

Complete, Single Powered, Isolated, Dual RS-232 Driver/Receiver Module

<p>Features</p> <ul style="list-style-type: none"> ◆ Isolated RS232 Data Interface ◆ No External Components ◆ Single 5V Supply ◆ 2 x Tx and 2 x Rx Channels ◆ 38.4kbps and 1000V Isolation ◆ RoHs compliant 													
<p>Ordering Information</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PART</th> <th style="text-align: left;">TEMP. RANGE</th> <th style="text-align: left;">DATA RATE</th> <th style="text-align: left;">ISOLATION</th> </tr> </thead> <tbody> <tr> <td>SEC252AD-24</td> <td>0°C to +70°C</td> <td>38.4kbps</td> <td>1000V</td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PACKAGE</th> <th style="text-align: left;">DIL 24 Module</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	PART	TEMP. RANGE	DATA RATE	ISOLATION	SEC252AD-24	0°C to +70°C	38.4kbps	1000V	PACKAGE	DIL 24 Module			
PART	TEMP. RANGE	DATA RATE	ISOLATION										
SEC252AD-24	0°C to +70°C	38.4kbps	1000V										
PACKAGE	DIL 24 Module												

Absolute Maximum Ratings	
Voltages with respect to GND	Voltage with respect to ISO GND
Supply Voltage, VCC	-0.3V to +6V
Input Voltage, Logic	-0.3V to (VCC +0.3V)
Storage Temperature Range	Operating Temperature Ranges
RS232 Input Voltage	-25V to +25V
RS232 Output Voltage	-15V to +15V
	0°C to +70°C

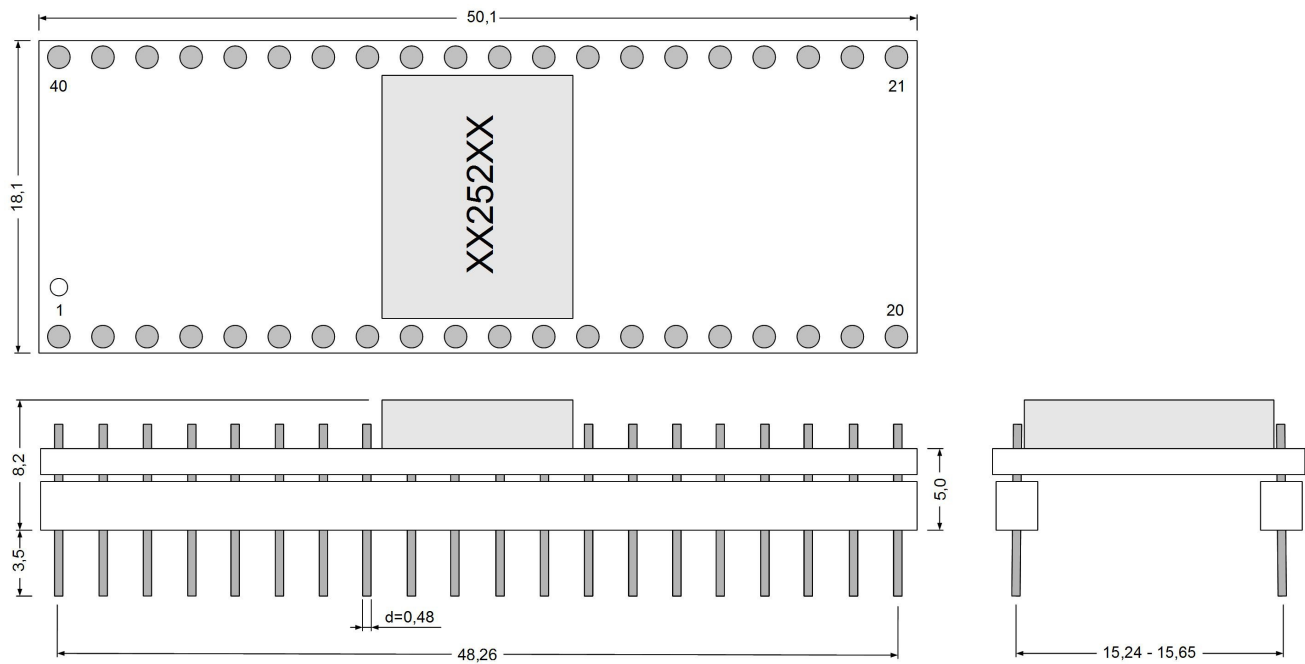
Electrical Characteristics						
Parameter	Symbol	Conditions	Min	Typ	Max	Units
Supply Input Range	VCC		4.5	5.0	5.5	V
Supply Input Current	ICC	No Load		16	22	mA
RS232						
Driver Output Voltage Swing	VDO	RL = 3k	+5	+5.8		V
Receiver Input Threshold Low	VRIL		0.8	1.3		V
Receiver Input Threshold High	VRIH			1.7	2.5	V
Logic						
Logic Input Threshold Low	VLIL		1.0	1.35		V
Logic Input Threshold High	VLIH			1.75	2.2	V
Logic Output Threshold Low	VLOL				0.4	V

Logic Output Threshold High	VLOH		VCC-0.4			V
ESD RS232 Driver and Receiver Protection			+ -10			kV

Electrical Characteristics (continued)						
Parameter	Symbol	Conditions	Min	Typ	Max	Units
Transmission						
Maximum Data Rate SEC252AD		RL = 3k, CL = 2.50nF	38.4			kbps
Isolation						
Rated Isolation Voltage SEC252AD	VISO	1 minute, derived from 1 sec. test	1000			VRMS
Rated Isolation Voltage SEC252AD	VISO	1 second	+ -1500			VRMS
Isolation Voltage SEC252AD	VPEAK	Continuous	200			VPEAK

Information in this document is believed to be accurate and reliable. No responsibility is assumed for its use. Schmitt Electronics reserves the right to change the module and the specifications without notice any time.

Modul Dimensions



All dimensions are in mm ± 0.2
Pins on a 2,54 mm pitch

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