

Green your power, green the world



2025
Product Selection guide

TV / Monitor Total Solution				
Output Power (max.)	PFC Controller	PWM Controller	SR Controller	Remark
75W ~ 800W	LD7580R	-	-	Interleaved PFC controller
75W ~ 300W	LD7771x		LD8530	Integrated PFC and Current Mode LLC Solution
75W ~ 200W	LD7593x/LD7597x	LD5537B1/ LD5537E1/LD5535E1	LD8526x/LD8528x	TV/Monitor 2-in-1/3-in-1 application
108W ~ 200W	LD7681	LD7781	NA	Dual Output Half-bridge LLC Solution
75W ~ 150W	LD7790/LD7791/LD7792/LD7793		LD8526x/LD8528x	Integrated PFC and QR Flyback Solution
40W ~ 55W	NA	LD5537B1/ LD5537E1/LD5535E1	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾	LD5537B1:100kHz LD5537E1/LD5535E1:65kHz
40W ~ 75W	NA	LD961A ⁽¹⁾	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾	HV start, Integrated 650V MOSFET
⁽¹⁾ Integrated MOSFET				

PD 3.1 EPR/SPR Total Solution				
Output Power (max.)	PWM Controller	SR controller	PD Controller	Remark
140W ~ 240W	LD5780x/LD7710x	LD8529x	LD6617x/LD6618x	AHB Controller/Extend Power Range
100W ~ 140W	LD7797x/LD7798x	LD8526x/LD8528x3	LD6617x	Extend Power Range
75W ~ 100W	LD7797x/LD7798x	LD8526x/LD8528x	LD6612x/LD6615x/LD6615x2/ LD6935x ⁽¹⁾ /LD6935x2 ⁽¹⁾	Standard Power Range/Extend Power Range
45 ~ 65W (HV Start)	LD5766x/LD5763x	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		Standard Power Range
30 ~ 65W (LV Start)	LD5523M1/LD5555x/ LD5556x	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		
20W	LD9535C ⁽¹⁾	LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		
⁽¹⁾ Integrated MOSFET				

GaN Combo Total Solution				
Output Power (max.)	PWM Controller	SR controller	PD Controller	Remark
30 ~ 65W (HV Start)	LD96x ⁽²⁾	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾	LD6612x/LD6615x/LD6615x2/ LD6935x ⁽¹⁾ /LD6935x2 ⁽¹⁾	HV start, GaN FET Integrated Solution
30 ~ 65W (LV Start)	LD95x ⁽²⁾	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾	LD6612x/LD6615x/LD6615x2/ LD6935x ⁽¹⁾ /LD6935x2 ⁽¹⁾	LV start, GaN FET Integrated Solution
⁽¹⁾ Integrated MOSFET ⁽²⁾ Integrated GaN FET				

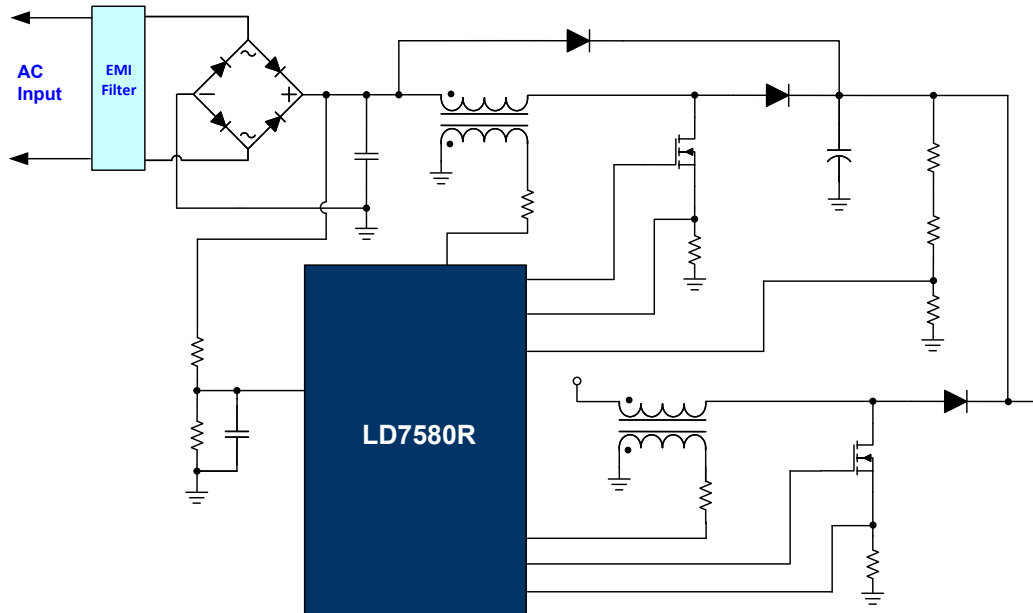
Networking / Mobile Total Solution				
Output Power (max.)	PWM Controller	SR Controller		Remark
120W ~ 240W	LD7771x	LD8530		Integrated PFC and Current Mode LLC Solution
48W ~ 75W	LD952AGT2 ⁽¹⁾	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		SSR Solution
24W ~ 65W	LD5523x	LD8526x/LD8528x/ LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		
18W ~ 24W	LD9534 ⁽¹⁾ /LD9535 ⁽¹⁾	LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		
24W ~ 45W	LD5523x2/LD9175GT2 ⁽¹⁾ / LD918x ⁽¹⁾	LD8526S/LD8528S LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		PSR Solution
18W ~ 24W	LD9174x ⁽¹⁾ /LD9175x ⁽¹⁾	LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		
12W ~ 18W	LD9164x ⁽¹⁾	LD8925F1 ⁽¹⁾ /LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		
7.5W ~ 12W	LD9162x ⁽¹⁾	LD8925F1 ⁽¹⁾ /LD8926x ⁽¹⁾ /LD8928x ⁽¹⁾		
⁽¹⁾ Integrated MOSFET				

LED Lighting Total Solution				
Output Power (max.)	PWM Controller	Secondary Controller	3 in 1 Flexible Dimming Processor	Remark
150W	LD7792N/O	LD8105/LD8106/LD8115x	LD8116A/B/C/D	Two Stage, Low THDi, High PF, Flick free, 3in 1 Dimmable LED power application
90W	LD7838	LD8105/LD8106/LD8115x	LD8116A/B/C/D	Single Stage, Low THDi, High PF, 3 in 1 Dimmable LED power application
90W	LD7841/K/Q	Buck/Buck-Boost	LD8116A/B/C/D	Two Stage, Low THDi, High PF, Flick free, 3 in 1 Dimmable LED power application

TV/MNT Total Solutions

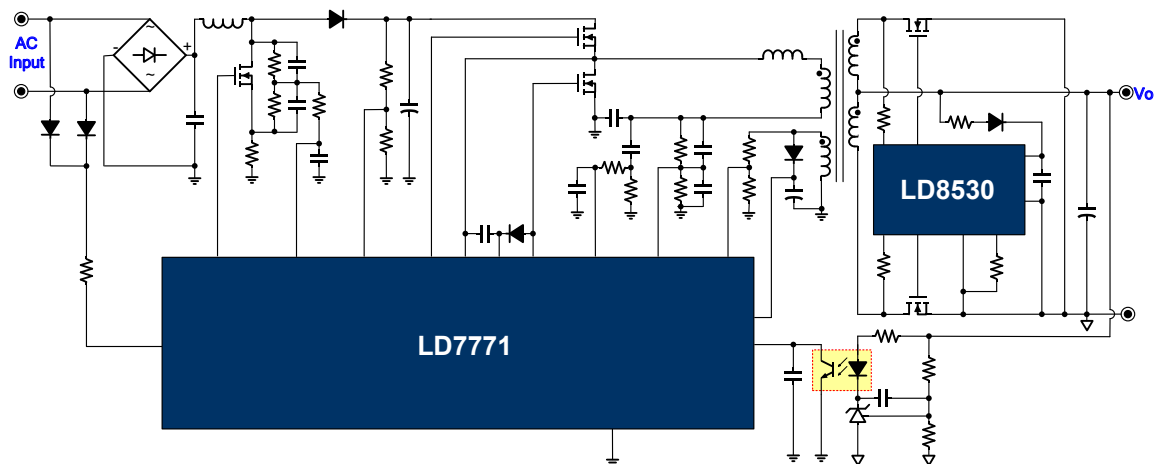
75~800W TV/MNT power application: Interleaved PFC controller

- ⊙ Voltage Mode Control with Robust 180° Phase Shift management
- ⊙ Build-in THDi (Total Harmonic Current Distortion) Enhancer
- ⊙ Digital Controller for Parameter Setting
- ⊙ CRM / DCM Switching Mode
- ⊙ Driving Capability (1000mA/-1800mA)



75~300W TV/MNT power application: Integrated PFC and Current Mode LLC Solution

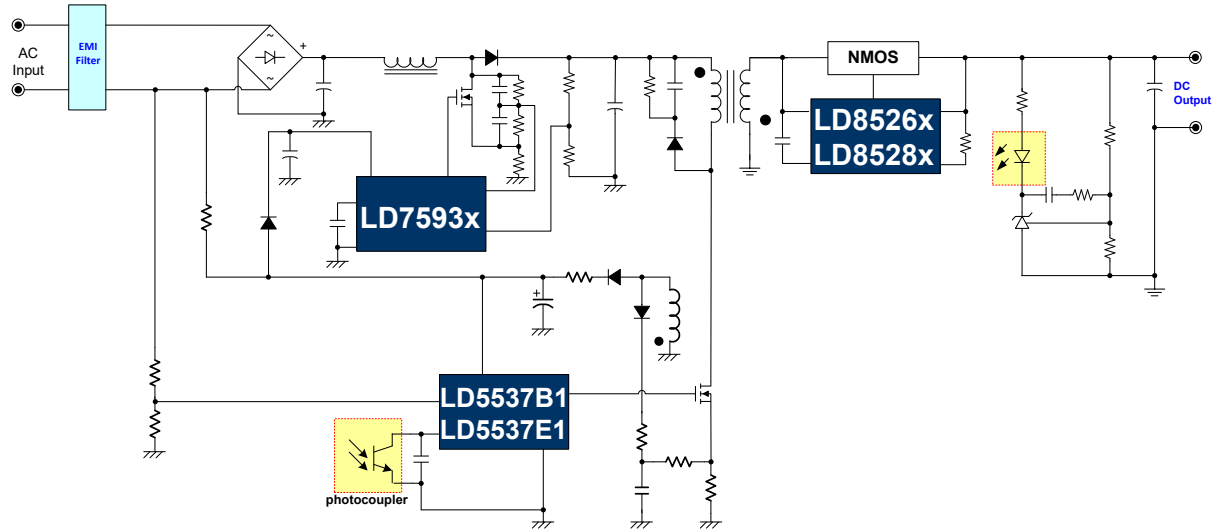
- ⊙ High performance digital PFC+LLC controller
- ⊙ Low THD with AC compensation
- ⊙ Critical mode PFC without auxiliary winding
- ⊙ Configurable functions and parameters



75~200W TV/MNT power application: TV/MNT 2-in-1 / 3-in-1 application

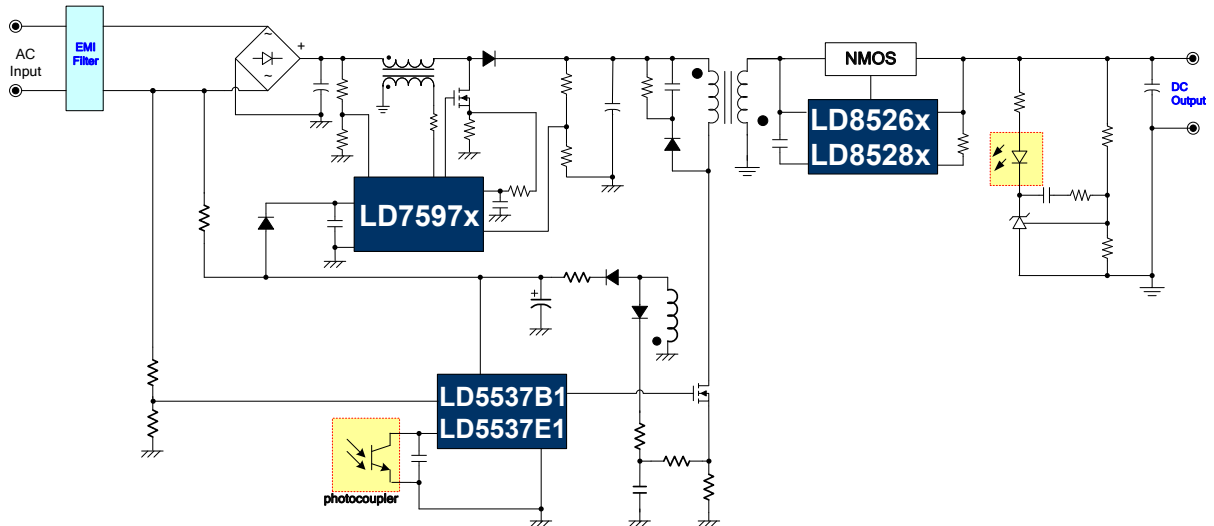
- CrM PFC + CCM/QR flyback controller
- PFC without aux. winding & dual OVP

- Less component counts
- Adjustable CS limit & OCP of flyback



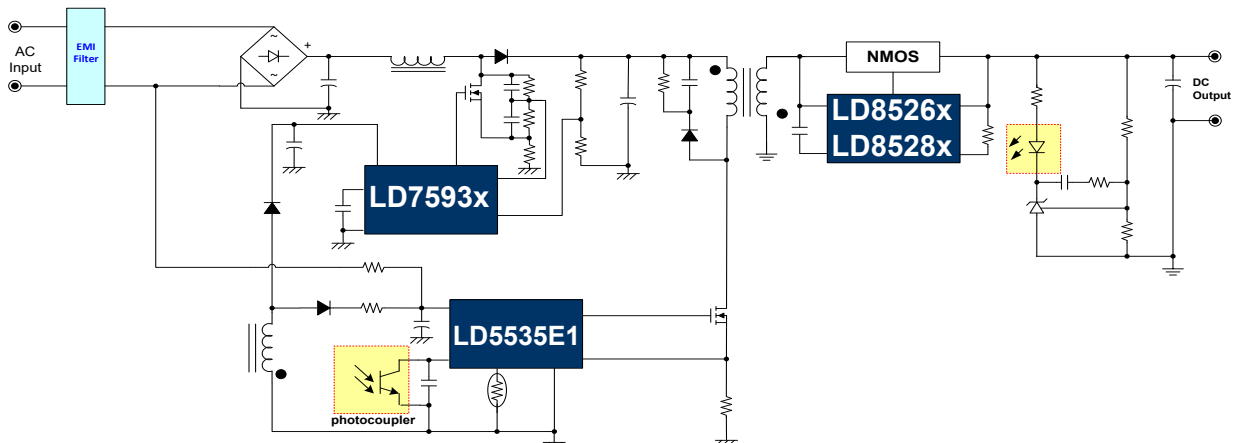
- CrM PFC + CCM/QR flyback controller
- Robust PFC Protection Function

