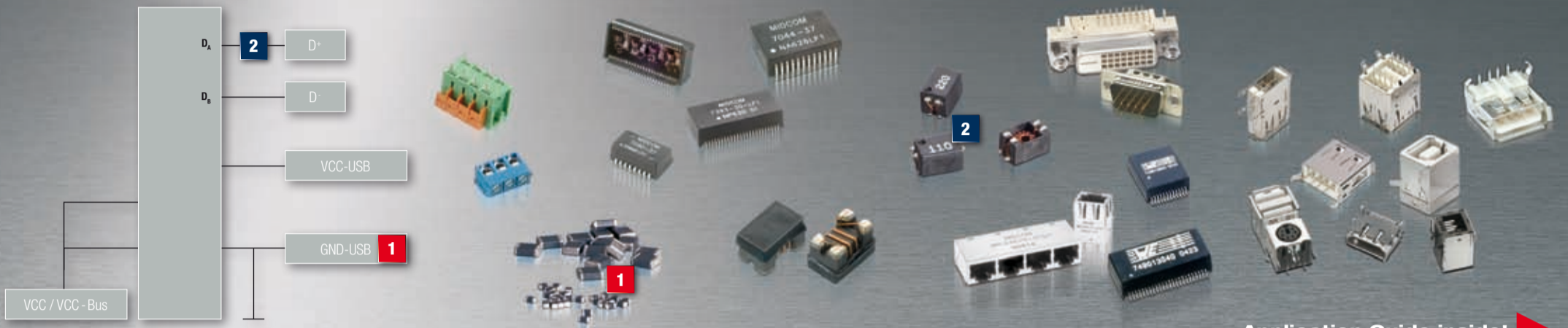


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Application Guide inside!

## Interface Design Kit for USB, CAN, Ethernet, VGA, DVI, RS232, RS485

Order Code 744 999  
Version 1.0

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# Interface Design Kit for USB, CAN, Ethernet, VGA, DVI, RS232, RS485



