



**TLB-30-BB**  
**RFID OEM Reader Board**  
**Multifrequency**  
**125 kHz 134 kHz**  
**FDX-B HDX**  
**ISO/IEC 11784/785**  
**ISO/IEC 18000-2**

<b>Description:</b>	Industrial LF Mid Range Reader to be used with external antenna	
<b>Transponder Types:</b>	134 kHz FDX-B and HDX according to ISO/IEC 11784/785 125 kHz 64 bits Read Only Unique EM4102, EM4100, OTP Read Write TAGs operating in Unique Mode Manchester encoded	
<b>Read Range:</b>	Up to xxx mm with HDX and up to xxx mm with TECTUS FDX-B DISC TAGANY Ø 24 mm transponder TCV-37-AA (see page 2)	(At room temperature 20° C)
<b>Dimensions:</b>	95 mm x 70 mm x 12 mm	115 x 70 x 12 mm
<b>User selectable Interfaces:</b>	RS232, TTL or RS485	
<b>Power Supply:</b>	10...15 VDC	(Best reading result by using a high quality linear power supply)
<b>Operating Frequency:</b>	134 kHz and 125 kHz (Software switchable)	(At room temperature 20° C)
<b>Operating Temperature:</b>	-20°C ... +60°C	
<b>Input / Output:</b>	2 x Input (Opto), 2 x Output (Opto)	2 x LED Output
<b>Technical Certificates:</b>	CE	
<b>Other:</b>	Electronics production 	
<b>Features:</b>	<ul style="list-style-type: none"> <li>- TECTUS TLM-30 Reader Module Core</li> <li>- Frequency switchable by software commands</li> <li>- Antenna tuning by DIP switch</li> <li>- Wide temperature range</li> </ul>	
<b>Applications:</b>	- Animal identification, Industrial waste management (BDE), Mid Range applications	
<b>Part number:</b>	TLB- 30-BB	

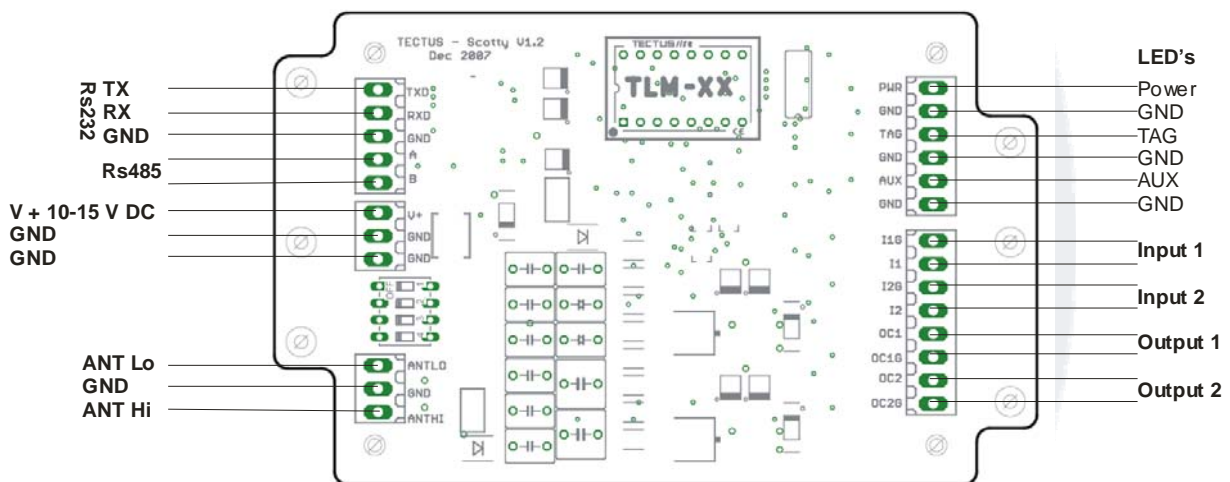
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**Reading Test\* Results TLB-30-BB OEM Reader Board**

Software Version	1.11	1.11	1.11
Antenna dimension (mm)	75 x 22	round Ø 90	200 x 200
	Reading	Distance	(mm)
HDX GLASS TAG 34 mm	110	180	250
HDX 25 mm DISC TAG	145	200	280
DISC TAGANY 24 mm FDX-B	110	190	230
SPACE TAG Unique 50 mm	150	320	400
SPACE TAG Unique 30 mm	120	240	290

\* = at room temperature in free air

**Connection Chart**



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