

|                |  |                 |                 |
|----------------|--|-----------------|-----------------|
| Originator:    | Mit Patel  | Date:           | Document Number |
| Phone No.      | 416-754-3322   | April 29,2024   | 20240429-00     |
| Email Address: | <a href="mailto:mpatel@edac.net">mpatel@edac.net</a> |                 |                 |
| Department     | Quality  | Revision Number | SHEET           |
| CHANGE TYPE:   |  | 1               | 1 of 2          |

**CHANGE TYPE:**

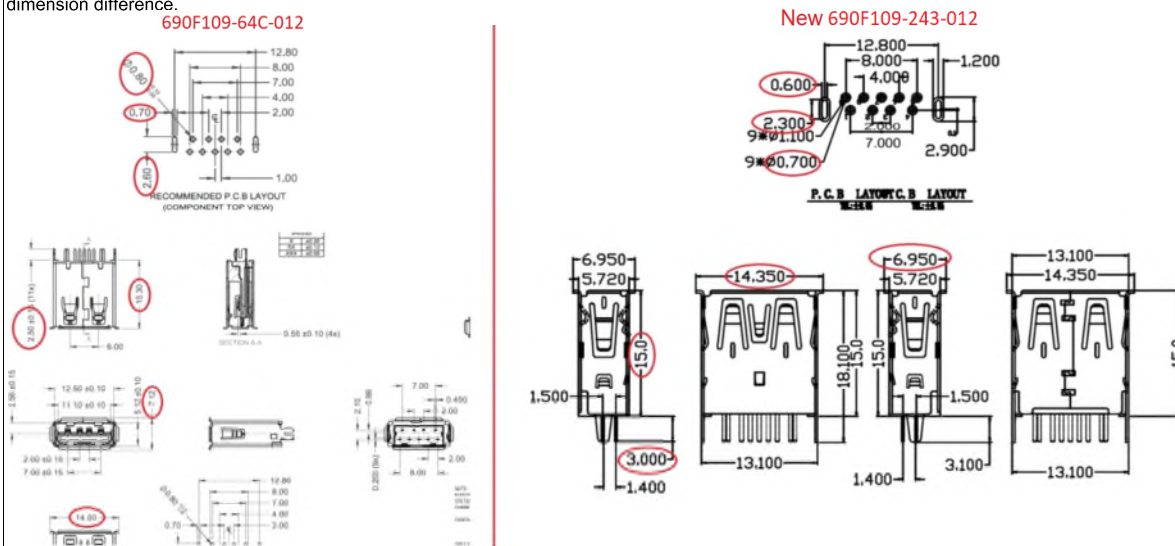
|                                     |                  |   |
|-------------------------------------|------------------|---|
| <input type="checkbox"/>            | <b>CLASS I</b>   | Customer notification and approval required prior to implementation |
| <input checked="" type="checkbox"/> | <b>CLASS II</b>  | Customer notification only, no approval required                    |
| <input type="checkbox"/>            | <b>CLASS III</b> | No customer notification required                                   |

## REASON OF CHANGE

End of life Part No. 690F109-64C-012 replaced with application equivalent Part No. 690F109-243-012.

**DESCRIPTION OF CHANGE:**

Part No.: 690F109-64C-012 is end of life from April 29th, 2024 and replaced with closest alternative Part 690F109-243-012. Please see page 2 for new drawing. New Part 690F109-243-012 can fit into the existing PCB design of 690F109-64C-012 with larger play in the holes. There will be no form, fit, function affect for PCB layout. However, for shell it is a application equivalent considering the dimension difference.



