

# Product Change Notification

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**PCN Number: GC191456**

Printed form FC32S00970 / Rev L  
**Date 04 April 2019**

**Title:** Ink to Laser Mark Conversion on products with Gold finish lid

**Product Identification:**

Here are the product families impacted by this change:

EV(X)10AS180, EV(X)10DS130, EV(X)12DS130 data converters and TS68020, TS68040, TS68C000, TS68332, TS68882, TS68C429, TS68302 microprocessors.

→ See full list of impacted part numbers on page 2 & 3

**Reason for Change:**

- |   |   |  |                                    |
|---|---|--|------------------------------------|
| <input checked="" type="checkbox"/> Other | <input type="checkbox"/> Design                 | <input type="checkbox"/> Processing          | <input type="checkbox"/> Logistics |
|   | <input type="checkbox"/> Manufacturing Location | <input type="checkbox"/> Quality/Reliability | <input type="checkbox"/> Material  |

**Change Description:**

Teledyne e2v will be converting the package marking from ink to a laser marking. The industry trend is to eliminate ink markings in favor of laser markings. This aligns with the supplier direction and industry environmental initiatives. It will also further improve the marking permanency.

The marking's characters of the component, the content of information and its layout will remain unchanged.

See examples between *previous ink* (left)

and *new laser marking* (right)



**Anticipated Impact of Product Change (Form, Fit, and Function):**

Except the marking nature itself, no others changes will be brought in form, fit, or function.

**Identification Method to Distinguish Change:**

See above Change description section.

- |                            |   |  |  |
|----------------------------|---|--|--|
| <b>Qualification Data:</b> | <input checked="" type="checkbox"/> available | <input type="checkbox"/> will be available | <input type="checkbox"/> not applicable            |
| <b>Samples:</b>            | <input type="checkbox"/> prototypes available | <input type="checkbox"/> will be available | <input checked="" type="checkbox"/> not applicable |

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**Quantifiable Impact on Quality & Reliability:** No impact on reliability is expected.

**Implementation Date\*:** *Immediately.*

*\*The Estimated Implementation Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, e2v semiconductors will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.*

## Teledyne e2v Semiconductors contacts:

	<b>Quality</b>	<b>Marketing</b>
<b>NAME:</b>	<b>JP. TOURNIER</b>	<b>L. GIRY</b>
<b>EMAIL:</b>	<i>HOTLINE-STD@teledyne-e2v.com</i>	<i>semiconductors.MKT@teledyne-e2v.com</i>

## APPROVAL by TRB

Teledyne e2v semiconductors will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the contact e-mail addresses indicated above.

Teledyne e2v Semiconductors assumes no responsibility for any errors that may appear in this document.

The supply of products will be subject to Teledyne e2v general terms and conditions of sale or any specific contractual terms agreed between the parties.

If you would like to see already available announcements or receive customer notifications by email, please subscribe to our customer notification mailing list via: <https://www.teledyne-e2v.com/products/semiconductors/obsolescence-planning-slim/>

