

## Line Drivers and Receivers — continued

### Serial Comms Software

The Serial Debug tools are PC based aids to engineers in the development and debugging of serial communication devices and applications.

They can either act as a host application or target system enabling the developer to send and receive data to and from the serial communication device under test, displaying the transmitted data in one window and the received data in another.

The on-screen function keys enable the user to setup blocks of HEX and or ASCII data ready to send, making complex data transmissions just a single mouse click away. These settings along with the Comm port settings can also be saved in custom setup files saving time and effort.



#### Simple Serial Debug Tool V2.0

Supports Comm 1 to 8, 300, 600, 1200, 2400, 9600 baud, no, even, odd, mark, space parity, 7, 8 bits, 1, 1.5, 2 stop bits, open/close port, 8 programmable transmit function keys + send text data, scrollable receive data window (displayed in hex and ACSII).

**Note: Hardware handshaking is not supported. 16 bit version - Requires Windows 3.x or Windows 95.**

Contents - 1 x Disk

Simple Serial Debug Tool.....Order Code 315-7866

SEM811  
each

#### Professional Serial Debug Tool V2.0

Supports Comm 1 to 8, 110, 300, 600, 1200, 2400, 9600, 19200, 28800 baud, no, even, odd, mark, space parity, 4, 5, 6, 7, 8 bits, 1, 1.5, 2 stop bits, open/close port, 8 programmable transmit function keys, load/save function key data, send text data, send file, scrollable receive data window (displayed in hex and ACSII), log received data to file, save received data to file, print received data, trigger data start capture and trigger data stop capture on character or string, CTS/RTS, XON/XOFF.

**Note: Hardware handshaking is not supported. 32 bit version - Requires Windows 95/98 or Windows NT4.0.**

Contents - 2 x Disks

Professional Serial Debug Tool .....Order Code 315-7878

each

#### Professional Plus Serial Debug Tool V2.0 (includes Data Sniffer)

Works with 1 or 2 serial ports simultaneously. Each port supports Comm 1 to 16, 110, 300, 600, 1200, 2400, 9600, 19200, 28800 baud, no, even, odd, mark, space parity, 4, 5, 6, 7, 8 bits, 1, 1.5, 2 stop bits, open/close port, 8 programmable transmit function keys, load/save function key data, send text data, send file, scrollable receive data window (displayed in hex and ACSII), log received data to file, save received data to file, print received data, trigger data start capture and trigger data stop capture on character or string, CTS/RTS, XON/XOFF.

**Note: Hardware handshaking is not supported. 32 bit version - Requires Windows 95/98 or Windows NT4.0 with a display resolution of at least 800 600.**

Contents - 2 x Disks & Interface PCB

Professional Plus Serial Debug Tool .....Order Code 315-7880

each

## Motor Drive Modules and Boards

SEM122

Mfr.	Pins	Description	Dimensions (mm)			Mfrs. List No.	Order Code	Price Each				
			L	W	H			1+	10+	100+	250+	500+
200	ST	Module	2A Chopped Bipolar Stepper Motor Driver .....	85.5	67.0	21.3	GSD200	407-501.				
200	ST	Module	2.5A Chopped Bipolar Stepper Motor Driver with fully protected outputs .....	85.5	67.0	21.3	GSD200S	407-513.				
200	ST	Board	Eurocard Board with a GSC200 Controller and a GSD200 Driver.....	160.0	100.0	24.0	GSDC200	407-525.				

## Motion Control ICs

The HCTL1100 is a high performance, general purpose motion control IC which frees the host processor for other tasks by performing all the time-intensive functions of digital motion control. The programmability of all control parameters provides maximum flexibility and quick design of control systems with a minimum number of components.



The HCTL2000 quadrature decoder/counter IC family provides a one-chip, easy to implement solution to interfacing the quadrature output of an encoder or digital potentiometer to a microprocessor system.

SEM120

Pins	Description	Mfrs. List No.	Order Code	Price Each		
				1+	10+	100+
1100	40	General Purpose Motion Control IC .....	HCTL1100	407-460		
1100	44/PLCC	General Purpose Motion Control IC .....	HCTL1100PLC	SMD327-0336		
2000	16	Quadrature Decoder/Counter Interface IC. 12-bit counter.....	HCTL2000	407-471		
2016	16	Quadrature Decoder/Counter Interface IC. 16-bit counter.....	HCTL2016	206-015		
2016	20/PLCC	Quadrature Decoder/Counter Interface IC. 16-bit counter.....	HCTL2016PLC	SMD327-0348		
2020	20	Quadrature Decoder/Counter Interface IC. 16-bit counter. Quadrature decoder and cascade output signals. ....	HCTL2020	206-027		
2020	20/PLCC	Quadrature Decoder/Counter Interface IC. 16-bit counter. Quadrature decoder and cascade output signals. ....	HCTL2020PLC	SMD327-0350		

## Motor Drive and Triac Control Circuits

SEM121

Mfr.	Pins	Description	Mfrs. List No.	Order Code	Price Each				
					1+	10+	100+	250+	500+
101	BB	7/D <sup>2</sup> PAK	PWM Solenoid/Valve driver .....	DRV101F	SMD112-677				
101	BB	7/TO-220	PWM Solenoid/Valve driver .....	DRV101T	112-689				
102	BB	7/D <sup>2</sup> PAK	PWM Solenoid/Valve driver. (IND TEMP) .....	DRV102F	316-1638				
102	BB	7/TO-220	PWM Solenoid/Valve driver. (IND TEMP) .....	DRV102T	316-1626				
211	TEM	18	Motor Speed Phase Controller – supply current 3mA, output pulse current 155mA .....	U211B2B	638-584				
217	TEM	8	Zero Voltage Switch for Triac Control in power switching applications. ....	U217BB	638-572				
292	ST	15/SIL	2A, 36V Switched Mode Driver for DC Motors .....	L292	407-550				
293	ST	16	Push-Pull Four Channel Driver With Diodes. 36V, 600mA. TTL Input ..	L293D	323-6079				
293	UNI	16	Push-Pull Four Channel Driver including output clamping diodes .....	L293DN	699-809				
293	UNI	16	Push-Pull Four Channel Driver – 2A output, 36V supply .....	L293N	699-780				

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