

## PRODUCT CHANGE NOTICE

PCN Number: 2022-PCH-01

Issue Date:

PCN Type:  Product/Process Change

Discontinued Product

### Part Number(s) Affected:

#### Smiths P/N's

**KX1FCD01C1TBH (144-Pin Daughtercard Center Differential Module)**  
**KX1FED01C1TBH (144-Pin Daughtercard End Differential Module)**  
**KX1HCP01C1TBH (72-Pin Daughtercard Center Utility Module)**  
**KX1HEP01C1TBH (72-Pin Daughtercard End Utility Module)**  
**KX1FCS01C1TBH (144-Pin Daughtercard Center Single-ended Module)**  
**KX1FES01C1TBH (144-Pin Daughtercard End Single-ended Module)**  
**T3060-04 (Installation Tool – 144 Pin – Full)**  
**T3060-03 (Installation Tool – 72 Pin – Half)**  
**T3102 (3U Installation Tool Assembly)**  
**T3103 (6U Installation Tool Assembly)**  
**KX1FCD-0001**  
**KX1FCD-0001-R**  
**KX1FED-0002**  
**KX1FED-0002-R**  
**KX1FED-0009**  
**KX1HCP-0003**  
**KX1HCP-0003-R**  
**KX1FCD-0001U**  
**KX1HCP-0003U**

#### Customer Specific P/N's

**SCD's can be updated to the new design upon request.**

**SCD-B52-0050-101**  
**SCD-B52-0050-102**  
**SCD-B52-0050-103**

**2515547-001**  
**2515547-002**  
**2515547-003**  
**2515547-006**  
**2515547-007**

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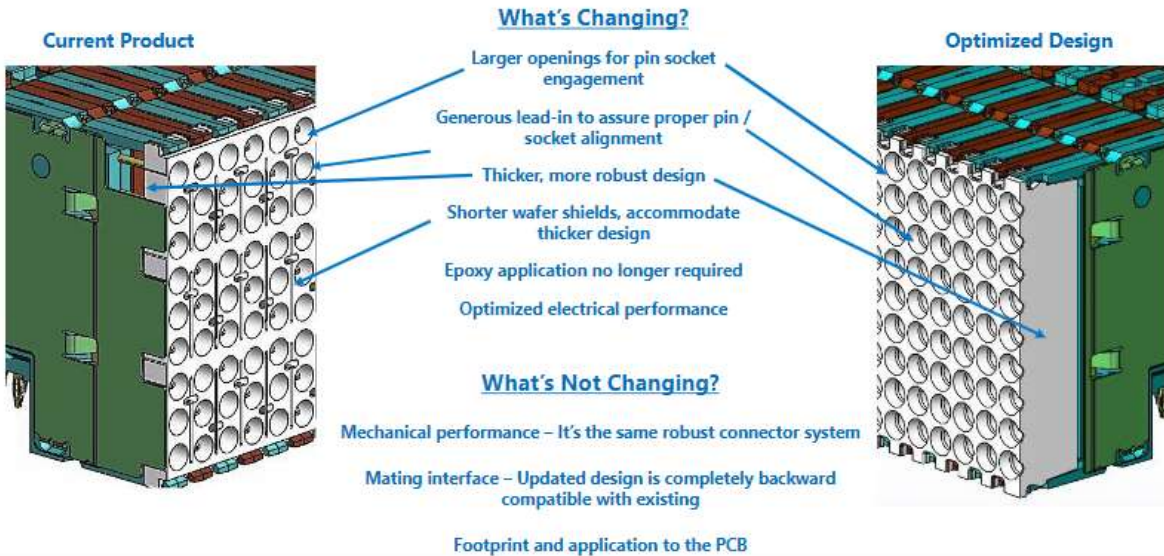
- 2515547-008
- 2587158-001
- 2587158-002
- 2587158-003
- 2582344-001
- 2582344-002
- 2582344-003
- 2582344-006
- 2582344-007

**Reason for the Change:**

The Faceplate has been thickened to eliminate the epoxy from the assembly process, improve the faceplate retention, and improve the manufacturability of the product. The new KVPX connectors were qualified to MIL-DTL-55302G and passed all testing. The qualification report is available upon request.

**Description of the Change:**

The face of the connector has been extended from 21.3mm (0.839in) to 21.73mm (0.856in) a difference of 0.43mm (0.017in) to make the faceplate more robust. The hole diameters in the faceplate have been increased to allow for more lead-in for the mating pins to the sockets in the backplane. The side shield has been shortened to accommodate the thicker faceplate.



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The installation tools have been redesigned to accommodate the thicker face plate and issued new part numbers below.

- T3194-02 (Installation Tool – 144 Pin – Full)
- T3194-01 (Installation Tool – 72 Pin – Half)
- T3197 (3U Installation Tool Assembly)
- T3196 (6U Installation Tool Assembly)

The change does not affect any of the recommended dimensions for the daughtercard to backplane and connectors are backwards compatible to the old part numbers.

### Part Number Cross-Reference (Smiths)

Discontinued Part Number	New KVPX Part Number
KX1FCD01C1TBH	KX1FCD02C1TBH
KX1FED01C1TBH	KX1FED02C1TBH
KX1FCS01C1TBH	KX1FCS02C1TBH
KX1FES01C1TBH	KX1FES02C1TBH
KX1HCP01C1TBH	KX1HCP02C1TBH
KX1HEP01C1TBH	KX1HEP02C1TBH
KX1FCD-0001-R	KX1FCD02C1TBH
KX1FED-0002-R	KX1FED02C1TBH
KX1HCP-0003-R	KX1HCP02C1TBH
T3060-03	T3194-01
T3060-04	T3194-02
T3102	T3196
T3103	T3197

- All space grade KVPX PNs ending in -SL1 are affected as well and should utilize the new PN scheme, but continue to add -SL1 to the end.

**Effective Date: July 31, 2022**

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**Availability of New Samples:**

Immediate, Smiths has internal drawings of the new and improved KVPX Backplane modules, tools, and qualification data available for review upon request.

**For more information contact:**

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**Change History**

<b>Revision</b>	<b>Initiated by</b>	<b>Date</b>	<b>Description of Change / Reason</b>
A	Dave Raymond	18-May-2018	Initial Release