



Preliminary Datasheet for HMI

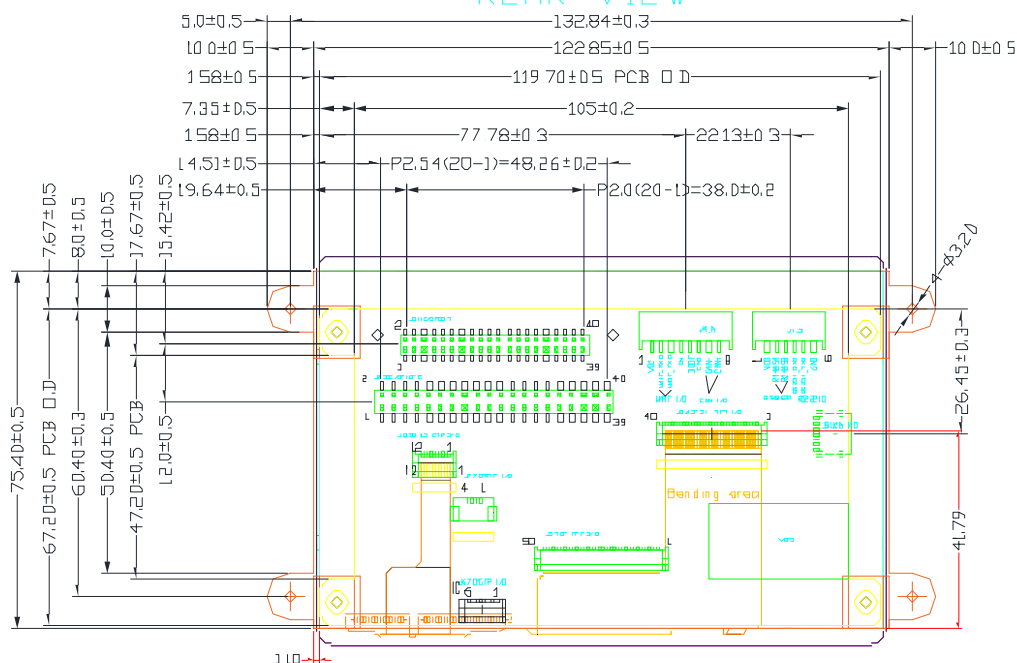
Description

XMC050WV01AC-IUL 搭載32位元雙核心高效率, 低功耗處理器, 並且配備了豐富的介面, 可用於各種嵌入式系統及應用程式的開發, 方便於開發者進行開發使用. 並可以提供GUI編輯器供開發者開發時使用, 縮短開發時間.

The XMC050WV01AC-IUL is equipped with a 32-bit dual-core high-efficiency, low-power processor, is equipped with different Interfaces, can be used for the development of various embedded systems and applications, which is convenient for developers to develop their own devices. It can also provide a GUI editor for developers to use and shorten the developing time.

Specifications

CPU	-One core at 240 MHz: 613.86 CoreMark; 2.56 CoreMark/MHz -Two cores at 240 MHz: 1181.60 CoreMark; 4.92 CoreMark/MHz
Memory	384 KB ROM 512 KB SRAM 8 MB PSRAM 16M SPI FLASH
WIFI	• IEEE 802.11b/g/n-compliant • Supports 20 MHz and 40 MHz bandwidth in 2.4 GHz band
Bluetooth	• Bluetooth LE: Bluetooth 5, Bluetooth mesh • High power mode (20 dBm) • Speed: 125 Kbps, 500 Kbps, 1 Mbps, 2 Mbps
USB	1 Group
GPIO/UART/IIC	40Pin (Pitch 2.54mm/2.0mm)
CANBUS	1 Group
RS485	1 Group
UART/RS232	1 Group
DISPLAY Input	TTL/RGB Mode
DISPLAY	5.0"800RGB*480 High Contrast
TOUCH TYPE	Capacitive Touch/Resistive touch





J1,J2:GPIO/IIC

PIN		ASSIGNMENT	
1	5.0V	2	5.0V
3	3.3V_OUT	4	3.3V_OUT
5	GND	6	GND
7	GND	8	GND
9	NC	10	NC
11	EX_P0	12	EX_P1
13	EX_P2	14	EX_P3
15	EX_P4	16	EX_P5
17	EX_P6	18	EX_P7
19	NC	20	NC
21	NC	22	NC
23	ESP_20	24	ESP_19
25	ESP_41	26	ESP_40
27	ESP_04	28	ESP_42
29	ESP_01	30	ESP_02
31	IIC-SCL	32	IIC-SDA
33	GND	34	GND
35	GND	36	GND
37	3.3V_OUT	38	3.3V_OUT
39	5.0V	40	5.0V

J4A:UART,CANBUS

PIN	ASSIGNMENT
1	VCC
2	UART_RXD
3	UART_TXD
4	EN
5	BOOT
6	GND
7	CAN-
8	CAN+

J4B:UART,CANBUS

PIN	ASSIGNMENT
1	VCC
2	RS485A
3	RS485B
4	RS232_RXD
5	RS232_TXD
6	GND

J3:USB I/O

NO.	SYMBOL
1	+5.0V
2	DM
3	DP
4	GND