

PRODUCT CHANGE NOTICE

1. TITLE EM Grade Screening Standardization		2. DOCUMENT NUMBER FV5-C-19-0071
		3. DATE August 15, 2019

4. MANUFACTURER AND ADDRESS International Rectifier HiRel Products, Inc 2520 Junction Ave San Jose, CA, 95134	5. MANUFACTURER PART NUMBER DC-DC Converters
	6. BASE PART NA
	7. NATIONAL STOCK NUMBER (NSN) NA


8. CAGE 52467	9. EFFECTIVE DATE Sept 1, 2019	10. GOVERNMENT NUMBER NA
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11. POINT OF CONTACT Manufacturer's Representative or Account Specialist (978) 534-5776	12. DRAWING NUMBER NA
	13. SPECIFICATION NUMBER MIL-PRF-38534

14. PRODUCT CHANGE
This GIDEP PCN is to announce standardization of the /EM screening flow for International Rectifier (IR) HiRel Products DC-DC Converters (refer to table below). Engineering models are designated by the /EM suffix in the part number. This PCN applies to all DC-DC Converter models derived from the following hybrid families: ARA, ARE, AF, ART, GH, GHP, LS, LSO, M3GB, M3N, S, SF, SBB, SBI.

Part Number Designator		/EM	/CK
Compliance Level	MIL-PRF-38534	N/A	K level compliant
Screening Requirement	MIL-STD-883 TM		
Temperature Range	—	Ambient	-55°C to +85°C
Element Evaluation	MIL-PRF-38534	N/A	Class K
Non-Destructive Bond Pull	2023	N/A	Yes
Internal Visual	2017	IR Defined	Yes
Temperature Cycle	1010	N/A	Cond C
Constant Acceleration	2001, Y1 Axis	N/A	3000 Gs
PIND	2020	N/A	Cond A
Burn-In	1015	N/A	320 hrs @ 125°C (2 x 160 hrs)
Final Electrical (Group A)	MIL-PRF-38534 & Specification	Ambient	-55°C, +25°C, +85°C
PDA	MIL-PRF-38534	N/A	2%
Seal, Fine and Gross	1014	N/A	Cond CH
Radiographic	2012	N/A	Yes
External Visual	2009	IR Defined	Yes

15. APPROVAL DATE	16. APPROVING GOVERNMENT ACTIVITY	
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17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE August 15, 2019
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Note that IR HiRel Engineering Models (EM) are strictly intended to permit the customer to determine the electrical functionality of the device in the customer's application in ambient conditions. The use of EM devices in production applications presents an unquantifiable risk of failure and IR HiRel disclaims all responsibility for such failure.