

Efficiency, Safety, Simplicity

NXP's Smart Power Solutions


Selection Guide 2016



















































The products of NXP's innovative GreenChip power portfolio are aimed at enabling smarter and more energy efficient power solutions. The NXP Power Selection Guide provides you with a breakdown of our best-in-class AC to DC converters and available demoboards. Demo boards come with the right form factor and target specification to simplify the design-in process and the portfolio is supported by free online design tools.

For more information: www.nxp.com



Segment	 Computing	 Computing Peripherals	 Gaming	 Tablet	 (Smart) Phones	 Wireless Charging
Applications	PCPower All in One Notebook Netbook Ultrabook Convertible laptop	Printer Cable Modems Gateways & Routers	Portable Games Consoles Wired Games Consoles	Tablet Detachable laptop eBook reader	Smart Phones Other Mobile Phones Cordless Phones	Wireless Charging
<15W	 TEA1721ADB1059 (*) 5W/12V DCM Buck	 TEA1721ADB1102 (*) 5W/5V DCM Flyback	 TEA1721ADB1102 (*) 5W/5V DCM Flyback	 TEA1721ADB1102 5W/5V DCM Flyback	 TEA1721ADB1102 5W/5V DCM Flyback	
	TEA1720ADB1132 (*) 10.6W/5V DCM Flyback	TEA1720ADB1132 (*) 10.6W/5V DCM Flyback	TEA1720ADB1132 (*) 10.6W/5V DCM Flyback	TEA1720ADB1132 10.6W/5V DCM Flyback	TEA1720ADB1132 10.6W/5V DCM Flyback	
15 - 45W	 TEA1836DB1200 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback
	 TEA1832DB1253 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback	
45 - 75W	 TEA1836DB1094 65W/19.5V QR/DCM Flyback	 TEA1836DB1094 (*) 65W/19.5V QR/DCM Flyback		No applicable application area	No applicable application area	No applicable application area
75 - 120W	TEA1755DB1100 90W/19.5V QR/DCM PFC + QR/DCM Flyback		TEA1755DB1100 (*) 90W/19.5V QR/DCM PFC + QR/DCM Flyback		No applicable application area	No applicable application area
	 TEA1716DB1255 90W/19.5V QR/DCM PFC + LLC					
> 120W	 TEA1716DB1266 240W/(12V&24V) QR/DCM PFC + LLC		 TEA1716DB1266 240W/(12V&24V) QR/DCM PFC + LLC		No applicable application area	No applicable application area
	 TEA1716DB1258 150W/19.5V QR/DCM PFC + LLC			 TEA1716DB1258 150W/19.5V QR/DCM PFC + LLC		
Companion IC	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge
	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout
	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout

Segment	 Display	 Consumer	 Home Appliance	 Industrial	 Medical	 General Purpose
Applications	Flat Panel TVs LCD Monitors	Set-Top Boxes Digital Radios Portable Media Players Portable DVD Players Digital Cameras Digital Camcorders Wireless Headsets	Handheld Vacuum Cleaners Robotic Vacuum Cleaners White Goods eMetering Small Home Appliance	IP Video Surveillance Cameras Cordless Power Tools Industrial Chargers/Adapters PoE	IP Observation Monitors Medical Chargers/Adapters PoE	Personal Care Street Lighting Aux. Supply Base Station Aux. Telecom Power Others
<15W	 TEA1721ADB1061 5W/(3.3V&12V) DCM Flyback	 TEA1721ADB1102 (*) 5W/1A DCM Flyback	 TEA1721ADB1059 (*) 5W/12V DCM Buck	TEA1721ADB1102 (*) 5W/1A DCM Flyback	TEA1721ADB1102 (*) 5W/1A DCM Flyback	TEA1721ADB1059 5W/12V DCM Buck
	TEA1720ADB1132 (*) 10.6W/5V DCM Flyback	TEA1720ADB1132 (*) 10.6W/5V DCM Flyback	 TEA1721ADB1062 5W/(3.3V&5V&24V) DCM FB	 TEA1721ADB1062 5W/(3.3V&5V&24V) DCM FB	 TEA1721ADB1062 5W/(3.3V&5V&24V) DCM FB	TEA1721ADB1061 5W/(3.3V&12V) DCM Flyback
15 - 45W			 TEA1721ADB1065 5W/(3.3V&12V) DCM Flyback			
			 TEA1720ADB1180 10W/5V DCM Flyback			 TEA1720ADB1180 10W/5V DCM Flyback
15 - 45W	 TEA1836DB1200 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback	 TEA1836DB1200 (*) 45W/19.5V QR/DCM Flyback
	 TEA1832DB1253 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback	 TEA1832DB1253 (*) 45W/19.5V FF/CCM Flyback
45 - 75W	 TEA1836DB1094 65W/19.5V QR/DCM Flyback		 TEA1836DB1094 (*) 65W/19.5V QR/DCM Flyback	 TEA1836DB1094 (*) 65W/19.5V QR/DCM Flyback	 TEA1836DB1094 (*) 65W/19.5V QR/DCM Flyback	 TEA1836DB1094 (*) 65W/19.5V QR/DCM Flyback
75 - 120W	TEA1755DB1100 (*) 90W/19.5V QR/DCM PFC + QR/DCM Flyback		TEA1755DB1100 (*) 90W/19.5V QR/DCM PFC + QR/DCM Flyback	TEA1755DB1100 (*) 90W/19.5V QR/DCM PFC + QR/DCM Flyback	TEA1755DB1100 (*) 90W/19.5V QR/DCM PFC + QR/DCM Flyback	TEA1755DB1100 (*) 90W/19.5V QR/DCM PFC + QR/DCM Flyback
	 TEA1716DB1255 90W/19.5V QR/DCM PFC + LLC		 TEA1716DB1255 (*) 90W/19.5V QR/DCM PFC + LLC	 TEA1716DB1255 (*) 90W/19.5V QR/DCM PFC + LLC	 TEA1716DB1255 (*) 90W/19.5V QR/DCM PFC + LLC	 TEA1716DB1255 (*) 90W/19.5V QR/DCM PFC + LLC
> 120W	 TEA1716DB1266 240W/(12V&24V) QR/DCM PFC + LLC		 TEA1716DB1266 (*) 240W/(12V&24V) QR/DCM PFC + LLC	 TEA1716DB1266 (*) 240W/(12V&24V) QR/DCM PFC + LLC	 TEA1716DB1266 (*) 240W/(12V&24V) QR/DCM PFC + LLC	 TEA1716DB1266 (*) 240W/(12V&24V) QR/DCM PFC + LLC
Companion IC	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge	TEA1708DB1168 Active X-cap discharge
	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout	TEA1892DB1226 SR controller IC low RDS_on MOSFET/low Vout
	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout	 TEA1995DB1295 SR add-on LFPK LLC low RDS_on MOSFET/low Vout

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