- PFC Build-in THDi Enhancer
- Adjustable CS limit & OCP of flyback



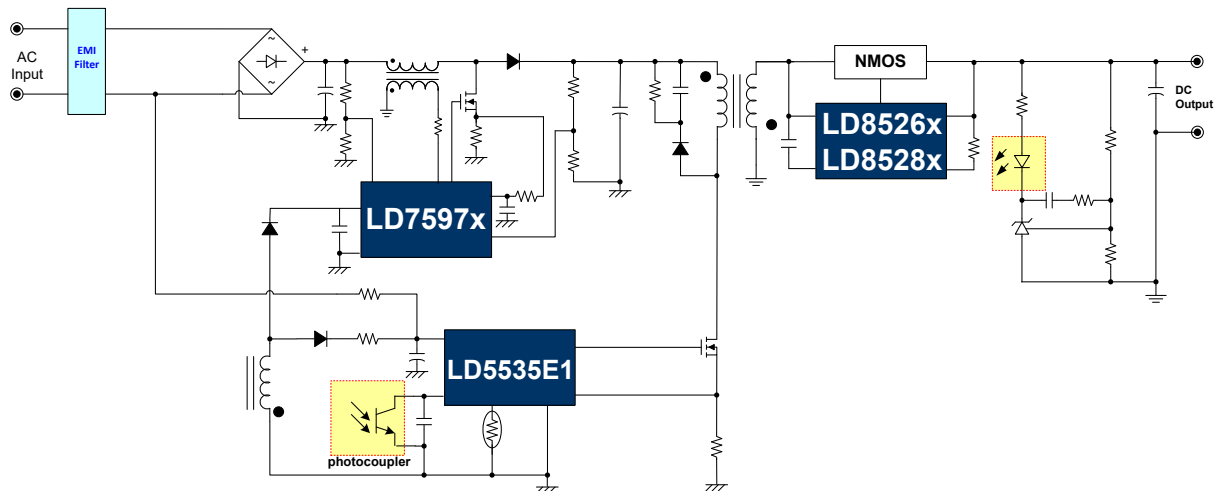
- CrM PFC + flyback controller
- PFC without aux. winding & dual OVP

- Less component counts
- With Ext. OTP through a NTC of flyback



- CrM PFC + flyback controller
- Robust PFC Protection Function

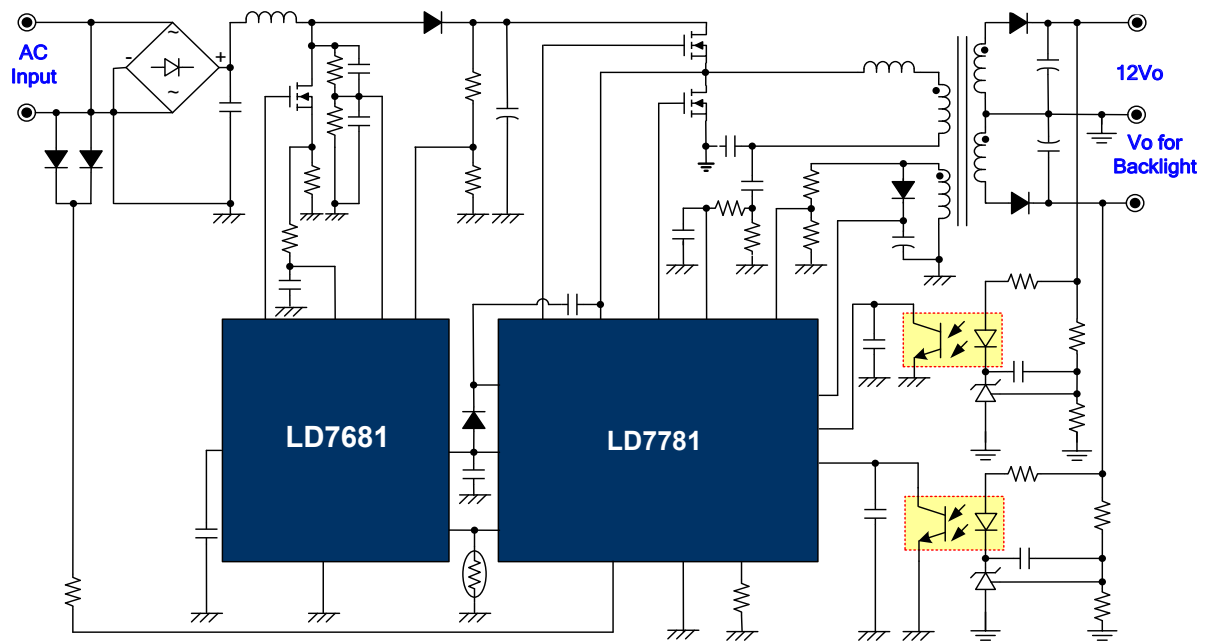
- PFC Build-in THDi Enhancer
- With Ext. OTP through a NTC of flyback



108~200W TV/MNT power application: Dual Output Half-bridge LLC Solution

- CrM PFC+ HB LLC controller
- Pin< 300mW @ Po=120mW

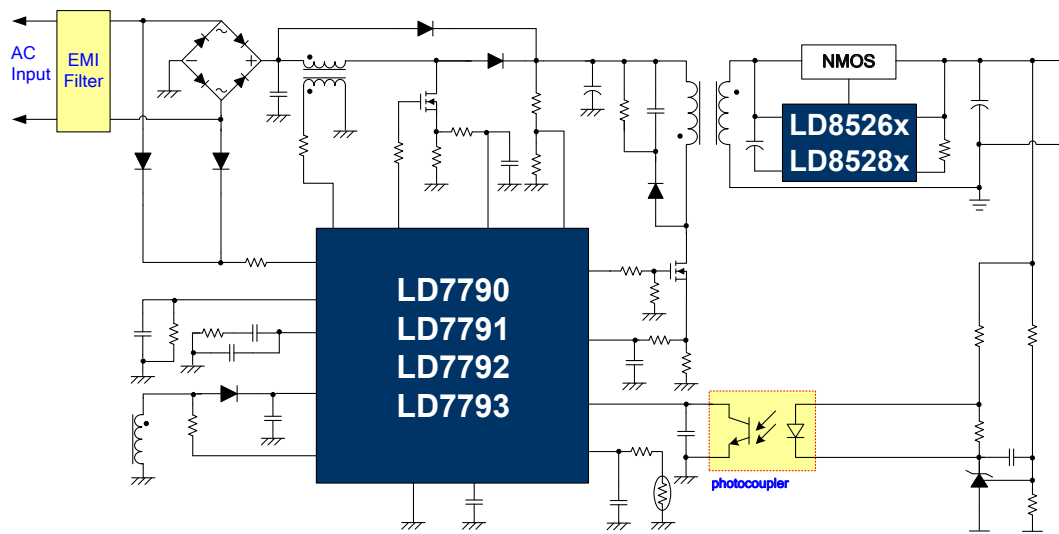
- Low standby acoustic noise
- AC BNI/O & X-CAP discharge



75~150W TV/MNT power application: Integrated PFC and QR Flyback Solution

- ⊙ Built-in X-CAP Discharging
- ⊙ Adjustment OLP De-bounce time

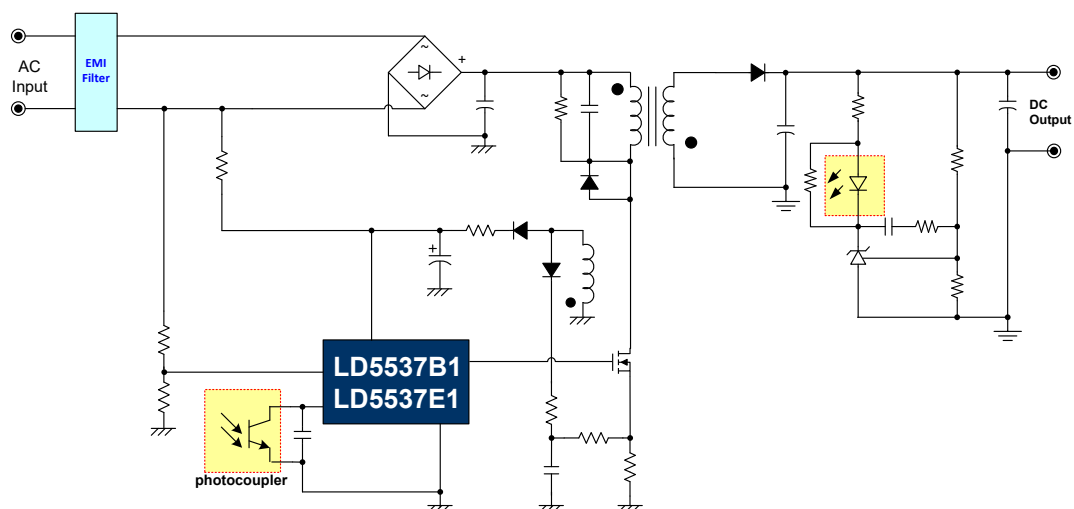
- ⊙ External Latch Protection
- ⊙ PFC Light Load Turn-off Control



40~55W TV/MNT power application: Total solutions for TV/MNT 3-in-1 application

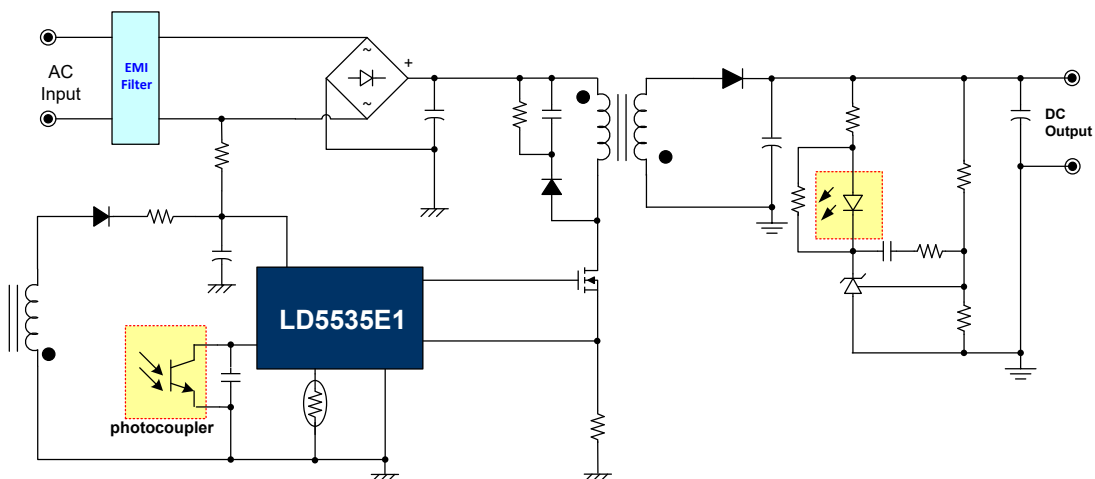
- ⊙ Multi-Mode (QR+CCM) Controller
- ⊙ Less components counts

- ⊙ EMI-improved solution
- ⊙ Adjustable OCP/BNO of Flyback



- ⊙ Green Mode PWM Controller
- ⊙ Less components counts

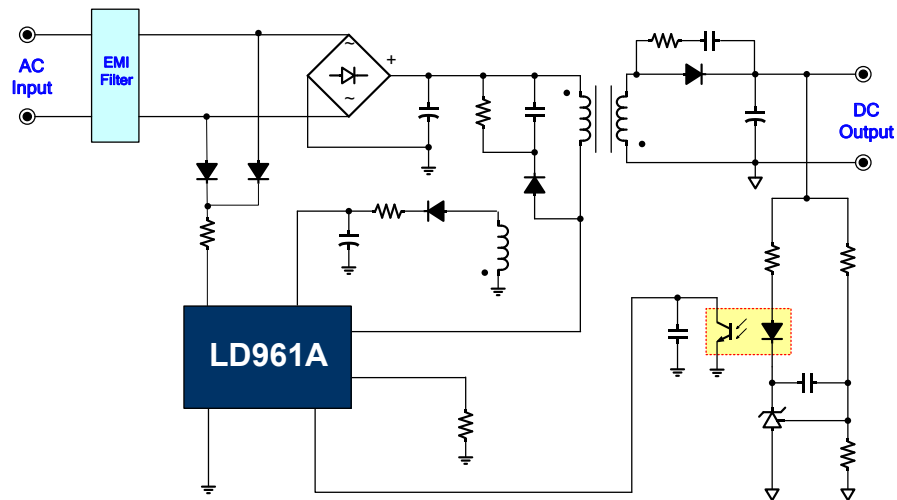
- ⊙ EMI-improved solution
- ⊙ With Ext. OTP through a NTC of Flyback