### A. List of P/N for EV(X)10AS180& 130, EV10DS130, EV(X)12DS130 data converter

EV10AS180ACGS	EV10DS130AGS-EB	EV12DS130AMGAD/T
EV10AS180AGC-EB	EV10DS130AMGC9NB1	EV12DS130AMGC
EV10AS180AGS-EB	EV10DS130AMGCD/T	EV12DS130AMGC9NB1
EV10AS180AMGC	EV10DS130AMGC-V	EV12DS130AMGCD/T
EV10AS180AMGC9NB1	EV10DS130AMGS9NB1	EV12DS130AMGCNNDTU8
EV10AS180AMGCD/T	EV10DS130AMGSD/T	EV12DS130AMGCNFMU8
EV10AS180AMGCNNDTU7	EV10DS130AMGS-V	EV12DS130AMGC-V
EV10AS180AMGCNFMU7	EV10DS130AMLG9NB1	EV12DS130AMGC-VZV2
EV10AS180AMGC-V	EV10DS130AMLG/T	EV12DS130AMGS
EV10AS180AMGS9NB1	EV10DS130AMLG-V	EV12DS130AMGS9NB1
EV10AS180AMGSD/T	EV10DS130BMGS	EV12DS130AMGSD/T
EV10AS180AMGSD/TU1	EV10DS130BMGS9NB1	EV12DS130AMGSD/TU2
EV10AS180AMGSD/TU3	EV10DS130BMGSD/T	EV12DS130AMGSDTZU2
EV10AS180AMGSDTZU1		EV12DS130AMGSFMZU2
EV10AS180AMGSFMZU1	EVX10DS130AGC	EV12DS130AMGS-V
EV10AS180AMGSFMZU3	EVX10DS130AGS	EV12DS130AMLG9NB1
EV10AS180AMGS-V		EV12DS130AMLG/T
EV10AS180AMLG9NB1	EVX10AS180AGC	EV12DS130AMLG-V
EV10AS180AMLG/T	EVX10AS180AGCNZU7	EV12DS130BGC-EB
EV10AS180AMLG/T	EVX10AS180AGS	EV12DS130BGS-EB
EV10AS180AMLG-V	EVX10AS180ALG	EV12DS130BMGC
EV10AS180AVGS	EVX10AS180ALGNZU7	EV12DS130BMGC9NB1
EV10AS180GLZQ	EVX10AS180GS	EV12DS130BMGCD/T
EV10AS180GS-EB	EVX10AS180GS-ZT4	EV12DS130BMGC-V
EV10AS180GS-EB-ZT4	EVX10AS180GS-ZT7	EV12DS130BMGS9NB1
EV10AS180GS-S-EB		EV12DS130BMGSD/T
	EVX12DS130AGC	EV12DS130BMGS-V
	EVX12DS130AGCNZU8	EV12DS130BMLG
	EVX12DS130AGS	EV12DS130BMLG9NB1
	EVX12DS130ALG	EV12DS130BMLG/T
	EVX12DS130ALGNZU8	EV12DS130BMLG-V
	EVX12DS130BGC	EV12DS130GS-EB
	EVX12DS130BGS	EV12DS130GS-S-EB
	EVX12DS130BLG	EV12DS130MG
	EVX12DS130GS	

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## B. List of P/N for TS68040, TS68C000, TS68332, TS68882, TS68C429, TS68302, EF4442 microprocessors

