5249	MIC5249 comes in a smaller package and consumes less current.
LMC555		MIC1555	
LMC7101	LMC7101		
LMC7111	LMC7111		
LMC7211	LMC7211		
LMS1585A		MIC2950x/MIC2951x	MIC2950x has improved dropout performance.
LMS1587		MIC2930x/MIC2931x	MIC2930x has improved dropout performance.
LMS5213	MIC5213		
LMS8117A		MIC39100	MIC39100 has improved dropout performance.
LMV321		MIC6211	
LP2950	LP2950/MIC2950		MIC2950 has improved performance, tighter load reg and lower light-load dropout
LP2951	LP2951/MIC2951		MIC2951 has improved performance.
LP2954	MIC2954		
LP2954A	MIC2954		
LP2957		MIC5236	MIC5236 has μ Cap capability, better I_O performance, and smaller package options.
LP2957A		MIC5236	MIC5236 has μ Cap capability, better I_O performance, and smaller package options.
LP2960		MIC5239	MIC5239 has μ Cap capability, better I_O performance, and smaller package options.
LP2966		MIC5250	
LP2967		MIC5250	
LP2980	MIC5255		MIC5255 has μ Cap capability, higher output current drive, and noise reduction pin.
LP2981	MIC5255		MIC5255 has μ Cap capability, higher output current drive, and noise reduction pin.
LP2982	MIC5255		MIC5255 has μ Cap capability, higher output current drive, and noise reduction pin.
LP2983	MIC5255		MIC5255 has noise reduction pin.
LP2985	MIC5255		MIC5255 has improved dropout performance.
LP2985LV	MIC5247		
LP2987	MIC5249		MIC5249 has noise reduction pin, higher output current drive, and smaller package.
LP2988	MIC5249		MIC5249 has higher output current drive, and smaller package.
LP2989		MIC5319, MIC5209/MIC523	MIC5319 has much higher performance, MIC5239 has much lower I_O .
LP2989LV		MIC5239	MIC5239 has much lower I_O .
LP2992		MIC5249	MIC5249 also has power-on-reset function is a slightly larger package.
LP3961		MIC39101	MIC39101 comes in a smaller package.

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

National Semiconductor (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LP3962		MIC39151/MIC37151	MIC37151 comes in a smaller package.
LP3963		MIC39301/MIC37301	MIC37301 comes in a smaller package.
LP3964		MIC39102	MIC39102 comes in a smaller package.
LP3965		MIC29152/MIC37152	MIC37151 comes in a smaller package.
LP3966	MIC29302	MIC37302	MIC37302 comes in a smaller package.
LP3981		MIC5249, MIC5219, MIC5319	MIC5249 also has power-on-reset function, MIC5219 has higher $V_{IN}/PSRR/Accuracy/Peak I_{OUT}$
LP3985	MIC5255, MIC5305		MIC5305 has higher PSRR and lower I_{GND} .
LP3988	MIC5256		
LP3995	MIC5305		MIC5305 has higher PSRR and lower I_{GND} .
MM5450	MM5450		
MM5451	MM5451		
NHM0026	MIC4426		

New Japan Radio

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
NJM2871		MIC5305, MIC5235	Improved alternative.
NJM2872	MIC5305, MIC5235		Improved alternative.

