

**CROSS REFERENCE: BY MANUFACTURER**

| INDUSTRY STANDARD | SOURCE    | NEAREST SGS-THOMSON TYPE |
|-------------------|-----------|--------------------------|
| <b>FAIRCHILD</b>  |           |                          |
| uA117KM           | FAIRCHILD | LM117K                   |
| UA124DM           | FAIRCHILD | LM124J                   |
| UA139ADM          | FAIRCHILD | LM139AJ                  |
| UA139DM           | FAIRCHILD | LM139J                   |
| UA1458RC          | FAIRCHILD | MC1458J                  |
| UA1458SC          | FAIRCHILD | MC1458D                  |
| UA1458TC          | FAIRCHILD | MC1458N                  |
| UA148DM           | FAIRCHILD | LM148J                   |
| UA1558RM          | FAIRCHILD | MC1558J                  |
| UA201TC           | FAIRCHILD | LM201AN                  |
| UA224DV           | FAIRCHILD | LM224J                   |
| UA224PV           | FAIRCHILD | LM224N                   |
| UA239DV           | FAIRCHILD | LM239J                   |
| UA239PV           | FAIRCHILD | LM239N                   |
| UA239SV           | FAIRCHILD | LM239D                   |
| UA2901DV          | FAIRCHILD | LM2901J                  |
| UA2901PV          | FAIRCHILD | LM2901N                  |
| UA2902PV          | FAIRCHILD | LM2902N                  |
| UA301ASC          | FAIRCHILD | LM301AD                  |
| UA301ATC          | FAIRCHILD | LM301AN                  |
| UA308ASC          | FAIRCHILD | LM308AD                  |
| UA308ATC          | FAIRCHILD | LM308AN                  |
| UA308SC           | FAIRCHILD | LM308D                   |
| UA308TC           | FAIRCHILD | LM308N                   |
| UA311SC           | FAIRCHILD | LM311D                   |
| UA311TC           | FAIRCHILD | LM311N                   |
| UA324DC           | FAIRCHILD | LM324J                   |
| UA324PC           | FAIRCHILD | LM324N                   |
| UA324SC           | FAIRCHILD | LM324D                   |
| UA3302DV          | FAIRCHILD | MC3302J                  |
| UA3302PV          | FAIRCHILD | MC3302N                  |
| UA3302SV          | FAIRCHILD | MC3302D                  |
| UA3303DV          | FAIRCHILD | MC3303J                  |
| UA3303PV          | FAIRCHILD | MC3303N                  |
| UA339DC           | FAIRCHILD | LM339J                   |
| UA330PC           | FAIRCHILD | LM339N                   |
| UA339SC           | FAIRCHILD | LM339D                   |
| UA3403DC          | FAIRCHILD | MC3403J                  |
| UA3403PC          | FAIRCHILD | MC3403N                  |
| UA3403SC          | FAIRCHILD | MC3403D                  |
| UA348DC           | FAIRCHILD | LM848J                   |
| UA348PC           | FAIRCHILD | LM348N                   |
| UA3503DM          | FAIRCHILD | MC3503J                  |
| UA555SC           | FAIRCHILD | NE555D                   |
| UA555TC           | FAIRCHILD | NE555N                   |
| UA556PC           | FAIRCHILD | NE556N                   |
| uA723DC           | FAIRCHILD | LM723CJ                  |
| uA723DM           | FAIRCHILD | LM723J                   |
| uA723PC           | FAIRCHILD | LM723CN                  |
| UA741AHM          | FAIRCHILD | UA741AH                  |
| UA741ARM          | FAIRCHILD | UA741AJ                  |
| UA741EHC          | FAIRCHILD | UA741EH                  |
| UA741ETC          | FAIRCHILD | UA741EN                  |

| INDUSTRY STANDARD | SOURCE    | NEAREST SGS-THOMSON TYPE |
|-------------------|-----------|--------------------------|
| UA741HC           | FAIRCHILD | UA741CH                  |
| UA741HM           | FAIRCHILD | UA741H                   |
| UA741RC           | FAIRCHILD | UA741CJ                  |
| UA741RM           | FAIRCHILD | UA741J                   |
| UA741SC           | FAIRCHILD | UA741CD                  |
| UA741TC           | FAIRCHILD | UA741CN                  |
| UA748HC           | FAIRCHILD | UA748CH                  |
| UA748HM           | FAIRCHILD | UA748MH                  |
| UA78RC            | FAIRCHILD | UA748CJ                  |
| UA748RM           | FAIRCHILD | UA748J                   |
| UA748SC           | FAIRCHILD | UA748CD                  |
| UA748TC           | FAIRCHILD | UA748CN                  |
| UA771ASC          | FAIRCHILD | TL071BCD                 |
| UA771ATC          | FAIRCHILD | TL071BCN                 |
| UA771BSC          | FAIRCHILD | TL071ACD                 |
| UA771BTC          | FAIRCHILD | TL071ACN                 |
| UA771SC           | FAIRCHILD | TL071CD                  |
| UA771TC           | FAIRCHILD | TL071CN                  |
| UA772ASC          | FAIRCHILD | TL072BCD                 |
| UA772ATC          | FAIRCHILD | TL072BCN                 |
| UA772BSC          | FAIRCHILD | TL072ACD                 |
| UA772BTC          | FAIRCHILD | TL072ACN                 |
| UA772SC           | FAIRCHILD | TL072CD                  |
| UA772TC           | FAIRCHILD | TL072CN                  |
| UA774BPC          | FAIRCHILD | TL074ACN                 |
| UA774DC           | FAIRCHILD | TL074CJ                  |
| UA774PC           | FAIRCHILD | TL074CN                  |
| UA774SC           | FAIRCHILD | TL074CD                  |
| UA776HC           | FAIRCHILD | UA776CH                  |
| UA776HM           | FAIRCHILD | UA776MH                  |
| UA776SC           | FAIRCHILD | UA776CD                  |
| UA776TC           | FAIRCHILD | UA776CN                  |
| uA7805KC          | FAIRCHILD | L7805CT                  |
| uA7805KM          | FAIRCHILD | L7805T                   |
| uA7805UC          | FAIRCHILD | L7805CV                  |
| uA7806KC          | FAIRCHILD | L7806CT                  |
| uA7806KM          | FAIRCHILD | L7806T                   |
| uA7806UC          | FAIRCHILD | L7806CV                  |
| uA7808KC          | FAIRCHILD | L7808CT                  |
| uA7808KM          | FAIRCHILD | L7808T                   |
| uA7808UC          | FAIRCHILD | L7808CV                  |
| uA7812KC          | FAIRCHILD | L7812CT                  |
| uA7812KM          | FAIRCHILD | L7812T                   |
| uA7812UC          | FAIRCHILD | L7812CV                  |
| uA7815KC          | FAIRCHILD | L7815CT                  |
| uA7815KM          | FAIRCHILD | L7815T                   |
| uA7815UC          | FAIRCHILD | L7815CV                  |
| uA7818KC          | FAIRCHILD | L7818CT                  |
| uA7818KM          | FAIRCHILD | L7818T                   |
| uA7818UC          | FAIRCHILD | L7818CV                  |
| uA7824KM          | FAIRCHILD | L7824T                   |
| uA7824UC          | FAIRCHILD | L7824CV                  |
| uA78M05UC         | FAIRCHILD | L78M05CV                 |
| uA78M06UC         | FAIRCHILD | L78M06CV                 |
| uA78M08UC         | FAIRCHILD | L78M08CV                 |