**PARTIES AFFECTED**

|                                     |              |                                     |         |                                     |         |
|-------------------------------------|--------------|-------------------------------------|---------|-------------------------------------|---------|
| <input checked="" type="checkbox"/> | Customer     | <input type="checkbox"/>            | NORCOMP | <input checked="" type="checkbox"/> | ECA     |
| <input checked="" type="checkbox"/> | Distributors | <input type="checkbox"/>            | MH      | <input checked="" type="checkbox"/> | EDG     |
| <input type="checkbox"/>            | Suppliers    | <input checked="" type="checkbox"/> | ETW     | <input checked="" type="checkbox"/> | EDAC UK |






**KEY TARGET DUE DATES IF CHANGE IS APPROVED TO PROCEED** (check if applicable and show target dates as known)

|                          |                 |       |                          |                         |       |
|--------------------------|-----------------|-------|--------------------------|-------------------------|-------|
| <input type="checkbox"/> | Submit Quote    | _____ | <input type="checkbox"/> | PPAP from Supplier      | _____ |
| <input type="checkbox"/> | Prod. Trial Run | _____ | <input type="checkbox"/> | MRD of Production Parts | _____ |
| <input type="checkbox"/> | Run at Rate     | _____ | <input type="checkbox"/> | UL / CSA / RoHS / REACH | _____ |

**ACKNOWLEDGEMENT FOR ECN INITIATION: (OPTIONALS)**

|                                     |                  |                          |                   |                       |
|-------------------------------------|------------------|--------------------------|-------------------|-----------------------|
| <input type="checkbox"/>            | Tooling Rep      | <input type="checkbox"/> | Marketing Rep     | <b>Marco Lamanna</b>  |
| <input type="checkbox"/>            | Mfg Eng Rep      | <input type="checkbox"/> | Facilities Rep    |                       |
| <input checked="" type="checkbox"/> | Production Rep   | <input type="checkbox"/> | Sales Rep.        | <b>Esther Marothy</b> |
| <input type="checkbox"/>            | Materials Rep    | <input type="checkbox"/> | Product Eng. Rep. |                       |
| <input type="checkbox"/>            | Quality Rep      | <input type="checkbox"/> | Purchasing Rep    |                       |
|                                     | <b>Mit Patel</b> |                          |                   |                       |

