

First Quarter 2015

# IC Reference Design Wins

Here are the Electronics Division's IC House design wins and OEM Designs for the first quarter of 2015.

When you come across any of these reference designs, please note the Bussmann series circuit protection, magnetics, or supercapacitor products they may need.



*Powering Business Worldwide*



**FP2-S047-R**

Reference Design: FEBFAN6920MR\_T02U120A

Description: Evaluation Board that Combines Power Factor Correction (PFC) controller and quasi-resonant PWM controller.

**SS-5-1A**

Reference Design: FLS3247N

Description: Single-Stage PFC Primary-Side-Regulation Offline LED Driver with Integrated Power MOSFET.

**SS-5-2A**

OEM Design: FEBFL7733A\_L51U030A

Description: Wide input voltage Range Flyback LED Driver with Analog dimming for 30W LED Lamp.

**SS-5-1A**

Reference Design: FEBFL7734\_L55H008A

Description: Evaluation Board for 8.6W LED Driver at High Line.

**SS-5-1A**

Reference Design: FEBFL7730\_L20L008B

Description: Dimmable LED Bulb at Low Line.

**SS-5-1A**

OEM Design: FEBFL7730\_L20H008B

Description: Dimmable LED Bulb at High Line.

**SS-5-1A**

Reference Design: FEBFLS3247N\_L42U010A

Description: 10 W LED Driver at Universal Line.



**HC7-2R2-R**

Reference Design: EVB-VF522R3

Description: Vybrid Automotive Customer Evaluation Board.

**0402ESDA-MLP1 (Quantity of 3)**

Reference Design: FRDM-KW40Z

Description: Ultra-low-power, highly integrated single-chip device that enables Bluetooth Low Energy.

**0402ESDA-MLP1 (Quantity of 3)**

OEM Design: TWR-KW2x

Description: IEEE® 802.15.4 compliant - higher performance ZigBee Pro and ZigBee IP based applications, especially Smart Energy and Commercial Building Automation.



**FP0707R1-R110-R, FP1008L1-R150-R, FP1008R2L-R15-R, FP1008R4-R150-R, FP1008R4-R150-R**

OEM Design: PXM1310

Description: Step down DC-DC converter for VR13 Memory Power.

**CTX99-18850-R, HC3A-3R2-R**

OEM Design: TLE7187-revB6 inverter & IPLU300N04S4-R8MOSFET

Description: 40A Mosfet based H-bridge driver for automotive applications - Mainly tuned for electronic power steering.

**FP1309B1-R120-R**

OEM Design: Demo Board # DB260

Description: Analog Devices 3.3-20Vin ADJ Output.

**FP1007R3-R22-R**

OEM Design: DB257

Description: Demo Board for IR35412 V core Power.

**FP1309B1-R120 (Quantity of 3)**

OEM Design: Demo Board # DB261

Description: V Core Power.

**FP1007R3-R23-R (Quantity of 2)**

OEM Design: Demo Board # DB254

Description: V Core Power.

**FP0404R1-R065-R, HCP0805-R68-R**

OEM Design: Demo Board # DB258

Description: V Core Power.

**FP1007R3-R22-R**

OEM Design: Demo Board # DB264

Description: V Core Power.



**HCM1305-R47-R**

Reference Design: Demo Board ZL6105-1CH-DEMO1Z

Description: Digital DC-DC Controller with Drivers and Auto Compensation.



**DR1040-150-R, DR1030-100-R, FP3-8R2-R, DR1040-220-R**

Reference Design: LTC3115-2

Description: 40V, 2A Synchronous Buck-Boost DC-DC Converter.

**HC9-100-R**

Reference Design: Demo Board DC1772A

Description: High Voltage LED Controller with Internal PWM Dimming.

**HCM0703-1R0-R, HCM0703-1R5-R, HCM0703-2R2-R, HCM0703-3R3-R, HCM0703-4R7-R**

Reference Design: LTC3622, LTC3622-2, LTC3622-23/5

Description: 17V, Dual 1A Synchronous Step-Down Regulator with Ultralow Quiescent Current.

