

Title of Change:	Change of connector on the ArrayJ-60035-4P-PCB
Proposed First Ship date:	31 Jul 2022 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Deborah.Herbert@onsemi.com
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.
Additional Reliability Data:	Contact your local onsemi Sales Office or Ricky.Garcia@onsemi.com
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com
Marking of Parts/ Traceability of Change:	Shipment date code
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:

onsemi Sites

None

External Foundry/Subcon Sites

Realtime, Ireland

Description and Purpose:

This document describes the change of connector that has been implemented to improve the robustness and reliability of the product. Both the old and new connectors are an 8-pin DIP header with 0.3" width, and the same socket can be used for both. Pin assignment remains the same.

Note also that no changes have been made to the sensors, sensor layout, performance, or footprint of the PCB. The diagrams below show the old connector (Figure 1 and Table 1) and the new connector (Figure 2).

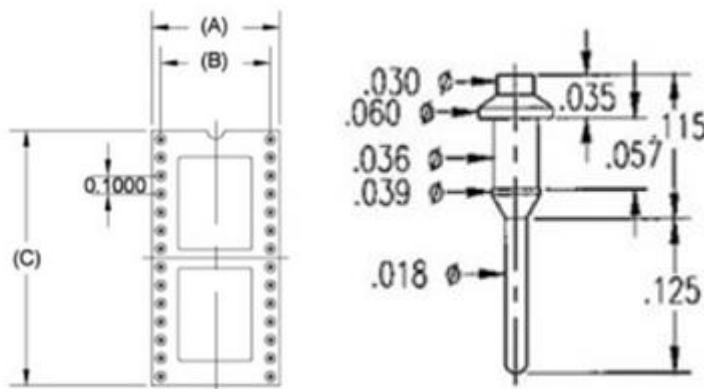


Figure 1 – Old 8-pin DIP connector

Adapter Name	Dim A	Dim B	DIM C	Type	Description
DH06-3-4149-F	.4"	.3"	.3"	thru-hole	6 Pin DIP Header, .3" Wide, Thru-Hole
DH06-3-4180-F	.4"	.3"	.3"	smt	6 Pin DIP Header, .3" Wide, SMT
DH08-3-4149-F	.4"	.3"	.4"	thru-hole	8 Pin DIP Header, .3" Wide, Thru-Hole
DH08-3-4180-F	.4"	.3"	.4"	smt	8 Pin DIP Header, .3" Wide, SMT

Table 1 – details and dimensions of the old 8-pin DIP connector

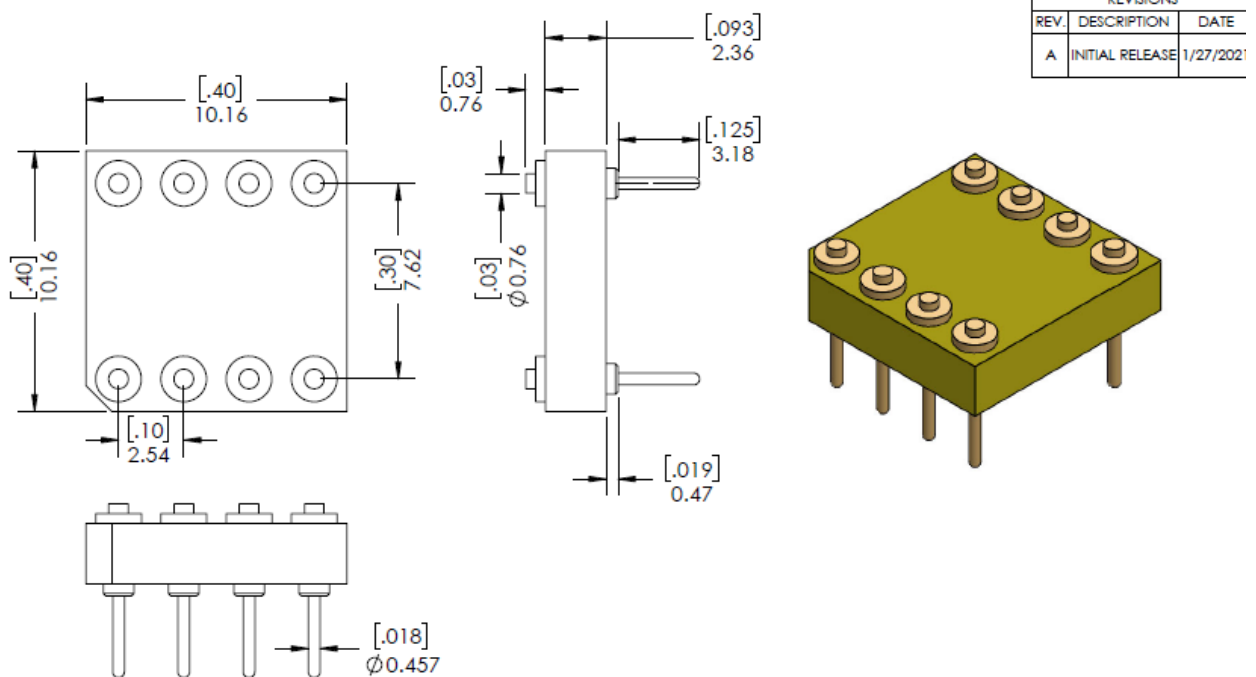


Figure 2 – New 8-pin DIP connector

There is no product marking change as a result of this change, and the change can be monitored by the shipment date code. Dates before the first customer ship date will be the old product, and dates after will be the new product.

Reliability Data Summary:

Parts underwent solder reflow process with the new connector and were then visually inspected. All parts passed. The soldering connections were verified using a manual pin test and all passed. Parts underwent dark test and all passed. Sample size was 20 pieces.

Electrical Characteristics Summary:

Electrical characteristics are not impacted.



Final Product/Process Change Notification

Document #:FPCN24558X

Issue Date:25 Apr 2022

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Part Number	Qualification Vehicle
ARRAYJ-60035-4P-PCB	NA