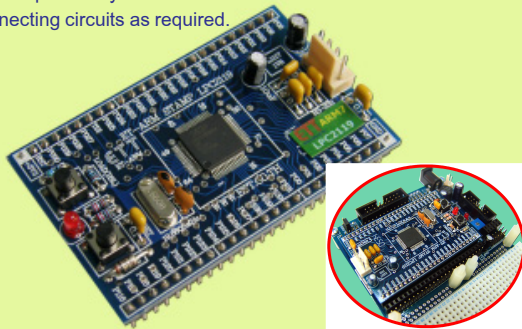


ET-ARM STAMP LPC2119

(P-ET-A-00271)

It is designed to be a small board, so it can be interfaced independently or interfaced with PROJECT BOARD for connecting circuits as required.



• **EXAMPLE OF CONNECTING WITH ET-ARM7 START KIT V1 EXP**

- ARM7 NO. LPC2119 16/32 BIT MCU 64 PIN LQFP
- 128 KBYTE FLASH MEMORY, 16 KBYTE INTERNAL RAM
- X'TAL 19.6608 MHz WITH MAXIMUM HIGH SPEED 58.9824 MHz (PLL CONFIG)
- IN-SYSTEM PROGRAMMING (ISP) THROUGH ON-CHIP-BOOT-LOADER SOFTWARE OF PORT UART 0 THAT CONNECTED WITH PORT RS232 OF COMPUTER PC
- 46 I/O PIN BE ABLE CONNECT WITH 5V I/O (TO LERANT I/O 5V except A TO D that is not higher than 3.3V)
- 2 CHANNEL UART 0 4 PIN ETT MAX232 ON BOARD, TTL UART 1
- 4 CHANNEL 10 BIT A/D CONVERTER, PWM 6 OUTPUT, WATCHDOG TIMER
- 3.3V POWER SUPPLY, 1.8V POWER SUPPLY ON BOARD
- ET-ARM STAMP LPC2119 IS ON PIN HEADER 25 PIN FOR EACH SIDE TOTAL 50 PIN, 2.54 mm. SPACE, BE ABLE TO PUT ON ET-ARM 7 START KIT V1, V1 EXP OR CONNECT WITH PROJECT BOARD
- PCB SIZE 40 X 65 mm

• **ET-ARM STAMP LPC2119 INCLUDES;**

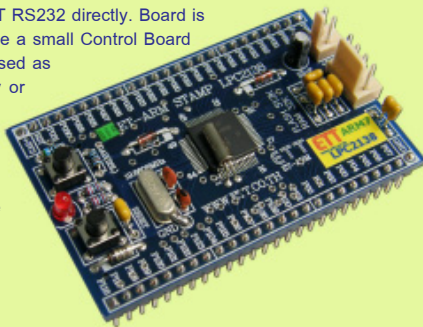
1. ET-ARM STAMP LPC2119 BOARD
2. ET-RS232 DB 9 PIN CABLE
3. CD-ROM



ET-ARM STAMP LPC2138

(P-ET-A-00274)

ET-ARM STAMP LPC2138 which is one Board AVR family from ETT is CPU 16/32 Bit of PHILIPS No. LPC2138. We can download program into internal Flash memory through PORT RS232 directly. Board is designed to be a small Control Board and can be used as independently or can be interfaced on PROJECT BOARD for demonstrative circuits.



- ARM No. LPC2138 16/38 BIT MCU 64 PIN LQFP TYPE
- INTERNAL FLASH MEMORY 512KBYTE, INTERNAL RAM 32KBYTE
- X'TAL 19.6608 MHz AND MCU CAN COLLECT DATA MAXIMUM 58.9824 MHz
- SUPPORT IN-SYSTEM PROGRAMMING (ISP) THROUGH ON-CHIP-BOOT-LOADER SOFTWARE UART 0 BY INTERFACING WITH PORT RS232 OF COMPUTER PC DIRECTLY
- 47 I/O CAN BE INTERFACED WITH I/O SYSTEM FOR SIGNAL LEVEL 5V (except A TO D that is not higher than 3.3V)
- POWER SUPPLY 3.3 VDC
- UART FULL-DUPLEX 2 CHANNELS: UART 0 STANDARD 4 PIN ETT FOR RS232 LEVEL AND UART 1 FOR TTL LEVEL
- SPI 2 CHANNEL, I2C 2 CHANNEL
- A TO D 10 BIT 8 CHANNEL, D TO A 10 BIT 1 CHANNEL
- TIMER 32 BIT 2 CHANNEL, PWM 6 CHANNEL, WATCHDOG TIMER, REAL TIME CLOCK
- INTERNAL CPU WITH X'TAL 32.768 MHz AND CONNECTOR BATTERY
- BOARD ET-ARM STAMP LPC2138 IS PLACED ON PIN HEADER FOR 25 PINS PER SIDE (TOTAL 50 PIN) WITH 2.54 MM. DISTANCES. IT CAN BE PLACED ON DEMONSTRATIVE BOARD ET-ARM7 START KIT V1, V1 EXP OR CAN BE INTERFACED WITH PROJECT BOARD
- PCB SIZE 40 x 65 MM.

