

CROSS REFERENCE GUIDE

INDUSTRIAL TEMPERATURE RANGE

FUNCTION	NEC	FAIRCHILD	NATIONAL	MOTOROLA	T.I.
General Purpose OP Amp.	μPC55D	--	--	MC1709CU	μA709CJG
General Purpose OP Amp.	μPC151D μPC151C μPC151G	μA741RC μA741TC --	LM741CJ LM741CN --	MC1741CU MC1741CP1 --	μA741CJG μA741CP --
Instrumentation OP Amp.	μPC154D	μA725RC	LM725CJ	MC1456CU*	--
Super Beta OP Amp.	μPC156D	--	LM308J-8	LM308U	--
General Purpose OP Amp.	μPC157D μPC157C	-- μA301AT	LM301AJ LM301AN	LM301AJ LM301AN	LM301AJG LM301AP
High Speed Wide Band OP Amp.	μPC159D	--	LM318J-8	--	LM318JG
Micro Power OP Amp. (Programmable)	μPC253DΔ	--	--	--	--
Instrumentation OP Amp.	μPC254A μPC254D	-- Precision Monolithic Inc. OP-05CJ -- * -- Precision Monolithic Inc. OP-05CY --			
Instrumentation OP Amp.	μPC354D	* -- Precision Monolithic Inc. OP-07CY --			
J-FET Input OP Amp.	μPC801C μPC801D	μAF771LTC* μAF771RC*	LF351N* --	MC34001P* MC34001U*	TL081C TL081CJG
Micro Power OP Amp. (Programmable)	μPC802C μPC802G	-- --	LM4250CN --	-- --	-- --
Dual General Purpose OP Amp.	μPC251C μPC251D μPC251G	μA1458TC μA1458RC --	LM1458N LM1458J --	MC1458P1 MC1458L --	MC1458P MC1458JG --
Dual General Purpose OP Amp.	μPC258C μPC258D μPC258G	μA4558TC μA4558RC --	-- -- --	MC4558CP1 MC4558CU --	RC4558P RC4558JG --
Dual High Speed Wide Band OP Amp. Δ	μPC259CΔ	--	--	--	--
Dual Instrumentation OP Amp.	μPC454D	-- Precision Monolithic Inc. OP-10CY --			
Dual Low Power OP Amp.	μPC1251C μPC1251D μPC1251G	-- -- --	LM358N -- --	LM358N LM358J --	LM358P LM358JG --
Dual J-FET Input OP Amp.	μPC803C μPC803D	μAF772LTC* μAF772RC*	LF353N* --	MC34002P* MC34002U*	TL082CP TL082CJG
Quad Low Power OP Amp.	μPC451C μPC451D μPC451G	μA324P μA324D --	LM324N LM324J --	LM324N LM324J --	LM324N LM324J --
Quad General Purpose OP Amp.	μPC458C μPC458D μPC458G	HARRIS HA4741-5 -- --	-- -- --	MC4741P -- --	-- -- --
Quad J-FET Input OP Amp.	μPC804D μPC804C	μAF774RC* μAF774LTC*	-- LF347N*	MC34004U* MC34004P*	TL084JG TL084CP

* PMI; 14 pin Ceramic Package, NEC; 8 pin Ceramic Package

● Functional Equivalent

Δ NEC Original Device

FUNCTION	NEC	FAIRCHILD	NATIONAL	MOTOROLA	T.I.
Precision Comparator	μ PC271C μ PC271D μ PC271G	μ A311T μ A311R —	LM311N LM311J—8 —	LM311N LM311J—8 —	LM311P LM311JG —
Dual High Speed Comparator	μ PC272C μ PC272D μ PC272G	— — —	LM319N LM319J —	— — —	— — —
Dual Low Power Comparator	μ PC277C μ PC277D μ PC277G	— — —	LM393N — —	— — —	LM393P LM393JG —
Quad Low Power Comparator	μ PC177C μ PC177D μ PC177G	μ A339P μ A339D	LM339N LM339J	LM339N LM339J	LM339N LM339J
6 Bit D/A Converter	μ PC603D	— Precision Monolithic Inc. DAC—01CY —			
10 Bit D/A Converter	μ PC610D	— Precision Monolithic Inc. DAC—02CCX1 —			
8 Bit D/A Converter	μ PC624D μ PC624C	— Precision Monolithic Inc. DAC—08EQ			
4.5 Digit Integrating A/D (Analog)	μ PC646D	—	LF13300	—	—
4.5 Digit Integrating A/D (Digital)	μ PC647C ^Δ	—	MM5330 [•]	—	—
Timer	μ PC617C	μ A555TC	LM555CN	MC1455L	NE555P
Precision Positive Regulator	μ PC141D μ PC141C	— μ A376TC	— LM376N	— —	— LM305P
Switching Regulator Controller	μ PC1042C	—	—	—	—
Over Voltage Protector	μ PC3423C	—	—	MC3423P1	—

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COMMERCIAL TEMPERATURE RANGE