ON Semiconductor

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
CS-2842	MIC38C42/MIC38HC42		Improved alternative.
CS-2843	MIC38C43/MIC38HC43		Improved alternative.
CS-3842	MIC38C42/MIC38HC42		Improved alternative.
CS-3843	MIC38C43/MIC38HC43		Improved alternative.
CS5201		MIC3910x	MIC3910x has improved dropout performance.
CS52015		MIC2915x	MIC2915x has improved dropout performance.
CS5203		MIC2930x	MIC2930x has improved dropout performance.
CS5204		MIC2950x/MIC3950x MIC3750x	MIC2950x/MIC3950x/MIC3750x has improved dropout performance. MIC3750x has μ Cap capability.
CS5205		MIC2950x	MIC2950x has improved dropout performance.
CS5206		MIC2975x	MIC2975x has improved dropout performance.
CS5207		MIC2975x	MIC2975x has improved dropout performance.
CS5207A		MIC2975x	MIC2975x has improved dropout performance.
CS5253		MIC3930x/MIC3730x	MIC3950x/MIC3750x has improved dropout performance. MIC3750x has μ Cap capability.
CS8101		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
CS8120		MIC5239	MIC5239 has lower I_o performance, μ Cap capability and comes in a smaller package.
CS8221		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
CS8271		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
CS8311		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
CS8321		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
CS9201		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
CS9202		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
LM2575	LM2575		
LM2931		MIC5236	MIC5236 has lower I_o performance, μ Cap capability and comes in a smaller package.
LP2950	LP2950		
LP2951	LP2951		
LT1585A		MIC2950x/3950x/MIC3750x	MIC2950x/MIC3950x/MIC3750x has improved dropout performance. MIC3750x has μ Cap capability.
MAX809	MIC809		
MAX810	MIC810		
MAX811	MIC811		

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

ON Semiconductor (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
MAX812	MIC812		
MAX8863		MIC5255	MIC5255 also has noise reduction pin and μ Cap capability.
MC33263		MIC5255	MIC5255 has improved dropout and I_o performance.
MC33264		MIC5255	MIC5255 has improved dropout and comes in a smaller package.
MC33267		MIC5249	MIC5249 has slightly lower output current drive, has μ Cap capability, and comes in a much smaller package.
MC33269		MIC3910x	MIC3910x has improved dropout performance and smaller package options.
MC33275		MIC5219/MIC5209	MIC5219/MIC5209 has smaller package options.
MC33375		MIC5219/MIC5209	MIC5219/MIC5209 has smaller package options.
MC33761	MIC5255		MIC5255 has improved dropout performance.
MC33762		MIC5250	MIC5250 has improved dropout performance.
MC78BC00		MIC5159	MIC5159 has μ Cap capability.
MC78FC00		MIC5235	MIC5235 has μ Cap capability and comes in a smaller package.
MC78LC00		MIC5235	
MC78PC00	MIC5255		
NCP500	MIC5255		
NCP502		MIC5213	
NCP511	MIC5235		MIC5235 has better I_o performance.
NCP512		MIC5213	
NCP551	MIC5235		
NCP552		MIC5235	
NCP553		MIC5235	
NCP561	MIC5235		
NCP562		MIC5235, MIC5213, MIC5253	
NCP563		MIC5235	
NCP1086		MIC2915x	MIC2915x has improved dropout performance.
NCP1117		MIC3910x	MIC3910x has improved dropout performance.
NCP1232	MIC1232		
NCP1570		MIC2193	
NCP2860		MIC5219/MIC5216	
NCP4561		MIC5255	MIC5255 has improved dropout and I_o performance.
UC2842	MIC38C42/MIC38HC42		Improved alternative.
UC2843	MIC38C43/MIC38HC43		Improved alternative.
UC2844	MIC38C44/MIC38HC44		Improved alternative.
UC2845	MIC38C45/MIC38HC45		Improved alternative.
UC3842	MIC38C42/MIC38HC42		Improved alternative.
UC3843	MIC38C43/MIC38HC43		Improved alternative.
UC3844	MIC38C44/MIC38HC44		Improved alternative.
UC3845	MIC38C45/MIC38HC45		Improved alternative.