40~75W TV/MNT power application: HV start with Integrated 650V MOSFET

- ⦿ High-Voltage (700V) Startup Circuit
- ⦿ SPAK-6L package

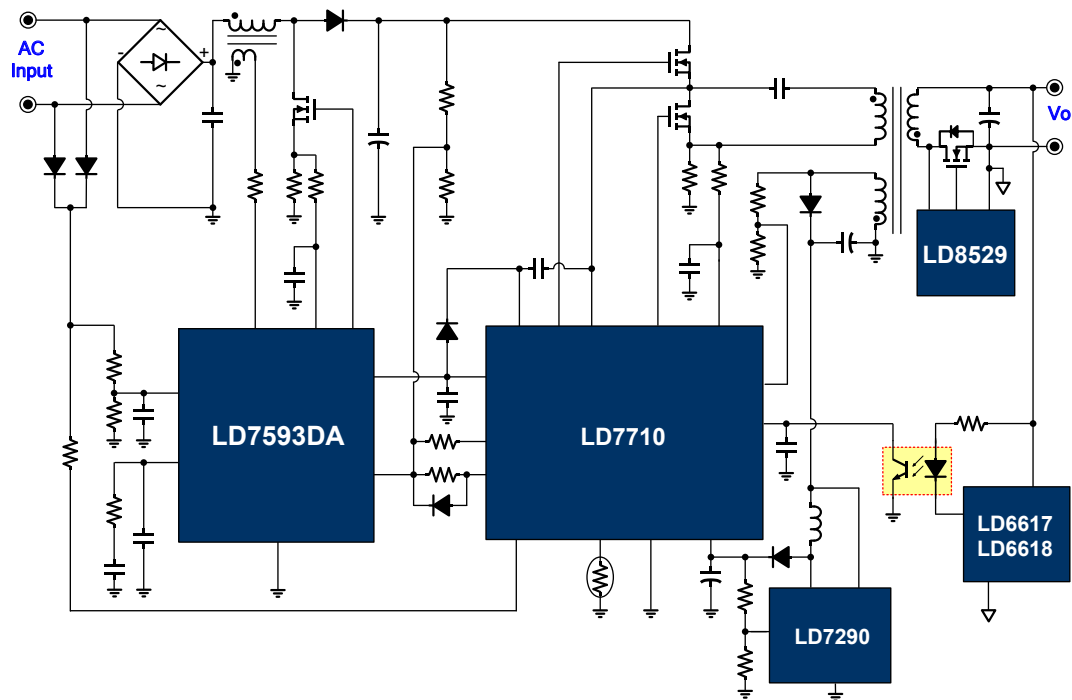
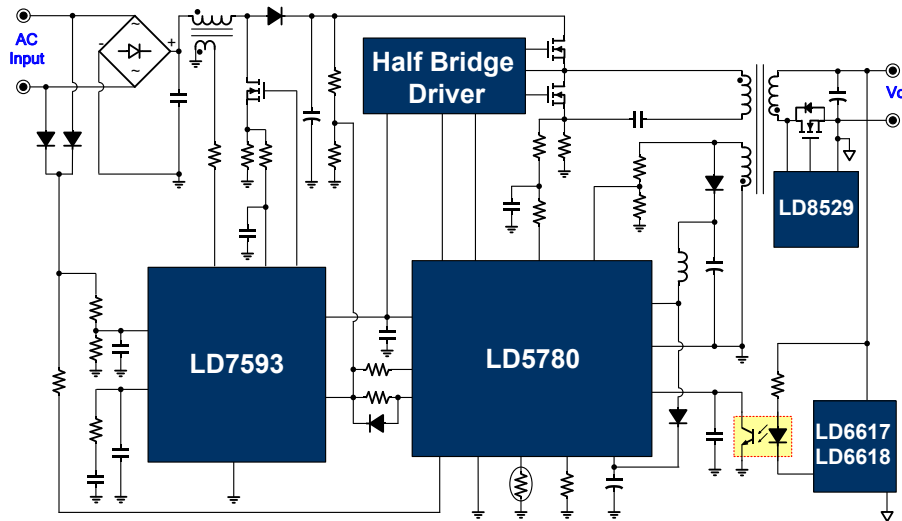
- ⦿ EMI-improved solution
- ⦿ Green Mode PWM Controller



PD 3.1 EPR/SPR Total Solution

140~240W for USB-PD 3.1 Extend Power Range (EPR)

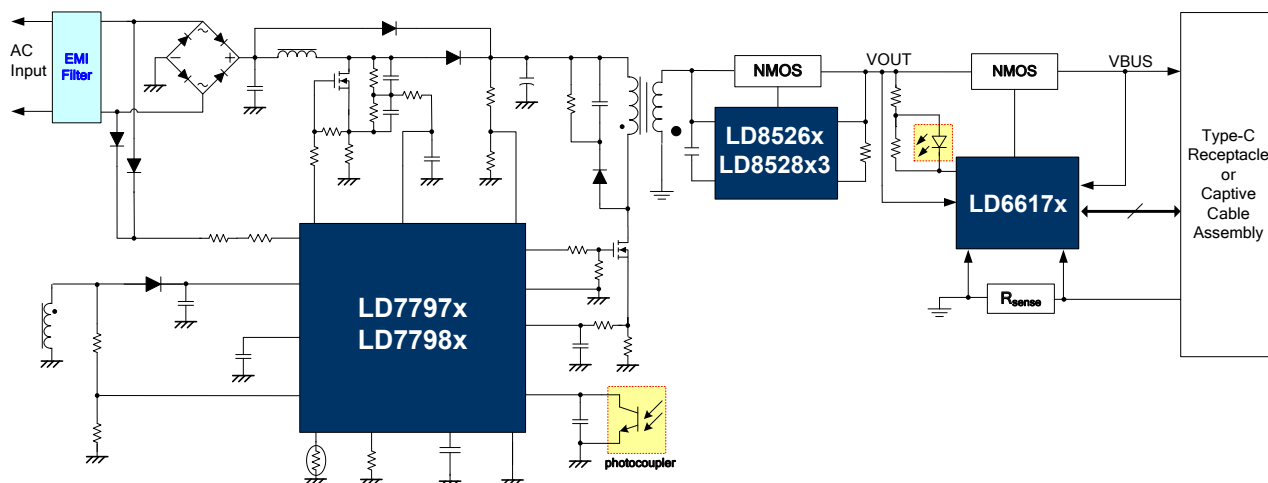
- ⊙ Configurable parameters and functions
- ⊙ Auto tracking ZVS control
- ⊙ Built-in boost & LDO for external circuit power supply
- ⊙ Supports USB PD 3.1 SPR & EPR 28V/36V/48V



100~140W for USB-PD 3.1 Extend Power Range (EPR)

- 180V (LD7797x/D7798x) VIN max rating
- LD7797x to Drive E-Mode GaN

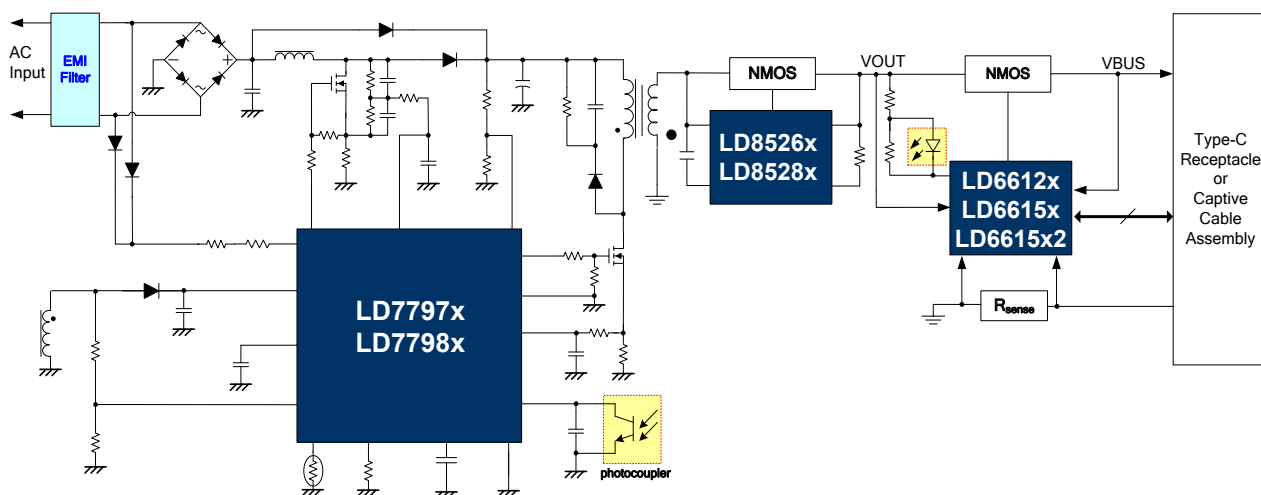
- ◎ Supports USB PD 3.1 SPR & EPR 28V/36V
- ◎ PFC ON/OFF Control (LD7797x/D7798x)



75~100W for USB-PD 3.1 Standard Power Range/Extend Power Range (SPR/EPR)

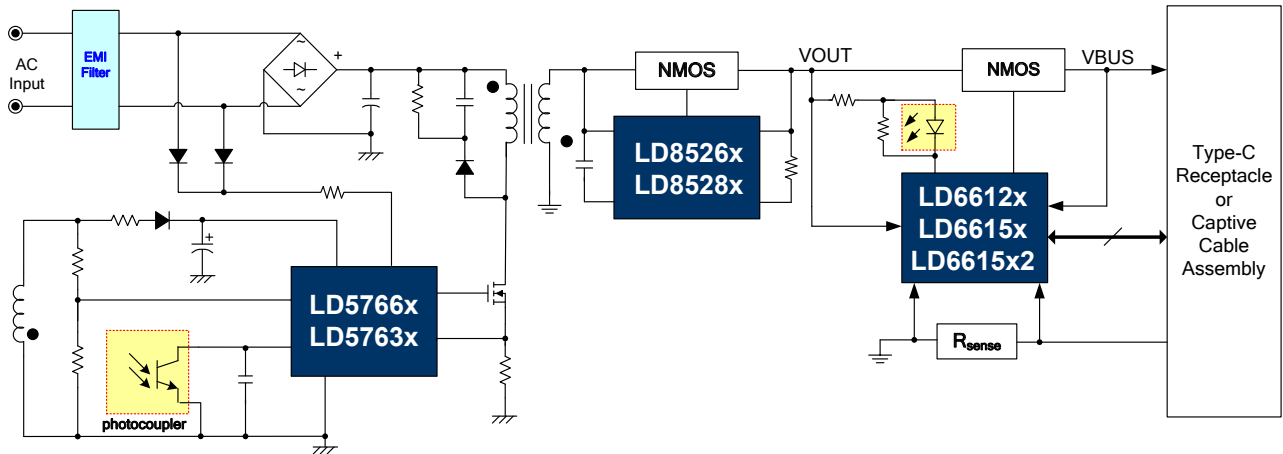
- 180V (LD7797x/D7798x) VIN max rating
- LD7797x to Drive E-Mode GaN

- ◎ Supports USB PD 3.1 SPR & EPR 28V (LD6617x)
- ◎ PFC ON/OFF Control (LD7797x/D7798x)



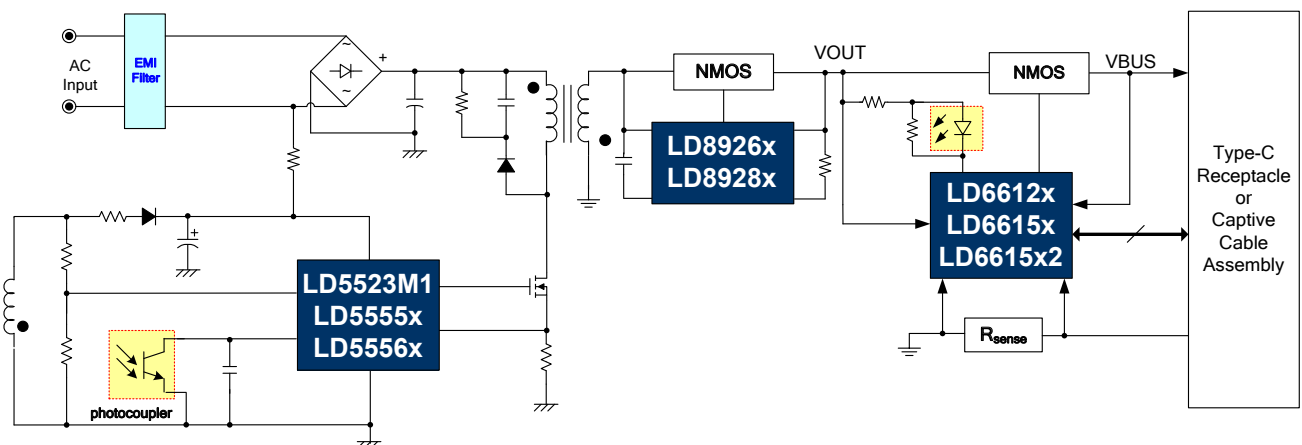
45~65W for USB-PD 3.1 SPR: High voltage start-up

- Total solution meet CoC Tier 2
- 83V Vcc rating
- Smart stabilization system and high efficiency for USB-PD Application
- Reduce the noise and improve EMI solution



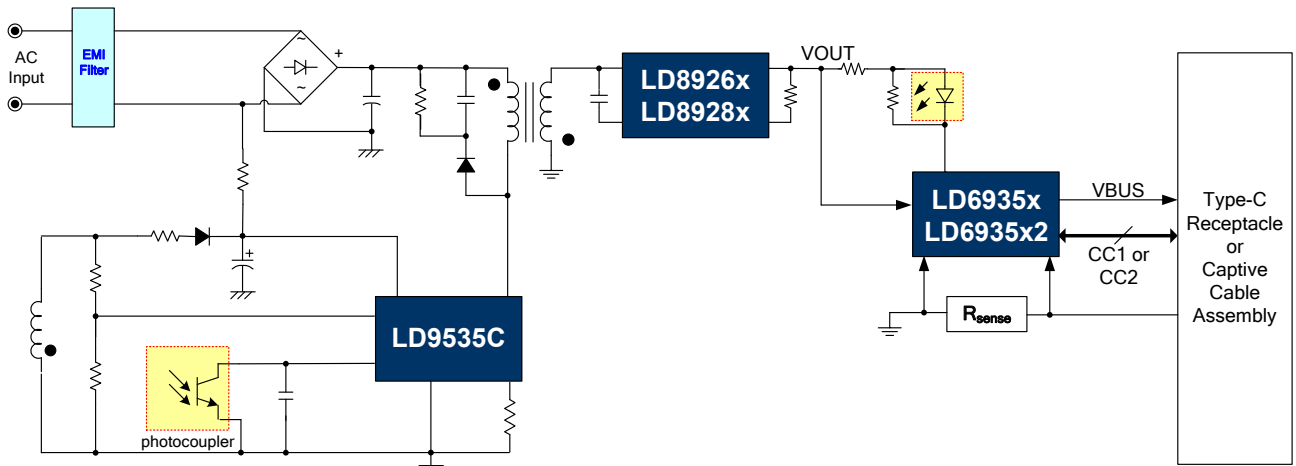
30~65W for USB-PD 3.1 SPR: Low voltage start-up

- Total solution meet CoC Tier 2
- Simple circuit design
- Multi-mode PWM control
- Self-supplying power for SR controller
- LD5555E1/LD5556E1 to Drive E-Mode GaN



