



The Connor-Winfield Corporation
2111 Comprehensive Drive
Aurora, Illinois 60505
Phone: (630) 851-4722
Fax: (630) 851-5040
<http://www.conwin.com>

PRODUCT/ PROCESS CHANGE NOTICE

Number: 2402-1
Date: 02/21/2024
ECO#: 12462
ECO Ref.: (Class: 3 Notification)

Effective Date: 2/21/2024

Change Category: Change in Existing Product Design/Component Parts

Change Description:

- 1) Change analog compensation IC to updated version.
- 2) Component (quartz crystal) change to a smaller size.
- 3) Internal TCXO configuration updated from individual components to a 5x7mm TCXO assembly
- 4) PCB and cover change to accommodate the above.

Reason for Change: The crystal size change is in response to industry trends moving to smaller crystal package sizes, with the larger sizes now EOL. The analog compensation IC is also changing due to EOL status. The TCXO configuration changes are to improve TCXO manufacturability.

Products Affected: 9x14 TCXO/VCTCXO model series:
TFLD-series (ex: TFLD5F-020.0M)
TVLD-series (ex: TVLD5F-100.0M)
Customer-specific part numbers where applicable.

Effect on Product Performance:

The above changes result in a phase noise improvement.

Effect on Physical external appearance:

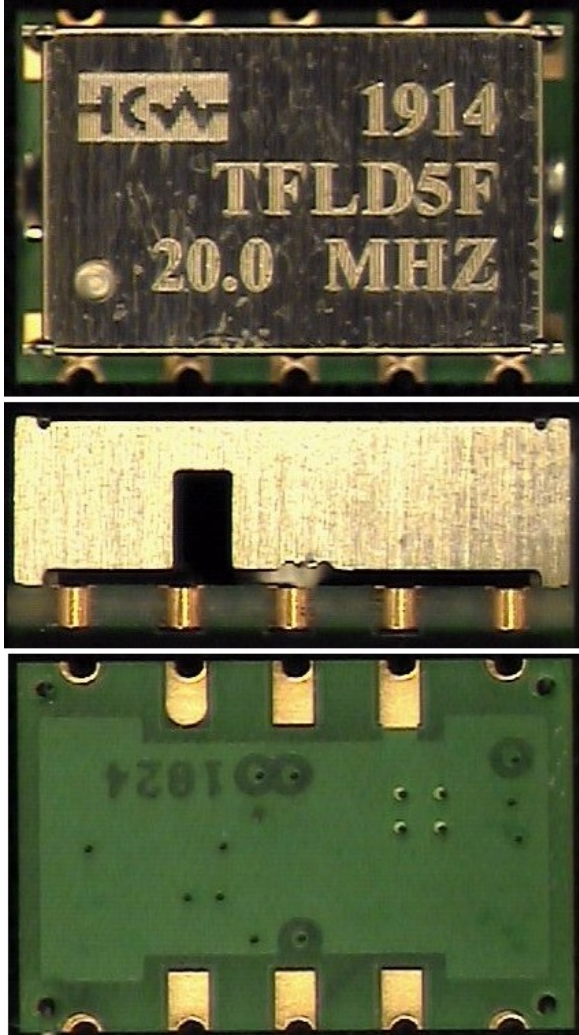
External physical appearance changes slightly due to the PCB and cover changes, but marking configuration does not change.

Change Impact:

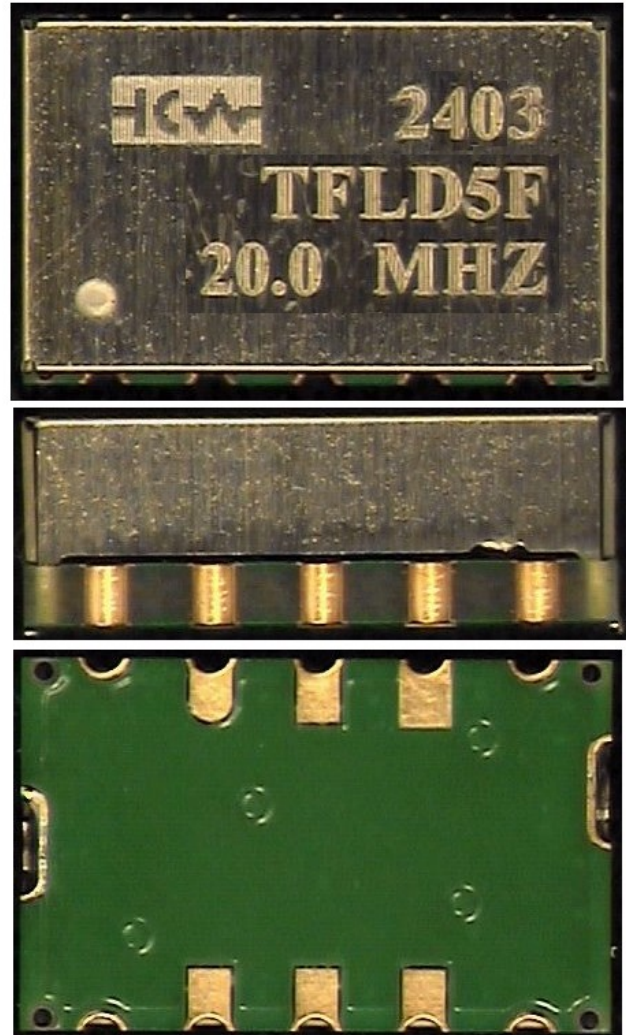
Product part number will remain the same. The change will be controlled through our internal revision level.

CHANGEOVER PROCESS: We will continue to use up any existing inventory of the original design, and then begin to implement these changes. We can provide the first date code of implementation when available.

Old Configuration:



New Configuration:



Test SAMPLES Available: ☒ Yes ☐ No

Test DATA Available: ☒ Yes ☐ No

Connor-Winfield Contact Person: Ken Olp, Engineering Mgr 630-851-4722 Ext 5511,
kolp@conwin.com

CUSTOMER RESPONSE

This PCN requires customer notification only. Please use this form if necessary to respond and direct to the attention of the contact person at Connor-Winfield Corporation.

If Unacceptable, Explain:

Customer Contact:
Telephone:
Email