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| INDUSTRY STANDARD | SOURCE    | NEAREST SGS-THOMSON TYPE |
|-------------------|-----------|--------------------------|
| uA78M12UC         | FAIRCHILD | L78M12CV                 |
| uA78M15UC         | FAIRCHILD | L78M15CV                 |
| uA78M24UC         | FAIRCHILD | L78M24CV                 |
| uA7905KC          | FAIRCHILD | L7905CT                  |
| uA7905UC          | FAIRCHILD | L7905CV                  |
| uA7908KC          | FAIRCHILD | L7908CT                  |
| uA7908UC          | FAIRCHILD | L7908CV                  |
| uA7912KC          | FAIRCHILD | L7912CT                  |
| uA7912UC          | FAIRCHILD | L7912CV                  |
| uA7915KC          | FAIRCHILD | L7915CT                  |
| uA7915UC          | FAIRCHILD | L7915CV                  |
| <b>MOTOROLA</b>   |           |                          |
| LM223K            | MOTOROLA  | LM223K                   |
| LM237K            | MOTOROLA  | LM237K                   |
| LM323K            | MOTOROLA  | LM323K                   |
| LM337K            | MOTOROLA  | LM337K                   |
| LM337T            | MOTOROLA  | LM337SP                  |
| LF347N            | MOTOROLA  | LF347N                   |
| LF351N            | MOTOROLA  | LF351N                   |
| LF353N            | MOTOROLA  | LF353N                   |
| LF355N            | MOTOROLA  | LF355N                   |
| LF356N            | MOTOROLA  | LF356N                   |
| LF357N            | MOTOROLA  | LF357N                   |
| LM124J            | MOTOROLA  | LM124J                   |
| LM139AJ           | MOTOROLA  | LM139AJ                  |
| LM139J            | MOTOROLA  | LM139J                   |
| LM148J            | MOTOROLA  | LM148J                   |
| LM158J            | MOTOROLA  | LM158J                   |
| LM201AD           | MOTOROLA  | LM201AD                  |
| LM201AN           | MOTOROLA  | LM201AN                  |
| LM211D            | MOTOROLA  | LM211D                   |
| LM224D            | MOTOROLA  | LM224D                   |
| LM224J            | MOTOROLA  | LM224J                   |
| LM239AJ           | MOTOROLA  | LM239J                   |
| LM239D            | MOTOROLA  | LM239D                   |
| LM239J            | MOTOROLA  | LM239J                   |
| LM258D            | MOTOROLA  | LM258D                   |
| LM2901D           | MOTOROLA  | LM2901D                  |
| LM2901J           | MOTOROLA  | LM2901J                  |
| LM2901N           | MOTOROLA  | LM2901N                  |
| LM2902D           | MOTOROLA  | LM2902D                  |
| LM2902J           | MOTOROLA  | LM2902J                  |
| LM2902N           | MOTOROLA  | LM2902J                  |
| LM2903D           | MOTOROLA  | LM2903D                  |
| LM2903N           | MOTOROLA  | LM2903N                  |
| LM2904D           | MOTOROLA  | LM2904D                  |
| LM2904N           | MOTOROLA  | LM2904N                  |
| LM301AD           | MOTOROLA  | LM301AD                  |
| LM301AJ           | MOTOROLA  | LM301AJ                  |
| LM301AN           | MOTOROLA  | LM301AN                  |
| LM301AD           | MOTOROLA  | LM308AD                  |
| LM308AN           | MOTOROLA  | LM308AN                  |
| LM308D            | MOTOROLA  | LM308D                   |
| LM308J            | MOTOROLA  | LM308J                   |

| INDUSTRY STANDARD | SOURCE   | NEAREST SGS-THOMSON TYPE |
|-------------------|----------|--------------------------|
| LM308N            | MOTOROLA | LM308N                   |
| LM311D            | MOTOROLA | LM311D                   |
| LM311J            | MOTOROLA | LM311J                   |
| LM311N            | MOTOROLA | LM311N                   |
| LM324AJ           | MOTOROLA | LM324AJ                  |
| LM324D            | MOTOROLA | LM324D                   |
| LM324J            | MOTOROLA | LM324J                   |
| LM324N            | MOTOROLA | LM324N                   |
| LM339AJ           | MOTOROLA | LM339AJ                  |
| LM339AN           | MOTOROLA | LM339AN                  |
| LM339D            | MOTOROLA | LM339D                   |
| LM339N            | MOTOROLA | LM339N                   |
| LM348D            | MOTOROLA | LM348D                   |
| LM348N            | MOTOROLA | LM348N                   |
| LM358D            | MOTOROLA | LM358D                   |
| LM358J            | MOTOROLA | LM358J                   |
| LM358N            | MOTOROLA | LM358N                   |
| LM393AN           | MOTOROLA | LM393AN                  |
| LM393D            | MOTOROLA | LM393D                   |
| LM393N            | MOTOROLA | LM393N                   |
| MC1455D           | MOTOROLA | N3555D                   |
| MC1455P1          | MOTOROLA | NE555N                   |
| MC1455U           | MOTOROLA | NE555J                   |
| MC1458D           | MOTOROLA | MC1458D                  |
| MC1458P1          | MOTOROLA | MC1458N                  |
| MC1458U           | MOTOROLA | MC1458J                  |
| MC1558U           | MOTOROLA | MC1558J                  |
| MC1741CD          | MOTOROLA | UA741CD                  |
| MC1741CG          | MOTOROLA | UA741CH                  |
| MC1741CP1         | MOTOROLA | UA741CN                  |
| MC1741CU          | MOTOROLA | UA741CJ                  |
| MC1741G           | MOTOROLA | UA741H                   |
| MC1741U           | MOTOROLA | UA741J                   |
| MC1748CD          | MOTOROLA | UA748CD                  |
| MC1748CG          | MOTOROLA | UA748CH                  |
| MC1748CP1         | MOTOROLA | UA748CN                  |
| MC1748CU          | MOTOROLA | UA748CJ                  |
| MC1748G           | MOTOROLA | UA748MH                  |
| MC1748U           | MOTOROLA | UA748J                   |
| MC1776CD          | MOTOROLA | UA776CD                  |
| MC1776CG          | MOTOROLA | UA776CH                  |
| MC1776CP1         | MOTOROLA | UA776CN                  |
| MC1776G           | MOTOROLA | UA776MH                  |
| MC3302D           | MOTOROLA | MC3302D                  |
| MC3302L           | MOTOROLA | MC3302J                  |
| MC3302P           | MOTOROLA | MC3302N                  |
| MC3303L           | MOTOROLA | MC3303J                  |
| MC3303P           | MOTOROLA | MC3303N                  |
| MC34001AP         | MOTOROLA | MC34001AN                |
| MC34001BP         | MOTOROLA | MC34001BN                |
| MC34001P          | MOTOROLA | MC34001N                 |
| MC34002AP         | MOTOROLA | MC34002AN                |
| MC34002BP         | MOTOROLA | MC34002BN                |
| MC34002P          | MOTOROLA | MC34002N                 |
| MC34004AP         | MOTOROLA | MC34004AN                |

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| INDUSTRY STANDARD | SOURCE   | NEAREST SGS-THOMSON TYPE |
|-------------------|----------|--------------------------|
| MC34004BP         | MOTOROLA | MC34004BN                |
| MC34004P          | MOTOROLA | MC34004N                 |
| MC3403D           | MOTOROLA | MC3403D                  |
| MC3403L           | MOTOROLA | MC3403J                  |
| MC3403P           | MOTOROLA | MC3403N                  |
| MC3456L           | MOTOROLA | NE556J                   |
| MC3456P           | MOTOROLA | NE556N                   |
| MC3503L           | MOTOROLA | MC3503J                  |
| MC3556L           | MOTOROLA | SE556J                   |
| MC4558CP1         | MOTOROLA | MC4558CN                 |
| MC4558CU          | MOTOROLA | MC4558CJ                 |
| MC7805ACT         | MOTOROLA | L7805ACV                 |
| MC7805CK          | MOTOROLA | L7805CT                  |
| MC7805CT          | MOTOROLA | L7805CV                  |
| MC7805K           | MOTOROLA | L7805T                   |
| MC7606ACT         | MOTOROLA | L7606ACV                 |
| MC7806CK          | MOTOROLA | L78C6CT                  |
| MC7806CT          | MOTOROLA | L7806CV                  |
| MC7806K           | MOTOROLA | L7806T                   |
| MC7808ACT         | MOTOROLA | L7808ACV                 |
| MC7808CK          | MOTROLA  | L7808CT                  |
| MC7808CT          | MOTOROLA | L7808CV                  |
| MC7808K           | MOTOROLA | L7808T                   |
| MC7812ACT         | MOTOROLA | L7812ACV                 |
| MC7812CK          | MOTOROLA | L7812CT                  |
| MC7812CT          | MOTOROLA | L7812CV                  |
| MC7812K           | MOTOROLA | L7812T                   |
| MC7815ACT         | MOTOROLA | L7815ACV                 |
| MC7815CK          | MOTOROLA | L7815CT                  |
| MC7815CT          | MOTOROLA | L7815CV                  |
| MC7815K           | MOTOROLA | L7815T                   |
| MC7818ACT         | MOTOROLA | L7818ACV                 |
| MC7818CK          | MOTOROLA | L7818CT                  |
| MC7818CT          | MOTOROLA | L7818CV                  |
| MC7818K           | MOTOROLA | L7818T                   |
| MC7824ACT         | MOTOROLA | L7824ACV                 |
| MC7824ACT         | MOTOROLA | L7824CV                  |
| MC7824K           | MOTOROLA | L7824T                   |
| MC78M05CT         | MOTOROLA | L78M05CV                 |
| MC78M08CT         | MOTOROLA | L78M06CV                 |
| MC78M08CT         | MOTOROLA | L78M08CV                 |
| MC78M12CT         | MOTOROLA | L78M12CV                 |
| MC78M15CT         | MOTOROLA | L78M15CV                 |
| MC78M18CT         | MOTOROLA | L78M18CV                 |
| MC78M24CT         | MOTOROLA | L78M24CV                 |
| MC7905CK          | MOTOROLA | L7905CT                  |
| MC7905CT          | MOTOROLA | L7905CV                  |
| MC7908CK          | MOTOROLA | L7908CT                  |
| MC7908CT          | MOTOROLA | L7908CV                  |
| MC7912CK          | MOTOROLA | L7912CT                  |
| MC7912CT          | MOTOROLA | L7912CV                  |
| MC7915CK          | MOTOROLA | L7915CT                  |
| MC7915CT          | MOTOROLA | L7915CV                  |
| MC7918CK          | MOTOROLA | L7918CT                  |
| MC7918CT          | MOTOROLA | L7918CV                  |