Philips

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
UC2842	MIC38C42/MIC38HC42		Improved alternative.
UC2843	MIC38C43/MIC38HC43		Improved alternative.
UC2844	MIC38C44/MIC38HC44		Improved alternative.
UC2845	MIC38C45/MIC38HC45		Improved alternative.
UC78PC33		MIC5245	

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Richtek

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
RT9167	MIC5319, MIC5219		MIC5319 has much higher performance, MIC5219 has higher V_{IN} , higher accuracy, higher peak I_{OUT} , and lower dropout.
RT9178	MIC5205, MIC5247		MIC5205 has higher V_{IN} and accuracy, and lower I_{GND} ; MIC5247 has lower $V_{OUT}/I_{GND}/noise$, higher accuracy, smaller C_{OUT} .
RT9179	MIC5205		MIC5205 has higher V_{IN} and accuracy, and lower I_{GND} .
RT9182		MIC221x	MIC221x has lower I_{GND} , wider V_{IN} range, higher accuracy, larger 2nd LDO, better thermals.
RT9198	MIC5213		MIC5253 has higher V_{IN} , higher PSRR, smaller C_{OUT} .

Ricoh

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
RN5RT		MIC5235	MIC5235 has higher output current drive and μ Cap capability.
RN5RZ		MIC5255	MIC5255 has higher output current drive, μ Cap capability, noise reduction pin, and improved dropout performance.
R1110N	MIC5255		MIC5255 has μ Cap capability, noise reduction pin, and improved dropout performance.
R1111N	MIC5255		MIC5255 has μ Cap capability and improved dropout performance.
R1112N	MIC5255		MIC5255 has improved dropout performance.
R1120N		MIC5255	MIC5255 has improved dropout performance.
R1121N		MIC5255	MIC5255 has improved dropout performance.
R1122N		MIC5255	MIC5255 has improved dropout performance and smaller C_{OUT} .
R1130X		MIC5249	MIC5249 includes power-on-reset function, improved dropout performance, and comes in a smaller package.
R5510H		MIC5249	MIC5249 includes programmable reset delay, improved dropout performance, and comes in a smaller package.
R5321D		MIC5250	MIC5250 has improved dropout performance and comes in a smaller package.
R1140Q		MIC5255	MIC5255 has improved dropout performance.
R1141Q		MIC5255, MIC5213	MIC5255 has improved dropout performance, MIC5213 has higher V_{IN} and smaller C_{OUT} .
R1150H		MIC5249	MIC5249 comes in a smaller package.
R1151N		MIC5159	MIC5150 has μ Cap feature.
R1160X	MIC5252/5255/5247		MIC52xx have smaller C_{OUT} , higher accuracy and more features.
R116X		MIC5319, MIC5219	MIC5319 has higher performance
R1170X		MIC3910x	
R5322N		MIC5250	MIC5250 has improved dropout performance.
R5323N		MIC221x	MIC221x has lower I_{GND} , high accuracy, lower dropout, larger 2nd LDO, wider V_{IN} range and better thermals.

Samsung

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
KA3842	MIC38C42/MIC38HC42		Improved alternative.
KA3843	MIC38C43/MIC38HC43		Improved alternative.
KA3844	MIC38C44/MIC38HC44		Improved alternative.
KA3845	MIC38C45/MIC38HC45		Improved alternative.

Sanyo

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
S-1111	MIC5252		MIC5252 requires smaller C_{OUT} and has lower dropout.
S-1112			Improved alternative.

Seiko

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
S80230	MIC5203		
S80250	MIC5203		

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Seiko (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
S81215	MIC5203		
S81230	MIC5203		
S81233	MIC5203		
S81240	MIC5203		
S81250	MIC5203		
S81330	MIC5207		
S81340	MIC5207		
S81350	MIC5207		