20W for USB-PD 3.1 SPR: SSR All Combo Solution

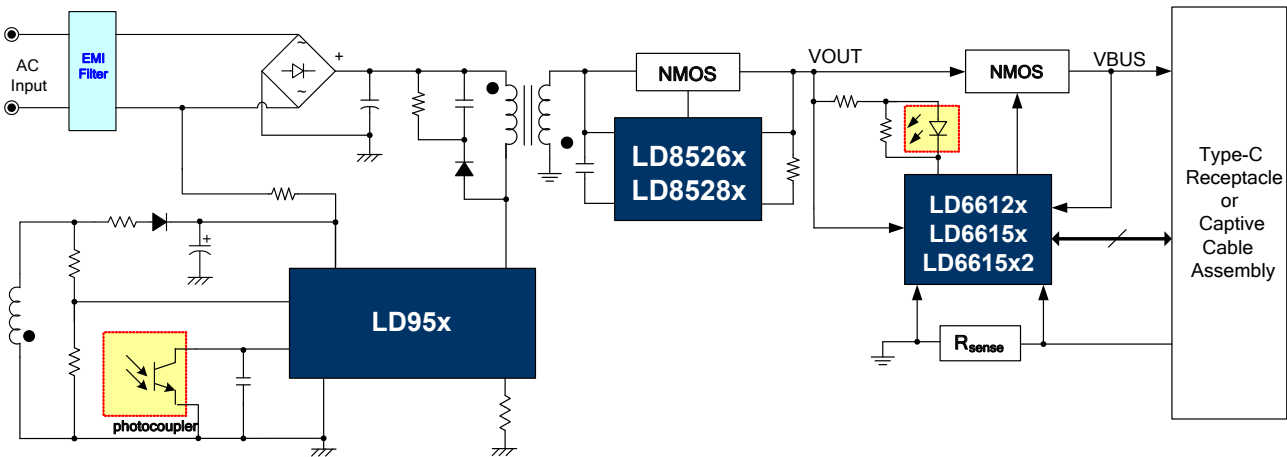
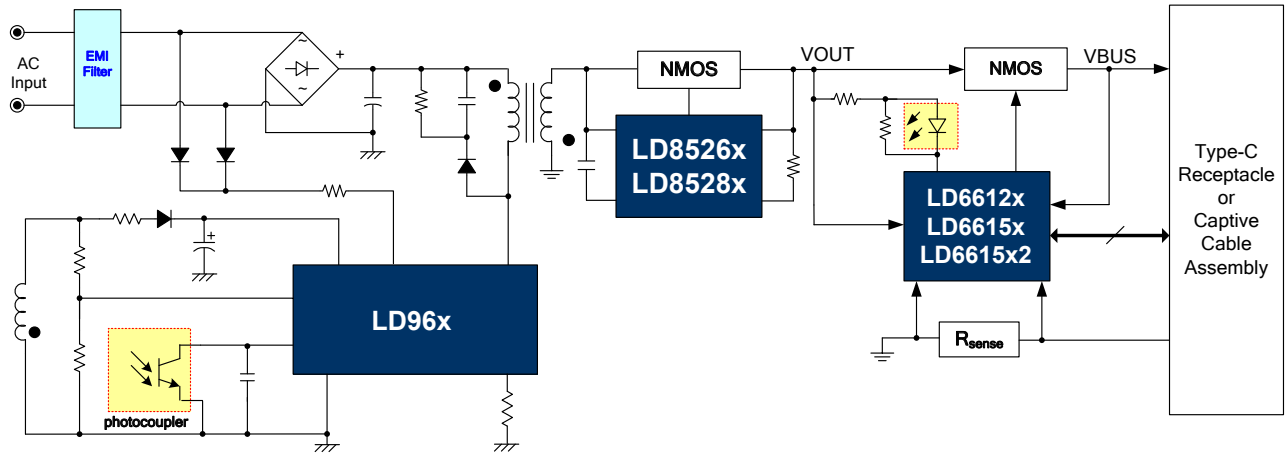
- Total solution meet CoC Tier2
- No load power consumption < 75mW
- All combo, simple circuit design
- Wide Vcc range



GaN Combo Total Solution

30~65W for USB-PD 3.1 SPR: SSR GaN Combo Solution

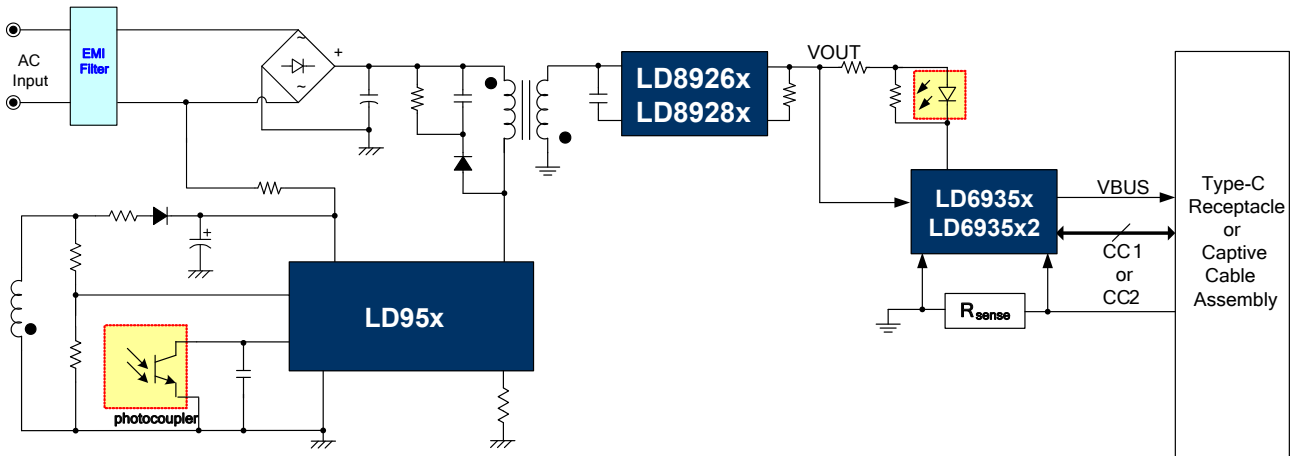
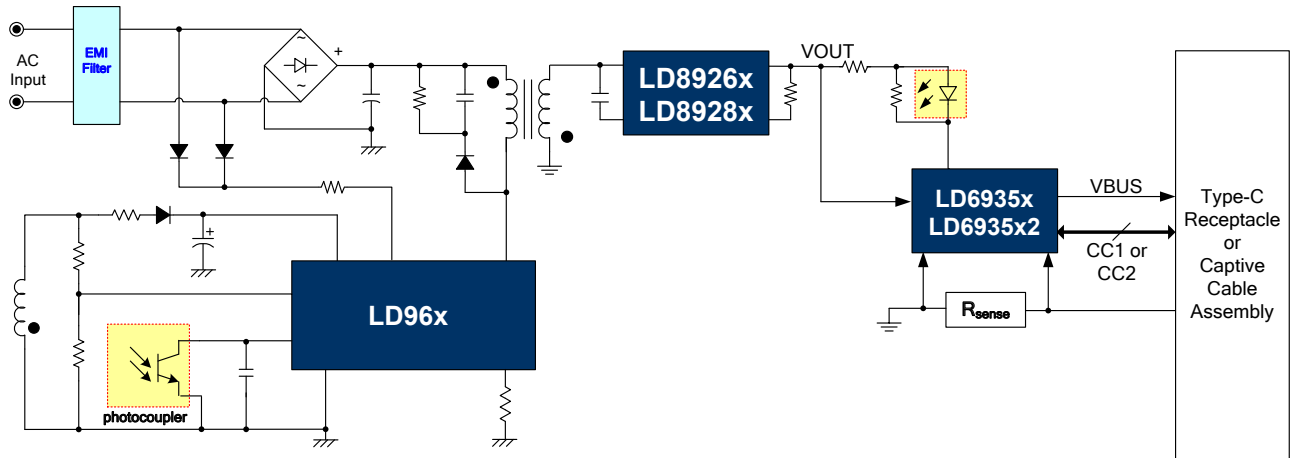
- Integrated 700V GaN FET
- Accurate LPS for All Vo (± 8%)
- Self-supplying power for SR controller
- Reduce the noise and improve EMI solution



30~65W for USB-PD 3.1 SPR: All Combo Total Solution

- ⊙ All Combo Total Solution
- ⊙ Accurate LPS for All V_o ($\pm 8\%$)

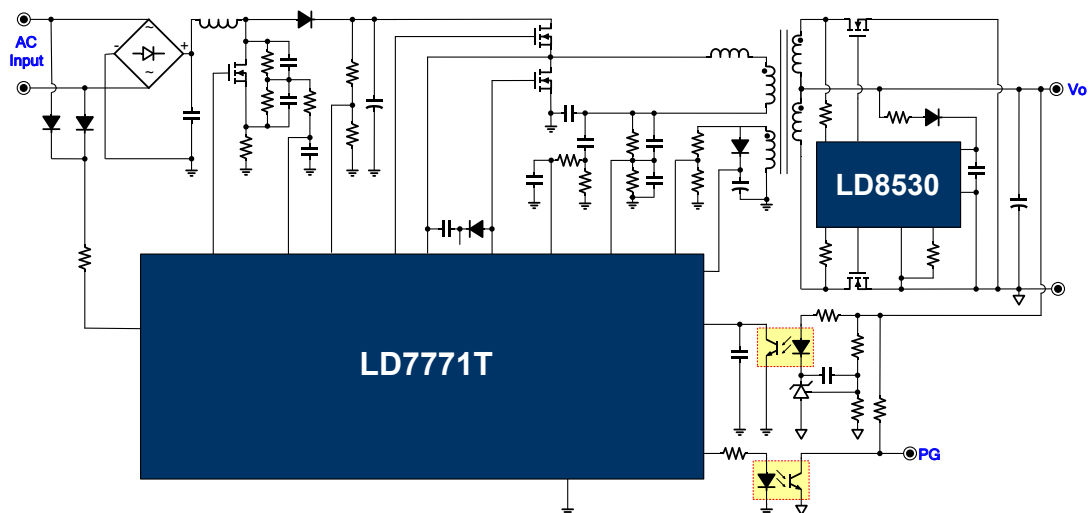
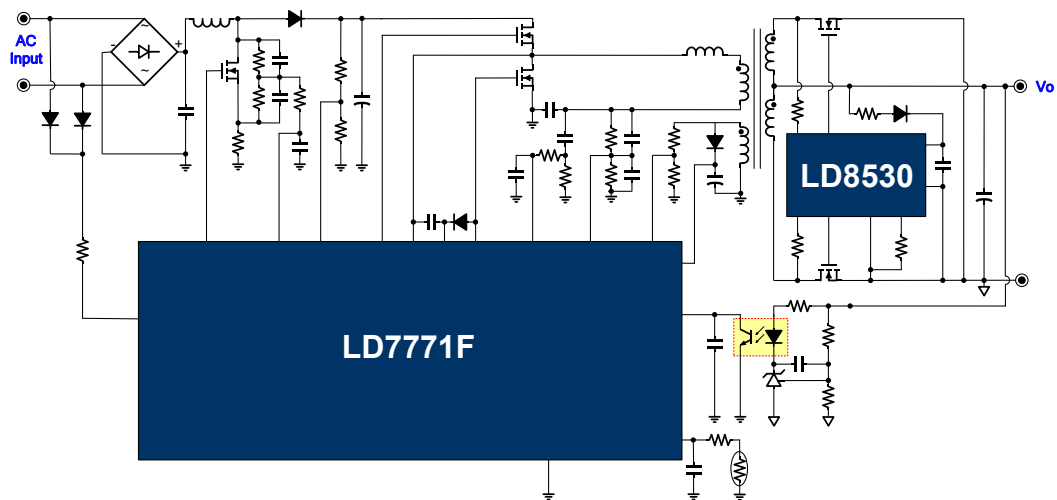
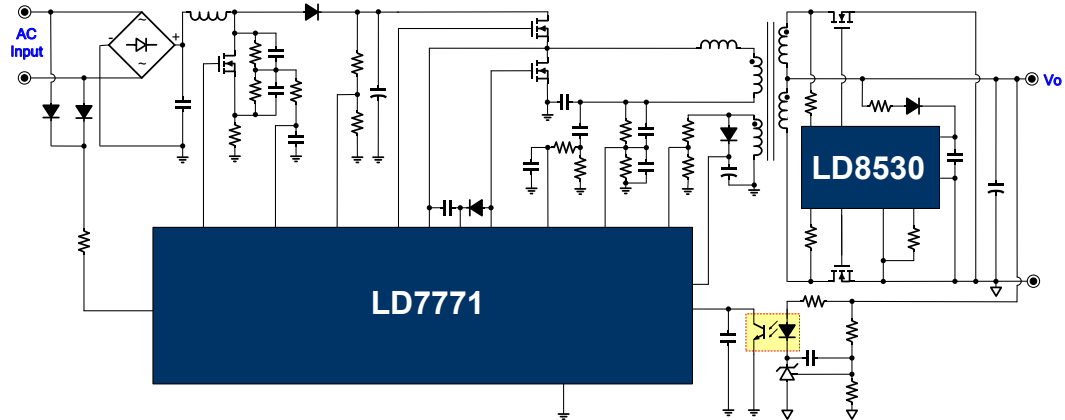
- ⊙ Self-supplying power for SR controller
- ⊙ Reduce the noise and improve EMI solution



Networking Adapter Total Solutions

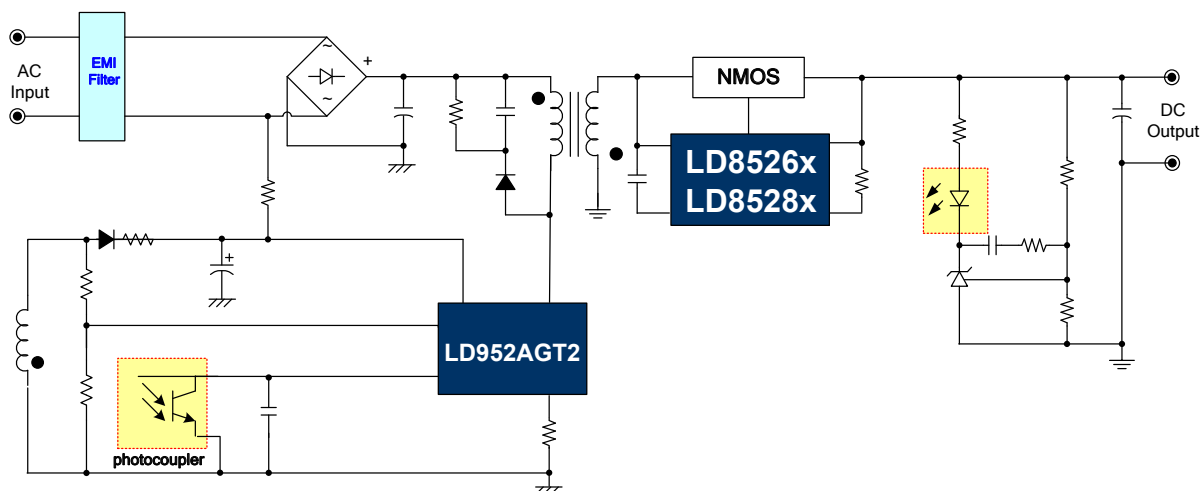
120~240W adapter: Integrated PFC and Current Mode LLC Solution

