

**Cornell Aluminum Electrolytics RoHS Compliance Worksheet**

| Series or Type   | Description or Photo                            | RoHS Compliance Identification on | Termination Finish | PB Free   | RoHS Compliant | Compliant Part Number | Package Marking                                       | Date Compliant | Moisture Sensitivity Level (IPC/JEDEC J-STD-020C) | Soldering Conditions (Temp/Time) |
|------------------|---|-----------------------------------|--------------------|-----------|----------------|-----------------------|---|----------------|---|----------------------------------|
| <b>DCMC/DCMX</b> | SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS | N                                 | N/A                | <1000 PPM | Y              | No Change             | RoHs Compliance Marking on Unit Container (box label) | 4/1/2005       | N/A   | N/A                              |
| <b>500C/500X</b> | SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS | N                                 | N/A                | <1000 PPM | Y              | No Change             | RoHs Compliance Marking on Unit Container (box label) | 4/1/2005       | N/A   | N/A                              |
| <b>520C</b>      | SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS | N                                 | N/A                | <1000 PPM | Y              | No Change             | Compliance Marking on Unit Container (box label)      | 4/1/2005       | N/A   | N/A                              |
| <b>550C</b>      | SCREW TERMINAL ALUMINUM ELECTROLYTIC CAPACITORS | N                                 | N/A                | <1000 PPM | Y              | No Change             | Compliance Marking on Unit Container (box label)      | 4/1/2005       | N/A   | N/A                              |

|  |   |   |                  |           |   |              |  |          |     |          |
|--|---|---|------------------|-----------|---|--------------|--|----------|-----|----------|
| <b>101C</b>                                    | SCREW<br>TERMINAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | N/A              | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container (box | 4/1/2005 | N/A | N/A      |
| <b>139R</b>                                    | SCREW<br>TERMINAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | N/A              | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container (box | 4/1/2005 | N/A | N/A      |
| <b>125</b>                                     | SCREW<br>TERMINAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | N/A              | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container (box | 4/1/2005 | N/A | N/A      |
| <b>3186/3188/3110/3120/3191/3192/3199/3198</b> | SCREW<br>TERMINAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | N/A              | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container (box | 4/1/2005 | N/A | N/A      |
| <b>380LQ/381LQ/381LR</b>                       | Snap-in<br>Electrolytic<br>capacitors                       | N | Tin/Copper/Steel | <1000 PPM | Y | No<br>Change | Marking<br>on Unit<br>Container (box<br>label)     | 1/1/2005 | N/A | 260C/10s |
| <b>380LX/381LX</b>                             | Snap-in<br>Electrolytic<br>capacitors (2-pin)               | N | Tin/Copper/Steel | <1000 PPM | Y | No<br>Change | Marking<br>on Unit<br>Container (box<br>label)     | 9/1/2005 | N/A | 260C/10s |
| <b>382LX/383LX</b>                             | Snap-in<br>Electrolytic<br>capacitors (more<br>than 2 pins) | N | Tin/Copper/Steel | <1000 PPM | Y | No<br>Change | Marking<br>on Unit<br>Container (box<br>label)     | 1/1/2006 | N/A | 260C/10s |