Semtech

Part Number	Direct Cross(1)	Functional Cross(2)	Comments
CS1202A		MIC3910x	MIC3910x has improved dropout performance, higher output current drive, and smaller package options.
EZ1083B		MIC29750/MIC29710	MIC29750/MIC29710 has improved dropout performance.
EZ1084BC		MIC29500/MIC29510	MIC29500/MIC29510 has improved dropout performance.
EZ1084C		MIC29500/MIC29510	MIC29500/MIC29510 has improved dropout performance.
EZ1084I		MIC29500/MIC29510	MIC29500/MIC29510 has improved dropout performance.
EZ1085BC		MIC29300/MIC29310	MIC29300/MIC29310 has improved dropout performance.
EZ1085C		MIC29300/MIC29310	MIC29300/MIC29310 has improved dropout performance.
EZ1085I		MIC29300/MIC29310	MIC29300/MIC29310 has improved dropout performance.
EZ1086BC		MIC29150	MIC29150 has improved dropout performance.
EZ1086C		MIC29150	MIC29150 has improved dropout performance.
EZ1086I		MIC29150	MIC29150 has improved dropout performance.
EZ1087		MIC29500/MIC29510	MIC29500/MIC29510 has improved dropout performance.
EZ1117		MIC3910x	MIC3910x has improved dropout performance and smaller package options.
EZ1117A		MIC3910x	MIC3910x has improved dropout performance and smaller package options.
EZ1583		MIC49150	MIC49150 has improved dropout performance, μ Cap capability and smaller package options.
EZ1584C		MIC29750/MIC29710	MIC29750/MIC29710 has improved dropout performance.
EZ1584I		MIC29750/MIC29710	MIC29750/MIC29710 has improved dropout performance.
EZ1585C		MIC29500/29510	MIC29500/MIC29510 has improved dropout performance.
EZ1585I		MIC29500/29510	MIC29500/MIC29510 has improved dropout performance.
EZ1587C		MIC393xx/29300/29310	MIC29300/MIC29310 has improved dropout performance.
EZ1587I		MIC29300/29310	MIC29300/MIC29310 has improved dropout performance.
EZ1588		MIC29300/29310	MIC29300/MIC29310 has improved dropout performance and higher output current drive.
LM2575	LM2575		
LM2576	LM2576		
LP2951A	MIC2951		
SC1117		MIC3910x	MIC3910x has improved dropout performance and smaller package options.
SC112		MIC5255	MIC5255 has improved dropout performance.
SC1453	MIC5255		
SC1454		MIC5250	
SC1456		MIC5250	
SC1457	MIC5256		
SC1540		MIC5219/MIC5209	MIC5219/MIC5209 has better noise performance. MIC5219 is available in a smaller package.
SC1540A		MIC5209/MIC5239	MIC5209 has better noise performance. MIC5239 has better I_o performance and comes in smaller package option.
SC1541		MIC39101/2	MIC39101/2 has improved dropout performance.
SC1551	MIC39151		MIC39151 has flag function rather than power-on-reset and improved dropout performance.
SC1552	MIC39301		MIC39301 has flag function rather than power-on-reset and improved dropout performance.
SC1563		MIC5219/MIC5239	MIC5239 has much lower I_o performance and μ Cap capability.
SC1565		MIC3910x/MIC3715x	

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Semtech (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
SC1565	MIC3910x/MIC3915x	MIC3715x	MIC3715x has μ Cap capability and comes in a smaller high power package.
SC1566		MIC3930x/MIC3730x	MIC3730x comes in smaller package.
SC1566	MIC3930x	MIC3730x	MIC3730x has μ Cap capability and comes in a smaller high power package.
SC2982	MIC5255		MIC5255 has improved dropout performance, higher output current drive, and μ Cap capability.
SC5205	MIC5205/MIC5255		MIC5255 has improved dropout performance, and μ Cap capability.
SC8863		MIC5255	MIC5255 has improved dropout, I_{O2} , and noise performances.
SC5825	MIC2525		
SC5826	MIC2526		

SGS-Thompson

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
L4978D		MIC4684	Improved alternative.
LF120	MIC5209		
LF33	MIC5209		
LF50	MIC5209		
M5450	MM5450		
M5451	MM5450		
SGS2626	MIC4423		
SGS3626	MIC4423		
UC3842	MIC38C42/MIC38HC42		Improved alternative.
UC3843	MIC38C43/MIC38HC43		Improved alternative.
UC3844	MIC38C44/MIC38HC44		Improved alternative.
UC3845	MIC38C45/MIC38HC45		Improved alternative.