| INDUSTRY STANDARD | SOURCE   | NEAREST SGS-THOMSON TYPE |
|-------------------|----------|--------------------------|
| MC7924CK          | MOTOROLA | L7924CT                  |
| MC7924CT          | MOTOROLA | L7924CV                  |
| MC7952CK          | MOTOROLA | L7952CT                  |
| MC7952CT          | MOTOROLA | L7952CV                  |
| TL070ACP          | MOTOROLA | TL072ACN                 |
| TL071ACP          | MOTOROLA | TL071ACN                 |
| TL071BCP          | MOTOROLA | TL071BCN                 |
| TL071CP           | MOTOROLA | TL071CN                  |
| TL072BCP          | MOTOROLA | TL072BCN                 |
| TL072CP           | MOTOROLA | TL072CN                  |
| TL074ACN          | MOTOROLA | TL074ACN                 |
| TL074BCN          | MOTOROLA | TL074BCN                 |
| TL074CJ           | MOTOROLA | TL074CJ                  |
| TL074CN           | MOTOROLA | TL074CN                  |
| TL081ACP          | MOTOROLA | TL081ACN                 |
| TL081BCP          | MOTOROLA | TL081BCN                 |
| TL081CP           | MOTOROLA | TL081CN                  |
| TL082ACP          | MOTOROLA | TL082ACN                 |
| TL082BCP          | MOTOROLA | TL082BCN                 |
| TL082CP           | MOTOROLA | TL082CN                  |
| TL084ACJ          | MOTOROLA | TL084ACJ                 |
| TL084ACN          | MOTOROLA | TL084ACN                 |
| TL084BCJ          | MOTOROLA | TL084BCJ                 |
| TL084BCN          | MOTOROLA | TL084BCN                 |
| TL084CJ           | MOTOROLA | TL084CJ                  |
| TL084CN           | MOTOROLA | TL84CN                   |
| <b>NATIONAL</b>   |          |                          |
| LM223K            | NATIONAL | LM223K                   |
| LM237K            | NATIONAL | LM237K                   |
| LM238K            | NATIONAL | LM238K                   |
| LF255M            | NATIONAL | LF255D                   |
| LF255N            | NATIONAL | LF255N                   |
| LF256M            | NATIONAL | LF256D                   |
| LF256N            | NATIONAL | LF256N                   |
| LF257M            | NATIONAL | LF257D                   |
| LF257N            | NATIONAL | LF257N                   |
| LM317K            | NATIONAL | LM317K                   |
| LM317T            | NATIONAL | LM317T                   |
| LM323K            | NATIONAL | LM323K                   |
| LM337K            | NATIONAL | LM337K                   |
| LM337T            | NATIONAL | LM337SP                  |
| LF347J            | NATIONAL | LF347J                   |
| LF347M            | NATIONAL | LF347D                   |
| LF347N            | NATIONAL | LF347N                   |
| LF351M            | NATIONAL | LF351D                   |
| LF351N            | NATIONAL | LF351N                   |
| LF353M            | NATIONAL | LF353D                   |
| LF353N            | NATIONAL | LF353N                   |
| LF355AM           | NATIONAL | LF355AD                  |
| LF355AN           | NATIONAL | LF355AN                  |
| LF355M            | NATIONAL | LF355D                   |
| LF355N            | NATIONAL | LF355N                   |
| LF356AM           | NATIONAL | LF356AD                  |
| LF356AN           | NATIONAL | LF356AN                  |

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| INDUSTRY STANDARD | SOURCE   | NEAREST SGS-THOMSON TYPE |
|-------------------|----------|--------------------------|
| LF356M            | NATIONAL | LF356D                   |
| LF356N            | NATIONAL | LF356N                   |
| LF357AM           | NATIONAL | LF357AD                  |
| LF357M            | NATIONAL | LF357D                   |
| LF357N            | NATIONAL | LF357N                   |
| LM101AM           | NATIONAL | LM101AD                  |
| LM119J            | NATIONAL | LM119J                   |
| LM124AJ           | NATIONAL | LM124AJ                  |
| LM124J            | NATIONAL | LM124J                   |
| LM139AJ           | NATIONAL | LM139AJ                  |
| LM139J            | NATIONAL | LM139J                   |
| LM1458M           | NATIONAL | MC1458D                  |
| LM1458N           | NATIONAL | MC1458N                  |
| LM146J            | NATIONAL | LM146J                   |
| LM148J            | NATIONAL | LM148J                   |
| LM158AJ           | NATIONAL | LM158AJ                  |
| LM158J            | NATIONAL | LM158J                   |
| LM193AJ           | NATIONAL | LM193AJ                  |
| LM193J            | NATIONAL | LM193J                   |
| LM201AM           | NATIONAL | LM201AD                  |
| LM201AN           | NATIONAL | LM201AN                  |
| LM219J            | NATIONAL | LM219J                   |
| LM224AJ           | NATIONAL | LM224AJ                  |
| LM224J            | NATIONAL | LM224J                   |
| LM239AJ           | NATIONAL | LM239AJ                  |
| LM239J            | NATIONAL | LM239J                   |
| LM246J            | NATIONAL | LM246J                   |
| LM2901J           | NATIONAL | LM2901J                  |
| LM2901M           | NATIONAL | LM2901D                  |
| LM2901N           | NATIONAL | LM2901N                  |
| LM2902J           | NATIONAL | LM2902J                  |
| LM2902M           | NATIONAL | LM2902D                  |
| LM2902N           | NATIONAL | LM2902N                  |
| LM2903M           | NATIONAL | LM2903D                  |
| LM2903N           | NATIONAL | LM2903N                  |
| LM2904J           | NATIONAL | LM2904J                  |
| LM2904M           | NATIONAL | LM2904D                  |
| LM2904N           | NATIONAL | LM2904N                  |
| LM293AJ           | NATIONAL | LM293AJ                  |
| LM293J            | NATIONAL | LM293J                   |
| LM293N            | NATIONAL | LM293N                   |
| LM301AJ           | NATIONAL | LM301AJ                  |
| LM301AM           | NATIONAL | LM301AN                  |
| LM301AN           | NATIONAL | LM301AN                  |
| LM308AJ-8         | NATIONAL | LM308AJ                  |
| LM308AM           | NATIONAL | LM308AD                  |
| LM308AN           | NATIONAL | LM308AN                  |
| LM308M            | NATIONAL | LM308D                   |
| LM308N            | NATIONAL | LM308N                   |
| LM311J-8          | NATIONAL | LM311J                   |
| LM311M            | NATIONAL | LM311D                   |
| LM311N            | NATIONAL | LM311N                   |
| LM318M            | NATIONAL | LM318D                   |
| LM318N            | NATIONAL | LM318N                   |