- High performance digital PFC+LLC controller
- Low THD with AC compensation
- Critical mode PFC without auxiliary winding
- Configurable functions and parameters



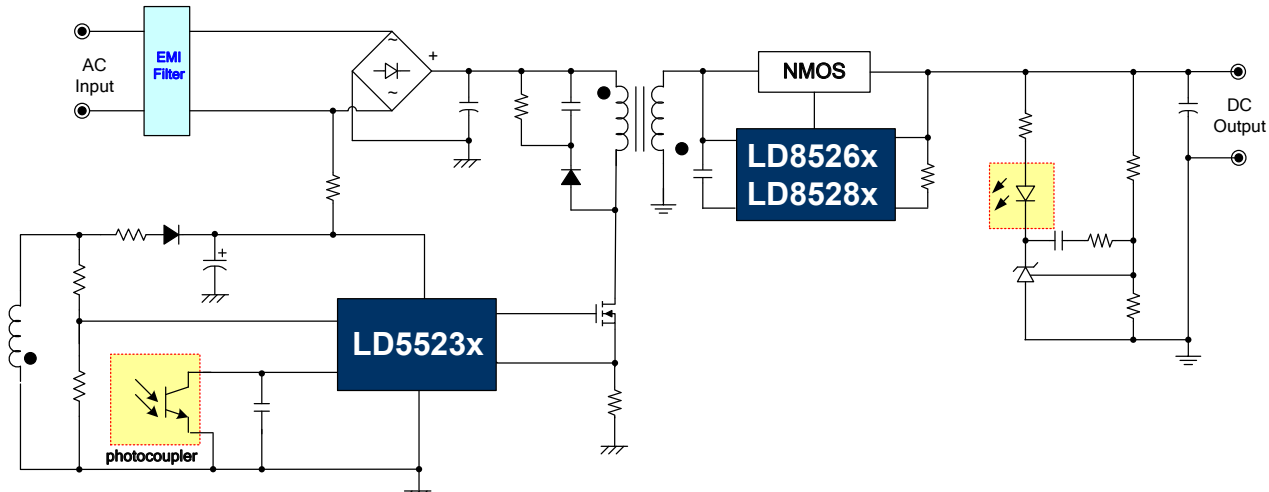
48W~75W adapter: SSR solution

- ◎ SPAK-6L package, less component
- ◎ External OTP on CS pin
- ◎ Built-in 650V MOSFET switch
- ◎ Multi-Mode (QR+CCM) controller
- ◎ 0.285mA Ultra-low operating current



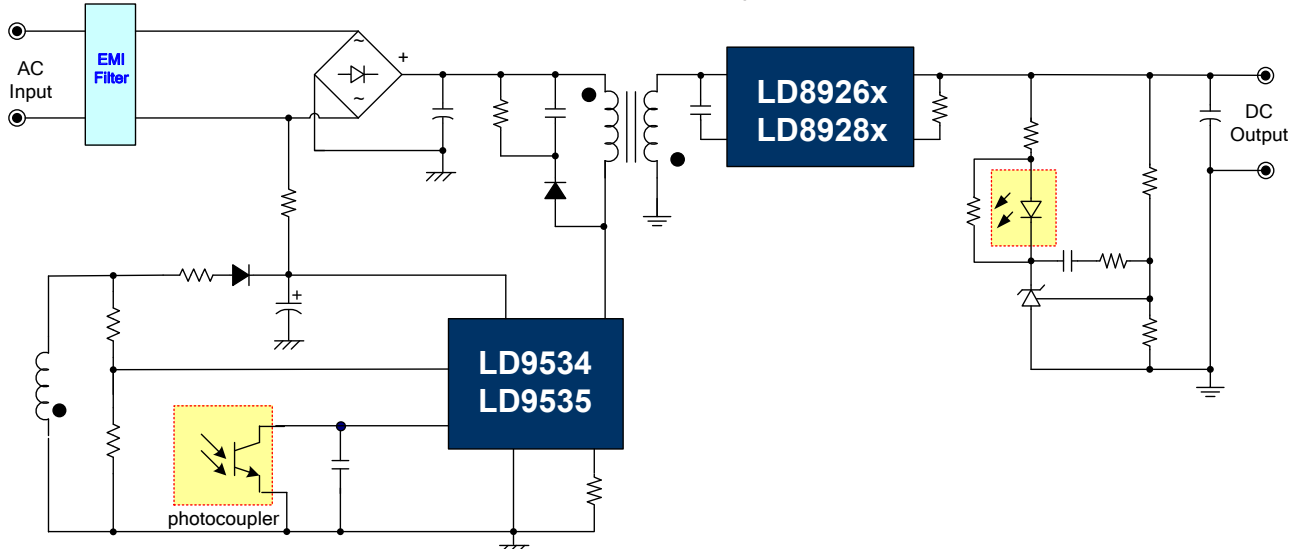
24W~65W adapter: SSR solution

- ◎ Output current =6A max
- ◎ Multi-Mode (QR+CCM) controller
- ◎ Adjustable BNI/BNO & Bulk OVP
- ◎ 0.285mA Ultra-low operating current



18W~24W adapter: SSR dual combo solution

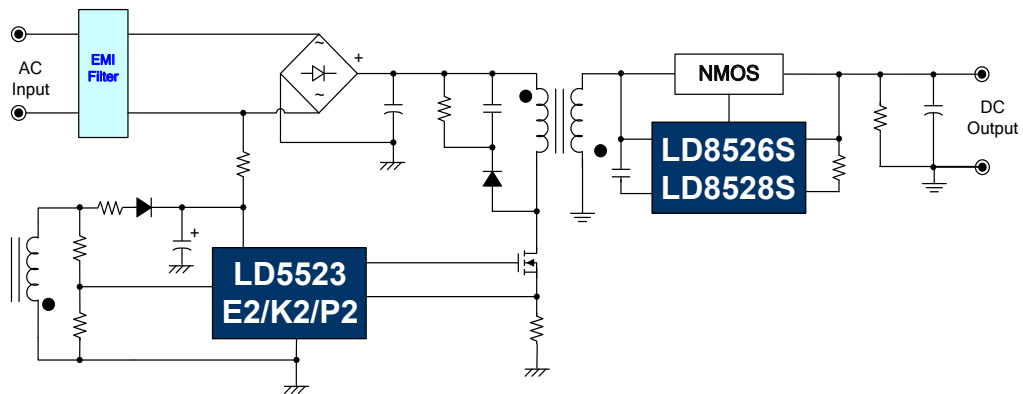
- ◎ Output current =3A max
- ◎ Multi-mode (QR+CCM) controller
- ◎ Built-in 700V MOSFET switch
- ◎ Adjustable BNI/BN0 & Bulk OVP



24W~45W adapter: PSR Solution

- ⊙ Output current =6A max
- ⊙ Multi-Mode (QR+CCM) controller

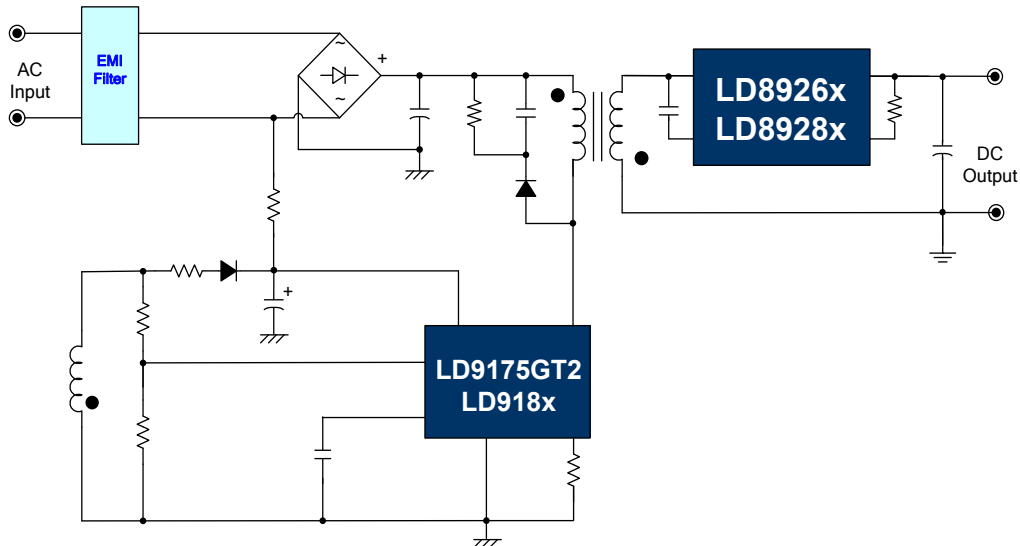
- ⊙ EMI-improved solution
- ⊙ Adjustable BNI/BNO & Bulk OVP



24W~45W adapter: PSR Solution

- ⊙ SPAK-6L package, less component
- ⊙ Multi-Mode (QR+CCM) controller

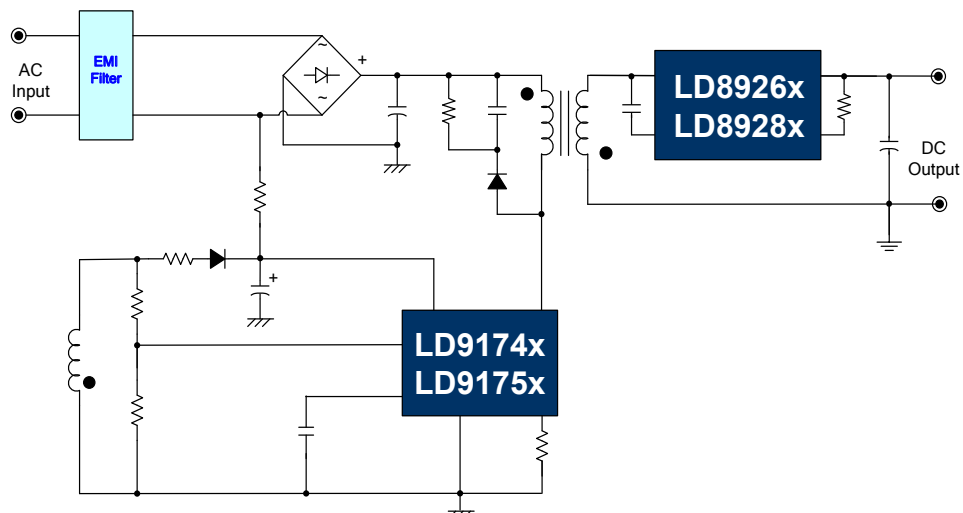
- ⊙ EMI-improved solution
- ⊙ Adjustable Brown in/out on FB pin



18W~24W adapter: PSR dual combo solution

- ⊙ Multi-Mode (QR+CCM) controller
- ⊙ Adjustable Brown in/out on FB pin

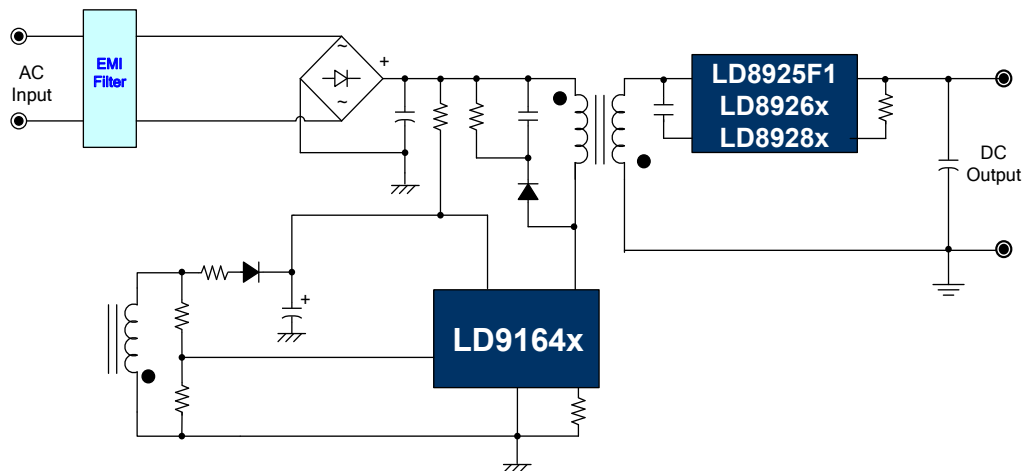
- ⊙ Simple design, less component counts
- ⊙ EMI-improved solution



12~18W adapter: PSR dual combo solution

- ◎ Primary side quasi-resonant controller
- ◎ CV/CC operation of Flyback

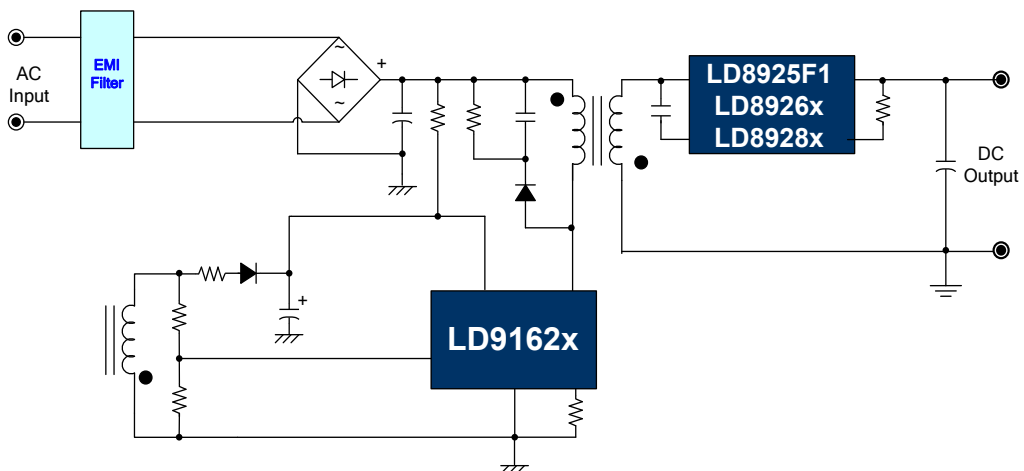
- ◎ Up to 90kHz switching frequency
- ◎ Simple design, less component counts