• **ET-ARM STAMP LPC 2138 INCLUDES...**

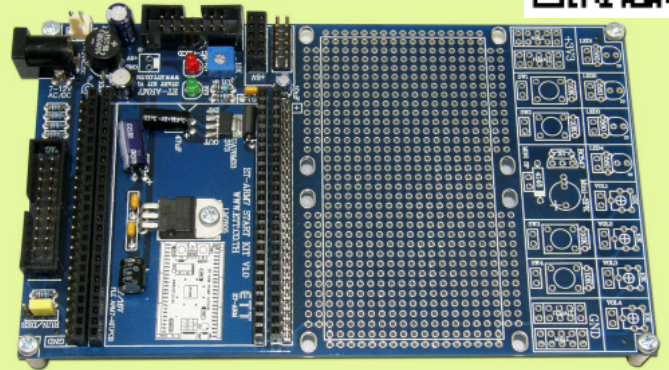
1. BOARD ARM STAMP LPC 2138
2. CABLE DOWNLOAD ET-RS232 9 PIN
3. CD-ROM



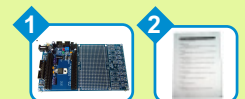
ET-ARM7 START KIT V1

(P-ET-A-00272)

ET-ARM7 START KIT V1 and ET-ARM7 START KIT V1 EXP are base board connecting with ET-ARM STAMP LPC2119/LPC2138. There's Power Supply to provide electricity to ARM STAMP with Wire Connector for KIT V1 and KIT V1 EXP is experimented to connect with ARM STAMP.



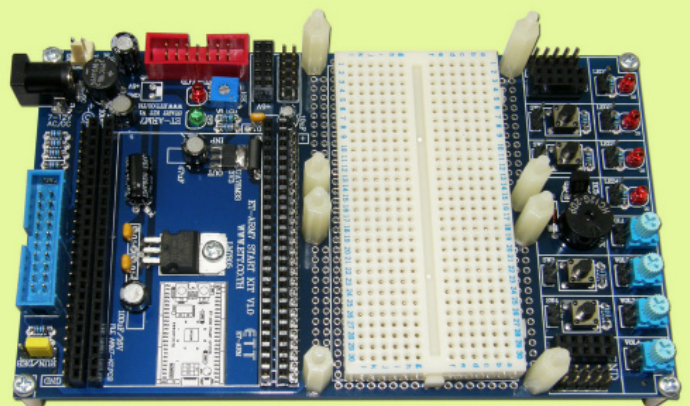
- 25 PIN X 2 FEMALE HEADER FOR CONNECT WITH ARM STAMP
 - 25 PIN X 2 FEMALE AND 25 PIN X 2 MALE HEADER FOR CONNEC FROM BOARD
 - 3.3V POWER SUPPLY AND 5VDC
 - 14 PIN CHARACTER LCD PORT
 - 7-12VDC POWER SUPPLY (BE ABLE TO USE POWER SUPPLY ETT DC ADAPTER 10VDC/850mA)
 - PCB SIZE 15.3 X 9 CM.
 - **ET-ARM7 START KIT V1 INCLUDES;**
1. ET-ARM7 START KIT V1 BOARD
 2. MANUAL



ET-ARM7 START KIT V1 EXP

(P-ET-A-00273)

We interface Board ET-ARM7 START KIT V1 EXP with ET-ARM STAMP LPC2119 and ET-ARM STAMP LPC2138 by using Board ET-ARM7 START KIT V1 EXP to be base board. Moreover, there's circuit POWER SUPPLY 3.3V and 5VDC for supplying power into ARM STAMP and PORT for interfacing LCD CHARACTER.



- PROJECT BOARD AD-100 (SIZE 81 x 42 x 9 MM.) WITH 360 PONTs
 - 4 VR WITH INTERSECTION POINT
 - 4 TACT SW WITH INTERSECTION POINT
 - 4 LED DOT WITH INTERSECTION POINT
 - 1 MINI SPEAKER WITH INTERSECTION POINT
 - **ET-ARM7 START KIT V1 EXP INCLUDES...**
1. ET-ARM7 START KIT V1 EXP BOARD
 2. USER MANUAL