Siliconix

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
SI9175		MIC2202	MIC2202 offers a smaller solution.

Sipex

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
SP4403		MIC4827	
SP4405		MIC4826/7	
SP4412A		MIC4826/7	
SP4414		MIC4826/7	
SP4422A		MIC4826/7	
SP4423		MIC4826/7	
SP4424		MIC4826/7	
SP4425		MIC4826/7	
SP4428		MIC4826/7	
SP4438		MIC4826/7	
SP4439	MIC4826/7		
SP4480		MIC4826/7 (x2)	
SP4490		MIC4826/7 (x2)	
SP4491		MIC4826/7 (x2)	
SP4501		MIC4826/7	
SP6123		MIC2193	
SPX29150	MIC2915x		
SPX29152	MIC29152		
SPX29300	MIC2930x, MIC3930x		
SPX2940	MIC2940A		

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Sipex (continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
SPX2941		MIC3910x	
SPX3819		MIC5209, MIC5219	
SPX3940A	MIC37100		MIC37100 requires ceramic cap as well as tantalum.

ST Microelectronics

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LD1117	MIC37100-3.3BS		
LD4941	MIC2940		
LD1085	MIC3930x		

Supertex

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
HV826	MIC4826	MIC4827	MIC4827 Improved alternative.
HV857	MIC4827	MIC4827	
HV9110		MIC9130/1	
HV9112		MIC9130/1	
HV9113		MIC9130	
HV9605C		MIC2179	

Texas Instruments (Unitrode)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
LM2576	LM2576		
LT751M	MIC29152		
LT1072		MIC2172	
REG101	MIC5255		MIC5255 has higher output current drive and improved accuracy.
REG102	MIC5255		MIC5255 has improved accuracy and I_o performance.
REG103		MIC5209	
REG104		MIC3910x	MIC3910x available in smaller package options.
REG113	MIC5219		MIC5219 has improved I_o performance.
REG1117		MIC3910x	MIC3910x available in smaller package options and has higher output current drive and improved dropout performance.
REG1117A		MIC3910x	MIC3910x available in smaller package options and has improved dropout performance.
SN75518	MIC5818		
TL750Lxx		MIC5236	MIC5236 has much better I_o performance and μ Cap capability.
TL751Lxx		MIC5236	MIC5236 has much better I_o performance and μ Cap capability.
TL750Mxx	MIC2937		
TL751Mxx	MIC2937		
TL4810	MIC5810		
TLV2217	MIC5209		MIC5209 is available in smaller package options.
THS4001		MIC913/MIC923	
THS4031/2		MIC912/MIC922	
THS4041/2		MIC912	
THS4051/2		MIC911	
THS4061/2		MIC911	
THS4081/2		MIC911	
TP2330		MIC2584/MIC2583	
TPS2041/2051		MIC2025	
TPS2042/2052		MIC2026	
TPS2044/2054		MIC2027	
TPS2014		MIC2025-2	

