

UNIVERSAL MICROCONTROLLER TRAINER

Model Number : GOTT-UNM-393

PRODUCT MODULES

UNIVERSAL MICROCONTROLLER BASE

CODE
393-001

- Socket for Microcontroller Module (UM Series)
- 8 Bit LED with 2 colors; can be adjusted by Jumper to Active Hi or Active Low
- 8 Bit LED with buffer circuit; can be adjusted by Jumper to Active Hi or Active Low
- Individual of a two color LED with current limit resistor
- 8 Bit DIP Switch and 4 bit push button switch
- One set of Piezo Speaker
- Four channels for reference voltage with adjustable by trimpot [1 Turn]
- One channels for reference voltage with thoroughly fine adjustable trimpot [25 Turn]
- Two serial ports RS-232 with LED to indicated transferring status
- One USB port
- Regulator voltage source for microcontroller board can be adjusted between 3.3V and 5V
- One set of fixed constant voltage source 5V
- On/Off Power switch
- Proto board with 400 connecting point

OPTIONAL
PROGRAMMER
MODULEOPTIONAL
APPLICATION
MODULEPlease refer to page
"Microprocessor /
Microcontroller
Application
Module".

PRODUCT MODULES

PIC 8/14/20 PIN MICROCHIP μ C MODULECODE
393-002

PIC controller module can be used with chip PIC microcontroller, size 8, 14 and 20 (PDIP-8/20/14) designed to be used in conjunction with a Board Product details

- GOTT module controller with PIC Microcontroller type body PDIP-8/14/20, as follows:
 - PDIP-8 : PIC12F508, 509, 510, 609, 629, 635, 675, 615, 683.
 - PDIP-14 PIC16F505, 506, 610, 630, 676, 688, 684, 636, 616.
 - PDIP-20 PIC16F631, 677, 639, 785, 685, 689, 690.

PIC 18 PIN MICROCHIP μ C MODULECODE
393-003

PIC controller module can be used with chip PIC microcontroller, size 18 (PDIP-18) designed to be used in conjunction with a Board Product details

- GOTT module controller with PIC Microcontroller PDIP-18 body type:
 - PIC16Fxxx 54 (A), 628 (A), 648, 818, 819, 716, 84 (A)
 - PIC18Fxxx 1220, 1320

PIC 28 PIN MICROCHIP μ C MODULECODE
393-004

PIC controller module can be used with chip PIC microcontroller, size 28 (PDIP-28) designed to be used in conjunction with a Board Product details

- GOTT module controller with PIC Microcontroller PDIP-28 body type:
 - Model: PIC16Fxxx, 72, 73, 737, 767, 872, 873, 876, 886, 913.
 - Model: PIC18Fxxx, 252, 2525, 253, 2550, 258, 2680.

PIC 40 PIN MICROCHIP μ C MODULECODE
393-005

PIC controller module can be used with chip PIC microcontroller, size 40 (PDIP-40) designed to be used in conjunction with a Board Product details

- GOTT module controller with PIC Microcontroller PDIP-40 body type:
 - Model: PIC16Fxxx : 59, 74, 77, 724, 727, 774, 777, 874A, 877A, 884, 887, 914, 917
 - Model: PIC18Fxxx : 442, 448, 452, 458, 4220, 4221, 4320, 4321, 4331, 4450, 4480, 4585, 4620

dsPIC 28 PIN MICROCHIP μ C MODULECODE
393-006

GOTT Module dsPIC can be used with:

- dsPIC-A used with 28 pin dsPIC30F2010

CPLD XILINX μ C MODULECODE
393-007

- The LED indicator for Power and PROGRAM status
 - UM-CPLD-A support to used with Xilinx, PLCC-44 package such as XC9536XL, XC9536, XC9572XL, XC9572 (Standard Oder)

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MCS51 PLCC-44 μC MODULE  - UM-MCS51 Module support to used with MCS-51 microcontroller in PLCC-44 package. - AT89S51/52/53/8252/8253 - P89V51RD2FA (Standard Order)	CODE 393-008	ARM7 NXP μC MODULE  - TDMI-S ARM7 controller module NXP LPC2148 telephone company can work on both 16-bit and 32-bit is designed to be used in conjunction with a Board . - ARM7 controller module company NXP LPC2148	CODE 393-009
AVR ATMEL μC MODULE  - GOTT module Atmel AVR controller extension ATMEGA64 and ATMEGA128, designed to be used in conjunction with a Board - ATMEGA64-TQFP64 : Flash 64KB, RAM 4KB, EEPROM 2KB - ATMEGA128-TQFP64 : Flash 128KB, RAM 4KB, EEPROM 4KB	CODE 393-010	PSoC 28 PIN CYPRESS μC MODULE  Cypress PSoC controller can work with size 28-pin controller (PDIP-28) design. To be used in conjunction with a Board Product details - GOTT module controller with a PSoC microcontroller type body PDIP-28 like - CY8C27443 (Flash 16K) - CY8C29466 (32K Flash)	CODE 393-011
PSoC 44 PIN CYPRESS μC MODULE  Cypress PSoC controller can work with size 44-pin (TQFP-44) design. - GOTT module controller with a PSoC microcontroller type body TQFP-44 - CY8C29566-24AXI.	CODE 393-012	PSoC 56 PIN CYPRESS μC MODULE  Cypress PSoC controller can work with size 56-pin (QFN-56) design. - GOTT module controller with a PSoC microcontroller type body QFN-56 - CY8C24894-24LFXI	CODE 393-013

OPTIONAL PROGRAMMER MODULE			
PSoC PROGRAMMER  - Support Microcontroller PSoC Series - CY8C21xxx : 234 / 334 / 434 / 534 / 634 - CY8C22xxx : 113 / 213 - CY8C24xx3 : 123 / 223 / 423 - CY8C24xx4 : 794 / 894 - CY8C27xxx : 143 / 243 / 443 / 543 / 643 - CY8C29xxx : 466 / 566 / 666 / 866	CODE 393-014	AVR PROGRAMMER  - AVR-910 is an AVR series's microcontroller programming set. - This set can be programmed via SPI port and downloaded data into chip by In-Circuit Programming. - It can be programmed to many chips and directly used with AVR studio. - It can work at 3.0-5.0 V.	CODE 393-015
PIC PROGRAMMER  GOTT PIC Programmer module is a tool download a PIC controller program using the computer over USB with Microchip's PicKit2 equivalent. Product details - Supports a variety of programs, such as extension, microcontroller. - Model : PIC16Fxx, PIC12Fxx, PIC10Fxx- - Model : PIC18FXXxx, PIC18FXJxx, PIC18Fxx- - Model PIC24Fxx - Model dsPIC30Fxx, dsPIC30 SMPS - Model dsPIC33Fxx	CODE 393-016	OPTIONAL APPLICATION MODULE: Please refer to page "Microprocessor / Microcontroller Application Module (GOTT-MMA-921)".	

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
UNIVERSAL MICROCONTROLLER TRAINER	GOTT-UNM-393	393-000

* Proposed design only, subject to changes without any notice.