



<b>Title of Change:</b>	<b>Update of PD20725:</b> Discontinuance of all 5.5 micron Interline devices having Gen1 CFA materials (Being replaced by new products having Gen2 CFA materials)
<b>Proposed first ship date:</b>	23 June 2015
<b>Contact information:</b>	Contact your local ON Semiconductor Sales Office
<b>Samples:</b>	Contact your local ON Semiconductor Sales Office
<b>Additional Reliability Data:</b>	Contact your local ON Semiconductor Sales Office
<b>Type of notification:</b>	ON Semiconductor 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>.
<b>Change category:</b>	<input type="checkbox"/> Wafer Fab Change <input type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input checked="" type="checkbox"/> Other
<b>Change Sub-Category(s):</b>	<input type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Material Change <input checked="" type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____
<b>Sites Affected:</b>	<input type="checkbox"/> All site(s) <input type="checkbox"/> not applicable <input checked="" type="checkbox"/> ON Semiconductor site(s) : <input type="checkbox"/> External Foundry/Subcon site(s)
<b><u>SUMMARY OF CHANGES:</u></b>	
<ol style="list-style-type: none"> <li>1) TITLE modified to highlight <i>updating</i> of PD20725</li> <li>2) LAST BUY DATE changed from 14-Jul-15 to 14-Jan-16</li> <li>3) LAST SHIP DATE changed from 14-Jan-16 to 14-Jul-16</li> <li>4) It is noted that our supplier of Gen1 CFA materials has announced discontinuance, i.e., an end date for manufacture. (At the time PD20725 was issued, vendor had announced cessation of support for these key components.)</li> <li>5) Table 1 has been updated significantly                         <ol style="list-style-type: none"> <li>a. A number of products previously listed in Phase C will not be converted to Gen2. 4 of 5 products in this situation—KAI-2001, KAI-2093, KAI-4011, and 4021--have been tagged NOT RECOMMENDED FOR NEW DESIGNS for quite some time. The fifth, KLI-2104, is in the process of being similarly tagged.  In all instances, were demand to ramp up to a level where conversion makes sense, classifications could be revisited.</li> <li>b. Target date for availability of samples for first product in Phase C has shifted from Q1 '15 to August, 2015.                                 <ol style="list-style-type: none"> <li>i. First Phase C product to sample will be KAI-04022.</li> </ol> </li> <li>c. Target date for availability of samples for last product in Phase C has shifted from 1H '16 to December, 2015.</li> </ol> </li> <li>6) KAI-04050 parts having Gen1 CFA are now included in the <b>List of affected General Parts</b>.</li> </ol>	
<b><u>LAST BUY DATE:</u></b> 14-Jan-2016	
<b><u>LAST SHIP DATE:</u></b> 14-Jul-2016	
Availability of these products is limited, and fulfillment of LTB orders is subject to availability.	
<b><u>DESCRIPTION AND PURPOSE:</u></b>	
Consistent with JEDEC Standard No. 48-C, this letter serves as notification that ON Semiconductor is discontinuing a series of color Interline Transfer CCD Image Sensors which use Gen1 Color Filter Array (CFA) materials. New CFA materials have been adopted for these devices, based on notification by our supplier that the materials currently used in these products are being discontinued. Transitioning to the new CFA materials will help ensure continued CCD image sensor availability from ON Semiconductor. Refer to our notification dated July 30, 2014 for additional background on this topic.	
Discontinued Orderable Part Numbers (OPNs) are shown in a list on a later page of this document, as are recommended replacement OPNs.	



**UPDATED TIME LINE FOR CONVERSION OF OTHER COLOR IMAGE SENSORS:**

It is anticipated that Phase C products will be converted from Gen1 to Gen2 CFA materials per the schedule presented in Table 1. Dates are approximate, and subject to change.

As described in the SUMMARY OF CHANGES section on the first page of this notification, table entries have been updated since PD20725. Color variants of image sensors previously tagged as NOT RECOMMENDED FOR NEW DESIGNS at ON’s website will, due to very low demand by an extremely limited number of customers, not be converted to Gen2 CFA materials. Devices in this category include:

- KAI-2001
- KAI-2093
- KAI-4011
- KAI-4021

A product warranting similar treatment is KLI-2104. In all instances, were demand to ramp up to a level where conversion makes sense, classifications could be revisited.

Phase	Product(s) in Phase	Target date for availability of samples for first product in Phase	Target date for availability of samples for last product in Phase
A	KAI-01150 KAI-01050 KAI-02050 KAI-02150	KAI-04050 KAI-16050 KAI-29050	Available
B	KAI-02170 KAI-04070	KAI-16070	Available
C	KAI-0340 KAI-04022 KAI-1020 KAI-2020 KAF-40000	KAI-11002 KAI-16000 KLI-2113 KLI-4104 KLI-8023	August 2015

**Table 1: CFA conversion rollout and timeline**

Gen2 OPNs for KAI-04022 are expected to be sampling by August, 2015. These, therefore, will be the first Phase C products available to customers.

In an attempt to minimize the number and frequency of product discontinuance notices to its customers, ON Semiconductor is publishing this quarterly product discontinuance notification.