<b>ESD Suppressor WE-VE</b> <b>823 56 120 100</b> $V_{DC}$ : 12 V C: 10 pF (1MHz) $V_C$ : 60 V (1 A, 8/20 $\mu$ s) $I_{L,max}$ : 1 $\mu$ A ( $V_{DC}$ ) Size 0603	<b>SMD Common Mode Choke WE-CNSW</b> <b>744 232 222</b> $Z @ 100 \text{ MHz}$ : 2200 $\Omega$ DCR: 1.2 $\Omega$ Rated current: 200 mA Size 1206	<b>Chip Bead Ferrite WE-CBF</b> <b>742 792 040</b> $Z @ 100 \text{ MHz}$ : 600 $\Omega$ DCR: 0.15 $\Omega$ Rated current: 200 mA $Z \text{ max}$ : 700 $\Omega @ 150 \text{ MHz}$ Size 0805	<b>USB Type A Connector WE-COM</b> <b>614 004 160 21</b> No. of Pins: 4 Rated current: 1 A Operating voltage: 30 V THT	<b>USB Type B Connector WE-COM</b> <b>614 004 161 21</b> No. of Pins: 4 Rated current: 1 A Operating voltage: 30 V THT	<b>ESD Suppressor WE-VE</b> <b>823 56 050 050</b> $V_{DC}$ : 5 V C: 5 pF (1MHz) $V_C$ : 34 V (1 A, 8/20 $\mu$ s) $I_{L,max}$ : 1 $\mu$ A ( $V_{DC}$ ) Size 0603	<b>SMD Common Mode Choke WE-CNSW</b> <b>744 231 371</b> $Z @ 100 \text{ MHz}$ : 370 $\Omega$ DCR: 0.45 $\Omega$ Current: 280 mA Size 0805
<b>ESD Suppressor WE-VE</b> <b>823 56 050 220</b> $V_{DC}$ : 5 V C: 22 pF (1MHz) $V_C$ : 34 V (1 A, 8/20 $\mu$ s) $I_{L,max}$ : 1 $\mu$ A ( $V_{DC}$ ) Size 0603	<b>SMD Common Mode Choke WE-SLM</b> <b>744 242 510</b> $Z \text{ max}$ : 800 $\Omega$ L: 2x51 $\mu$ H DCR: 0.32 $\Omega$ Rated current: 300 mA	<b>SMD Filter Inductor WE-GF</b> <b>744 764 004</b> L: 0.47 $\mu$ H DCR: 0.50 $\Omega$ Rated current: 450 mA SRF: 220 MHz Size 1210	<b>Terminal Block WR-TBL</b> <b>691 401 710 004</b> No. of Pins: 4 AWG: 14-24 Pitch: 5 mm Rated current: 10 A Operating voltage: 300 VAC	<b>Terminal Block WR-TBL</b> <b>691 412 120 004</b> No. of Pins: 4 AWG: 16-20 Pitch: 3.5 mm Rated current: 6 A Operating voltage: 300 VAC	<b>ESD Suppressor WE-VE ULC</b> <b>823 07 050 029</b> $V_{DC}$ : 5 V C: 0.2 pF (1MHz) $V_C$ : 17 V (30ns, contact) $I_{L,max}$ : 0.1 $\mu$ A ( $V_{DC}$ ) Size 0402	<b>SMD Common Mode Choke WE-CNSW</b> <b>744 232 090</b> $Z @ 100 \text{ MHz}$ : 90 $\Omega$ DCR: 0.30 $\Omega$ Rated current: 370 mA Size 1206
<b>ESD Suppressor WE-VE</b> <b>823 56 240 030</b> $V_{DC}$ : 24 V C: 3 pF (1MHz) $V_C$ : 200 V (1 A, 8/20 $\mu$ s) $I_{L,max}$ : 1 $\mu$ A ( $V_{DC}$ ) Size 0603	<b>LAN Transformer 10/100 BaseT WE-LAN</b> <b>749 010 012</b> Size 12.10 x 5.20 x 9.53 IL: 1-100 MHz / -1.1dB max RL: 1-80 MHz / -16 dB to -10 dB DCMRR: 30-100 MHz / -38 dB to -30 dB	<b>LAN Transformer Gigabit WE-LAN</b> <b>749 020 010</b> Size 17.30 x 6.50 x 16.00 IL: 1-100 MHz / -1.0 dB max RL: 1-100 MHz / -1 dB to -10 dB DCMRR: 30-100 MHz / -43 dB to -33 dB	<b>RJ45 Modular Jack WR-COM</b> <b>615 008 142 21</b> No. of Pins: 8 Rated current: 1.5 A Operating voltage: 120 VAC Shielded, Receptable THT	<b>LAN RJ45 100 Base-T Transformer</b> <b>749 921 1123</b> 100 Base-T Tab down LED yellow - green Integrated magnetics	<b>DVI Connector WR-COM</b> <b>675 024 321 221</b> No. of Pins: 24 + 1 Rated current: 3 A Operating voltage: 40 V Shielded, Receptable, THT Digital	<b>ESD Suppressor WE-VE femtoF</b> <b>823 16 14</b> $V_{DC}$ : 14 V C: 0.05 pF (1 MHz) $V_C$ : 50 V (30ns, contact) $I_{L,max}$ : 0.001 $\mu$ A Size 0603
<b>ESD Suppressor WE-VE ULC</b> <b>823 06 120 029</b> $V_{DC}$ : 12 V C: 0.2 pF (1MHz) $V_C$ : 30 V (30ns, contact) $I_{L,max}$ : 0.1 $\mu$ A Size 0603	<b>Chip Bead Ferrite WE-CBF</b> <b>742 792 041</b> $Z @ 100 \text{ MHz}$ : 600 $\Omega$ DCR: 0.40 $\Omega$ Rated current: 500 mA $Z \text{ max}$ : 700 $\Omega @ 1600 \text{ MHz}$ Size 0805	<b>Chip Bead Ferrite WE-CBF</b> <b>742 792 60</b> $Z @ 100 \text{ MHz}$ : 40 $\Omega$ DCR: 0.15 $\Omega$ Rated current: 400 mA $Z \text{ max}$ : 60 $\Omega @ 1000 \text{ MHz}$ Size 0603	<b>MiniDIN Connector WR-COM</b> <b>631 004 112 021</b> No. of Pins: 4 Rated current: 1 A Operating voltage: 12 V Shielded, Receptable, THT	<b>D-SUB Socket WR-DSUB</b> <b>618 015 325 223</b> No. of Pins: 15 Rated current: 3 A Operating voltage: 125 VAC High Density Female	<b>DVI Connector WR-COM</b> <b>675 024 321 321</b> 24 + 5 Rated current: 3 A Operating voltage: 40 V Shielded, Receptable, THT Analog & Digital	<b>Evaluation Board for Chip Bead Ferrits and Common Mode Chokes</b> EP-CBF-0805 EP-CBF-1206 EP-Stroko
<b>ESD Suppressor WE-VE</b> <b>823 56 120 100</b> $V_{DC}$ : 5 V C: 100 pF (1MHz) $V_C$ : 30 V (1 A, 8/20 $\mu$ s) $I_{L,max}$ : 1 $\mu$ A ( $V_{DC}$ ) Size 0603	<b>Chip Bead Ferrite WE-CBF</b> <b>742 792 094</b> $Z @ 100 \text{ MHz}$ : 2200 $\Omega$ DCR: 0.60 $\Omega$ Rated current: 200 mA $Z \text{ max}$ : 3000 $\Omega @ 80 \text{ MHz}$ Size 0805	<b>D-SUB Connector</b> <b>618 009 248 23</b> No. of Pins: 9 Rated current: 3 A Operating voltage: 250 VAC Male	<b>D-SUB Socket WR-DSUB</b> <b>618 009 211 821</b> No. of Pins: 9 Rated current: 3 A Operating voltage: 250 VAC Female	<b>Terminal Block WR-TBL</b> <b>691 102 710 003</b> No. of Pins: 3 AWG: 14-22 Pitch: 5 mm Rated current: 15 A Operating voltage: 300 VAC	<b>Terminal Block WR-TBL</b> <b>691 212 710 002</b> No. of Pins: 2 AWG: 12-22 Pitch: 5 mm Rated current: 10 A Operating voltage: 300 VAC	<b>Ethernet Evaluation Board</b> <b>Evaluation Board for Ethernet</b> (RJ45 / integrated connector) performance testing

