

App8Sx-1

## ANALOG MICROCONTROLLERS OTP PROGRAMMING APPLICATION NOTE

### SCOPE: COP8Sxx7 and COP87Lxx 44QFP OTP Third-party Programming Adapter.

An adapter is available to allow programming of 44QFP family devices from an existing 40DIP pinout on the programmer menu. (Select COP8Sxx7- 40pin or COP87L88 from the programmer menu). A single adapter may be used to program either device family. Adapters are currently available from the following sources:

HI-LO - Taiwan: (02)764-0215, fax-756-6403. Internet: [www.hilosystems.com.tw](http://www.hilosystems.com.tw)

Part number: CNV-Q44-COP8Sxx

Tribal - USA: 510-623-8859, fax-9925. Internet: [www.tribalmicro.com](http://www.tribalmicro.com)

Part number: CNV-Q44-COP8Sxx

National Semiconductor - Part number: COP8-PGMA-44QFP

### ADAPTER SPECIFICATIONS:

**Note:** Adapters should be low profile, single PCB (if possible), with adequate trace widths.

**Note:** Adapters for gang programmer sockets should be a double adapter.

44QFP to 40DIP adapter should use a **Yamaichi IC51-0444-467** (or equivalent) lidded socket, and should be marked: COP8Sx/87Lx-44QFP.

Adapter Mapping 44QFP	Adapter Mapping 44QFP
NC---1	40---NC
NC---2	39---NC
41---3	38---36
42---4	37---35
43---5	36---34
44---6	35---33
1---7	34---32 (VPP)
(VCC) 2---8	33---31(GND)
NC---9	32---30
NC---10	31---29
NC---11	30---28
NC---12	29---27
NC---13	28---26
NC---14	27---25
NC---15	26---24
NC---16	25---23
NC---17	24---NC
NC---18	23---NC
NC---19	22---NC
NC---20	21---NC

For more information contact AMC Tools Support