

Product Selection Guide

Part Number	Type	Package	Switch "ON" Resistance	Enable Logic	Undervoltage Lockout	Current Limit	Thermal Shutdown	Fault Flag
IMP2524-1BWM	Quad	16-pin, SO	0.14Ω	HIGH	•	•	•	•
IMP2524-2BWM	Quad	16-pin, SO	0.14Ω	LOW	•	•	•	•
IMP2524-1BN	Quad	16-pin, DIP	0.14Ω	HIGH	•	•	•	•
IMP2524-2BN	Quad	16-pin, DIP	0.14Ω	LOW	•	•	•	•
IMP2525A-1BM	Single	8-pin, SO	0.070Ω	HIGH	•	•	•	•
IMP2525A-2BM	Single	8-pin, SO	0.070Ω	LOW	•	•	•	•
IMP2525A-1BN	Single	8-pin, DIP	0.070Ω	HIGH	•	•	•	•
IMP2525A-2BN	Single	8-pin, DIP	0.070Ω	LOW	•	•	•	•
IMP2525-1BM	Single	8-pin, SO	0.14Ω	HIGH	•	•	•	•
IMP2525-2BM	Single	8-pin, SO	0.14Ω	LOW	•	•	•	•
IMP2525-1BN	Single	8-pin, DIP	0.14Ω	HIGH	•	•	•	•
IMP2525-2BN	Single	8-pin, DIP	0.14Ω	LOW	•	•	•	•
IMP2526-1BM	Dual	8-pin, SO	0.14Ω	HIGH	•	•	•	•
IMP2526-2BM	Dual	8-pin, SO	0.14Ω	LOW	•	•	•	•
IMP2526-1BN	Dual	8-pin, DIP	0.14Ω	HIGH	•	•	•	•
IMP2526-2BN	Dual	8-pin, DIP	0.14Ω	LOW	•	•	•	•
IMP2527-1BWM	Quad	16-pin, SO	0.30Ω	HIGH	•	•	•	•
IMP2527-2BWM	Quad	16-pin, SO	0.30Ω	LOW	•	•	•	•
IMP2527-1BN	Quad	16-pin, DIP	0.30Ω	HIGH	•	•	•	•
IMP2527-2BN	Quad	16-pin, DIP	0.30Ω	LOW	•	•	•	•

All devices are pin-compatible with the MIC2525/2526 devices. Compared to the Micrel MIC2525, the enhanced IMP2525A has a 50% lower "ON" resistance.

Product Cross Reference Guide

Micrel Part Number	IMP Part Number	Type	Package	Switch "ON" Resistance
MIC2524-1BWM	IMP2524-1BWM	Quad	16-pin, SO	0.14Ω
MIC2524-2BWM	IMP2524-2BWM	Quad	16-pin, SO	0.14Ω
MIC2524-1BN	IMP2524-1BN	Quad	16-pin, DIP	0.14Ω
MIC2524-2BN	IMP2524-2BN	Quad	16-pin, DIP	0.14Ω
MIC2525A-1BM	IMP2525A-1BM	Single	8-pin, SO	0.070Ω vs. 0.14Ω for Micrel 2525
MIC2525A-2BM	IMP2525A-2BM	Single	8-pin, SO	0.070Ω vs. 0.14Ω for Micrel 2525
MIC2525A-1BN	IMP2525A-1BN	Single	8-pin, DIP	0.070Ω vs. 0.14Ω for Micrel 2525
MIC2525A-2BN	IMP2525A-2BN	Single	8-pin, DIP	0.070Ω vs. 0.14Ω for Micrel 2525
MIC2525-1BM	IMP2525-1BM	Single	8-pin, SO	0.14Ω
MIC2525-2BM	IMP2525-2BM	Single	8-pin, SO	0.14Ω
MIC2525-1BN	IMP2525-1BN	Single	8-pin, DIP	0.14Ω
MIC2525-2BN	IMP2525-2BN	Single	8-pin, DIP	0.14Ω
MIC2526-1BM	IMP2526-1BM	Dual	8-pin, SO	0.14Ω
MIC2526-2BM	IMP2526-2BM	Dual	8-pin, SO	0.14Ω
MIC2526-1BN	IMP2526-1BN	Dual	8-pin, DIP	0.14Ω
MIC2526-2BN	IMP2526-2BN	Dual	8-pin, DIP	0.14Ω
MIC2527-1BWM	IMP2527-1BWM	Quad	16-pin, SO	0.30Ω
MIC2527-2BWM	IMP2527-2BWM	Quad	16-pin, SO	0.30Ω
MIC2527-1BN	IMP2527-1BN	Quad	16-pin, DIP	0.30Ω
MIC2527-2BN	IMP2527-2BN	Quad	16-pin, DIP	0.30Ω