FUNCTION	NEC	FAIRCHILD	NATIONAL	MOTOROLA	T.I.
General Purpose OP Amp	μ PC741C μ PC741G	μ A741TC —	LM741CN —	MC1741CP1 —	μ A741CP —
General Purpose OP Amp	μ PC301AC	μ A301AT	LM301AN	LM301AN	LM301AP
J-FET Input OP Amp	μ PC4081C μ PC4081G	μ AF771LTC [●] —	LF351N [●] —	MC34001P [●] —	TL081C —
Micro Power OP Amp (Programmable)	μ PC4250C μ PC4250G	— —	LM4250CN —	— —	— —
Dual General Purpose OP Amp	μ PC1458C μ PC1458G	μ A1458TC —	LM1458N —	MC1458P1 —	MC1458P —
Dual Decompensated OP Amp	μ PC4556 [△]	—	—	—	—
Dual Head Phone Amp	μ PC4557 [△]	—	—	—	—
Dual General Purpose OP Amp	μ PC4558C μ PC4558G	μ A4558TC —	— —	MC4558CP1 —	RC4558P —
Dual General Purpose OP Amp	μ PC4559C	—RAYTHEON RC4559NB—			
Dual High Speed Wide Band OP Amp	μ PC4560C [△]	—	—	—	—
Dual General Purpose OP Amp	μ PC358C μ PC358G	— —	LM358N —	LM358N —	LM358P —
Dual J-FET Input OP Amp	μ PC4082C	μ AF772LTC [●]	LF353N [●]	MC34002P [●]	TL082CP
Quad Low Power OP Amp	μ PC324C μ PC324G	μ A324P —	LM324N —	LM324N —	LM324N —
Quad General Purpose OP Amp	μ PC4741C μ PC4741G	HARRIS HA4741—5 —		MC4741P —	— —
Quad J-FET Input OP Amp	μ PC4084C	μ AF774LTC [●]	LF347N [●]	MC34004P [●]	TL084CP
Precision Comparator	μ PC311C μ PC311G	μ A311T —	LM311N —	LM311N —	LM311P —
Dual High Speed Comparator	μ PC319C μ PC319G	— —	LM319N —	— —	— —
Dual Low Power Comparator	μ PC393C μ PC393G	— —	LM393N —	— —	LM393P —
Quad Low Power Comparator	μ PC339C μ PC339G	μ A339P —	LM339N —	LM339N —	LM339N —
Timer	μ PC1555C	μ A555TC	LM555CN	MC1455CP1	NE555P
Three Terminal Positive Regulator (0.1 A)	μ PC78L05 μ PC78L08 μ PC78L12 μ PC78L15	μ A78L05AWC μ A78L08AWC μ A78L12AWC μ A78L15AWC	LM78L05CZ LM78L08CZ LM78L12CZ LM78L15CZ	MC78L05CP MC78L08CP MC78L12CP MC78L15CP	μ A78L05CLP μ A78L08CLP μ A78L12CLP μ A78L15CLP

● Functional Equivalent

△ NEC Original Device

FUNCTION	NEC	FAIRCHILD	NATIONAL	MOTOROLA	T.I.
Three Terminal Positive Regulator (0.5 A)	μ PC78M05H	μ A78M05UC	LM341P-5.	MC78M05CP	μ A78M05CKC
	μ PC78M08H	μ A78M08UC	LM341P-8.	MC78M08CP	μ A78M08CKC
	μ PC78M10H	-	-	-	-
	μ PC78M12H	μ A78M12UC	LM341P-12	MC78M12CP	μ A78M12CKC
	μ PC78M15H	μ A78M15UC	LM341P-15	MC78M15CP	μ A78M15CKC
	μ PC78M18H	μ A78M18UC	LM341P-18	MC78M18CP	μ A78M18CKC
Three Terminal Positive Regulator (1 A)	μ PC78M24H	μ A78M24UC	LM341P-24	MC78M24CP	μ A78M24CKC
	μ PC7805H	μ A7805UC	LM340T-5	MC7805CP	μ A7805CKC
	μ PC7808H	μ A7808UC	LM340T-8	MC7808CP	μ A7808CKC
	μ PC7812H	μ A7812UC	LM340T-12	MC7812CP	μ A7812CKC
	μ PC7815H	μ A7815UC	LM340T-15	MC7815CP	μ A7815CKC
	μ PC7818H	μ A7818UC	LM340T-18	MC7818CP	μ A7818CKC
Three Terminal Negative Regulator (1 A)	μ PC7824H	μ A7824UC	LM340T-24	MC7824CP	μ A7824CKC
	μ PC7905H	μ A7905UC	LM320T-5	MC7905CP	μ A7905CKC
	μ PC7908H	μ A7908UC	LM320T-8	MC7908CP	μ A7908CKC
	μ PC7912H	μ A7912UC	LM320T-12	MC7912CP	μ A7912CKC
	μ PC7915H	μ A7915UC	LM320T-15	MC7915CP	μ A7915CKC
	μ PC7918H	μ A7918UC	LM320T-18	MC7918CP	μ A7918CKC
	μ PC7924H	μ A7924UC	LM320T-24	MC7924CP	μ A7924CKC