

# ESD PROTECTION



more details online

General		CAN		100 Base T; USB 2.0 Double	USB 3.0
<b>823 570 505 60</b>	<b>823 560 501 01</b>	<b>823 572 400 30</b>	<b>823 562 400 30</b>	<b>824 001</b>	<b>824 016 46</b>
V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 24 V	V <sub>CH</sub> : 24 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V
C <sub>CH</sub> : 56 pF	C <sub>CH</sub> : 100 pF	C <sub>CH</sub> : 3 pF	C <sub>CH</sub> : 3 pF	C <sub>CH</sub> : 1 pF	C <sub>CH</sub> : 0.2 pF
SIZE: 0402	SIZE: 0603	SIZE: 0402	SIZE: 0603	SIZE: SOT23-6L	SIZE: MSOP-8L
General		3.3 V		HDMI; USB 2.0	
<b>823 560 502 20</b>	<b>823 501 201 01</b>	<b>824 013 6</b>	<b>824 015 043</b>	<b>823 070 500 29</b>	<b>823 811 200 29</b>
V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 12 V	V <sub>CH</sub> : 3.3 V	V <sub>CH</sub> : 3.3 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 12 V
C <sub>CH</sub> : 22 pF	C <sub>CH</sub> : 100 pF	C <sub>CH</sub> : 3 pF	C <sub>CH</sub> : 2 pF	C <sub>CH</sub> : 0.2 pF	C <sub>CH</sub> : 0.2 pF
SIZE: 0603	SIZE: 0805	SIZE: SOT143-4L	SIZE: SOT23-6L	SIZE: 0402	SIZE: 1206
General		USB 1.1; RS 422		HDMI; USB 2.0	
<b>823 501 205 60</b>	<b>824 021</b>	<b>823 560 500 50</b>	<b>823 561 201 00</b>	<b>823 060 500 29</b>	<b>823 061 200 29</b>
V <sub>CH</sub> : 12 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 12 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 12 V
C <sub>CH</sub> : 56 pF	C <sub>CH</sub> : 55 pF	C <sub>CH</sub> : 5 pF	C <sub>CH</sub> : 10 pF	C <sub>CH</sub> : 0.2 pF	C <sub>CH</sub> : 0.2 pF
SIZE: 0805	SIZE: SOT23-3L	SIZE: 0603	SIZE: 0603	SIZE: 0603	SIZE: 0603
General		USB 2.0		HDMI; 1000 Base T	
<b>824 022</b>	<b>824 023 04</b>	<b>824 011</b>	<b>824 011 6</b>	<b>824 014</b>	<b>824 014 44</b>
V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V
C <sub>CH</sub> : 12 pF	C <sub>CH</sub> : 13 pF	C <sub>CH</sub> : 2 pF	C <sub>CH</sub> : 2 pF	C <sub>CH</sub> : 0.55 pF	C <sub>CH</sub> : 0.55 pF
SIZE: SOT23-3L	SIZE: SOT23-6L	SIZE: SOT23-5L	SIZE: SOT143-4L	SIZE: SOT23-6L	SIZE: MSOP-10L
General		USB 2.0 Flow Thru		USB 3.1	
<b>824 023 05</b>	<b>824 023 74</b>	<b>824 001 02</b>	<b>824 001 52</b>	<b>824 012 823</b>	<b>824 014 883</b>
V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 3.3 V	V <sub>CH</sub> : 3.3 V
C <sub>CH</sub> : 13 pF	C <sub>CH</sub> : 13 pF	C <sub>CH</sub> : 2 pF	C <sub>CH</sub> : 2 pF	C <sub>CH</sub> : 0.18 pF	C <sub>CH</sub> : 0.5 pF
SIZE: SOT23-6L	SIZE: SC70-5L	SIZE: SOT23-6L	SIZE: SOT563	SIZE: DFN1210-6L	SIZE: DFN3810-9L
General		CAN		100 Base T; USB 2.0 Double	
<b>823 170 6A</b>	<b>824 094 024</b>	<b>824 002 74</b>	<b>824 015</b>	<b>824 045 817</b>	<b>824 045 810</b>
V <sub>CH</sub> : 6 V	V <sub>CH</sub> : 24 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 5 V	V <sub>CH</sub> : 7 V	V <sub>CH</sub> : 20 V
C <sub>CH</sub> : 0.05 pF	C <sub>CH</sub> : 38 pF	C <sub>CH</sub> : 1.2 pF	C <sub>CH</sub> : 1 pF	C <sub>CH</sub> : 830 pF	C <sub>CH</sub> : 240 pF
SIZE: 0402	SIZE: SOT23-3L	SIZE: SC70-6L	SIZE: SOT23-6L	SIZE: DFN1610-2L	SIZE: DFN1610-2L

- Ceramic
- Polymer
- Silicon

**Important information:** Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. ExChange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components.

Therefore, please request new samples prior to releases for series production and product release.

Please Check datasheets on [www.we-online.com](http://www.we-online.com) for specifications.

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