TS68020MF1-16	TS68020VF1-20BEPE6	TS68C000MR10ABEPH1	TS68882MFB/C25ZQ
TS68020MF16	TS68020VF20	TS68C000MR1-12A	TS68882MR1-20
TS68020MF1B/C16	TS68020VF25	TS68C000MR12A	TS68882MR16
TS68020MF1B/C16ZA0	TS68020VF25BEPE8	TS68C000MR1B/C10A	TS68882MR1B/C16
TS68020MF1B/C20	TS68020VF25BEPE9	TS68C000MR1B/C12A	TS68882MR1B/C16ZA0
TS68020MF1B/C20ZA0	TS68020VR1-20	TS68C000MR1B/C8A	TS68882MR1B/C16ZQ
TS68020MF1B/C20ZQ	TS68020VR1-25	TS68C000MR1BC12AZQ	TS68882MR1B/C20
TS68020MF1B/C25	TS68020VR16	TS68C000MR1BC12PE1	TS68882MR1B/C25
TS68020MF1B/C25ZA0	TS68020VR20	TS68C000MR8A	TS68882MR1B/C25ZA0
TS68020MF1B/C33	TS68020VR25	TS68C000MRB/C10A	TS68882MR1B/C33
TS68020MF1B16BEPE8		TS68C000MRB/C12A	TS68882MR20
TS68020MF1B16BEPH5	TS68040MF1BC25A	TS68C000MRB/C8A	TS68882MR25
TS68020MF1B20BEPE4	TS68040MF1BC25AZA0	TS68C000MRBC12AZQ	TS68882MRB/C16
TS68020MF1B20BEPE5	TS68040MF1BC25AZQ	TS68C000VC10A	TS68882MRB/C16ZQ
TS68020MF1B20BEPG1	TS68040MF25A	TS68C000VC12A	TS68882MRB/C20
TS68020MF1B20BEPH2	TS68040MF33A	TS68C000VC1-8A	TS68882MRB/C20ZA0
TS68020MF1B25BEPE1	TS68040MFB/C25A	TS68C000VC8A	TS68882MRB/C25
TS68020MF1B25BEPE2	TS68040MFB/C25AZQ	TS68C000VR10A	TS68882MRB/C33
TS68020MF1B25BEPE6	TS68040MFB/C33A	TS68C000VR12A	TS68882VF1-20
TS68020MF1B25BEPE8	TS68040MFD/T33A	TS68C000VR8A	TS68882VF16
TS68020MF1B25BEPH5	TS68040MFT25A		TS68882VF20
TS68020MF1B25PE6ZQ	TS68040MFTBC25A	TS68332FR16A	TS68882VF25
TS68020MF1BC20ZA0A	TS68040MFTBC33A	TS68332MR16A	TS68882VF33
TS68020MF20	TS68040MFTD/T25A	TS68332MR1B/C16A	TS68882VR1-20
TS68020MF25	TS68040MR1B/C25A	TS68332MR1B/C16AZQ	TS68882VR1-25
TS68020MFB/C16	TS68040MR1B/C33A	TS68332MR1B/C20A	TS68882VR16
TS68020MFB/C20	TS68040MR1B25BEPM4	TS68332MR20A	TS68882VR20
TS68020MFB/C20ZA0	TS68040MR1BC25AZ2	TS68332MRB/C16A	TS68882VR25
TS68020MFB/C20ZQ	TS68040MR1BC25AZ58	TS68332MRB/C16AZQ	
TS68020MFB/C25	TS68040MR1BC25Z64A	TS68332MRB/C20A	TSX68C429AMRB
TS68020MR1-20	TS68040MR1BC33A	TS68332VR1-16A	TS68C429AMF1BCB
TS68020MR16	TS68040MR25A	TS68332VR16A	TS68C429AMFBCBZQ
TS68020MR16BEPE6	TS68040MR33A		TS68C429AMFBCB
TS68020MR1B/C16	TS68040MRB/C25A	TS68882MF1-20	TS68C429AMFBCBZQ
TS68020MR1B/C16ZA0	TS68040MRB/C33A	TS68882MF16	TS68C429AMRABEPK1
TS68020MR1B/C20	TS68040MRB/C33AZQ	TS68882MF16BEPE8	TS68C429AMRB
TS68020MR1B/C20ZA0	TS68040VF1-25A	TS68882MF1B/C16	TS68C429AMRBCB
TS68020MR1B/C20ZQ	TS68040VF25A	TS68882MF1B/C16ZA0	TS68C429AMRBCBZQ
TS68020MR1B/C25	TS68040VR25A	TS68882MF1B/C20	TS68C429AVF1B
TS68020MR1B/C25ZA0	TS68040VR33A	TS68882MF1B/C20ZA0	TS68C429AVRB
TS68020MR1B16BEPE6		TS68882MF1B/C20ZQ	
TS68020MR1B16BEPG1	TS68C000MC10A	TS68882MF1B/C25	TS68EN360MRB/Q33L
TS68020MR1B20BEPH2	TS68C000MC12A	TS68882MF1B/C25ZA0	TS68EN360MRB/Q25L
TS68020MR1BC16Z2	TS68C000MC12ABEPG9	TS68882MF1B20BEPE5	TS68EN360MRBQ33LZQ
TS68020MR1BC25ZA0D	TS68C000MC1B/C8A	TS68882MF1B20BEPH2	TS68EN360VR25L
TS68020MR20	TS68C000MC1B/C8AZQ	TS68882MF1B25BEPE2	
TS68020MR25	TS68C000MC1BC12A	TS68882MF1B25BEPE6	
TS68020MRB/C16	TS68C000MC8A	TS68882MF1B25PE6ZQ	
TS68020MRB/C16ZA0	TS68C000MCB/C10A		TS68302MR1-16
TS68020MRB/C20	TS68C000MCB/C12A	TS68882MF20	TS68302MR16
TS68020MRB/C20ZA0	TS68C000MCB/C12AZQ	TS68882MF25	TS68302MR1B/C16
TS68020MRB/C20ZQ	TS68C000MCB/C8A	TS68882MF25	TS68302MR1B/C16ZQ
TS68020MRB/C25	TS68C000MF1BC12AZQ	TS68882MFB/C16	TS68302MRB/C16
TS68020MRB/C25ZA0	TS68C000MFB/C10A	TS68882MFB/C16ZA0	TS68302MRB/C16ZQ
TS68020MRB/C25ZQ	TS68C000MFB/C10AZQ	TS68882MFB/C20	TS68302VR1-16
TS68020VF1-20	TS68C000MFB/C12A	TS68882MFB/C20ZA0	TS68302VR16
	TS68C000MR10A	TS68882MFB/C20ZA0A	
		TS68882MFB/C25	