| INDUSTRY STANDARD | SOURCE   | NEAREST SGS-THOMSON TYPE |
|-------------------|----------|--------------------------|
| LM319J            | NATIONAL | LM319J                   |
| LM319M            | NATIONAL | LM319D                   |
| LM319N            | NATIONAL | LM319N                   |
| LM324AJ           | NATIONAL | LM324AJ                  |
| LM324AM           | NATIONAL | LM324AD                  |
| LM324AN           | NATIONAL | LM324AN                  |
| LM324J            | NATIONAL | LM324J                   |
| LM324M            | NATIONAL | LM324D                   |
| LM324N            | NATIONAL | LM324N                   |
| LM3302J           | NATIONAL | MC3302J                  |
| LM3302N           | NATIONAL | MC3302N                  |
| LM3303N           | NATIONAL | MC3303N                  |
| LM334Z            | NATIONAL | LM334Z                   |
| LM335Z            | NATIONAL | LM335Z                   |
| LM336BM           | NATIONAL | LM336BD                  |
| LM336BZ           | NATIONAL | LM336BZ                  |
| LM336M            | NATIONAL | LM336D                   |
| LM336Z            | NATIONAL | LM336Z                   |
| LM333AJ           | NATIONAL | LM339AJ                  |
| LM339AM           | NATIONAL | LM339AD                  |
| LM339AN           | NATIONAL | LM339AN                  |
| LM339J            | NATIONAL | LM339J                   |
| LM339M            | NATIONAL | LM339D                   |
| LM339N            | NATIONAL | LM339N                   |
| LM3403J           | NATIONAL | MC3403J                  |
| LM3403M           | NATIONAL | MC3403D                  |
| LM3403N           | NATIONAL | MC3403N                  |
| LM346J            | NATIONAL | LM346J                   |
| LM346M            | NATIONAL | LM346D                   |
| LM346N            | NATIONAL | LM346N                   |
| LM348M            | NATIONAL | LM348D                   |
| LM348N            | NATIONAL | LM348N                   |
| LM3503J           | NATIONAL | MC3503J                  |
| LM358AM           | NATIONAL | LM358AD                  |
| LM358AN           | NATIONAL | LM358AN                  |
| LM358J            | NATIONAL | LM358J                   |
| LM358M            | NATIONAL | LM358D                   |
| LM358N            | NATIONAL | LM358N                   |
| LM393AJ           | NATIONAL | LM393AJ                  |
| LM393AN           | NATIONAL | LM393AN                  |
| LM393J            | NATIONAL | LM393J                   |
| LM393M            | NATIONAL | LM393D                   |
| LM393N            | NATIONAL | LM393N                   |
| LM555CJ           | NATIONAL | NE555J                   |
| LM555CM           | NATIONAL | NE555D                   |
| LM555CN           | NATIONAL | NE555N                   |
| LM556CJ           | NATIONAL | NE556J                   |
| LM556CM           | NATIONAL | NE556D                   |
| LM556CN           | NATIONAL | NE556N                   |
| LM556J            | NATIONAL | SE556J                   |
| LM723CH           | NATIONAL | LM723CH                  |
| LM723CJ           | NATIONAL | LM723CD                  |
| LM723CM           | NATIONAL | LM723CD                  |
| LM723CN           | NATIONAL | LM723CN                  |
| LM723H            | NATIONAL | LM723H                   |

**CROSS REFERENCE: BY MANUFACTURER**

| INDUSTRY STANDARD | SOURCE   | NEAREST SGS-THOMSON TYPE | INDUSTRY STANDARD | SOURCE | NEAREST SGS-THOMSON TYPE |
|-------------------|----------|--------------------------|-------------------|--------|--------------------------|
| LM723J            | NATIONAL | LM723J                   | UPC3403G          | NEC    | MC3403D                  |
| LM741AH           | NATIONAL | UA741AH                  | UPC356C           | NEC    | LF356N                   |
| UM741AJ           | NATIONAL | UA741AJ                  | UPC357C           | NEC    | LF357N                   |
| LM741CH           | NATIONAL | UA741CH                  | UPC358C           | NEC    | LM358N                   |
| LM741CJ           | NATIONAL | UA741CJ                  | UPC358G           | NEC    | LM358D                   |
| LM741CM           | NATIONAL | UA741CD                  | UPC393C           | NEC    | LM393N                   |
| LM741CN           | NATIONAL | UA741CN                  | UPC451C           | NEC    | LM224N                   |
| LM741EH           | NATIONAL | UA741EH                  | UPC451D           | NEC    | LM224J                   |
| LM741EN           | NATIONAL | UA741EN                  | UPC452C           | NEC    | MC3303N                  |
| LM741H            | NATIONAL | UA741H                   | UPC452G           | NEC    | MC3303D                  |
| LM741J            | NATIONAL | UA741J                   | UPC4558G          | NEC    | MC4558CD                 |
| LM748CH           | NATIONAL | UA748CH                  | UPC4558N          | NEC    | MC4558CN                 |
| LM748CJ           | NATIONAL | UA748CJ                  | UPC4741C          | NEC    | LM348N                   |
| LM748CN           | NATIONAL | UA748CN                  | UPC4741G          | NEC    | LM348D                   |
| LM748H            | NATIONAL | UA748MH                  | UPC741C           | NEC    | UA741CN                  |
| LM748J            | NATIONAL | UA748J                   | <b>RCA</b>        |        |                          |
| LM7805CK          | NATIONAL | L7805CT                  | CA081AE           | RCA    | TL081ACN                 |
| LM7805CT          | NATIONAL | L7805CV                  | CA081BE           | RCA    | TL081BCN                 |
| LM7812CK          | NATIONAL | L7812CT                  | CA081E            | RCA    | TL081CN                  |
| LM7812CT          | NATIONAL | L7812CV                  | CA082AE           | RCA    | TL082ACN                 |
| LM7815CK          | NATIONAL | L7815CT                  | CA082BE           | RCA    | TL082BCN                 |
| LM7815CT          | NATIONAL | L7815CV                  | CA082E            | RCA    | TL082CN                  |
| LM7905CK          | NATIONAL | L7905CT                  | CA08AE            | RCA    | TL084ACN                 |
| LM7905CT          | NATIONAL | L7905CV                  | CA084BE           | RCA    | TL084BCN                 |
| LM7912CK          | NATIONAL | L7912CT                  | CA084E            | RCA    | TL084CN                  |
| LM7912CT          | NATIONAL | L7912CV                  | CA124E            | RCA    | LM124N                   |
| LM7915CK          | NATIONAL | L7915CT                  | CA139AF           | RCA    | LM139AJ                  |
| LM7915CT          | NATIONAL | L7915CV                  | CA139E            | RCA    | LM139N                   |
| LMC660AIN         | NATIONAL | TS27M4BIN                | CA139F            | RCA    | LM139J                   |
| LMC660CN          | NATIONAL | TS27M4ACN                | CA1458E           | RCA    | MC1458N                  |
| <b>NEC</b>        |          |                          | CA1558E           | RCA    | MC1558N                  |
| UPC1458C          | NEC      | MC1458N                  | CA158E            | RCA    | LM158N                   |
| UPC1458G          | NEC      | MC1458D                  | CA224E            | RCA    | LM224N                   |
| UPC1555C          | NEC      | NE555N                   | CA239AE           | RCA    | LM239AN                  |
| UPC1558C          | NEC      | NC1558N                  | CA239AF           | RCA    | LM239AJ                  |
| UPC156D           | NEC      | LM208N                   | CA239E            | RCA    | LM239N                   |
| UPC157C           | NEC      | LM201AN                  | CA239F            | RCA    | LM239J                   |
| UPC159D           | NEC      | LM318N                   | CA258E            | RCA    | LM258N                   |
| UPC251C           | NEC      | MC318N                   | CA2901E           | RCA    | LM2901N                  |
| UPC251G           | NEC      | MC1458IN                 | CA2901F           | RCA    | LM2901J                  |
| UPC251H           | NEC      | MC1458ID                 | CA2902E           | RCA    | LM2902N                  |
| UPC271C           | NEC      | LM211N                   | CA2904E           | RCA    | LM2904N                  |
| UPC271G           | NEC      | LM211D                   | CA301AE           | RCA    | LM301AN                  |
| UPC272C           | NEC      | LM219N                   | CA311E            | RCA    | LM311N                   |
| UPC272D           | NEC      | LM219J                   | CA324E            | RCA    | LM324N                   |
| UPC272G           | NEC      | LM219D                   | CA3290E           | RCA    | LM393N                   |
| UPC301AC          | NEC      | LM301AN                  | CA339AE           | RCA    | LM339AN                  |
| UPC311C           | NEC      | LM311N                   | CA339AF           | RCA    | LM339AJ                  |
| UPC319G           | NEC      | LM319D                   | CA339E            | RCA    | LM339N                   |
| UPC324C           | NEC      | LM324N                   | CA339F            | RCA    | LM339J                   |
| UPC324G           | NEC      | LM324D                   | CA358AE           | RCA    | LM358AN                  |
| UPC339C           | NEC      | LM339N                   | CA358E            | RCA    | LM358N                   |
| UPC339G           | NEC      | LM339D                   | CA555E            | RCA    | NE555N                   |
| UPC3403C          | NEC      | MC3403N                  | CA741CE           | RCA    | UA741CN                  |