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Texas Instruments (Unitrode)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
TPS2015		MIC2025-2	
TPS2201		MIC2563A	
TPS2205		MIC2563A	
TPS2206		MIC2564A	
TPS2211		MIC2562A	
TPS2214		MIC2564A	
TPS2216		MIC2564A	
TPS2390		MIC2588-2	
TPS2398		MIC2588-2	
TPS2811		MIC4426	
TPS2812		MIC4427	
TPS2813		MIC4428	
TPS3705		MIC706	
TPS3707		MIC708	
TPS3809		MIC809	Minor spec differences, see data sheets.
TPS3825		MIC2775	Minor spec differences, see data sheets.
TPS71xx		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS71025		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS715xx		MIC5235/MIC5233	MIC5235/MIC5233 has higher output current drive and wider input range.
TPS71525		MIC5213	
TPS71Hxx		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS7201		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS721xx	MIC5235		MIC5235 has better I_o performance and wider input range.
TPS2216		MIC2564A	
TPS2811		MIC4426	
TPS2812		MIC4427	
TPS2813		MIC4428	
TPS3705		MIC706	
TPS3707		MIC708	
TPS3809		MIC809	Minor spec differences, see data sheets.
TPS3825		MIC2775	Minor spec differences, see data sheets.
TPS400x		MIC2169	
TPS61042		MIC2287, MIC2289	
TPS6200x		MIC2202	
TPS71xx		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS71025		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS715xx		MIC5235/MIC5233	MIC5235/MIC5233 has higher output current drive and wider input range.
TPS71525		MIC5213	
TPS71Hxx		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS7201		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS721xx	MIC5235		MIC5235 has better I_o performance and wider input range.
TPS722xx	MIC5235		MIC5235 has better I_o performance, higher output current drive, and wider input range.
TPS72xx		MIC5216	MIC5216 is available in a smaller package and has better I_o performance.
TPS725xx		MIC39101/MIC39102	MIC39101/MIC39102 are available in smaller packages.
TPS73xx		MIC5249	MIC5249 comes in a smaller package and has better I_o performance.
TPS73618		MIC5209	
TPS73125	MIC5255, MIC5305		
TPS74xx		MIC5249	MIC5249 has higher output current drive, power-on-reset function, smaller package, and better accuracy.
TPS755xx	MIC3950x/MIC29502	MIC3750x	MIC3950x/MIC3750x has better accuracy and lower V_{IN} capability. MIC3750x has μ Cap capability.

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Texas Instruments (Continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
TPS756xx	MIC3950x	MIC3750x	MIC3950x/MIC3750x has better accuracy and lower V_{IN} capability. MIC3750x has μ Cap capability.
TPS757xx	MIC3930x	MIC3730x	MIC3930x/MIC3730x has better accuracy and lower V_{IN} capability. MIC3750x has μ Cap capability.
TPS758xx	MIC3930x	MIC3730x	MIC3930x/MIC3730x has better accuracy and lower V_{IN} capability. MIC3750x has μ Cap capability.
TPS759xx		MIC2975x	MIC2975x has improved dropout performance.
TPS760xx	MIC5235		MIC5235 has better I_O performance, higher output current drive, and μ Cap capability.
TPS761xx	MIC5235		MIC5235 has better I_O performance, higher output current drive, and μ Cap capability.
TPS76201	MIC5235		MIC5235 has better I_O performance, higher output current drive, and μ Cap capability.
TPS763xx	MIC5235		MIC5235 has better I_O performance and μ Cap capability.
TPS764xx	MIC5255		MIC5255 has better dropout performance.
TPS765xx		MIC5236	MIC5236 has much better I_O performance, wider input range, and smaller package option.
TPS766xx		MIC5239	MIC5239 has much better I_O performance, wider input range, and smaller package option.
TPS769xx	MIC5235		
TPS770xx	MIC5235		
TPS771xx		MIC5249	MIC5249 has programmable delay function.
TPS772xx		MIC5256	MIC5256 has smaller package.
TPS773xx		MIC5249	MIC5249 has programmable delay function.
TPS774xx		MIC5249	MIC5249 has programmable delay function.
TPS776xx		MIC3975	MIC3975 has higher output current drive and μ Cap capability.
TPS778xx		MIC3975	MIC3975 has smaller package option and μ Cap capability.
TPS790xx	MIC5255		MIC5255 has higher output current drive and μ Cap capability.
TPS791xx	MIC5255		MIC5255 has higher output current drive.
TPS792xx	MIC5255		MIC5255 has higher output current drive.
TPS793xx	MIC5255		
TPS79328		MIC5305	Improved alternative.
TPS794xx		MIC5249	MIC5249 has higher output current drive and power on reset function.
TPS797xx		MIC5231/MIC5235	MIC5235 has higher output current drive.
UC2575	LM2575		
UC2576	LM2576		
UC2842	MIC38C42/MIC38HC42		Improved alternative.
UC2843	MIC38C43/MIC38HC43		Improved alternative.
UC2844	MIC38C44/MIC38HC44		Improved alternative.
UC2845	MIC38C45/MIC38HC45		Improved alternative.
UC3842	MIC38C42/MIC38HC42		Improved alternative.
UC3843	MIC38C43/MIC38HC43		Improved alternative.
UC3844	MIC38C44/MIC38HC44		Improved alternative.
UCC281		MIC3910x	
UCC381		MIC3910x	
UCC282	MIC29300	MIC2930x	
UCC383	MIC29300	MIC2930x	
UCC386		MIC5239	MIC5239 has higher output current drive and μ Cap capability.
UCC387		MIC5239	MIC5239 has higher output current drive and μ Cap capability.
UCC388		MIC5239	MIC5239 has higher output current drive and μ Cap capability.
UCC2800		MIC38C43/MIC38HC43	Smaller package available.
UCC2801		MIC38C45/MIC38HC45	
UCC2802		MIC38C42/MIC38HC42	
UCC2804		MIC38C44/MIC38HC44	
UCC2808	MIC3808/9	MIC3838/9	MIC3838/9 have improved functionality.
UCC3800		MIC38C43/MIC38HC43	Smaller package available.