7.5~12W adapter: PSR dual combo solution

- ◎ Primary side quasi-resonant controller
- ◎ CV/CC operation of Flyback

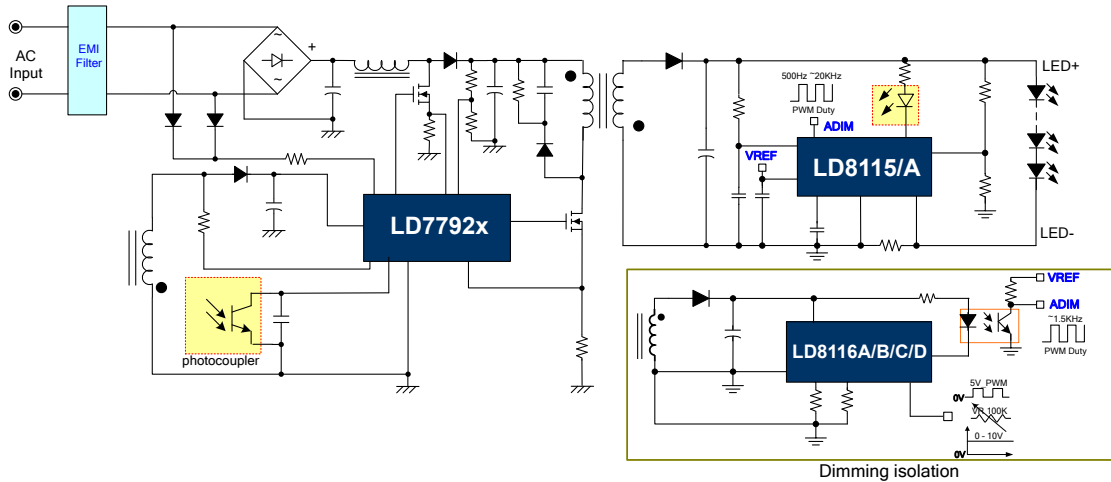
- ◎ Up to 90kHz switching frequency
- ◎ Simple design, less component counts



LED Lighting Total Solutions

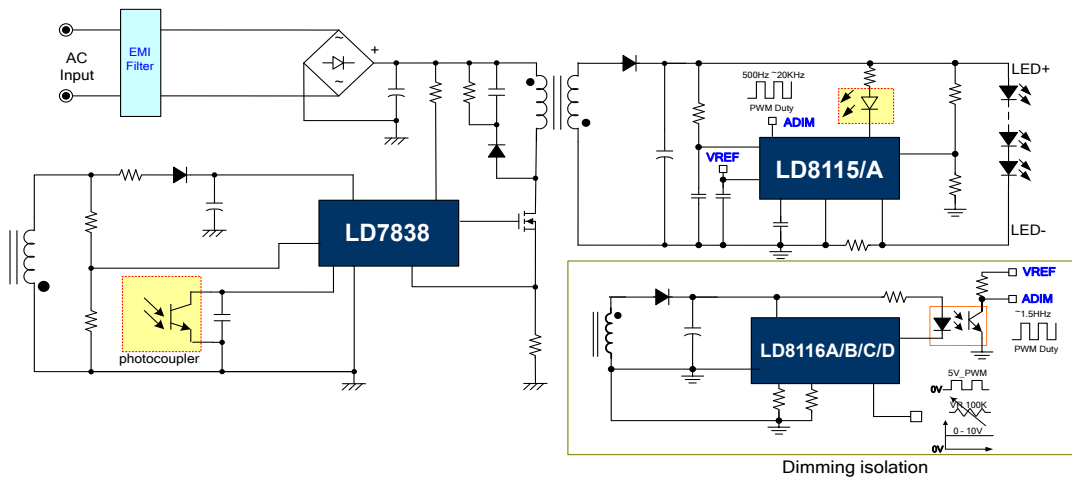
60~150W LED lighting application: Two Stage, Low THDi, High PF, Flick free, 3in 1 Dimmable LED power module

- Fast Start-up ($T_s < 0.5s$)
- Active PFC integrated (PF > 0.90 and THDi < 10%)
- High Efficiency (>90%)
- 0-10V/VR/PWM Dimming Control



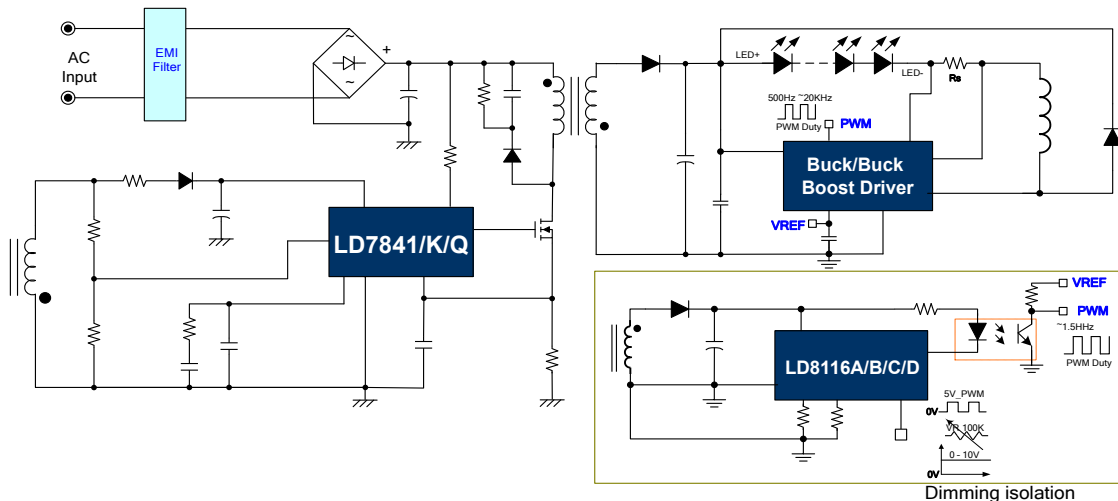
25~90W LED lighting application: Single Stage, Low THDi, High PF, 3 in 1 Dimmable LED power module

- Fast Start-up ($T_s < 0.5s$)
- Active PFC integrated (PF > 0.90 and THDi < 10%)
- High Efficiency (> 90%)
- 0-10V/VR/PWM Dimming Control



25~90W LED lighting application: Two Stage, Low THDi, High PF, Flick free, 3 in 1 Dimmable LED power module

- Fast Start-up ($T_s < 0.5s$)
- Active PFC integrated (PF > 0.90 and THDi < 10%)
- High Efficiency (> 89%)
- 0-10V/VR/PWM Dimming Control



Primary Side Regulator Controller

Part No.	Power Switch	UVLO On/Off (V)	Control Topology	Protection				Power(W)	Operating Max Frequency (kHz)	Operating Green Mode Frequency (kHz)	Operating Min Frequency (kHz)	Package	Application
				Bulk OVP	VCC OVP	FB OVP	FB Open/Short						
LD5523A2	MOS	16.5 / 7.0	QR+CCM	-	Latch	Latch	Latch	>18	75	25	0.35	SOT-26	Networking
LD5523E2	MOS	16.5 / 7.0	QR+CCM	-	Auto	Auto	Auto	>18	75	25	0.35	SOT-26	Networking
LD5523K2	MOS	16.5 / 7.0	QR+CCM	Auto	Auto	Auto	Auto	>18	75	25	0.35	SOT-26	Networking

Primary Side Regulator Controller(MOS Combo)

Part No.	UVLO On/Off (V)	Control Topology	Operating Max Frequency (kHz)	Operating Green Mode Frequency (kHz)	Operating Min Frequency (kHz)	Power(W)	Protection		MOS Integrated Specification			Package	Application
							BNO/BNI	Bulk OVP	Voltage Rating BVDSS(V)	Current Rating ID(A)	Ron,typ (Ω)		
LD9162C	16.0 / 7.0	CC/CV+QR	75	25	0.7	~10	-	-	650	2	4.5	SOP-8	Charger, Networking
LD9162K	16.0 / 6.5	QR+DCM	80	25	1.5	~10	-	-	650	2	4.5	SOP-8	Networking
LD9164C	16.0 / 7.0	CC/CV+QR	90	25	0.35	~12	-	-	650	4	2.4	SOP-8/DIP-8	Charger, Networking
LD9164K2	16.0 / 6.5	QR+DCM	80	25	0.35	~18	Yes	-	650	4	2.2	SOP-8	Networking
LD9174	16.5 / 7.0	QR+CCM	75	25	0.35	~18	-	-	650	4	1.4	SOP-7/SOP-8	Networking
LD9174K	16.5 / 7.0	QR+CCM	75	25	0.35	~18	Yes	Yes	650	4	2.5	DIP-8	Networking
LD9174N	16.5 / 7.0	QR+CCM	75	25	0.535	~18	-	-	650	4	1.4	SOP-8	Networking
LD9175	16.5 / 7.0	QR+CCM	75	25	0.35	~24	Yes	-	650	4	1.4	SOP-7/SOP-8/DIP-8	Networking
LD9175GT2	16.5 / 7.0	QR+CCM	75	25	0.35	~36	Yes	-	650	4	1.4	SPAK-6L	Networking
LD9185B	16.5 / 7.0	QR+CCM	130	34	0.35	~36 (H/S)	Yes	-	650	4	1.4	DIP-8/DIP-7	TV, Monitor

Isolated Green Mode

Part No.	Start-Up (μA)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection					LEB (ns)	Package	Application
					OCP	OVP	OLP	Ext. OTP	BNO			
LD5523	1	7.0	350/-355	65	Auto	Latch	Auto	Latch	Yes	275	SOT-26	Networking, Adaptor
LD5523B	1	7.0	350/-355	100	Auto	Auto	Auto	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5523C	1	7.0	350/-355	100	Latch	Latch	Latch	Latch	Yes	275	SOT-26	Networking, Adaptor
LD5523D	1	7.0	350/-355	65	Auto	Auto	Auto	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5523E	1	7.0	350/-355	65	Auto	Auto	Auto	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5523E1	1	7.0	350/-355	65	Auto	Auto	Auto	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5523H	1	7.0	350/-355	65	Auto	Latch	Latch	Latch	Yes	275	SOT-26	Networking, Adaptor
LD5523K	1	7.0	350/-355	65	Auto	Auto	Auto	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5523L	1	7.0	380/-450	65/130	Latch	Latch	Latch	Latch	Yes	275	SOT-26	Networking, Adaptor
LD5523L1	1	7.0	380/-450	65/130	Latch	Latch	Latch	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5523M1	1	6.3	190/-150	65/130	Latch	Latch	Latch	Latch	Yes	400	SOT-26	PD/QC, Adaptor
LD5523N	1	7.0	350/-355	65	Auto	Auto	Auto	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5523P	1	7.0	380/-450	65/130	Auto	Latch	Auto	Latch	Yes	275	SOP-8	Networking, Adaptor
LD5523Q	1	7.0	380/-450	65/130	Auto	Auto	Auto	Auto	Yes	275	SOP-8	Networking, Adaptor
LD5526N1	1	7.0	120/-250	65	-	Auto	Auto	Auto	Yes	275	SOT-26	Networking, Adaptor
LD5530R ⁽³⁾	1	7.5	250/-500	65	Auto	Auto	Auto	Latch	-	300	SOT-26	Networking, Adaptor
LD5535A1	1	7.5	255/-500	65	Auto	Auto	Auto	Latch	-	200	SOT-26	TV, Monitor
LD5535E1	1	7.5	255/-500	65	Auto	Auto	Auto	Auto	-	200	SOT-26	TV, Monitor
LD5536R	1	7.5	250/-500	130	Auto	Auto	Auto	Latch	-	200	SOT-26	Monitor
LD5537B1	1	7.0	350/-355	100	Auto	Auto	Auto	-	Yes	200	SOT-26	TV, Monitor
LD5537E1	1	7.0	380/-450	65	Auto	Auto	Auto	-	Yes	200	SOT-26	TV, Monitor
LD5537G1	1	7.0	250/-500	65/130	Auto	Auto	Auto	-	Yes	200	SOT-26	Monitor
LD5537H1	1	7.0	350/-355	65	Latch	Latch	Latch	-	Yes	200	SOT-26	Monitor
LD5537I1	1	7.0	350/-355	100	Latch	Latch	Latch	-	Yes	200	SOT-26	Monitor
LD5538	1	7.5	300/-500	65/130	Auto	Latch	Auto	Latch	-	220	SOT-26	Networking, Adaptor

⁽³⁾ 建議選擇新品LD5523、LD5535A1分別替換LD5525、LD5530R (It is recommended to select the newer generation LD5523, LD5535A1 to substitute for the LD5525, LD5530R respectively)

Selection Guide

Isolated Green Mode												
Part No.	Start-Up (μA)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection					LEB (ns)	Package	Application
					OCp	OVP	OLP	Ext. OTP	BNO			
LD5555A	1	7.5	250/-500	65	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555E	1	7.5	250/-500	65	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5555H	1	7.5	250/-500	65	Latch	Latch	Latch	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555K	1	7.5	250/-500	80	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5555M	1	7.5	250/-500	130/65	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555P	1	7.5	250/-500	65/130	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555P-1	1	7.5	250/-500	65/130	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555L-1	1	7.5	250/-500	65/130	Latch	Latch	Latch	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555R-1	1	7.5	250/-500	65/130	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5555Q	1	7.5	250/-500	65/130	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5555S	1	7.5	250/-500	65/130	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5556A	1	7.5	250/-500	200	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5556E	1	7.5	250/-500	200	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5556H	1	7.5	250/-500	200	Latch	Latch	Latch	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555K1	1	7.5	250/-500	80	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5555J1	1	7.5	250/-500	80	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5555M1	1	7.5	250/-500	130/65	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5556A1	1	7.5	250/-500	200	Auto	Latch	Auto	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD5556E1	1	7.5	250/-500	200	Auto	Auto	Auto	Auto	Yes	310	SOT-26	PD/QC,Adaptor
LD5556H1	1	7.5	250/-500	200	Latch	Latch	Latch	Latch	Yes	310	SOT-26	PD/QC,Adaptor
LD7531	20	10.0	300	65	Auto	Auto	Auto	-	-	190	SOT-26	Networking,Adaptor
LD7536E	20	8.5	300	65	Auto	Auto	Auto	Auto	-	230	SOT-26	Networking,Adaptor
LD7536R	20	8.5	300	65	Auto	Auto	Auto	Latch	-	230	SOT-26	Networking,Adaptor
LD7536S	20	8.5	300	65	Auto	Auto	Auto	Latch	-	230	SOT-26	Networking,Adaptor
LD7537R	20	8.5	300	65	Auto	Auto	Auto	-	Yes	230	SOT-26	Networking,Adaptor
LD7538R	14	7.5	250/-500	65	Auto	Auto	Auto	Latch	-	230	SOT-26	Networking,Adaptor

