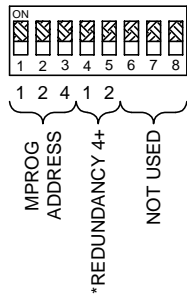


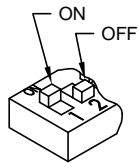
8-CHANNEL MPROG

JOB# _____

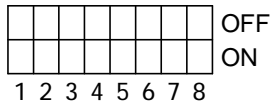
DIP SWITCH DETAIL



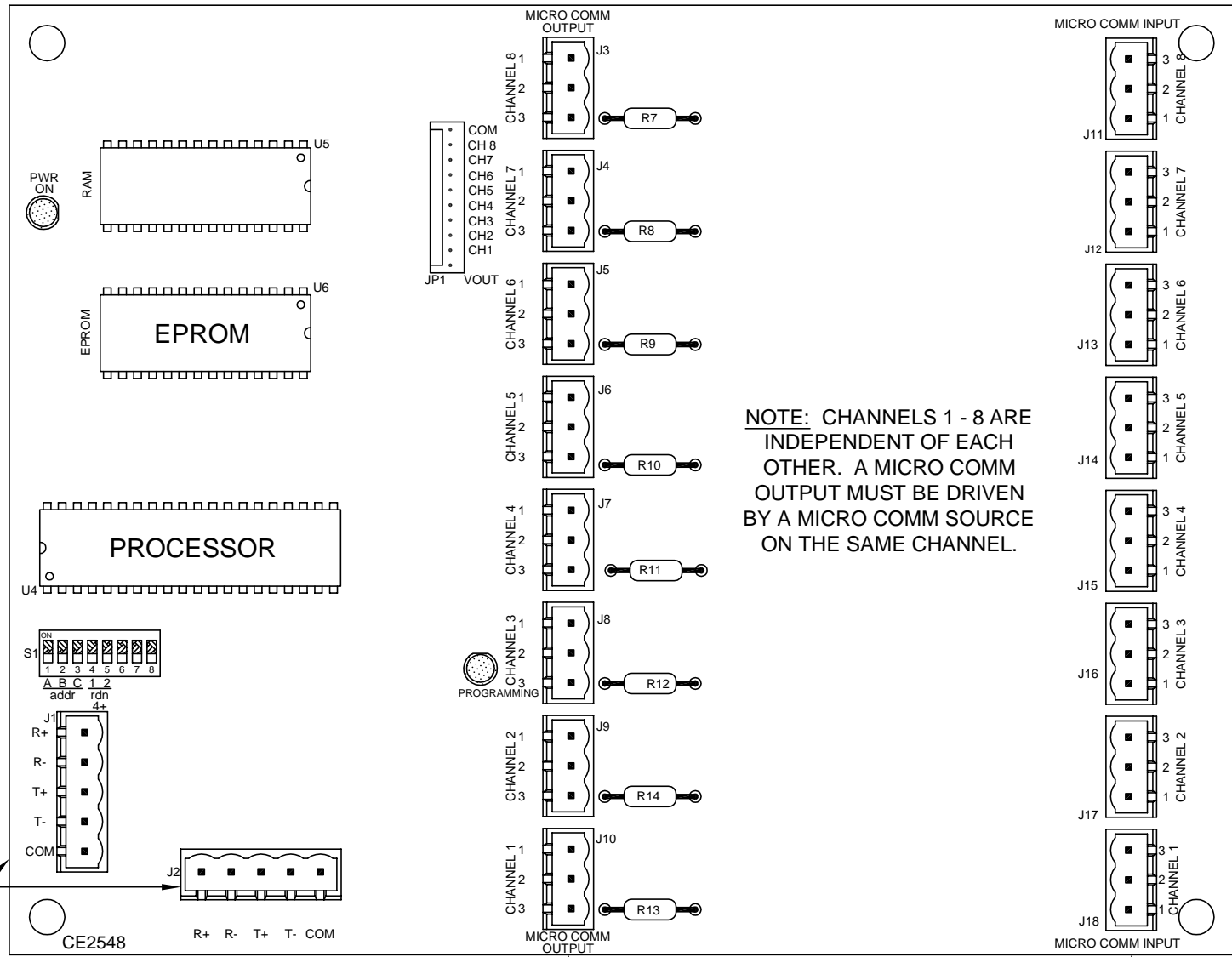
*REDUNDANCY (4-7 TIMES)
FOR PROGRAMMING AND
TIME/TEMP COMMANDS



DEFAULT SETTINGS



J1/J2 - RS485 CONNECTORS
CONNECT COMPUTER,
RS232/RS485 CONVERTOR,
OR CE2440 TIME/TEMP BOARD



**NOTE: CHANNELS 1 - 8 ARE
INDEPENDENT OF EACH
OTHER. A MICRO COMM
OUTPUT MUST BE DRIVEN
BY A MICRO COMM SOURCE
ON THE SAME CHANNEL.**

CONNECT TO 16-CHARACTER SCROLLING
MESSAGE DISPLAY, TIME/TEMPERATURE
CAPABLE DISPLAY, OR ANY OTHER
MICRO COMM PROGRAMMABLE DISPLAY

CONNECT TO MICRO COMM
SOURCE (MCCA, SMCDU,
MOTIS, MCE, OCDL, ETC.)

CODE VERSION _____

BOARD VERSION CE2548 _____

DATE DRAWN: 02/21/07	DRAWN BY: DAC	REQUESTED BY: TE	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 2548	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT EIGHT-CHANNEL MPROG	DWG. NO. MPROG8_01	REV. -	

PROGRAMMING and ADDRESSING

The MPROG8 (CE2548) board responds to the Message Center program operating from a personal computer (PC). The MPROG8 address is set using DIP switches 1, 2, and 3. The address determines which channels respond to the message programming. Use the table at right to set the MPROG8 address:

DIP SWITCHES			MPROG8 ADDRESS
1	2	3	
OFF	OFF	OFF	1
ON	OFF	OFF	2
OFF	ON	OFF	3
ON	ON	OFF	4
OFF	OFF	ON	5
ON	OFF	ON	6
OFF	ON	ON	7
ON	ON	ON	8

The Message Center program has an option for "MPROG CHOICE." If the selected "MPROG CHOICE" number is equal to or less than the MPROG8 DIP switch setting, all the channels that have a number equal to or less than the DIP switch setting are programmed with the same message. For example, if the MPROG8 board is set to address 5 and the "MPROG CHOICE" is set to "3", then channels one through five are programmed with the same messages.

