

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 (see the section marked **important** further down).

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.elecfrakes.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
5.0" CPLD TFT LCD Module	CTE50CPLD	CPLD	Not compatible with chipKit
7.0" TFT LCD Module	CTE70	SSD1963	Basic support only ⁵
7.0" CPLD TFT LCD Module	CTE70CPLD	CPLD	Not compatible with chipKit

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	

Supplier:		DisplayModule	
Website:		http://www.displaymodule.com/	
Module	Model for UTFT()	Controller	Notes
DM-TFT18-101	DMTFT18101	HX8353C	
DM-TFT22-102	DMTFT22102	S6D0164	
DM-TFT24-104	DMTFT24104	ILI9325D	
DM-TFT28-103	DMTFT28103	ILI9325D	
DM-TFT28-105	DMTFT28105	ILI9341	Not compatible with chipKit

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		✓	
HX8353-C	HX8353C	✓		
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			✓

IMPORTANT :

Please note that any attempt to use this library with display modules that are not on this list is done at your own risk. Using this library with display modules not on this list may work just fine, but there is also a tiny, tiny risk that it may damage your display module. Consider yourself warned.

Do not ask me if a display module that is not on this list will work with the library. As I have not tested it I simply do not know. You will just have to try for yourself (at your own risk).

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