**CROSS REFERENCE: BY MANUFACTURER**

| INDUSTRY STANDARD | SOURCE    | NEAREST SGS-THOMSON TYPE | INDUSTRY STANDARD | SOURCE    | NEAREST SGS-THOMSON TYPE |
|-------------------|-----------|--------------------------|-------------------|-----------|--------------------------|
| CA741CT           | RCA       | UA741CH                  | LM319D            | SIGNETICS | LM319D                   |
| CA741E            | RCA       | UA741EN                  | LM319F            | SIGNETICS | LM319J                   |
| CA741T            | RCA       | UA741H                   | LM324D            | SIGNETICS | LM324D                   |
| CA748CE           | RCA       | UA748CN                  | LM324F            | SIGNETICS | LM324J                   |
| CA748CT           | RCA       | UA748CH                  | LM324N            | SIGNETICS | LM324N                   |
| CA748T            | RCA       | UA748J                   | LM339AD           | SIGNETICS | LM339AD                  |
| <b>SIEMENS</b>    |           |                          | LM339AF           | SIGNETICS | LM339AJ                  |
| TBA222            | SIEMENS   | UA741H                   | LM339AN           | SIGNETICS | LM339AN                  |
| TBA222B           | SIEMENS   | UA741N                   | LM339D            | SIGNETICS | LM339D                   |
| TBB741G           | SIEMENS   | UA741CD                  | LM339F            | SIGNETICS | LM339J                   |
| <b>SIGNETICS</b>  |           |                          | LM339N            | SIGNETICS | LM339N                   |
| LM111D            | SIGNETICS | LM111D                   | LM358D            | SIGNETICS | LM358D                   |
| LM119D            | SIGNETICS | LM119D                   | LM358F            | SIGNETICS | LM358J                   |
| LM119F            | SIGNETICS | LM119J                   | LM358N            | SIGNETICS | LM358N                   |
| LM124D            | SIGNETICS | LM124D                   | LM393AF           | SIGNETICS | LM393AJ                  |
| LM124F            | SIGNETICS | LM124J                   | LM393AN           | SIGNETICS | LM393AN                  |
| LM124N            | SIGNETICS | LM124N                   | LM393D            | SIGNETICS | LM393D                   |
| LM139AD           | SIGNETICS | LM139AD                  | LM393F            | SIGNETICS | LM393J                   |
| LM139AF           | SIGNETICS | LM139AJ                  | LM393N            | SIGNETICS | LM393N                   |
| LM139D            | SIGNETICS | LM139D                   | MC1458D           | SIGNETICS | MC1458D                  |
| LM139F            | SIGNETICS | LM139J                   | MC1458FE          | SIGNETICS | MC1458J                  |
| LM139N            | SIGNETICS | LM139N                   | MC1458N           | SIGNETICS | MC1458N                  |
| LM158F            | SIGNETICS | LM158J                   | MC1558D           | SIGNETICS | MC1558D                  |
| LM158N            | SIGNETICS | LM158N                   | MC1558FE          | SIGNETICS | MC1558J                  |
| LM193AF           | SIGNETICS | LM193AJ                  | MC1558N           | SIGNETICS | MC1558N                  |
| LM193D            | SIGNETICS | LM193D                   | MC3302D           | SIGNETICS | MC3302D                  |
| LM193N            | SIGNETICS | LM193N                   | MC3302F           | SIGNETICS | MC3302J                  |
| LM211D            | SIGNETICS | LM211D                   | MC3302N           | SIGNETICS | MC3302N                  |
| LM211N            | SIGNETICS | LM211N                   | MC3303D           | SIGNETICS | MC3303D                  |
| LM219D            | SIGNETICS | LM219D                   | MC3303F           | SIGNETICS | MC3303J                  |
| LM219F            | SIGNETICS | LM219J                   | MC3303N           | SIGNETICS | MC3303N                  |
| LM224D            | SIGNETICS | LM224D                   | MC3403CF          | SIGNETICS | MC3403J                  |
| LM224F            | SIGNETICS | LM224J                   | MC3403CN          | SIGNETICS | MC3403N                  |
| LM224N            | SIGNETICS | LM224N                   | MC3403D           | SIGNETICS | MC3403D                  |
| LM239D            | SIGNETICS | LM239AD                  | MC3503F           | SIGNETICS | MC3503J                  |
| LM239AF           | SIGNETICS | LM239AJ                  | NE4558D           | SIGNETICS | MC4558CD                 |
| LM239AN           | SIGNETICS | LM239AN                  | NE4558F           | SIGNETICS | MC4558CJ                 |
| LM239D            | SIGNETICS | LM239D                   | NE4558N           | SIGNETICS | MC4558CN                 |
| LM239F            | SIGNETICS | LM239J                   | NE532D            | SIGNETICS | NE532D                   |
| LM239N            | SIGNETICS | LM239N                   | NE532F            | SIGNETICS | NE532J                   |
| LM258F            | SIGNETICS | LM258J                   | NE532N            | SIGNETICS | NE532N                   |
| LM258N            | SIGNETICS | LM258N                   | NE555D            | SIGNETICS | NE555D                   |
| LM2901D           | SIGNETICS | LM2901D                  | NE555F            | SIGNETICS | NE555J                   |
| LM2901F           | SIGNETICS | LM2901J                  | NE555N            | SIGNETICS | NE555N                   |
| LM2901N           | SIGNETICS | LM2901N                  | NE556D            | SIGNETICS | NE556D                   |
| LM2903F           | SIGNETICS | LM2903J                  | NE556F            | SIGNETICS | NE556J                   |
| LM2903N           | SIGNETICS | LM2903N                  | NE556N            | SIGNETICS | NE556N                   |
| LM293AF           | SIGNETICS | LM293AJ                  | SA1458D           | SIGNETICS | MC1458ID                 |
| LM293F            | SIGNETICS | LM293J                   | SA1458N           | SIGNETICS | MC1458IN                 |
| LM293N            | SIGNETICS | LM293N                   | SA4558D           | SIGNETICS | MC4558ID                 |
| LM311D            | SIGNETICS | LM311D                   | SA4558N           | SIGNETICS | MC4558IN                 |
| LM311F            | SIGNETICS | LM311J                   | SA532D            | SIGNETICS | LM2904D                  |
| LM311N            | SIGNETICS | LM311N                   | SA532FE           | SIGNETICS | LM2904J                  |
|                   |           |                          | SA532N            | SIGNETICS | LM2904N                  |
|                   |           |                          | SA534D            | SIGNETICS | LM2902D                  |

