

3-7 ASSPs Telecom ICs

SEIKO EPSON's telecom ICs, which are implemented in low-voltage, low-power CMOS technology, range from dedicated modems to full-featured dialers.

Modems

Part number	Description	Supply voltage (V-typ.)	Supply current	Additional features	Package	
STC9430C0A	300 bps FSK single-chip modem	5	Operating 15 (mA-typ.) Standby 2 (μA-typ.)	<ul style="list-style-type: none"> • CCITT V.21 • Bell 103J • On-chip transmit and receive amplifiers • Clock output 	DIP-20pin	
STC9435C0A					DIP-24pin	
STC9435M0A					SOP1-24pin	
STC9435MAA					SOP2-24pin	
STC9492C1D	1200 bps PSK single-chip modem	5	Operating 23 (mA-typ.) Power down 1 (μA-typ.)	<ul style="list-style-type: none"> • CCITT V.22 • Bell 212 	<ul style="list-style-type: none"> • On-chip answer tone generator • Call progress tone detection • Terminal function D.L.B., B/C 	DIP-28pin
STC9492M1D					SOP2-28pin	
STC9492C1E				<ul style="list-style-type: none"> • CCITT V.21 • Bell 212 	<ul style="list-style-type: none"> • On-chip answer tone generator • Call progress tone detection • Terminal function EXT, B/C 	DIP-28pin
STC9492M1E						SOP2-28pin

Modem peripherals

Part number	Description	Supply voltage (V-typ.)	Supply current	Additional features	Package
STC9630C0A	Asynchronous-synchronous converter	5	—	<ul style="list-style-type: none"> • CCITT V.22 • Bell 212 • Full-duplex 	DIP-24pin
STC9630M0A					SOP1-24pin

Dialers

Part number	Description	Supply voltage range (V)	Supply current	Additional features	Package
STC2560C	Pulse dialer	2.0 to 3.5	Operating 0.2 (mA-max.) Standby 0.75 (μA-max.)	<ul style="list-style-type: none"> • 20-digit redial memory • Built-in RC oscillator • Difference between STC2560C and STC2560C08 is inverted polarity of IDP select 	DIP-18pin
STC2560C08					
STC2580C0c series	Repertory memory and redial pulse/tone dialer	1.5 to 6.0 (dial-pulse signaling), 2.5 to 6.0 (DTMF signaling)	1.0 (mA-max.) (dial-pulse signaling), 8.0 (mA-max.) (DTMF signaling), 800 (μA-max.) (Standby)	<ul style="list-style-type: none"> • Repertory memory holds ten, 18-digit numbers. • 24-digit redial memory 	DIP-22pin
STC2580M0c series					SOP1-24pin