



FREMONT MICRO DEVICES USA, INC.

EXPERT IN EEPROM & GREEN POWER

PRODUCT SELECTION GUIDE

www.fremontmicrousa.com

EEPROM

24Cxx Series - 2 Wire

Part No.	Density	Org	Vcc	Speed	Package
FT24C02A	2K	256x8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, SOT23-5, DFN
FT24C04A	4K	512x8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, SOT23-5, DFN
FT24C08A	8K	1024x8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, SOT23-5, DFN
FT24C16A	16K	2Kx8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, SOT23-5, DFN
FT24C32A	32K	4Kx8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, SOT23-5, DFN
FT24C64A	64K	8Kx8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, SOT23-5, DFN
FT24C128A	128K	16Kx8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, DFN
FT24C256A	256K	32Kx8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, MSOP8, DFN
FT24C512A	512K	64Kx8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, DFN
FT24C1024	1M	128Kx8	1.8V-5.5V	1 MHz	DIP8, SOP8, TSSOP8, DFN

93Cxx Series - 3 Wire

Part No.	Density	Org	Vcc	Speed	Package
FT93C46A	1K	128x8 / 64x16	1.8V-5.5V	2 MHz	DIP8, SOP8, TSSOP8, MSOP8, DFN
FT93C56A	2K	256x8 / 128x16	1.8V-5.5V	2 MHz	DIP8, SOP8, TSSOP8, MSOP8, DFN
FT93C66A	4K	512x8 / 256x16	1.8V-5.5V	2 MHz	DIP8, SOP8, TSSOP8, MSOP8, DFN

Smart card - IC card

Part No.	Density	Org	Vcc	Speed	Package
FT4432	2K	256x8	1.8V-5.5V	50KHz	Wire-Bonded Module M2.2, DFN
FT4442	2K	256x8	1.8V-5.5V	50KHz	Wire-Bonded Module M2.2, DFN
FT5552	2K	256x8	1.8V-5.5V	50KHz	Wire-Bonded Module M2.2, DFN
FT4428	8K	1024x8	1.8V-5.5V	50KHz	Wire-Bonded Module M2.2, DFN

Offline WLED

Offline WLED

Part No.	Interface	P _{OUT}	Remarks
LED Driver	FT831B	7W	±CC, Adjustable Driving, OVR
LED Driver	FT881X	30W	Programmable Frequency Burst-Mode, UVLO, OVP, OCP, OLP
PFC Controller	FT822X	60W	TM Flyback, PFC LED Driver, OSCP, adjustable OVP, UVLO

POWER Management

AC/DC

Categories	Part No.	Pout	Remark
Primary-Side Regulator	FT830X	5W	±10% CC, Default Cable Compensation and Default Driving capacity
Primary-Side Regulator	FT831X	6W	±10% CC, Cable Compensation Adjustable Driving
Primary-Side Regulator	FT832X	6W	±10% CC, Cable Compensation, Charging status LED indicator Driver, Adjustable Driving
Primary-Side Regulator	FT835X	6W	CC/CV, Standby power, <30mW, No audible noise, Fast dynamic load response
PWM Controller	FT861X	30W	Programmable Frequency Burst-Mode, UVLO, OVP, OCP, OLP
PWM Controller	FT862X	65W	Programmable Frequency Burst-Mode, UVLO, OVP, OCP, OLP
PWM Controller	FT810X	120W	Ultra low Standby, Fast startup, Latched Protection, Adjustable Burst Level
PFC Controller	FT821X	150W	CRM Current Mode PFC, UVLO, Dynamic OVP, Two-Stage Output

DC/DC

Categories	Part No.	Efficiency	Iq	Start up Voltage	Cross reference items
Boost (step up)	FT435	90%	6μA	0.8V	BL8530, AIC1642, ME2108, QX2304
Categories	Part No.	Efficiency	I _{max}	Input Voltage range	Cross reference items
Buck (step down)	FT440X	95%	600mA	2.5V to 5.5V	ACT6906, AMC3100, APX1006, LTC3406, RT8009
Buck (step down)	FT441X	95%	900mA	2.5V to 5.5V	MP2105
Buck (step down)	FT442X	95%	1500mA	2.5V to 5.5V	AAT1145, EUP3412, XM5152

LDO

Single Channel

Part No.	Iq	I _{max}	Noise	PSRR@1kHz	Cross reference items
FT510X (2.8-3.6V)	1.1μA	>250mA			XC6206
FT511X (1.2-2.5V)	1.6μA	>150mA			MCP1700
FT531X (1.2-3.6V)	36μA	>250mA	30uVrms	72dB	XC6204, XC6221, AP2121
FT533X (1.2-3.6V)	65μA	>400mA	30uVrms	75dB	XC6204, XC6221, AP2121

Dual Channel

Part No.	Iq	I _{max}	Noise	PSRR@1kHz	Cross reference items
FT521X (1.2-3.6V)	65μA	>250mA	30uVrms	72dB	XC6401
FT523X (1.2-3.6V)	120μA	>400mA	30uVrms	75dB	XC6401