If the selected "MPROG CHOICE" number is larger than the MPROG8 address, only the selected channel is programmed with the new message. For example, if the MPROG8 board is set to address 5 and the "MPROG CHOICE" is set to "6", then only channel six is programmed with the new message.

In general terms, if you want all the MPROG8 channels to program independently, set the MPROG8 address to one; if you want all of the channels to program with the same messages, set the MPROG8 address to eight.

The following table shows an example of this operation when the MPROG8 address is set to five:


MPROG8 ADDRESS = 5								
MPROG CHOICE FROM PC	MPROG8 CHANNEL							
	1	2	3	4	5	6	7	8
1	P	P	P	P	P	--	--	--
2	P	P	P	P	P	--	--	--
3	P	P	P	P	P	--	--	--
4	P	P	P	P	P	--	--	--
5	P	P	P	P	P	--	--	--
6	--	--	--	--	--	P	--	--
7	--	--	--	--	--	--	P	--
8	--	--	--	--	--	--	--	P

P : Channel is programmed with the message from the PC
 -- : Channel is not programmed.

DIP SWITCHES		NUMBER OF TIMES SENT
4	5	
OFF	OFF	4
ON	OFF	5
OFF	ON	6
ON	ON	7

REDUNDANCY

Redundancy is the number of times the MPROG8 sends the same value (packet of information) to the display unit. The Redundancy setting is controlled by DIP switches four and five as shown in the chart at left.

DATE DRAWN: 11/11/98	DRAWN BY: K.L.S.	REQUESTED BY: M.W.	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 2548	LAST DATE REVISED: 06/25/08	APPROVED BY:	
PRODUCT 8-CHANNEL MPROG		DWG. NO. CE254803	