

UTFT

Arduino and chipKit Universal TFT display library

Supported display modules
& LCD Controllers



These display modules have been tested, and works with the UTFT library. Other modules may work as long as they have one of the supported controllers.

Supplier:		ITead Studio	
Website:		http://imall.iteadstudio.com/	
Module	Model for UTFT()	Controller	Notes
ITDB02-1.8SP	ITDB18SP	ST7735	5V only ¹
ITDB02-2.2SP	ITDB22SP	HX8340-B(N)	Retired, 5V only ¹
ITDB02-2.2	ITDB22	HX8340-B(T)	
ITDB02-2.4	ITDB24	ILI9325C	Retired
ITDB02-2.4D	ITDB24D	ILI9325D	Retired
ITDB02-2.4DWOT	ITDB24DWOT	ILI9325D	Retired
ITDB02-2.4E	ITDB24E_8	S6D1121	8bit mode
ITDB02-2.4E	ITDB24E_16	S6D1121	16bit mode
ITDB02-2.5H	ITDB25H	S1D19122	Retired
ITDB02-2.8	ITDB28	ILI9325D	
ITDB02-3.2	ITDB32	HX8347-A	Retired
ITDB02-3.2WC	ITDB32WC	ILI9327	Retired
ITDB02-3.2S	ITDB32S	SSD1289	
ITDB02-3.2WD	ITDB32WD	HX8352-A	
ITDB02-4.3	ITDB43	SSD1963	
ITDB02-5.0	ITDB50	SSD1963	

Supplier:		ElecFreaks	
Website:		http://www.elec Freaks.com/store/	
Module	Model for UTFT()	Controller	Notes
TFT01-1.8SP	TFT01_18SP	ST7735S	May require external power
TFT01-2.2	TFT01_22	S6D0164	
TFT01-2.2SP	TFT01_22SP	ILI9341	May require external power
TFT01-2.4	TFT01_24_8	ILI9325D	8bit model, Retired
TFT01-2.4	TFT01_24_16	ILI9325D	16bit model, Retired
TFT01-2.4 v1.2	TFT01_24R2	S6D1121	
TFT01-2.8	TFT01_28	ILI9325D	
TFT01-3.2	TFT01_32	SSD1289	
TFT01_3.2W	TFT01_32W	ILI9327	Retired
TFT01_3.2WD	TFT01_32WD	HX8352-A	
TFT01-4.3	TFT01_43	SSD1963	
TFT01-5.0	TFT01_50	SSD1963	
TFT01-7.0	TFT01_70	SSD1963	

Supplier:		NKC Electronics	
Website:		http://store.nkcelectronics.com/	
Module	Model for UTFT()	Controller	Notes
RGB LCD 65K color module	LPH9135	PCF8833	

Supplier:		Electronics Lee	
Website:		http://stores.ebay.com/electronics-lee	
Module	Model for UTFT()	Controller	Notes
3.2" TFT LCD Arduino Shield Revision A	ELEE32_REVA ²	SSD1289	Uses 16bit latched mode ¹ Arduino Shield not supported on chipKit or Arduino Due
3.2" TFT LCD Arduino Shield Revision B	ELEE32_REVB	SSD1289	8bit mode ¹ Arduino Shield not supported on chipKit or Arduino Due

Supplier:		General Electronics-Tech	
Website:		http://www.geeetech.com/	
Module	Model for UTFT()	Controller	Notes
2.2" TFT LCD	GEEE22	HX8340-B(T)	
TFT 2.4" With SD Touch Module	GEEE24	ILI9320	5V only ¹
TFT 2.8" With SD Touch Module	GEEE28	ILI9320	5V only ¹
TFT 3.2" With SD Touch Module	GEEE32	SSD1289	

¹ May work on 3.3v boards (chipKit and Arduino Due) but this has not been verified

² Changed from INFINIT32

³ Use `UTFT myGLCD(ELEE32_REVA,A1,A2,A0,A3,A5);` to initialize

⁴ Use `UTFT myGLCD(ELEE32_REVB,A1,A2,A0,99);` to initialize

Supplier:		Coldtears Electronics	
Website:		http://stores.ebay.com/coldtears-electronics-store	
Module	Model for UTFT()	Controller	Notes
2.2" TFT LCD Module	CTE22	S6D0164	Basic support only ⁵
2.8" TFT LCD Module	CTE28	ILI9325D	Basic support only ⁵
3.2" TFT LCD Module	CTE32	SSD1289	Basic support only ⁵
3.2" (480x320) TFT LCD Module	CTE32HR	ILI9481	Basic support only ⁵
3.2" Wide TFT LCD Module	CTE32W	HX8352-A	Basic support only ⁵
3.5" IPS TFT LCD Module	CTE35IPS	R61581	Basic support only ⁵
4.0" TFT LCD Module	CTE40	ILI9486	Basic support only ⁵
5.0" TFT LCD Module	CTE50	SSD1963	Basic support only ⁵
7.0" TFT LCD Module	CTE70	SSD1963	Basic support only ⁵

Supplier:		Watterott electronic	
Website:		http://www.watterott.com/	
Module	Model for UTFT()	Controller	Notes
MI0283QT-9A	MI0283QT9	ILI9341	Only tested on Arduino Uno

Supplier:		ElecHouse	
Website:		http://www.elechouse.com/	
Module	Model for UTFT()	Controller	Notes
5.0" TFT LCD Module	EHOUSE50	SSD1963	
5.0" CPLD TFT LCD Module	EHOUSE50CPLD	CPLD	Not compatible with chipKit
7.0" TFT LCD Module	EHOUSE70	SSD1963	

⁵ UTFT does not make use of the on-board Font and Icon Flash chip.

If you are unsure which module you have you can try these model codes for the supported controllers instead:

Controller	Model for UTFT()	Supported mode		
		8bit	16bit	Serial
CPLD	CPLD		✓	
HX8340-B(N)	HX8340B_S			✓
HX8340-B(T)	HX8340B_8	✓		
HX8347-A	HX8347A		✓	
HX8352-A	HX8352A		✓	
ILI9320	ILI9320_8	✓		
	ILI9320_16		✓	
ILI9325C	ILI9325C	✓		
ILI9325D	ILI9325D_8	✓		
	ILI9325D_16		✓	
	ILI9325D_16ALT ⁶		✓	
ILI9327	ILI9327		✓	
ILI9341	ILI9341_S4P ⁷			✓
	ILI9341_S5P ⁸			✓
ILI9481	ILI9481		✓	
ILI9486	ILI9486		✓	
PCF8833	PCF8833			✓
R61581	R61581		✓	
S1D19122	S1D19122		✓	
S6D0164	S6D0164	✓		
S6D1121	S6D1121_8	✓		
	S6D1121_16		✓	
SSD1289	SSD1289		✓	
	SSD1289_8	✓		
	SSD1289LATCHED ⁹		LATCHED	
SSD1963	SSD1963_480		✓	
	SSD1963_800		✓	
	SSD1963_800ALT ¹⁰		✓	
ST7735	ST7735			✓
ST7735S	ST7735S			✓

⁶ Alternative initialization for some 2.8" display modules

⁷ Use this for 4 Pin serial modules

⁸ Use this for 5 Pin serial modules

⁹ Currently only supported on 5v Arduino board, and not on chipKit or Arduino Due

¹⁰ Alternative initialization for 7" displays