Isolated Green Mode(MOS Combo)														
Part No.	Start-Up (μA)	UVLO OFF (V)	Switching Freq.(kHz)	Protection					LEB (ns)	MOS Integrated Specification			Package	Application
				OCp	OVP	OLP	Ext. OTP	BNO		Voltage Rating BVDSS(V)	Current Rating ID(A)	Ron,typ (Ω)		
LD9534	1	7.5	65	Auto	Auto	Auto	-	Yes	450	650	4	2.15	DIP-8	Networking,Adaptor
LD9535	1	7.5	65	Auto	Auto	Auto	-	Yes	450	650	4	1.2	DIP-8	Networking,Adaptor
LD9535C	1	6.0	65	Auto	Auto	Auto	-	Yes	450	650	4	1.2	SOP-8/DIP-8	Networking,Adaptor, PD/QC
LD9535K	1	7.0	65	Auto	Auto	Auto	-	Yes	450	650	4	1.4	DIP-8	Networking,Adaptor, PD/QC
LD952AGT2	1	7.0	150/80	-	Auto	Auto	Auto	Yes	275	650	11	0.34	SPAK-6L	Networking,Adaptor

Isolated High Volt. Green Mode												
Part No.	HV Current Source for VCC Startup (mA)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection					LEB (ns)	Package	Application
					OCp	OVP	OLP	Ext. OTP	BNO			
LD5760 ⁽⁴⁾	2.8	7	300/-800	65	Auto	Auto	Auto	Latch	Yes	300	SOP-7/8	Adaptor
LD5760A ⁽⁴⁾	2.8	7	300/-800	65	Auto	Latch	Auto	Latch	Yes	300	SOP-7/8	Adaptor
LD5760E ⁽⁴⁾	2.8	7	300/-800	65	Auto	Auto	Auto	Auto	Yes	300	SOP-7/8	Adaptor
LD5760H ⁽⁴⁾	2.8	7	300/-800	65	Latch	Latch	Latch	Latch	Yes	300	SOP-7/8	Adaptor
LD5760T ⁽⁴⁾	2.8	7	300/-800	130	Auto	Auto	Auto	-	Yes	300	SOP-7/8	Monitor, Adaptor
LD5762A ⁽⁴⁾	2.8	6	300/-800	65	Auto	Latch	Auto	Latch	Yes	300	SOP-7/8	Printer
LD5762E ⁽⁴⁾	2.8	6	300/-800	65	Auto	Auto	Auto	Auto	Yes	300	SOP-7/8	Printer
LD5762E1 ⁽⁴⁾	3	6	70/-750	65	Auto	Auto	Auto	Auto	Yes	300	SOP-7/8	Adaptor
LD5762H ⁽⁴⁾	2.8	6	300/-800	65	Latch	Latch	Latch	Latch	Yes	300	SOP-7/8	Printer
LD5762L1 ⁽⁴⁾	2.8	6	300/-800	65/130	Latch	Latch	Latch	Latch	Yes	300	SOP-7/8	Adaptor
LD5762M ⁽⁴⁾	2.8	6	300/-800	65	Auto	Latch	Auto	Auto	Yes	300	SOP-7	Printer
LD5762P ⁽⁴⁾	2.8	6	300/-800	65/130	Latch	Latch	Latch	Latch	Yes	300	SOP-7/8	Printer
LD5762P1 ⁽⁴⁾	3	6	70/-750	65/130	Latch	Latch	Latch	Latch	Yes	300	SOP-7/8	Adaptor
LD5762Q ⁽⁴⁾	2.8	6	300/-800	65/130	Auto	Auto	Auto	Auto	Yes	300	SOP-7/8	Printer
LD5762Q1 ⁽⁴⁾	2.8	6	300/-800	65/130	Auto	Auto	Auto	Auto	Yes	300	SOP-7/8	Printer
LD5762S ⁽⁴⁾	2.8	6	300/-800	65/130	Latch	Latch	Latch	Latch	Yes	380	SOP-7/8	Printer
LD5762W	2.8	6	300/-800	65	Auto	Auto	Auto	Auto	Yes	300	SOP-7/8	Printer

⁽⁴⁾ 這些產品具備X電容放電功能並通過安規認證 (These products include X-capacitor discharge function with a CB certificate.)

Isolated High Volt. Green Mode

Part No.	HV Current Source for VCC Startup (mA)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection					LEB (ns)	Package	Application
					OC	OVP	OLP	Ext. OTP	BNO			
LD5763C3 ⁽⁴⁾	3	8.5	250/-500	65	Auto	Latch	Auto	Latch	Yes	310	SOP-7/8	PD/QC,Adaptor
LD5763D1 ⁽⁴⁾	3	8.5	250/-500	65	Latch	Latch	Latch	Latch	Yes	310	SOP-7/8	PD/QC,Adaptor
LD5763D3 ⁽⁴⁾	3	8.5	250/-500	65	Latch	Latch	Latch	Latch	Yes	310	SOP-7/8	PD/QC,Adaptor
LD5763E1 ⁽⁴⁾	3	8.5	250/-500	65	Auto	Auto	Auto	Auto	Yes	310	SOP-7/8	PD/QC,Adaptor
LD5763GS-U1 ⁽⁴⁾	3	8.5	250/-500	65	Auto	Latch	Auto	Latch	Yes	310	SOP-7/8	PD/QC,Adaptor
LD5763GS-U3 ⁽⁴⁾	3	8.5	250/-500	60	Auto	Latch	Auto	Latch	Yes	310	SOP-7/8	PD/QC,Adaptor
LD5763K3 ⁽⁴⁾	3	8.5	250/-500	80	Auto	Auto	Auto	Auto	Yes	310	SOP-8	PD/QC,Adaptor
LD5763P3 ⁽⁴⁾	3	8.5	250/-500	65/130	Auto	Latch	Auto	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD5763R1 ⁽⁴⁾	3	8.5	250/-500	65	Auto	Auto	Auto	Latch	Yes	310	SOP-7/8	PD/QC,Adaptor
LD5763A5 ⁽⁴⁾	3	8.5	250/-500	65	Auto	Latch	Auto	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD5763E5 ⁽⁴⁾	3	8.5	250/-500	65	Auto	Auto	Auto	Auto	Yes	310	SOP-8	PD/QC,Adaptor
LD5763H5 ⁽⁴⁾	3	8.5	250/-500	65	Latch	Latch	Latch	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD5763J5 ⁽⁴⁾	3	8.5	250/-500	65/130	Latch	Latch	Latch	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD5763F5 ⁽⁴⁾	3	8.5	250/-500	65/130	Latch	Latch	Latch	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD5763C5 ⁽⁴⁾	3	8.5	250/-500	65/130	Latch	Latch	Latch	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD5763D5 ⁽⁴⁾	3	8.5	250/-500	65/130	Latch	Latch	Latch	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD5763K5 ⁽⁴⁾	3	8.5	250/-500	80	Auto	Auto	Auto	Auto	Yes	310	SOP-8	PD/QC,Adaptor
LD5766E1 ⁽⁴⁾	3	8.5	250/-500	227	Auto	Latch	Auto	Latch	Yes	310	SOP-8	PD/QC,Adaptor
LD7576A	1	10	500	65	Auto	Auto	Auto	-	-	230	SOP-7/8	Monitor,Adaptor
LD7750E	1	10	500	65	Auto	Auto	Auto	Auto	-	250	SOP-7/8	Monitor,Adaptor
LD7751	1	9	500	65	Auto	Auto	Auto	-	-	250	SOP-7/8	Monitor,Adaptor
LD7752	1.3	8	250/-500	65	Auto	Auto	Auto	-	-	250	SOP-7/8	Monitor,Adaptor
LD7752B	1.3	8	250/-500	100	Auto	Auto	Auto	-	-	250	SOP-7/8	Monitor,Adaptor

Isolated High Volt. Green Mode(MOS/GaN Combo)

Part No.	HV Current Source for VCC Startup (mA)	UVLO OFF (V)	Switching Freq.(kHz)	Freq. Swapping	Protection					Ton,min (ns)	MOS/GaN Integrated Specification			Package	Application
					OC	OVP	OLP	Ext OTP	BNO		Voltage Rating BVDSS(V)	Current Rating ID(A)	Ron,typ (Ω)		
LD961A ⁽⁴⁾	2.8	7	65	Yes	Auto	Auto	Auto	-	Yes	520	650	10	0.5	SPA6-6L	TV, Monitor
LD955KK1	3	8.5	80	Yes	Auto	Latch	Auto	-	Yes	250	650	4	0.365	DFN 5*6	PD/QC,Adaptor
LD956KA1	3	8.5	220	Yes	Auto	Latch	Auto	-	Yes	250	650	4	0.365	DFN 5*6	PD/QC,Adaptor
LD957KK1	3	8.5	220/80	Yes	Auto	Latch	Auto	-	Yes	250	650	4	0.365	DFN 5*6	PD/QC,Adaptor
LD966LA1 ⁽⁴⁾	3	8.5	227	Yes	Auto	Latch	Auto	Latch	Yes	250	650	10	0.165	QFN 8*8-26 EP	PD/QC,Adaptor
LD966LH1 ⁽⁴⁾	3	8.5	227	Yes	Latch	Latch	Latch	Latch	Yes	250	650	10	0.165	QFN 8*8-26 EP	PD/QC,Adaptor
LD967LA1 ⁽⁴⁾	3	8.5	227	Yes	Auto	Latch	Auto	Latch	Yes	250	650	6.5	0.23	QFN 8*8-26 EP	PD/QC,Adaptor
LD967MA1 ⁽⁴⁾	3	8.5	227	Yes	Auto	Latch	Auto	Latch	Yes	250	650	10	0.15	QFN 8*8-26 EP	PD/QC,Adaptor
LD967LH1 ⁽⁴⁾	3	8.5	227	Yes	Latch	Latch	Latch	Latch	Yes	250	650	6.5	0.23	QFN 8*8-26 EP	PD/QC,Adaptor
LD968LA1 ⁽⁴⁾	3	7	227	Yes	Auto	Latch	Auto	Latch	Yes	310	650	8	0.165	LSOP-9-EP	PD/QC,Adaptor
LD968LK1 ⁽⁴⁾	3	7	100	Yes	Auto	Latch	Auto	Latch	Yes	310	650	8	0.165	LSOP-9-EP	PD/QC,Adaptor
LD968LE1 ⁽⁴⁾	3	7	227	Yes	Auto	Auto	Auto	Auto	Yes	310	650	8	0.165	LSOP-9-EP	PD/QC,Adaptor
LD968LP1 ⁽⁴⁾	3	7	227	Yes	Auto	Latch	Auto	Latch	Yes	310	650	8	0.165	LSOP-9-EP	PD/QC,Adaptor
LD968LQ1 ⁽⁴⁾	3	7	227	Yes	Auto	Auto	Auto	Auto	Yes	310	650	8	0.165	LSOP-9-EP	PD/QC,Adaptor
LD968LH2 ⁽⁴⁾	3	8.5	227	Yes	Latch	Latch	Latch	Latch	Yes	310	650	8	0.165	QFN 8*8-26 EP	PD/QC,Adaptor
LD968KK1 ⁽⁴⁾	3	7	100	Yes	Auto	Latch	Auto	Latch	Yes	310	650	5	0.365	LSOP-9-EP	PD/QC,Adaptor
LD969JK1 ⁽⁴⁾	3	7	227	Yes	Auto	Latch	Auto	Latch	Yes	310	700	3.6	0.48	LSOP-9-EP	PD/QC,Adaptor
LD969LK1 ⁽⁴⁾	3	7	227	Yes	Auto	Latch	Auto	Latch	Yes	310	700	6.5	0.24	LSOP-9-EP	PD/QC,Adaptor
LD969JL1 ⁽⁴⁾	3	7	130	Yes	Latch	Latch	Latch	Latch	Yes	310	700	3.6	0.425 (max)	LSOP-9-EP	PD/QC,Adaptor

⁽⁴⁾ 這些產品具備X電容放電功能並通過安規認證(These products include X-capacitor discharge function with a CB certificate.)