Some of the devices contained in this notice may be part of a product portfolio renewal process or a manufacturing facility closure. ON Semiconductor continually monitors worldwide sales and billings activities on all the products offered to its customers.

PLEASE NOTE: ON Semiconductor may implement minimum order quantities or dollar amounts based on inventories available. Also, Devices on this Product Discontinuance become NCNR (Non-Cancelable, Non-Returnable).

NOTE: UPON PUBLICATION OF THIS DISCONTINUANCE NOTICE, ON SEMICONDUCTOR ALLOWS SIX (6) MONTHS FROM THE NOTICE DATE TO PLACE FINAL LIFETIME PURCHASE ORDERS. ACCEPTANCE IS SUBJECT TO REASONABLE ORDER QUANTITIES, PRODUCT AVAILABILITY AND ALL OTHER APPLICABLE TERMS AND CONDITIONS

NOTE: TO ALLOW AN ORDERLY EXIT FROM THE MARKET, PRODUCT SHALL NOT BE DELIVERED AFTER TWELVE (12) MONTHS BEYOND THE ANNOUNCEMENT DATE.

End of life buy orders must be placed before 14-Jan-2016  
 End of life buy orders must be shipped before 14-Jul-2016



## List of affected Standard Parts:

Discontinued Orderable Part Number	Truesense Catalog Number (Legacy)	Replacement Orderable Part Number	Truesense Catalog Number (Legacy)
KAI-01150-CBA-FD-BA	4H2134	KAI-01150-FBA-FD-BA	4H2365
KAI-01150-CBA-JB-B2	4H2246	KAI-01150-FBA-JB-B2	4H2371
KAI-01150-CBA-JD-BA	4H2132	KAI-01150-FBA-JD-BA	4H2363
KAI-01150-PBA-FD-BA	4H2139	KAI-01150-QBA-FD-BA	4H2369
KAI-01150-PBA-JD-BA	4H2136	KAI-01150-QBA-JD-BA	4H2367
KAI-01050-CBA-FD-BA	4H2148	KAI-01050-FBA-FD-BA	4H2354
KAI-01050-CBA-JD-BA	4H0915	KAI-01050-FBA-JD-BA	4H2352
KAI-02050-CBA-FD-BA	4H2152	KAI-02050-FBA-FD-BA	4H2360
KAI-02050-CBA-JB-B2	4H2218	KAI-02050-FBA-JB-B2	4H2358
KAI-02050-CBA-JB-B2-T	4H2308	KAI-02050-FBA-JB-B2-T	4H2362
KAI-02050-CBA-JD-BA	4H2037	KAI-02050-FBA-JD-BA	4H2356
KAI-02150-CBA-FD-BA	4H2119	KAI-02150-FBA-FD-BA	4H2322
KAI-02150-CBA-JB-B2	4H2141	KAI-02150-FBA-JB-B2	4H2326
KAI-02150-CBA-JB-B2-T	4H2292	KAI-02150-FBA-JB-B2-T	4H2332
KAI-02150-CBA-JD-BA	4H2045	KAI-02150-FBA-JD-BA	4H2320
KAI-02150-PBA-FD-BA	4H2205	KAI-02150-QBA-FD-BA	4H2328
KAI-02150-PBA-JD-BA	4H2125	KAI-02150-QBA-JD-BA	4H2324
KAI-08050-CBA-JB-B2	4H2257	KAI-08051-FBA-JB-B2	4H2343
KAI-08050-CBA-JD-BA	4H2079	KAI-08051-FBA-JD-BA	4H2341
KAI-08050-PBA-JD-BA	4H2180	KAI-08051-QBA-JD-BA	4H2330
KAI-16050-CXA-JD-B1	4H2194	KAI-16050-FXA-JD-B1	4H2373
KAI-16050-CXA-JD-B2	4H2195	KAI-16050-FXA-JD-B2	4H2374
KAI-16050-PXA-JD-B1	4H2198	KAI-16050-QXA-JD-B1	4H2376
KAI-16050-PXA-JD-B2	4H2199	KAI-16050-QXA-JD-B2	4H2377
KAI-29050-CXA-JD-B1	4H2172	KAI-29050-FXA-JD-B1	4H2333
KAI-29050-CXA-JD-B2	4H2173	KAI-29050-FXA-JD-B2	4H2334
KAI-29050-PXA-JD-B1	4H2175	KAI-29050-QXA-JD-B1	4H2336
KAI-29050-PXA-JD-B2	4H2176	KAI-29050-QXA-JD-B2	4H2337
KAI-04050-CBA-JD-BA	4H2091	KAI-04050-FBA-JD-BA	4H2345
KAI-04050-PBA-JD-BA	4H2182	KAI-04050-QBA-JD-BA	4H2347
KAI-04050-CBA-JB-B2	4H2244	KAI-04050-FBA-JB-B2	4H2349
KAI-04050-CBA-JB-B2-T	4H2293	KAI-04050-FBA-JB-B2-T	4H2351

Note: Associated Engineering Grade (EG) parts will be discontinued concurrently.