Applications

- USB 1.0
- USB 1.1
- USB 2.0
- CAN
- Ethernet
- VGA
- RS232
- RS485
- DVI

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# Interface Design Kit for USB, CAN, Ethernet, VGA, DVI, RS232, RS485



<b>ESD Suppressor WE-VE</b> <b>823 56 120 100</b> $V_{DC}$ : 12 V C: 10 pF (1MHz) $V_C$ : 60 V (1 A, 8/20 $\mu$ s) $I_{L,max}$ : 1 $\mu$ A ( $V_{DC}$ ) Size 0603	<b>SMD Common Mode Choke WE-CNSW</b> <b>744 232 222</b> $Z @ 100 \text{ MHz}$ : 2200 $\Omega$ DCR: 1.2 $\Omega$ Rated current: 200 mA Size 1206	<b>Chip Bead Ferrite WE-CBF</b> <b>742 792 040</b> $Z @ 100 \text{ MHz}$ : 600 $\Omega$ DCR: 0.15 $\Omega$ Rated current: 200 mA $Z \text{ max}$ : 700 $\Omega @ 150 \text{ MHz}$ Size 0805	<b>USB Type A Connector WE-COM</b> <b>614 004 160 21</b> No. of Pins: 4 Rated current: 1 A Operating voltage: 30 V THT	<b>USB Type B Connector WE-COM</b> <b>614 004 161 21</b> No. of Pins: 4 Rated current: 1 A Operating voltage: 30 V THT	<b>ESD Suppressor WE-VE</b> <b>823 56 050 050</b> $V_{DC}$ : 5 V C: 5 pF (1MHz) $V_C$ : 34 V (1 A, 8/20 $\mu$ s) $I_{L,max}$ : 1 $\mu$ A ( $V_{DC}$ ) Size 0603	<b>SMD Common Mode Choke WE-CNSW</b> <b>744 231 371</b> $Z @ 100 \text{ MHz}$ : 370 $\Omega$ DCR: 0.45 $\Omega$ Current: 280 mA Size 0805
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