**DRQ73-101-R**

Reference Design: Demo Board # DC2006A-A

Description: High Power, High Voltage Step-Up Converter.

**DR127, DRQ127, and HCM1104 Series  
(Inductor value is application specific)**

Reference Design: LT8709

Description: Negative Input Synchronous Multi-Topology DC-DC Controller.

**3216FF7-R (quantity of 4), 3216FF250-R (quantity of 6)**

Reference Design: LTC3305EFE

Description: Lead Acid Battery Balancer.

**SD3110-100-R**

Reference Design: LT3048-15

Description: Low Noise Bias Generator.

**SD25-681-R**

Reference Design: DC2199A-B

Description: 360W Isolated Forward Converter with Synchronous Rectification.

**HB1840-2R5606-R, DRQ127, DR127, and HCM1104 Series  
(Inductor value is application specific)**

Reference Design: LT8710

Description: Synchronous SEPIC/ Inverting/Boost Controller with Output Current Control.

**HC9-470-R-R**

Reference Design: Demo Board # DC1319B-A/DC1319B-B

Description: High Voltage LED Controller.

**SD25-470-R**

OEM Design: Demo Board # DC2218A

Description: Application For Octal Matrix LED Bypass Switch.

**DRQ125-100-R, DRQ74-4R7-R, DRQ125-150-R**

Reference Design: LT8494

Description: SEPIC/Boost DC-DC Converter with 2A, 70V Switch, and 7 $\mu$ A Quiescent Current.



**FP1008L1-R150-R, FP1008-R15-R, FP1008R3-R15-R, FP1008R4-R150-R**

OEM Design: MP2955

Description: Step down DC-DC converter for VR13 CPU power.

**CC12H4A**

Reference Design: MPQ4491-MGR & MPQ4492-MGR

Description: Car Charger

**MPI4040R4-4R7-R, MPI4040R4-6R8-R, MPI4040R4-100-R**

Reference Design: EV2956

Description: DC-DC for Notebook Power.

**CC12H4A**

Reference Design: MPM3515GQV

Description: DC-DC LCD Power.

**FP1008-120-R & FP1007R3-R22-R**

Reference Design: MP86905 & MP2955 & MP2030

Description: CPU, DDR power solution VR core designs.

**FP1109B1 and FP1309B series**

Reference Design: MPQ8633A & MP8633B

Description: DC-DC VR13 Vcore and DDR power.

## Electronics Division Quarterly IC reference design wins - Q1 2015



**ON Semiconductor®**

**FP1007R3-R23-R**

Reference Design: NCP3233

Description: 15A integrated converter – this converter is aimed for generic 3.3Vin POLs and for PCIe applications.

**FP1108R1-R21-R**

Reference Design: NCP81111/NCP5338 EVB

Description: 3 phase digital controller–for the Broadwell-DE platform.

**PHV-5R4V255-R, DRQ125-100-R**

Reference Design: NCP1294

Description: SEPIC Converter.

**FP1108R1-R18-R (Quantity of 9)**

Reference Design: ONSEC-13-017B rev 2

Description: DrMOS boards Power Board for VR13.

**UP3B-4R7-R**

Reference Design: Evaluation Board NCP1592GEVB

Description: PWM Regulator.



**STMicroelectronics**

**DR74-3R3-R, DR74-4R7-R, DR125-100-R**

Reference Design: L5989D

Description: 4 A continuous Step-down switching regulator with synchronous rectification.



**FP1008L1-R150-R, FP1008R2L-R15-R, FP1008R4-R150-R, FP1008R4-R150-R**

OEM Design: TPS53659

Description: Step down DC-DC converter CPU power for VR13 CPU Power.

**FP1008L1-R150-R, FP1008R2L-R15-R, FP1008R4-R150-R, FP1008R4-R150-R**

OEM Design: TPS53679

Description: Step down DC-DC converter CPU power for VR13 CPU Power.

**Online Resources**

[www.eaton.com/elx](http://www.eaton.com/elx)

**View or Download Datasheets:**

[www.eaton.com/elx-datasheets](http://www.eaton.com/elx-datasheets)

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