## APPROVALS FOR ECN INITIATION (REQUIRED)

|   |   |                        |                        |   |   |                         |                  |   |  |
|---|---|------------------------|------------------------|---|---|-------------------------|------------------|---|--|
|  |  | <b>General Manager</b> | <b>Bob Sakitkovski</b> |  |  | <b>Quality Engineer</b> | <b>Mit Patel</b> |  | <b>Mit Patel</b><br><small>2008-10-01 to 2009-03-31<br/>         2009-04-01 to 2010-03-31<br/>         2010-04-01 to 2011-03-31<br/>         2011-04-01 to 2012-03-31<br/>         2012-04-01 to 2013-03-31<br/>         2013-04-01 to 2014-03-31<br/>         2014-04-01 to 2015-03-31<br/>         2015-04-01 to 2016-03-31<br/>         2016-04-01 to 2017-03-31<br/>         2017-04-01 to 2018-03-31<br/>         2018-04-01 to 2019-03-31<br/>         2019-04-01 to 2020-03-31<br/>         2020-04-01 to 2021-03-31<br/>         2021-04-01 to 2022-03-31<br/>         2022-04-01 to 2023-03-31<br/>         2023-04-01 to 2024-03-31<br/>         2024-04-01 to 2025-03-31<br/>         2025-04-01 to 2026-03-31<br/>         2026-04-01 to 2027-03-31<br/>         2027-04-01 to 2028-03-31<br/>         2028-04-01 to 2029-03-31<br/>         2029-04-01 to 2030-03-31<br/>         2030-04-01 to 2031-03-31<br/>         2031-04-01 to 2032-03-31<br/>         2032-04-01 to 2033-03-31<br/>         2033-04-01 to 2034-03-31<br/>         2034-04-01 to 2035-03-31<br/>         2035-04-01 to 2036-03-31<br/>         2036-04-01 to 2037-03-31<br/>         2037-04-01 to 2038-03-31<br/>         2038-04-01 to 2039-03-31<br/>         2039-04-01 to 2040-03-31<br/>         2040-04-01 to 2041-03-31<br/>         2041-04-01 to 2042-03-31<br/>         2042-04-01 to 2043-03-31<br/>         2043-04-01 to 2044-03-31<br/>         2044-04-01 to 2045-03-31<br/>         2045-04-01 to 2046-03-31<br/>         2046-04-01 to 2047-03-31<br/>         2047-04-01 to 2048-03-31<br/>         2048-04-01 to 2049-03-31<br/>         2049-04-01 to 2050-03-31<br/>         2050-04-01 to 2051-03-31<br/>         2051-04-01 to 2052-03-31<br/>         2052-04-01 to 2053-03-31<br/>         2053-04-01 to 2054-03-31<br/>         2054-04-01 to 2055-03-31<br/>         2055-04-01 to 2056-03-31<br/>         2056-04-01 to 2057-03-31<br/>         2057-04-01 to 2058-03-31<br/>         2058-04-01 to 2059-03-31<br/>         2059-04-01 to 2060-03-31<br/>         2060-04-01 to 2061-03-31<br/>         2061-04-01 to 2062-03-31<br/>         2062-04-01 to 2063-03-31<br/>         2063-04-01 to 2064-03-31<br/>         2064-04-01 to 2065-03-31<br/>         2065-04-01 to 2066-03-31<br/>         2066-04-01 to 2067-03-31<br/>         2067-04-01 to 2068-03-31<br/>         2068-04-01 to 2069-03-31<br/>         2069-04-01 to 2070-03-31<br/>         2070-04-01 to 2071-03-31<br/>         2071-04-01 to 2072-03-31<br/>         2072-04-01 to 2073-03-31<br/>         2073-04-01 to 2074-03-31<br/>         2074-04-01 to 2075-03-31<br/>         2075-04-01 to 2076-03-31<br/>         2076-04-01 to 2077-03-31<br/>         2077-04-01 to 2078-03-31<br/>         2078-04-01 to 2079-03-31<br/>         2079-04-01 to 2080-03-31<br/>         2080-04-01 to 2081-03-31<br/>         2081-04-01 to 2082-03-31<br/>         2082-04-01 to 2083-03-31<br/>         2083-04-01 to 2084-03-31<br/>         2084-04-01 to 2085-03-31<br/>         2085-04-01 to 2086-03-31<br/>         2086-04-01 to 2087-03-31<br/>         2087-04-01 to 2088-03-31<br/>         2088-04-01 to 2089-03-31<br/>         2089-04-01 to 2090-03-31<br/>         2090-04-01 to 2091-03-31<br/>         2091-04-01 to 2092-03-31<br/>         2092-04-01 to 2093-03-31<br/>         2093-04-01 to 2094-03-31<br/>         2094-04-01 to 2095-03-31<br/>         2095-04-01 to 2096-03-31<br/>         2096-04-01 to 2097-03-31<br/>         2097-04-01 to 2098-03-31<br/>         2098-04-01 to 2099-03-31<br/>         2099-04-01 to 2100-03-31<br/>         2100-04-01 to 2101-03-31<br/>         2101-04-01 to 2102-03-31<br/>         2102-04-01 to 2103-03-31<br/>         2103-04-01 to 2104-03-31<br/>         2104-04-01 to 2105-03-31<br/>         2105-04-01 to 2106-03-31<br/>         2106-04-01 to 2107-03-31<br/>         2107-04-01 to 2108-03-31<br/>         2108-04-01 to 2109-03-31<br/>         2109-04-01 to 2110-03-31<br/>         2110-04-01 to 2111-03-31<br/>         2111-04-01 to 2112-03-31<br/>         2112-04-01 to 2113-03-31<br/>         2113-04-01 to 2114-03-31<br/>         2114-04-01 to 2115-03-31<br/>         2115-04-01 to 2116-03-31<br/>         2116-04-01 to 2117-03-31<br/>         2117-04-01 to 2118-03-31<br/>         2118-04-01 to 2119-03-31<br/>         2119-04-01 to 2120-03-31<br/>         2120-04-01 to 2121-03-31<br/>         2121-04-01 to 2122-03-31<br/>         2122-04-01 to 2123-03-31<br/>         2123-04-01 to 2124-03-31<br/>         2124-04-01 to 2125-03-31<br/>         2125-04-01 to 2126-03-31<br/>         2126-04-01 to 2127-03-31<br/>         2127-04-01 to 2128-03-31<br/>         2128-04-01 to 2129-03-31<br/>         2129-04-01 to 2130-03-31<br/>         2130-04-01 to 2131-03-31<br/>         2131-04-01 to 2132-03-31<br/>         2132-04-01 to 2133-03-31<br/>         2133-04-01 to 2134-03-31<br/>         2134-04-01 to 2135-03-31<br/>         2135-04-01 to 2136-03-31<br/>         2136-04-01 to 2137-03-31<br/>         2137-04-01 to 2138-03-31<br/>         2138-04-01 to 2139-03-31<br/>         2139-04-01 to 2140-03-31<br/>         2140-04-01 to 2141-03-31<br/>         2141-04-01 to 2142-03-31<br/>         2142-04-01 to 2143-03-31<br/>         2143-04-01 to 2144-03-31<br/>         2144-04-01 to 2145-03-31<br/>         2145-04-01 to 2146-03-31<br/>         2146-04-01 to 2147-03-31<br/>         2147-04-01 to 2148-03-31<br/>         2148-04-01 to 2149-03-31<br/>         2149-04-01 to 2150-03-31<br/>         2150-04-01 to 2151-03-31<br/>         2151-04-01 to 215</small> |
|---|---|------------------------|------------------------|---|---|-------------------------|------------------|---|--|