Selection Guide

PFC with QR Controller ⁽⁴⁾												
Part No.	HV Current Source for VCC Startup (mA)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection					LEB (ns)	Package	Application
					OCP	OVP	OLP	Ext. OTP	BNO			
LD7790	3	8	500/-1200	250/85	Auto	Auto	Auto	Latch	Yes	250/350	SOP-16	TV, Monitor, Adaptor
LD7791	3	8	500/-1200	250/85	Auto	Auto	Auto	Latch	Yes	250/350	SOP-16	TV, Monitor, Adaptor
LD7791A	3	8	500/-1200	250/85	Auto	Latch	Auto	Latch	Yes	250/350	SOP-16	TV, Monitor, Adaptor
LD7791B	3	8	500/-1200	250/85	Latch	Latch	Latch	Latch	Yes	250/350	SOP-16	TV, Monitor, Adaptor
LD7791C	3	8	500/-1200	250/85	Auto	Latch	Auto	Auto	Yes	250/350	SOP-16	TV, Monitor, Adaptor
LD7792	3	8	500/-1200	350/100	Auto	Auto	Auto	Latch	Yes	250/350	SOP-16	TV, Monitor, Adaptor
LD7792E	3	8	500/-1200	350/100	Auto	Auto	Auto	Latch	Yes	250/350	SOP-16	TV, Monitor, Adaptor
LD7793B	3	8	500/-1000 (PFC) 700/-1000 (Flyback)	350/100	Auto	Auto	Auto	Auto	Yes	300/350	SOP-16	TV, Monitor, Adaptor
LD7793I	3	8	500/-1000 (PFC) 700/-1000 (Flyback)	350/100	Latch	Latch	Latch	Latch	Yes	300/350	SOP-16	TV, Monitor, Adaptor
LD7793O	3	8	500/-1000 (PFC) 700/-1000 (Flyback)	350/100	Auto	Auto	Auto	Latch	Yes	300/350	SOP-16	TV, Monitor, Adaptor
LD7797BD	3	8	15/-150 (PFC) 15/-150 (Flyback)	400/200	Auto	Latch	Auto	Latch	Yes	300/275	SOP-16	PD, Adaptor
LD7797OG	3	8	15/-150 (PFC) 15/-150 (Flyback)	400/200	Auto	Latch	Auto	Latch	Yes	300/275	SOP-16	PD, Adaptor
LD7798OD	3	8	550/-1000 (PFC) 350/-1000 (Flyback)	400/130	Auto	Latch	Auto	Latch	Yes	300/275	SOP-16	PD, Adaptor
LD7798IG	3	8	550/-1000 (PFC) 350/-1000 (Flyback)	400/130	Latch	Latch	Latch	Latch	Yes	550/275	SOP-16	PD, Adaptor
LD7798KD	3	8	550/-1000 (PFC) 350/-1000 (Flyback)	400/130	Auto	Latch	Auto	Latch	Yes	400/275	SOP-16	PD, Adaptor

⁽⁴⁾ 這些產品具備X電容放電功能並通過安規認證(These products include X-capacitor discharge function with a CB certificate.)

AHB Controller												
Part No.	HV Current Source for VCC Startup (mA)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection					HWC	Package	Application
					OCP	OVP	OLP	Ext. OTP	BNO			
LD5780	3	10.1	10/-25	300	Auto	Auto	Auto	Auto	Yes	Yes	SOP-16	PD, Adaptor
LD7710	3	10.1	500/-2000	300	/Latch Auto /l latch	/Latch Auto /l latch	/Latch Auto /l latch	/Latch Auto /l latch	Yes	Yes	SOP-16	PD, Adaptor

Transition Mode PFC Controller												
Part No.	Start-Up (μA)	UVLO ON (V)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection				LEB (ns)	Package	Application
						OLP	OTP	BNO	OVP			
LD7591	30	12.0	8.5	800	Variable	-	Inter.(Auto)	-	Auto	250	SOP-8/ DIP-8	TV, Monitor
LD7591T	30	12.0	8.5	800	Variable	-	Inter.(Auto)	-	Auto	250	SOP-8/ DIP-8	TV, Monitor
LD7592	1	12.0	7.5	900	Variable	-	Inter.(Auto)	-	Auto	350	SOP-8/ DIP-8	TV, Monitor
LD7593AA/AB	1	16.0	8.5	700	Variable	-	Inter.(Auto)	-	Auto	350	SOT-26	TV, Monitor
LD7597	1	12.0	7.5	+500/-800	Variable	-	Inter.(Auto)	Auto	Auto	300	SOP-8	LED Lighting
LD7597A	1	12.0	7.5	+500/-800	Variable	-	Inter.(Auto)	Auto	Auto	300	SOP-8	Lighting, Charger
LD7597B	1	12.0	7.5	+500/-800	Variable	-	Inter.(Auto)	Auto	Auto	300	SOP-8	Lighting, Charger
LD7593DA	1	12.0	8.5	700	Variable	-	Inter.(Auto)	-	Auto	350	SOP-8	TV, Monitor

PFC with LLC Controller ⁽⁴⁾														
Part No.	HV Current Source for VCC Startup (mA)	UVLO ON (V)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection						HWC	Package	Application
						OCP	OVP & UVP	OLP	Ext. OTP	BNO	Ext. PRO			
LD7771	1.5	25	13.4	1000/-1500	300/300	Auto /Latch	Auto/Latch & Auto/Latch	Auto /Latch	NA	Yes	Auto /Latch	Yes	SOP-16	TV, Monitor, Adaptor, Networking
LD7771T	1.5	25	13.4	1000/-1500	300/300	Auto /Latch	Auto/Latch & NA	Auto /Latch	NA	Yes	Auto /Latch	Yes	TSSOP-20, SOP-20	TV, Monitor, Adaptor, Networking
LD7771F	1.5	25	13.4	1000/-1500	300/300	Auto /Latch	Auto/Latch & NA	Auto /Latch	Latch/ Stop Switching	Yes	Auto /Latch	Yes	TSSOP-20, SOP-20	TV, Monitor, Adaptor, Networking

⁽⁴⁾ 這些產品具備X電容放電功能並通過安規認證(These products include X-capacitor discharge function with a CB certificate.)

Interleaved Transition Mode PFC Controller												
Part No.	Start-Up (μA)	UVLO ON (V)	UVLO OFF (V)	Driving Cap. (mA)	Switching Freq.(kHz)	Protection				HWC	Package	Application
						OLP	OTP	BNO	OVP			
LD7580R	35	12	8.5	+700/-1200	Variable	-	Inter.(Auto)	Auto	Auto	Yes	SOP-16	TV, Monitor

Synchronous Rectification Driver

Part No.	Application Operation mode	DET Rating (V)	UVLO OFF (V)	Driving Cap. (mA)	Protection					Self-Supplying Mode	Package	Application
					Green Mode	Dead Time Setting	Enable	OVP	OTP			
LD8520	CCM/DCM	6(SYN pin)	7.5	1000/-1500	Yes	Yes	Yes	Auto	Inter.(Auto)	-	SOT-26	Networking
LD8526	CCM/DCM	200	2.8	500/-3000	Yes	Yes	-	-	Inter.(Auto)	Yes	SOT-26	Networking, PD/QC
LD8526H	CCM/DCM	200	2.8	500/-3000	Yes	Yes	-	-	Inter.(Auto)	Yes	SOT-26	Networking, PD/QC
LD8526P	CCM/DCM	200	2.8	500/-3000	Yes	Yes	-	-	Inter.(Auto)	Yes	SOT-26	Networking, PD/QC
LD8526U	CCM/DCM	200	2.8	500/-3000	Yes	Yes	-	-	Inter.(Auto)	Yes	SOT-26	Networking, PD/QC
LD8526UP	CCM/DCM	200	2.8	500/-3000	Yes	Yes	-	-	Inter.(Auto)	Yes	SOT-26	Networking, PD/QC
LD8528	CCM/DCM	100	3.4	1000/-3000	-	Yes	-	-	-	Yes	SOT-26	Networking, PD/QC
LD8528D	CCM/DCM	120	3.4	1000/-3000	-	Yes	-	-	-	Yes	SOT-26	Networking, PD/QC
LD8528U1	CCM/DCM	120	3.4	1000/-3000	-	Yes	-	-	-	Yes	SOT-26	Networking, PD/QC
LD8528S	CCM/DCM	120	3.4	1000/-3000	-	Yes	-	-	-	Yes	SOT-26	Networking, PD/QC
LD8528U3	CCM/DCM	180	3.4	1000/-3000	-	Yes	-	-	-	Yes	SOT-26	Networking, PD/QC
LD8529	CCM/DCM	180	3.4	1000/-3000	-	Yes	-	-	-	Yes	SOT-26	Networking, PD/QC
LD8529U	CCM/DCM	180	3.4	1000/-3000	-	Yes	-	-	-	Yes	SOT-26	Networking, PD/QC
LD8530	CCM/DCM	180	3.8	300/-3000	Yes	Yes	Yes	-	-	-	SOP-8	TV, Monitor, Adaptor, Server Power

Synchronous Rectification Driver(MOS Combo)

Part No.	Application Operation mode	DET Rating (V)	UVLO OFF (V)	Protection		MOS Integrated Specification		Package	Application
				Green Mode	Dead Time Setting	Voltage Rating (V)	On-State Resistance(mΩ)		
LD8926A61	DCM/CCM	200	2.8	Yes	Yes	60	9	SOP-8	Networking, PD/QC
LD8926AA1	DCM/CCM	200	2.8	Yes	Yes	100	12	SOP-8	Networking, PD/QC
LD8926AA12	DCM/CCM	200	2.8	Yes	Yes	100	22	SOP-8/DIP-7	Networking, PD/QC
LD8926AA13	DCM/CCM	200	2.8	Yes	Yes	100	12	SOP-8/DIP-8/WSOP-8	Networking, PD/QC
LD8926AA14	DCM/CCM	200	2.8	Yes	Yes	100	8	SOP-8/DIP-8/WSOP-8	Networking, PD/QC
LD8926AA22	DCM/CCM	200	2.8	-	Yes	100	22	SOP-8	Networking, PD/QC
LD8926AA23	DCM/CCM	200	2.8	-	Yes	100	12	SOP-8	Networking, PD/QC
LD8928CA1	DCM/CCM	100	3.4	-	Yes	100	12	SOP-8	Networking, PD/QC
LD8928CA11	DCM/CCM	100	3.4	-	Yes	100	8	SOP-8	Networking, PD/QC
LD8928A61	DCM/CCM	100	3.4	-	Yes	60	9	SOP-8	Networking, PD/QC
LD8928AA1	DCM/CCM	100	3.4	-	Yes	100	12	SOP-8	Networking, PD/QC
LD8928AA12	DCM/CCM	100	3.4	-	Yes	100	22	SOP-8	Networking, PD/QC
LD8928A62	DCM/CCM	120	3.4	-	Yes	60	9	SOP-8	Networking, PD/QC
LD8928A82	DCM/CCM	120	3.4	-	Yes	80	9	SOP-8	Networking, PD/QC
LD8928AA22	DCM/CCM	100	3.4	-	Yes	100	22	SOP-8	Networking, PD/QC
LD8928AA23	DCM/CCM	120	3.4	-	Yes	100	12	SOP-8	Networking, PD/QC

USB Power Delivery Controller

Part No.	Function	MCU	External power path control	Power Profile	Power Role	Package	Application
LD6612	USB Power Delivery Controller Qualcomm® Quick Charge™ 4/4+ Controller	OTP	NFET	PD2.0, PD3.0, PPS, QC5, QC4, QC3, QC2	Source	SOP-10 / SOP-14 / QFN-16	USB-C PD Type-C Chargers/Adapters for Smart Phones, NBs, Tablets and All Other Electronics
LD6615	USB Power Delivery Controller for SMPS	OTP	NFET	PD2.0, PD3.0	Source	SOP-8 / MSOP-8	
LD6617	USB Power Delivery Controller for SMPS for 28 / 36V	OTP	NFET	PD2.0, PD3.0, PD3.1	Source	QFN16	
LD6618	USB Power Delivery Controller for SMPS for 48V	OTP	NFET	PD2.0, PD3.0, PD3.1	Source	QFN16 / QFN20	
LD6935	USB Power Delivery Controller for SMPS	OTP	Built in NFET	PD2.0, PD3.0	Source	SOP8 / WSOP-8	
LD6615x2	USB Power Delivery Controller for SMPS	OTP	NFET	PD2.0, PD3.0	Source	SOP-8 / SOP10	
LD6935x2	USB Power Delivery Controller for SMPS	OTP	Built in NFET	PD2.0, PD3.0	Source	SOP8 / WSOP8/SOP10	

Selection Guide

Active-PFC Primary Side Regulator Controller

Part No.	V _{IN}	Topology	Recommended Power Output (W)	Max. Frequency of Switching (kHz)	HV Start-up	Power Factor	System Accuracy(%)	Package	Application
LD7841/K	90V~277V AC	Single stage PFC + CV	< 90	90	Yes	> 0.92	+/-5	SOP-7/ SOP-8	LED lighting
LD7841Q	90V~277V AC	Single stage PFC + CV	<120W	130	Yes	> 0.92	+/-5%	SOP-7/ SOP-8	LED Lighting

Active-PFC Secondary Side Regulator Controller

Part No.	V _{IN}	Topology	Recommended Power Output (W)	Max. Frequency of Switching (kHz)	HV Start-up	Power Factor	System Accuracy(%)	Package	Application
LD7838	90V~277V AC	Flyback	< 90	300	Yes	> 0.92	+/-3	SOP-7/ SOP-8	LED lighting with dimming
LD7792N	90V~277V AC	PFC + Flyback	< 90	450/85	Yes	> 0.92	+/-3	SOP-16	LED lighting with dimming
LD7792O	90V~277V AC	PFC + Flyback	< 90	450/110	Yes	> 0.92	+/-3	SOP-16	LED lighting with dimming

3 in 1 Flexible Dimming Processor

Part No.	Input Voltage (V)	Topology	Transfer Ratio (%/V)	Output Frequency (kHz)	Cut Off Function	Package	Application
LD8116A	15~58	Analog-to-Digital Converter	11.4	1.5	Yes	SOT-26	LED lighting
LD8116B	15~58	Analog-to-Digital Converter	11.4	1.5	No	SOT-26	LED lighting
LD8116C	15~58	Analog-to-Digital Converter	10	1.5	Yes	SOT-26	LED lighting
LD8116D	15~58	Analog-to-Digital Converter	10	1.5	No	SOT-26	LED lighting

Secondary Side CC/CV Controller

Part No.	Input Voltage (V)	Topology	Dimmable	Tolerance of Current Sense (%)	Tolerance of Voltage sense(%)	Package	Application
LD8105	3~38	CC/CV Feedback	-	+/-3	+/-1	SOT-26	Charger, LED lighting
LD8106	3~38	CC/CV Feedback	-	+/-3	+/-1	SOT-26	Charger, LED lighting
LD8115	3~38	CC/CV Feedback	Yes	+/-2	+/-1	SOT-8	Charger, LED lighting
LD8115A	3~38	CC/CV Feedback	Yes	+/-2	+/-1	SOT-8	Charger, LED lighting

| Hsinchu

4F.-1, No.1, Taiyuan 2nd St., Zhubei City,
Hsinchu County 30288, Taiwan, R.O.C.
TEL : 886-3-554-3588 FAX : 886-3-554-0098

| Taipei

16F., No.156, Sec. 1, Zhongshan Rd., Banqiao Dist.,
New Taipei City 22065, Taiwan, R.O.C.
TEL : 886-2-8952-3588 FAX : 886-2-8953-2668

| Shenzhen

Rm10B, Benyuan building, The juncture of Shennan
Road and Tairan Nine Road, Southeast, Futian District,
Shenzhen Guangdong Province, China
TEL : 86-755-8287-3566 FAX : 86-755-8287-3533

MAIL / Sales@leadtrend.com.tw



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