|  |   |   |                               |           |   |              |   |          |     |              |
|--|---|---|-------------------------------|-----------|---|--------------|---|----------|-----|--------------|
| <b>300/301/301A/<br/>361R/331/325/<br/>326/350/351<br/>( 0.750" DIA.<br/>AND LARGER)</b> | Radials   | N | Copper/tin<br>solder          | <1000 PPM | Y | No<br>Change | Marking<br>on Unit<br>Contain<br>er (box<br>label)                          | 4/1/2006 | N/A | 260C/1<br>0s |
| <b>361R<br/>( 18MM DIA.<br/>AND</b>  | Radials   | N | Copper/tin<br>solder          | N         | N | No<br>Change | No<br>change  | N/A      | N/A | 260C/1<br>0s |
| <b>MLP/MLS</b>   | Flatpacks   | N | Copper/tin-<br>lead<br>solder | N         | N | N/A          | No<br>change  | All      | N/A | 260C/1<br>0s |
| <b>420C, 450C,<br/>4CMX, 400X,<br/>450</b>   | PC Mount  | N | Tinned<br>copper<br>clad      | <1000 PPM | Y | No<br>Change | No<br>change  | 1/1/2006 | N/A | 260C/1<br>0s |
| <b>380/381,<br/>380X/381X</b>  | Snap-in<br>Electrolytic<br>capacitors (2-pin)                 | N | Copper/tin<br>solder          | <1000 PPM | Y | No<br>Change | Marking<br>on Unit<br>Contain<br>er (box<br>label)                          | 4/1/2006 | N/A | 260C/1<br>0s |
| <b>7P, ST</b>  | Photoflash and<br>Strobe Snap-in (2-<br>pin)                  | N | Tin/Coppe<br>r/Brass          | <1000 PPM | Y | No<br>Change | Marking<br>on Unit<br>Contain<br>er (box<br>label)                          | 9/1/2005 | N/A | 260C/1<br>0s |
| <b>PF</b>  | SCREW<br>TERMINAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS   | N | N/A                           | <1000 PPM | Y | No<br>Change | Marking<br>on Unit<br>Contain<br>er (box<br>label)                          | 4/1/2005 | N/A | N/A          |
| <b>SK</b>  | MINIATURE<br>RADIAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | Tinned<br>copper<br>clad      | <1000 PPM | Y | No<br>Change | Complian<br>ce<br>Marking<br>on Unit<br>Contain<br>er (carton,<br>reel,bag) | 1/1/2000 | N/A | 260'C/5<br>s |

|            |   |   |                          |           |   |              |  |          |     |              |
|------------|---|---|--------------------------|-----------|---|--------------|--|----------|-----|--------------|
| <b>SEK</b> | MINIATURE<br>RADIAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | Tinned<br>copper<br>clad | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container<br>(carton,<br>reel,bag) | 1/1/2000 | N/A | 260'C/5<br>s |
| <b>SN</b>  | MINIATURE<br>RADIAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | Tinned<br>copper<br>clad | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container<br>(carton,<br>reel,bag) | 1/1/2000 | N/A | 260'C/5<br>s |
| <b>SS</b>  | MINIATURE<br>RADIAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | Tinned<br>copper<br>clad | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container<br>(carton,<br>reel,bag) | 1/1/2000 | N/A | 260'C/5<br>s |
| <b>SXR</b> | MINIATURE<br>RADIAL<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | Tinned<br>copper<br>clad | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container<br>(carton,<br>reel,bag) | 1/1/2000 | N/A | 260'C/5<br>s |
| <b>LP</b>  | SNAP IN<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS             | N | Tinned<br>copper<br>clad | <1000 PPM | Y | No<br>Change | Compliance<br>Marking<br>on Unit<br>Container<br>(carton,<br>reel,bag) | 1/1/2000 | N/A | 260'C/5<br>s |

|             |  |   |                    |           |   |           |  |  |     |          |
|-------------|--|---|--------------------|-----------|---|-----------|--|--|-----|----------|
| <b>LPX</b>  | SNAP IN ALUMINUM ELECTROLYTIC CAPACITORS | N | Tinned copper clad | <1000 PPM | Y | No Change | RoHS Compliance Marking on Unit Container (carton, reel,bag) | 1/1/2000   | N/A | 260'C/5s |
| <b>SLP</b>  | SNAP IN ALUMINUM ELECTROLYTIC CAPACITORS | N | Tinned copper clad | <1000 PPM | Y | No Change | RoHS Compliance Marking on Unit Container (carton, reel,bag) | 1/1/2008   | N/A | 260'C/5s |
| <b>SLPX</b> | SNAP IN ALUMINUM ELECTROLYTIC CAPACITORS | N | Tinned copper clad | <1000 PPM | Y | No Change | RoHS Compliance Marking on Unit Container (carton, reel,bag) | 1/1/2008   | N/A | 260'C/5s |
| <b>CGH</b>  | SCREW TOP TERMINAL                       | N | N/A                | <1000 PPM | Y | No Change | JESD97   | Current production on or after April 1, 2005, date code 0514 | N/A | N/A      |
| <b>CGO</b>  | SCREW TOP TERMINAL                       | N | N/A                | <1000 PPM | Y | No Change | JESD97   | Current production on or after April 1, 2005, date code 0514 | N/A | N/A      |
| <b>CGI</b>  | SCREW TOP TERMINAL                       | N | N/A                | <1000 PPM | Y | No Change | JESD97   | Current production on or after April 1, 2005, date code 0514 | N/A | N/A      |