## STATUS

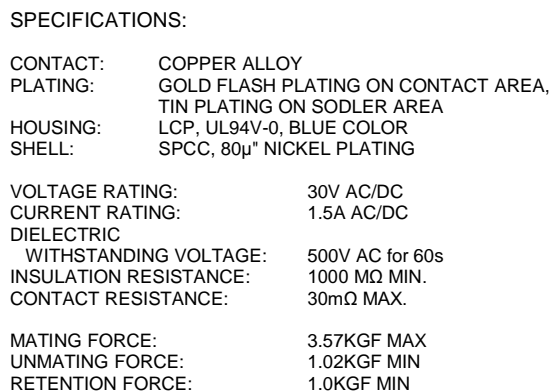
APPROVED

CCS CHANGE REQUEST #

REJECTED

**Change REJECTED by:**

Rejected Date:



| PIN NUMBER | SIGNAL NAME |
|------------|-------------|
| 1          | VBUS        |
| 2          | D-          |
| 3          | D+          |
| 4          | GND         |
| 5          | StdA_SSRX-  |
| 6          | StdA_SSRX+  |
| 7          | GND_DRAIN   |
| 8          | StdA_SSTX-  |
| 9          | StdA_SSTX+  |
| Shield     | Shield      |

DRAWING

## 690 SERIES USB 3.0 TYPE A, DIP



THIS SERIES FULLY CONFORMS TO  
THE EUROPEAN UNION DIRECTIVES  
2011/65/EU FOR RoHS COMPLIANCY.



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**TORONTO, ONTARIO**  
**CANADA**  
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**SCALE: NOT TO SCALE**

**SHEET 1 OF 1**

|                        |                        |
|------------------------|------------------------|
| <b>DRAWING NUMBER:</b> | <b>690F109-243-012</b> |
|------------------------|------------------------|

|                     |                        |
|---------------------|------------------------|
| <b>PART NUMBER:</b> | <b>690F109-243-012</b> |
|---------------------|------------------------|