**CROSS REFERENCE: BY MANUFACTURER**

| INDUSTRY STANDARD | SOURCE    | NEAREST SGS-THOMSON TYPE | INDUSTRY STANDARD | SOURCE | NEAREST SGS-THOMSON TYPE |
|-------------------|-----------|--------------------------|-------------------|--------|--------------------------|
| SA534F            | SIGNETICS | LM2902J                  | LM2904P           | TEXAS  | LM2904N                  |
| SA534N            | SIGNETICS | LM2902N                  | LM293AJG          | TEXAS  | LM293AJ                  |
| SA741CN           | SIGNETICS | UA741IN                  | LM293D            | TEXAS  | LM293D                   |
| SE556F            | SIGNETICS | SE556J                   | LM293JG           | TEXAS  | LM293J                   |
| uA723CFP          | SIGNETICS | LM723CJ                  | LM301AD           | TEXAS  | LM301AD                  |
| uA723CN           | SIGNETICS | LM723CN                  | LM301AJG          | TEXAS  | LM301AJ                  |
| uA723F            | SIGNETICS | LM723J                   | LM301AP           | TEXAS  | LM301AN                  |
| UA741CD           | SIGNETICS | UA741CD                  | LM311D            | TEXAS  | LM311D                   |
| UA741CFE          | SIGNETICS | UA741CJ                  | LM311JG           | TEXAS  | LM311J                   |
| UA741CN           | SIGNETICS | UA741CN                  | LM311P            | TEXAS  | LM311N                   |
| UA741FE           | SIGNETICS | UA741J                   | LM318D            | TEXAS  | LM318D                   |
| UA741N            | SIGNETICS | UA741N                   | LM318P            | TEXAS  | LM318N                   |
| <b>TEXAS</b>      |           |                          | LM324AD           | TEXAS  | LM324AD                  |
| LM124AJ           | TEXAS     | LM124AJ                  | LM324AJ           | TEXAS  | LM324AJ                  |
| LM124J            | TEXAS     | LM124J                   | LM324AN           | TEXAS  | LM324AN                  |
| LM139AJ           | TEXAS     | LM139AJ                  | LM324D            | TEXAS  | LM324D                   |
| LM139J            | TEXAS     | LM139J                   | LM324J            | TEXAS  | LM324J                   |
| LM14BJ            | TEXAS     | LM148J                   | LM324N            | TEXAS  | LM324N                   |
| LM158AJG          | TEXAS     | LM158AJ                  | LM3302D           | TEXAS  | MC3302D                  |
| LM158JG           | TEXAS     | LM158J                   | LM3302J           | TEXAS  | MC3302J                  |
| LM193AJG          | TEXAS     | LM193AJ                  | LM3302N           | TEXAS  | MC3302N                  |
| LM201AD           | TEXAS     | LM201AD                  | LM337KC           | TEXAS  | LM337SP                  |
| LM201AP           | TEXAS     | LM201AN                  | LM339AD           | TEXAS  | LM339AD                  |
| LM211D            | TEXAS     | LM211D                   | LM339AJ           | TEXAS  | LM339AJ                  |
| LM211P            | TEXAS     | LM211N                   | LM339AN           | TEXAS  | LM339AN                  |
| LM224AD           | TEXAS     | LM224AD                  | LM339D            | TEXAS  | LM339D                   |
| LM224AJ           | TEXAS     | LM224AJ                  | LM339J            | TEXAS  | LM339J                   |
| LM224AN           | TEXAS     | LM224AN                  | LM339N            | TEXAS  | LM339N                   |
| LM224D            | TEXAS     | LM224D                   | LM348D            | TEXAS  | LM348D                   |
| LM224J            | TEXAS     | LM224J                   | LM348N            | TEXAS  | LM348N                   |
| LM224N            | TEXAS     | LM224N                   | LM358AD           | TEXAS  | LM358AD                  |
| LM239AD           | TEXAS     | LM239AD                  | LM358AJG          | TEXAS  | LM358AJ                  |
| LM239AJ           | TEXAS     | LM239AJ                  | LM358AP           | TEXAS  | LM358AN                  |
| LM239AN           | TEXAS     | LM239AN                  | LM358D            | TEXAS  | LM358D                   |
| LM239D            | TEXAS     | LM239D                   | LM358JG           | TEXAS  | LM358J                   |
| LM239J            | TEXAS     | LM239J                   | LM368P            | TEXAS  | LM368N                   |
| LM239N            | TEXAS     | LM239N                   | LM393AD           | TEXAS  | LM393AD                  |
| LM248D            | TEXAS     | LM248D                   | LM393AJG          | TEXAS  | LM393AJ                  |
| LM248N            | TEXAS     | LM248N                   | LM393AP           | TEXAS  | LM393AN                  |
| LM258AJG          | TEXAS     | LM258AJ                  | LM393D            | TEXAS  | LM393D                   |
| LM258D            | TEXAS     | LM258D                   | LM393JG           | TEXAS  | LM393J                   |
| LM258JG           | TEXAS     | LM258J                   | LM393P            | TEXAS  | LM293N                   |
| LM258P            | TEXAS     | LM258N                   | LM393P            | TEXAS  | LM393N                   |
| LM2901D           | TEXAS     | LM2901D                  | MC1458D           | TEXAS  | MC1458D                  |
| LM2901J           | TEXAS     | LM2901J                  | MC1458JG          | TEXAS  | MC1458J                  |
| LM2901N           | TEXAS     | LM2901N                  | MC1458P           | TEXAS  | MC1458N                  |
| LM2902D           | TEXAS     | LM2902D                  | MC1558JG          | TEXAS  | MC1558J                  |
| LM2902J           | TEXAS     | LM2902J                  | MC3303D           | TEXAS  | MC3303D                  |
| LM2902N           | TEXAS     | LM2902N                  | MC3303J           | TEXAS  | MC3303J                  |
| LM2903D           | TEXAS     | LM2903D                  | MC3303N           | TEXAS  | MC3303N                  |
| LM2903JG          | TEXAS     | LM2903J                  | MC3403D           | TEXAS  | MC3403D                  |
| LM2903P           | TEXAS     | LM2903N                  | MC3403J           | TEXAS  | MC3403J                  |
| LM2904D           | TEXAS     | LM2904D                  | MC3403N           | TEXAS  | MC3403N                  |
| LM2904JG          | TEXAS     | LM2904J                  | MC3503J           | TEXAS  | MC3503J                  |
|                   |           |                          | NE555D            | TEXAS  | NE555D                   |

