TEMIC
Semiconductors

SO8   DIP8   DIP14   DIP16   SO16   DIP18   SO20

Battery Charge ICs

Part Number	Function	Key Features	Package	Source
U2400B U2400B–FL	Automatic recharging of NiCd and NiMH batteries with safety control by time, V, temperature	Battery refreshment by predischarge	DIP16 SO16	HN
U2402B U2402B–FL	NiCd/NiMH fast-charge / very fast-charge control with smart overcharge protection	Maximum life time and full capacity by d^2V/dt^2 gradient monitoring, for fast-charge applications	DIP18 SO20	HN
U2403B U2403B–FP	Current source and smart timer for slow charge	Cost-minimized charge concepts (Car adapter, cordless phone, low-cost charger)	DIP8 SO8	HN
U2405B U2405B–FL	Pin-compatible to U2402B, special version for drained batteries	Special slow precharge mode for preformation of drained batteries	DIP18 SO20	HN
U2407B U2407B–FP	Charge algorithm identical to U2405B, special version for SMPS and DC applications	Minimized package, extended LED display mode, programmable top-off charge	DIP16 SO16	HN

Phase Control ICs

TEA1007	Low-cost AC power control. Applications: fan, low-cost motor control	Minimal external components	DIP8	HN
UAA145	SCR phase control IC		DIP16	HN
U208B–A	As TEA1007 + retrigger. Applications: universal motor control	Automatic retriggering, voltage and current synchronization	DIP8	HN
U209B3–B U209B3–BFP	As U208B + f/V converter, reference voltage. Applications: all tacho control motors	Tacho control IC	DIP14 SO16	HN
U210B1–A	As U208B + shunt current detection, reference voltage		DIP14	HN
U211B3–B U211B3–FP	As U209B + foldback	The worldwide standard IC for tacho AC motor control	DIP18 SO16	HN
U2008B U2008B–FP	As U208B + retrigger, softstart or shunt regulation	Line-voltage compensation, minimal external components	DIP8 SO8	HN
U2010B U2010B–FP	As U2008B + softstart, shunt regulation, over-load compensation, overload indication	Line-voltage compensation, programmable load-current limitation	DIP16 SO16	HN
U490B	One–shot power control for electric staplers	Mains sync. and phase-controlled thyristor ignition	DIP8	HN

PWM Control ICs

U2350B–FP	PWM control IC on AC line for IGBT or power FET, overload indication, line-voltage compensation	100% more efficiency at the same motor size or reduced cost/ weight	SO16	HN
U2352B U2352B–FP	PWM control for portable tools: Speed control, current control	Load-current measurement without shunt	DIP8 SO8	HN