

# PRODUCT CHANGE NOTICE

1. TITLE DC-DC Converter Screening Levels		2. DOCUMENT NUMBER FV5-C-22-0012
		3. DATE April 26, 2022
4. MANUFACTURER AND ADDRESS IR HiRel Products Inc. An Infineon Technologies Company 2520 Junction Ave San Jose, CA 95134		5. MANUFACTURER PART NUMBER DC-DC Converters
		6. BASE PART N/A
		7. NATIONAL STOCK NUMBER (NSN) N/A
8. CAGE 52467	9. EFFECTIVE DATE April 26, 2022	10. GOVERNMENT NUMBER N/A
11. POINT OF CONTACT Manufacturer's Representative or Account Specialist (978) 534-5776		12. DRAWING NUMBER N/A
		13. SPECIFICATION NUMBER MIL-PRF-38534

14. PRODUCT CHANGE


This GIDEP PCN is to announce a change in hybrid product screening levels offered. The No Suffix (COTS) and HB screening levels are being eliminated from DC-DC Converter and filter products ordering option. IR HiRel will continue to offer the product screening level ES and CH instead. This change affects the DC-DC Converter series AFL, AHE, AHF, AHV, ASA, ATO, ATR, ATW and the filter series AFC, AFM and AME. Going forward as a substitution, customers who have procured the No Suffix (COTS) screen products will now receive the ES screen level, and for customers who have procured the HB screen products will now receive the CH screen level device.

Refer to the Screening table below for further screening level details.

Screening table

Requirement	MIL-STD-883 Method	<del>No Suffix</del> <sup>5</sup>	ES <sup>2</sup> <sup>5</sup>	<del>HB</del> <sup>5</sup>	CH
Temp range	-	<del>-20°C to +85°C</del>	-55°C to +125°C <sup>3</sup>	<del>-55°C to +125°C</del>	-55°C to +125°C
Elem eval	MIL-PRF-38534	-	-	-	Class H
Int visual	2017	<del>-</del> <sup>1</sup>	Class H	Class H	Class H
Temp cycle	1010	<del>-</del>	Cond B	Cond C	Cond C
Const accel	2001, Y1 Axis	<del>-</del>	500 Gs	3000 Gs	3000 Gs
PIND	2020	<del>-</del>	-	-	-
Burn-in	1015	<del>-</del>	48 hrs at hi temp <sup>4</sup>	160 hrs at 125°C	160 hrs at 125°C
Final elec (Grp A)	MIL-PRF-38534 & Specification	<del>25°C</del>	25°C <sup>2</sup>	<del>-55°C, +25, 125°C</del>	-55°C, +25, 125°C
PDA	MIL-PRF-38534	-	-	10%	10%
Seal, fine & gross	1014	<del>Cond A</del>	Cond A, C	Cond A, C	Cond A, C
Radiographic	2012	<del>-</del>	-	-	-
Ext visual	2009	<del>-</del> <sup>1</sup>	Yes	Yes	Yes

- <sup>1</sup> Best commercial practice
- <sup>2</sup> Sample tests at low and high temperatures
- <sup>3</sup> -55°C to +105°C for AHE, ATO, ATW, -55°C to 125°C for all other models
- <sup>4</sup> 105°C for AHE, ATO, ATW, 125°C for all other models
- <sup>5</sup> Device is not compliant to MIL-PRF-38534

15. APPROVAL DATE	16. APPROVING GOVERNMENT ACTIVITY	
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE April 26, 2022