**CROSS REFERENCE: BY MANUFACTURER**

| INDUSTRY STANDARD | SOURCE | NEAREST SGS-THOMSON TYPE | INDUSTRY STANDARD | SOURCE | NEAREST SGS-THOMSON TYPE |
|-------------------|--------|--------------------------|-------------------|--------|--------------------------|
| NE555JG           | TEXAS  | NE555J                   | TL072CP           | TEXAS  | TL072CN                  |
| NE556P            | TEXAS  | NE555N                   | TL072ID           | TEXAS  | TL072ID                  |
| NE556D            | TEXAS  | NE556D                   | TL072IP           | TEXAS  | TL072IN                  |
| NE556J            | TEXAS  | NE556J                   | TL074ACD          | TEXAS  | TL074ACD                 |
| NE556N            | TEXAS  | NE556N                   | TL074ACN          | TEXAS  | TL074ACN                 |
| RCA558D           | TEXAS  | MC4558CD                 | TL074BCD          | TEXAS  | TL074BCD                 |
| RCA558JG          | TEXAS  | MC4558CJ                 | TL074BCN          | TEXAS  | TL074BCN                 |
| RC4558P           | TEXAS  | MC4558CN                 | TL074CD           | TEXAS  | TL074CD                  |
| RV4558D           | TEXAS  | MC4558ID                 | TL074CN           | TEXAS  | TL074CN                  |
| RV4558P           | TEXAS  | MC4558IN                 | TL074ID           | TEXAS  | TL074ID                  |
| SA655D            | TEXAS  | SA655D                   | TL074IN           | TEXAS  | TL074IN                  |
| SA555JG           | TEXAS  | SA555J                   | TL081ACD          | TEXAS  | TL081ACD                 |
| SA556P            | TEXAS  | SA556N                   | TL081ACP          | TEXAS  | TL081ACN                 |
| SA556D            | TEXAS  | SA556D                   | TL081BCD          | TEXAS  | TL081BCD                 |
| SA556J            | TEXAS  | SA556J                   | TL081BCP          | TEXAS  | TL081BCN                 |
| SA556N            | TEXAS  | SA556N                   | TL081CD           | TEXAS  | TL081CD                  |
| SE655JG           | TEXAS  | SE665J                   | TL081CP           | TEXAS  | TL081CN                  |
| SE556J            | TEXAS  | SE556J                   | TL081ID           | TEXAS  | TL081ID                  |
| TL061ACD          | TEXAS  | TL061ACD                 | TL081ID           | TEXAS  | TL081IN                  |
| TL061ACP          | TEXAS  | TL061ACN                 | TL082ACD          | TEXAS  | TL082ACD                 |
| TL061BCD          | TEXAS  | TL061BCD                 | TL082BCD          | TEXAS  | TL082BCD                 |
| TL061BCP          | TEXAS  | TL061BCN                 | TL082BCP          | TEXAS  | TL082BCN                 |
| TL061CD           | TEXAS  | TL061CD                  | TL082CD           | TEXAS  | TL082CD                  |
| TL061CP           | TEXAS  | TL061CN                  | TL082CP           | TEXAS  | TL082CN                  |
| TL061ID           | TEXAS  | TL061ID                  | TL082ID           | TEXAS  | TL082ID                  |
| TL061IP           | TEXAS  | TL061IN                  | TL082IP           | TEXAS  | TL082IN                  |
| TL062ACP          | TEXAS  | TL062ACN                 | TL084ACD          | TEXAS  | TL084ACD                 |
| TL062ACPD         | TEXAS  | TL062ACD                 | TL084ACN          | TEXAS  | TL084ACN                 |
| TL062BCD          | TEXAS  | TL062BCD                 | TL084BCD          | TEXAS  | TL084BCD                 |
| TL062BCP          | TEXAS  | TL062BCN                 | TL084BCN          | TEXAS  | TL084BCN                 |
| TL062CD           | TEXAS  | TL062CD                  | TL084CD           | TEXAS  | TL084CD                  |
| TL062CP           | TEXAS  | TL062CN                  | TL08CN            | TEXAS  | TL084CN                  |
| TL062ID           | TEXAS  | TL062ID                  | TL084ID           | TEXAS  | TL084ID                  |
| TL062IP           | TEXAS  | TL062IN                  | TL084IN           | TEXAS  | TL084IN                  |
| TL064ACD          | TEXAS  | TL064ACD                 | TLC271ACD         | TEXAS  | TS271ACD                 |
| TL064ACN          | TEXAS  | TL064ACN                 | TLC271ACP         | TEXAS  | TS271ACN                 |
| TL064BCD          | TEXAS  | TL0648CD                 | TLC271AID         | TEXAS  | TS271AID                 |
| TL0648CN          | TEXAS  | TL0648CN                 | TLC271AIP         | TEXAS  | TS271AIN                 |
| TL064CD           | TEXAS  | TL064CD                  | TLC271BCD         | TEXAS  | TS271BCD                 |
| TL064CN           | TEXAS  | TL064CN                  | TLC271BCP         | TEXAS  | TS271BCN                 |
| TL064ID           | TEXAS  | TL064ID                  | TLC271BID         | TEXAS  | TS271BID                 |
| TL064IN           | TEXAS  | TL064IN                  | TLC271BIP         | TEXAS  | TS271BIN                 |
| TL071ACD          | TEXAS  | TL071ACD                 | TLC271CD          | TEXAS  | TS271CD                  |
| TL071ACP          | TEXAS  | TL071ACN                 | TLC271CP          | TEXAS  | TS271CN                  |
| TL071BCD          | TEXAS  | TL071BCD                 | TLC271ID          | TEXAS  | TS271ID                  |
| TL071BCP          | TEXAS  | TL071BCN                 | TLC271IP          | TEXAS  | TS271IN                  |
| TL071CD           | TEXAS  | TL071CD                  | TLC272ACD         | TEXAS  | TS272ACD                 |
| TL071CP           | TEXAS  | TL071CN                  | TLC272ACP         | TEXAS  | TS272ACN                 |
| TL071ID           | TEXAS  | TL071ID                  | TLC272AID         | TEXAS  | TS272AID                 |
| TL071IP           | TEXAS  | TL071IN                  | TLC272AIP         | TEXAS  | TS272AIN                 |
| TL072ACD          | TEXAS  | TL072ACD                 | TLC272BCD         | TEXAS  | TS272BCD                 |
| TL072ACP          | TEXAS  | TL072ACN                 | TLC272BCP         | TEXAS  | TS272BCN                 |
| TL072BCD          | TEXAS  | TL072BCD                 | TLC272BID         | TEXAS  | TS272BID                 |
| TL072BCP          | TEXAS  | TL072BCN                 | TLC272BIP         | TEXAS  | TS272BIN                 |
| TL072CD           | TEXAS  | TL072CD                  | TLC272CD          | TEXAS  | TS272CD                  |



### CROSS REFERENCE: BY MANUFACTURER

| INDUSTRY STANDARD | SOURCE | NEAREST SGS-THOMSON TYPE | INDUSTRY STANDARD | SOURCE  | NEAREST SGS-THOMSON TYPE |
|-------------------|--------|--------------------------|-------------------|---------|--------------------------|
| TLC272CP          | TEXAS  | TS272CN                  | TLC27M4BCD        | TEXAS   | TS27M4BCD                |
| TLC272ID          | TEXAS  | TS272ID                  | TLC27M4BCN        | TEXAS   | TS27M4BCN                |
| TLC272IP          | TEXAS  | TS272IN                  | TLC27M4BID        | TEXAS   | TS27M4BID                |
| TLC274ACD         | TEXAS  | TS274ACD                 | TLC27M4BIN        | TEXAS   | TS27M4BIN                |
| TLC274ACN         | TEXAS  | TS274ACN                 | TLC27M4CD         | TEXAS   | TS27M4CD                 |
| TLC274AID         | TEXAS  | TS274AID                 | TLC27M4CN         | TEXAS   | TS27M4CN                 |
| TLC274AIP         | TEXAS  | TS274AIN                 | TLC27M4ID         | TEXAS   | TS27M4ID                 |
| TLC274BCD         | TEXAS  | TS274BCD                 | TLC27M4IN         | TEXAS   | TS27M4IN                 |
| TLC274BCN         | TEXAS  | TS274BCN                 | TLC372CD          | TEXAS   | TS372CD                  |
| TLC274BID         | TEXAS  | TS274BID                 | TLC372CP          | TEXAS   | TS372CN                  |
| TLC274BIP         | TEXAS  | TS274BIN                 | TLC372ID          | TEXAS   | TS372ID                  |
| TLC274CD          | TEXAS  | TS274CD                  | TLC372IP          | TEXAS   | TS372IN                  |
| TLC274CN          | TEXAS  | TS274CN                  | TLC374CD          | TEXAS   | TS374CD                  |
| TLC274ID          | TEXAS  | TS274ID                  | TLC374CN          | TEXAS   | TS374CD                  |
| TLC274IN          | TEXAS  | TS274IN                  | TLC374ID          | TEXAS   | TS374ID                  |
| TLC27L2ACD        | TEXAS  | TS27L2ACD                | TLC374IN          | TEXAS   | TS374IN                  |
| TLC27L2ACP        | TEXAS  | TS27L2ACN                | uA723CJ           | TEXAS   | LM723CJ                  |
| TLC27L2AID        | TEXAS  | TS27L2AID                | uA723MJN          | TEXAS   | LM723J                   |
| TLC27L2AIP        | TEXAS  | TS27L2AIN                | UA741CD           | TEXAS   | UA741CD                  |
| TLC27L2BCO        | TEXAS  | TS27L2BCD                | UA741CJG          | TEXAS   | UA741CJ                  |
| TLC27L2BCP        | TEXAS  | TS27L2BCN                | UA741CP           | TEXAS   | UA741CN                  |
| TLC27L2BID        | TEXAS  | TS27L2B1D                | UA741MJG          | TEXAS   | UA741J                   |
| TLC27L2BIP        | TEXAS  | TS27L2BIN                | UA748CD           | TEXAS   | UA748CD                  |
| TLC27L2CD         | TEXAS  | TS27L2CD                 | UA748CJG          | TEXAS   | UA748CJ                  |
| TLC27L2CP         | TEXAS  | TS27L2CN                 | UA748CP           | TEXAS   | UA748CN                  |
| TLC27L2D          | TEXAS  | TS27L2ID                 | UA748MJG          | TEXAS   | UA748J                   |
| TLC27L2IP         | TEXAS  | TS27L2IN                 | uA7805CKC         | TEXAS   | L7805CV                  |
| TLC27L4ACD        | TEXAS  | TS27L4ACD                | uA7806CKC         | TEXAS   | L7806CV                  |
| TLC27L4ACN        | TEXAS  | TS27L4ACN                | uA7806CKC         | TEXAS   | L7806CV                  |
| TLC27L4AID        | TEXAS  | TS27L4AID                | uA7808CKC         | TEXAS   | L7808CV                  |
| TLC27L4AIN        | TEXAS  | TS27L4AIN                | uA7812CKC         | TEXAS   | L7812CV                  |
| TLC27L4BCD        | TEXAS  | TS27L4BCD                | uA7815CKC         | TEXAS   | L7815CV                  |
| TLC27L4BCN        | TEXAS  | TS27L4BCN                | uA7818CKC         | TEXAS   | L7818CV                  |
| TLC27L4BID        | TEXAS  | TS27L4BID                | uA7824CKC         | TEXAS   | L7824CV                  |
| TLC27L4BIN        | TEXAS  | TS27L4BIN                | uA78M05CKC        | TEXAS   | L78M05CV                 |
| TLC27L4CD         | TEXAS  | TS27L4CD                 | uA78M06CKC        | TEXAS   | L78M06CV                 |
| TLC27L4CN         | TEXAS  | TS27L4CN                 | uA78M08CKC        | TEXAS   | L78M08CV                 |
| TLC27L4ID         | TEXAS  | TS27L4ID                 | uA78M12CKC        | TEXAS   | L78M12CV                 |
| TLC27L4IN         | TEXAS  | TS27L4IN                 | uA78M15CKC        | TEXAS   | L78M15CV                 |
| TLC27M2ACD        | TEXAS  | TS27M2ACD                | uA78M24CKC        | TEXAS   | L78M24CV                 |
| TLC27M2ACP        | TEXAS  | TS27M2ACN                | uA7905CKC         | TEXAS   | L7905CV                  |
| TLC27M2AID        | TEXAS  | TS27M2AID                | uA7908CKC         | TEXAS   | L7908CV                  |
| TLC27M2AIP        | TEXAS  | TS27M2AIN                | uA7912CKC         | TEXAS   | L7912CV                  |
| TLC27M2BCD        | TEXAS  | TS27M2BCN                | uA7915CKC         | TEXAS   | L7915CV                  |
| TLC27M2BCP        | TEXAS  | TS27M2BCN                | uA7918CKC         | TEXAS   | L7918CV                  |
| TLC27M2BID        | TEXAS  | TS27M2BID                | uA7924CKC         | TEXAS   | L7924CV                  |
| TLC27M2BIP        | TEXAS  | TS27M2BIN                | uA7952CKC         | TEXAS   | L7952CV                  |
| TLC27M2CD         | TEXAS  | TS27M2CD                 | <b>THOMSON</b>    |         |                          |
| TLC27M2CP         | TEXAS  | TS27M2CN                 | LM317SP           | THOMSON | LM317T                   |
| TLC27M2ID         | TEXAS  | TS27M2ID                 | uA723CFP          | THOMSON | LM723CD                  |
| TLC27M2IP         | TEXAS  | TS27M2IN                 | uA78S05CK         | THOMSON | L78S05CT                 |
| TLC27M4ACD        | TEXAS  | TS27M4ACD                | uA78S05CSP        | THOMSON | L78S05CV                 |
| TLC27M4ACN        | TEXAS  | TS27M4ACN                | uA78S09CK         | THOMSON | L78S09CT                 |
| TLC27M4AID        | TEXAS  | TS27M4AID                | uA78S09CSP        | THOMSON | L78S09CV                 |
| TLC27M4AIN        | TEXAS  | TS27M4AIN                |                   |         |                          |

