



Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #: PCN_FeCBF_20221212
Affected Series: WE-CBF-Series; 742792xxxx
PCN Date: September 12, 2022
Effective Date: December 12, 2022

- Change Category:**
- Equipment / Location
 - General Data
 - Material
 - Process
 - Product Design
 - Shipping / Packaging
 - Supplier
 - Software

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- Data Sheet Change:**
- Yes No
- Attachment:**
- Yes No

Description and purpose of change:

To increase the production capability and ensure long-term product availability, Würth Elektronik will set up an additional production line in an additional country.
 There will be no change in form, fit, function, quality or reliability of the product.

Detail of Change:

Neither quality, electrical nor mechanical properties of the parts will be changed. No datasheet change.
 All dimensions and standard packaging quantity will remain the same.

Already established production sites	Additional production site
Lot number beginning with 126 Country of Origin: Taiwan Lot number beginning with 241 Country of Origin: Taiwan	Lot number beginning with 266 Country of Origin: China



Reliability / Qualification Summary:

Product approval is according to the specification criteria and is internally released by the Product Management Department.

The following items are part of the internal release process:

- Visual Appearance
- Mechanical Parameters (according to the specifications in the Datasheet)
- Electrical Parameters (according to the specifications in the Datasheet)

Please see the Reliability Overview as below. All Tests were passed

	Test	Qty	Reference	Test conditions
1	High Temperature Exposure	77	MIL-STD-202 Method 108	125°C, 1000h
2	Temperature Cycling	77	JESD22 Method JA-104	-55°C(30min)~ 125°C(30min), Transfer time max. 1min., 1000 cycles
3	Biased Humidity	77	MIL-STD-202 Method 103	85°C, 85%RH, 1000h, rated current from the datasheet
4	Operational Life	77	MIL-PRF-27	85°C, 1000h, rated current from the datasheet
5	External Visual	30	MIL-STD-883 Method 2009	
6	Physical Dimension	30	JESD22 Method JB-100	
7	Resistance to Solvents	15	MIL-STD-202 Method 215	Solvent 1: Immersion 3±0.5 minutes @ 25±5°C, brush 10 strikes (wet bristle), 2-3 oz, 3 cycles with air below dry Solvent 3: Immersion 3±0.5 minutes @ 25±5°C, brush 10 strikes (wet bristle), 2-3 oz, 3 cycles with Rinse in water air below dry Solvent 4: Immersion 3±0.5 minutes @ 63-70°C, brush 10 strikes (wet bristle), 2-3 oz, 3 cycles with Rinse in water air below dry
8	Mechanical Shock	30	MIL-STD-202 Method 213	3 shocks in each direction(x, -x, y, -y, z, -z) , amplitude 1500g, duration 0.5ms



9	Vibration	30	MIL-STD-202 Method 204	10g's for 20min, 12cycles each of 3 orientations, test from 15~2000HZ		
10	Resistance to Soldering Heat	30	MIL-STD-202 Method 210	260°C, tp=30~35s, 3 time reflow time		
11	ESD	15	AEC-Q200-002 or ISO/DIS10605	Classificaiton : 6		
12	Solderability	30	IPC-A-610	Steam Aging 8 hrs±15min @93°C, Tc=240~245°C, tp=20~30s.		
13	Electrical Characterization	30	User Spec.	measure electrical property@ 20°C, 125°C, -55°C.		
14	Board Flex	30	AEC-Q200-005	bending 2mm (Min), 60(+5) sec		
15	Terminal Strength(SMD)	30	AEC-Q200-006	Size	Push Force (N)	Duration
				0402	3	
				0603	5	
0805	6	60+1s				
16	Low Temperature Storage Life	77	JESD22-A119	-55±3°C, 1000h		

Reliability test according to AEC-Q200-REV D test requirements