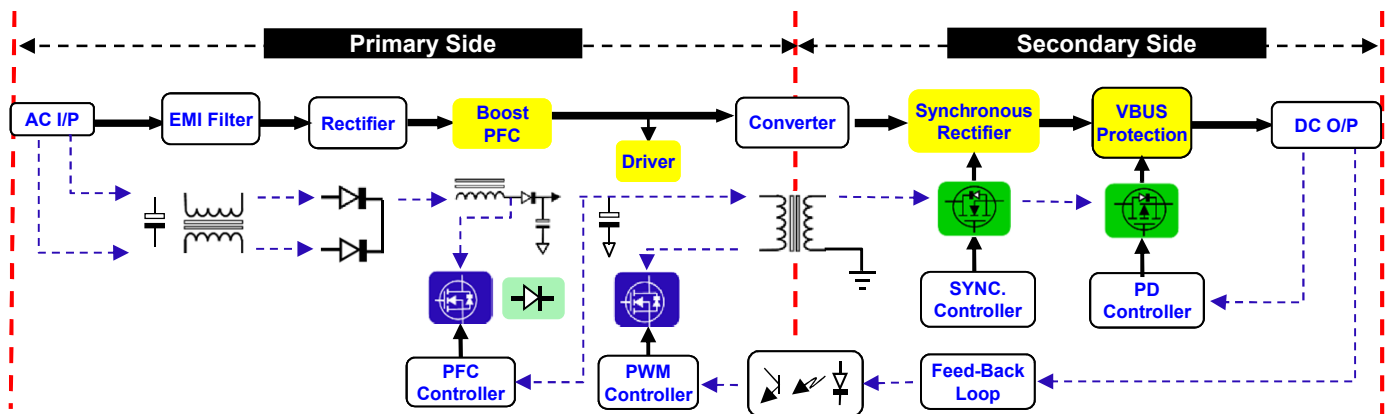


Power Delivery Quick Charge Solution Scheme



Recommended Products

Application Note	Type	Model	Package	V_{RRM} (V) Min.	I_F (A) 100°C Max.	V_F (V) 25°C Typ.	T_{rr} (nS)
Boost PFC (Diode)	SiC	LHC06A65	DFN5*6/TO-220F-2	650	6.0	1.5	—
		LHC08A65	DFN5*6/TO-252/TO-220C-2	650	8.0	1.5	—
		LHC10A65	DFN5*6/TO-220C-2	650	10.0	1.5	—
	FRED	LHF8006	TO-220-2/TO-220F-2	600	8.0	1.3	31.0
		LHF10T60	TO-220-2/TO-220F-2	600	10.0	1.3	25.0
		LHF10U60	TO-220-2/TO-220F-2	600	10.0	1.2	35.0
Application Note	Model	Package	BV_{OSS} (V)	I_D (A)	V_{TH} (V) Min.	$R_{DS(on)}$ $\mu\Omega$ typ.	
Boost PFC (HV-MOSFET)	LH65R170	TO-220F	650	20	2.5	Typ.	Max.
	LH65R120	TO-220F	650	25	2.0	0.150	0.170
	LH65R090FD	DFN8*8 TO-220F	650	47	3.0	0.110	0.120
	LH65R070FD	TOLL	650	53	2.0	0.076	0.090
Driver (HV-MOSFET)	LH65R330	DFN5*6 /DFN8*8	650	12	2.5	0.060	0.070
	LH65R230	DFN5*6 /DFN8*8	650	16	2.5	0.310	0.330
	LH65R170	DFN8*8 TO-220F	650	20	2.5	0.210	0.230
	LH65R120	TO-220F	650	25	2.0	0.150	0.170
	LH65R090FD	DFN8*8 TO-220F	650	47	3.3	0.110	0.120
Sync. Rec. (LV-MOSFET)	LH018N04G	DFN5*6	40	400	0.8	0.076	0.090
	LH160N06S	DFN5*6	60	160	1.2	0.0008	0.0010
	LH062N100	DFN5*6	100	45	1.0	0.0028	0.0035
	LH032N100	DFN5*6	100	120	2.0	0.0058	0.0062
	LH042N120	DFN5*6	120	120	2.0	0.0032	0.0040
	LH043N150	DFN5*6	150	150	2.0	0.0042	0.0052
VBUS (LV-MOSFET)	LH55P03	DFN3*3	-30	-55	-0.9	0.0043	0.0052
	LH70P03	DFN3*3	-30	-70	-1.0	0.0060	0.0090
	LH30N03	DFN3*3	30	30	1.0	0.0035	0.0040
	LH3020	DFN3*3-PB	30	30	1.0	0.009	0.0120
	LH75N03	DFN3*3	30	75	1.0	0.0080	0.0110
	LH100N03	DFN3*3	30	100	1.0	0.0039	0.0050
	LH015N03	DFN3*3	30	180	1.2	0.0029	0.0034
	LH42N04	DFN3*3	40	55	1.2	0.0012	0.0015
	LH100N04	DFN3*3	40	100	1.0	0.0042	0.0055
	LH018N04	DFN3*3	40	150	1.2	0.003	0.004
						0.0018	0.0023