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.

Texas Instruments (Continued)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
UCC3801		MIC38C45/MIC38HC45	
UCC3802		MIC38C42/MIC38HC42	
UCC3804		MIC38C44/MIC38HC44	
UCC3808	MIC3808/9	MIC3838/9	MIC3838/9 have improved functionality.

Toko

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
TK11860		MIC2289	
TK111xxCS		MIC5255	MIC5255 has improved accuracy.
TK112xxCM		MIC5255	MIC5255 has improved accuracy.
TK113xxBM		MIC5255	MIC5255 has improved dropout and I_Q performance.
TK113xxBU		MIC5255	MIC5255 has improved dropout and I_Q performance.
TK715xxAS		MIC5235/MIC5233	MIC5235/MIC5233 has improved I_Q performance.
TK717xxS	MIC5255, MIC5305		MIC5305 has lower dropout and I_{GND} and higher PSRR.
TK740xxL		MIC5250	
TK631xx	MIC5255		
TK632xx		MIC221x	MIC221x has lower I_{GND} .

Torex

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
XC6201		MIC221x	MIC221x has lower I_{GND} .
XC6202		MIC5235	
XC6203		MIC5209	
XC6204	MIC5247, MIC5255		MIC52xx have faster transient response and lower noise over a wider freq. range.
XC6209A-D	MIC5205		MIC5205 has higher accuracy, wider V_{IN} range.
XC6209E-H	MIC5219		MIC5219 has higher peak I_{OUT} , higher accuracy, wider V_{IN} range.

Vishay (Siliconix)

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
Si9110/1/2/3	MIC9130/1		
Si9114	MIC9130/1		
Si9118/9	MIC9130/1		
Si9167/8	MIC2179		
Si1405	MIC94052/3		MIC94052/3 have lower on-resistance.
Si1417	MIC94052/3		MIC94052/3 have lower on-resistance.
Si9183	MIC5255		MIC5255 has lower I_{GND} and dropout.

Zetek

Part Number	Direct Cross ⁽¹⁾	Functional Cross ⁽²⁾	Comments
ZXCL330	MIC5253, MIC5213		
ZXCL400	MIC5253, MIC5213		
ZXCM209	MIC810		
ZXCM210	MIC810		

Notes:

1. Direct cross parts are parametrically similar and are available in similar packages.
2. Functional cross parts are functionally similar, but have different specifications, and may have different packages.