Subscriber Line Interface Circuits (SLICs)

Type	Features	Loop Current mA DC	Ringing Type	Typical Supply Voltages	Package*
HC-5502A	• Monolithic integrated device • DI high voltage process • Compatible with worldwide PBX performance requirements • Controlled supply of battery feed current for short loops (30mA) • Internal ring relay driver • Low power consumption during standby • Switch hook, ground key and ring trip detection functions • Selective denial of power to subscriber loops	30	Single-Ended Ground Reference	-48 V, +12 V	24-Pin DIP E or C 28-Pin PLCC
HC-5502B	• Same features as HC-5502A plus: • Low Voltage +5 V (VB+) Capability • Pin for Pin replacement for the HC-5502A	30	Single-Ended Ground Refernce	-48 V, +12 V or +5 V	24-Pin DIP E or C 28-Pin PLCC
HC-5504	• Monolithic integrated device • DI high voltage process • Compatible with worldwide PBX performance requirements • Controlled supply of battery feed current for short loops (40 mA) • Internal ring relay driver • Allows interfacing with negative superimposed ringing systems • Low power consumption during standby • Switchhook, ground key and ring trip detection functions • Selective denial of power to subscriber loops	40	Single-Ended Battery or Ground Reference or Balanced Ringing	-48 V, +12 V	24-Pin DIP E or C 28-PLCC
HC-5504B	• Same features as HC-5504 plus: • Added low voltage +5 V (VB+) capability • Pin for Pin replacement for the HC-5504	40	Single-Ended Battery or Ground Reference or Balanced Ringing	-48 V, +12 V or 5 V	24-Pin DIP E or C 28-PLCC
HC-5504DLC	• Same features as HC-5504B plus: • Switch hook detect threshold allows • multi-phone operation	40	Single-Ended Battery or Ground Reference or Balanced Ringing	-48 V, +12 V or +5 V	24-Pin DIP E or C 28-Pin PLCC
HC-5509B	• Monolithic integrated device • DI high voltage process • Compatible with worldwide PBX and OC performance requirements • Controlled supply of battery feed current for short loops • Internal ring relay driver and a utility relay driver • High-temperature alarm output • Programmable loop current limit • Low power consumption during standby functions • Switch hook, ground key, and ring trip detection • Selective power denial to subscriber • On-chip op amp for 2 wire impedance matching on-hook transmission	20 to 60	Single-Ended Battery or Ground Reference or Balanced Ringing	-48 V, +5 V	28-Pin DIP E or C 44-Pin PLCC

* See interpretation guide and packaging section