**CROSS REFERENCE: BY MANUFACTURER**

| INDUSTRY STANDARD | SOURCE  | NEAREST SGS-THOMSON TYPE | INDUSTRY STANDARD | SOURCE  | NEAREST SGS-THOMSON TYPE |
|-------------------|---------|--------------------------|-------------------|---------|--------------------------|
| uA78S12CK         | THOMSON | L78S12CT                 | TA7555F           | TOSHIBA | NE565D                   |
| uA78S12CSP        | THOMSON | L78S12CV                 | TA7555P           | TOSHIBA | NE555N                   |
| uA78S15CK         | THOMSON | L78S15CT                 | TA75902F          | TOSHIBA | LM2902D                  |
| uA78S15CSP        | THOMSON | L78S15CV                 | TA75902P          | TOSHIBA | LM2902N                  |
| uA723CDP          | THOMSON | LM723CN                  |                   |         |                          |
| uA723CFP          | THOMSON | LM723CD                  |                   |         |                          |
| uA723CH           | THOMSON | LM723CH                  |                   |         |                          |
| uA723MDG          | THOMSON | LM723J                   |                   |         |                          |
| uA723MH           | THOMSON | LM723H                   |                   |         |                          |
| uA7805CK          | THOMSON | L7805CT                  |                   |         |                          |
| uA7805CSP         | THOMSON | L7805CV                  |                   |         |                          |
| uA7806CK          | THOMSON | L7806CT                  |                   |         |                          |
| uA7806CSP         | THOMSON | L7806CV                  |                   |         |                          |
| uA7812CK          | THOMSON | L7812CT                  |                   |         |                          |
| uA7812CSP         | THOMSON | L7812CV                  |                   |         |                          |
| uA7815CK          | THOMSON | L7815CT                  |                   |         |                          |
| uA7815CSP         | THOMSON | L7815CV                  |                   |         |                          |
| uA7818CK          | THOMSON | L7818CT                  |                   |         |                          |
| uA7818CSP         | THOMSON | L7818CV                  |                   |         |                          |
| uA7824CK          | THOMSON | L7824CT                  |                   |         |                          |
| uA7824CSP         | THOMSON | L7824CV                  |                   |         |                          |
| uA7905CK          | THOMSON | L7905CT                  |                   |         |                          |
| uA7905CSP         | THOMSON | L7905CV                  |                   |         |                          |
| uA7912CK          | THOMSON | L7912CT                  |                   |         |                          |
| uA7912CSP         | THOMSON | L7912CV                  |                   |         |                          |
| uA7915CK          | THOMSON | L7915CT                  |                   |         |                          |
| uA7915CSP         | THOMSON | L7915CV                  |                   |         |                          |
|                   |         |                          |                   |         |                          |
| TA7504P           | TOSHIBA | UA741CN                  |                   |         |                          |
| TA75061P          | TOSHIBA | TL061CN                  |                   |         |                          |
| TA75062F          | TOSHIBA | TL062CD                  |                   |         |                          |
| TA75062P          | TOSHIBA | TL064CN                  |                   |         |                          |
| TA75064F          | TOSHIBA | TL064CD                  |                   |         |                          |
| TA75064P          | TOSHIBA | TL064IN                  |                   |         |                          |
| TA75064P          | TOSHIBA | TL064CN                  |                   |         |                          |
| TA7506P           | TOSHIBA | LM301AN                  |                   |         |                          |
| TA75071F          | TOSHIBA | TL071CD                  |                   |         |                          |
| TA75071P          | TOSHIBA | TL071CN                  |                   |         |                          |
| TA75072F          | TOSHIBA | TL072CD                  |                   |         |                          |
| TA75072P          | TOSHIBA | TL072CN                  |                   |         |                          |
| TA75074F          | TOSHIBA | TL074CD                  |                   |         |                          |
| TA75074P          | TOSHIBA | TL074CN                  |                   |         |                          |
| TA75339F          | TOSHIBA | LM290ID                  |                   |         |                          |
| TA75339P          | TOSHIBA | LM2901N                  |                   |         |                          |
| TA75358CF         | TOSHIBA | LM358D                   |                   |         |                          |
| TA75358CP         | TOSHIBA | LM358N                   |                   |         |                          |
| TA75358F          | TOSHIBA | LM2904D                  |                   |         |                          |
| TA75358P          | TOSHIBA | LM2904N                  |                   |         |                          |
| TA75393F          | TOSHIBA | LM2903D                  |                   |         |                          |
| TA7539P           | TOSHIBA | LM2903N                  |                   |         |                          |
| TA7540P           | TOSHIBA | UA776IN                  |                   |         |                          |
| TA75458F          | TOSHIBA | MC1458D                  |                   |         |                          |
| TA75558F          | TOSHIBA | MC4558CD                 |                   |         |                          |
| TA75558P          | TOSHIBA | MC4558CN                 |                   |         |                          |