



## Molex Mini50 Updated design for USCAR Customer Notification

October 31, 2012

Dear Molex Customer,

The purpose of this letter is to inform you that Molex will be updating the design of our Mini50 4, 8, and 12-way headers and receptacle connectors. Molex was chosen as the USCAR interface for 0.5mm connection systems, with some design improvements from our current model to improve the anti-scooping features. These changes will improve performance of the connection system.

The attached presentation shows all changes to each circuit size. The changes will specifically affect the interface of the 8-way and 12-way connectors. The older versions will be obsolete and will not be able to be used with the UPDATED versions.

We are in process of updating the tooling and kicking off new tools that will adapt these changes. All new updated and new tooling will be produced and shipped from our plant in Chengdu, China.

We are keeping the same part numbers for 4 and 8way headers and connectors. For the 12-way we have pulled new part numbers and will OBSOLETE the old part numbers, per below.

The changes will follow the basic below timeline –

First Off Tool – 3/15/13

PV testing complete – 7/15/13

PPAP – 7/31/13

Below part numbers adapt the new changes.

4-way - Receptacles 34791-0040, 0041, 0042, 0043, 0140, 0141, 0142, 0143  
Headers 34792-0040, 0041, 0042, 0043  
34793-0040, 0041, 0042, 0043

8-way - Receptacles 34791-0080, 0081, 0082, 0180, 0181, 0182  
Headers 34792-0080, 0081, 0082  
34793-0080, 0081, 0082  
34912-8080, 8081, 8082, 9080, 9081, 9082

**NEW PART #** 12-way - Receptacles 34824-0124, 0125, 0126, 1124, 1125, 1126  
Headers 34825-0124, 0125, 0126  
34826-0124, 0125, 0126  
34897-8120, 8121, 8122, 9120, 9121, 9122

**OBSOLETE** 12-way - Receptacles 34824-0120, 0121, 0122, 1120, 1121, 1122  
Headers 34825-0120, 0121, 0122  
34826-0120, 0121, 0122

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