|                       |   |   |           |           |   |           |  |  |     |           |
|-----------------------|---|---|-----------|-----------|---|-----------|--|--|-----|-----------|
| <b>CGR</b>            | SCREW TOP TERMINAL                          | N | N/A       | <1000 PPM | Y | No Change | JESD97   | Current production on or after April 1, 2005, date code 0514 | N/A | N/A       |
| <b>CGS</b>            | SCREW TOP TERMINAL                          | N | N/A       | <1000 PPM | Y | No Change | JESD97   | Current production on or after April 1, 2005, date code 0514 | N/A | N/A       |
| <b>HES</b>            | SCREW TOP TERMINAL                          | N | N/A       | <1000 PPM | Y | No Change | JESD97   | Current production on or after April 1, 2005, date code 0514 | N/A | N/A       |
| <b>VPR ≥.875" DIA</b> | RADIAL LEADED MOLDED HEADER                 | N | Matte Tin | <1000 PPM | Y | No Change |  | 4/1/2006   | N/A | 260'C/10s |
| <b>VPR =.512" DIA</b> | RADIAL LEADED MOLDED HEADER                 | N |           |           | Y | No Change |  | May, 2004  | N/A | 260'C/5s  |
| <b>AXLH</b>           | AXIAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS | N | Sn        | <1000 PPM | Y | No Change | Compliance Marking on Unit Container (carton, reel, bag) | 2/1/2017   | N/A | 260'C/5s  |
| <b>NLW</b>            | AXIAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS | N | Sn        | N         | Y | No Change | JESD97   | N  | N/A | 260'C/10s |

|                                    |  |   |     |           |   |              |        |           |     |               |
|------------------------------------|--|---|-----|-----------|---|--------------|--------|-----------|-----|---------------|
| <b>WBR</b>                         | AXIAL TYPE<br>ALUMINUM<br>ELECTROLYTIC<br>CAPACITORS | N | Sn  | N         | Y | No<br>Change | JESD97 | N         | N/A | 260'C/1<br>0s |
| <b>Hardware</b>                    |  |   |     |           |   |              |        |           |     |               |
| <b>VR</b>                          | Capacitor<br>Brackets                                | N | N/A | <1000 PPM | Y | No<br>Change | N/A    | 11/5/2004 | N/A | N/A           |
| <b>OB</b>                          | Capacitor<br>Brackets                                | N | N/A | <1000 PPM | Y | No<br>Change | N/A    | 11/5/2004 | N/A | N/A           |
| <b>RB</b>                          | Capacitor<br>Brackets                                | N | N/A | <1000 PPM | Y | No<br>Change | N/A    | 11/5/2004 | N/A | N/A           |
| <b>125562;<br/>125565</b>          | Capacitor<br>Brackets                                | N | N/A | <1000 PPM | Y | New          | N/A    | 6/1/2007  | N/A | N/A           |
| <b>Revision<br/>Date: 03-13-17</b> |  |   |     |           |   |              |        |           |     |               |

*To the best of our knowledge, the information provided on the enclosed is correct as of the date indicated on the document. Since some of the information is provided by the acceptance of data from sources outside of Cornell Dubilier Electronics, we can not guarantee that all is complete and accurate.*