

## H8/H89 I/O Port Assignments

NOTE: Some boards can be configured for any/many port ranges, however available software may not support all ranges. Unless otherwise indicated by “\*”, boards are shown in the port ranges required/expected by software.

Software is not able to detect port ranges of hardware. The dipswitches at port 362Q allow for software detection of the configuration of port ranges 170Q and 174Q only. Zx80 CPU boards V4 and later allow for extended port configuration for ranges 270Q and 274Q for certain devices. With the exception of H67 and H47 devices, software tends to hard-code the port ranges.

TBD(4)      HA-8-2 ADC/DAC

000Q	512K MMU	H8-2 PARALLEL	ECS PC-12 CARD
001Q	512K MMU	H8-2 PARALLEL	ECS PC-12 CARD
002Q	512K MMU		ECS PC-12 CARD
003Q	512K MMU		ECS PC-12 CARD
004Q	512K MMU		ECS PC-12 CARD
005Q	512K MMU		ECS PC-12 CARD
006Q	512K MMU		ECS PC-12 CARD
007Q	512K MMU		ECS PC-12 CARD
010Q			ECS PC-12 CARD
011Q			ECS PC-12 CARD
012Q			ECS PC-12 CARD
013Q			ECS PC-12 CARD
014Q			ECS PC-12 CARD
015Q			ECS PC-12 CARD
016Q			ECS PC-12 CARD
017Q			ECS PC-12 CARD
020Q			ECS PC-12 CARD
021Q			ECS PC-12 CARD
022Q			ECS PC-12 CARD
023Q			ECS PC-12 CARD
024Q			
025Q			
026Q			
027Q			
030Q	82C55 CARD *H		
031Q	82C55 CARD *H		
032Q	82C55 CARD *H		
033Q	82C55 CARD *H		
034Q	82C55 CARD *G		
035Q	82C55 CARD *G		
036Q	82C55 CARD *G		
037Q	82C55 CARD *G		
040Q			
041Q			
042Q			
043Q			

044Q	82C55 CARD *F		
045Q	82C55 CARD *F		
046Q	82C55 CARD *F		
047Q	82C55 CARD *F		
050Q	82C55 CARD *E		
051Q	82C55 CARD *E		
052Q	82C55 CARD *E		
053Q	82C55 CARD *E		
054Q	82C55 CARD *D		
055Q	82C55 CARD *D		
056Q	82C55 CARD *D		
057Q	82C55 CARD *D		
060Q	82C55 CARD *C		
061Q	82C55 CARD *C		
062Q	82C55 CARD *C		
063Q	82C55 CARD *C		
064Q			
065Q			
066Q			
067Q			
070Q	82C55 CARD *B		
071Q	82C55 CARD *B		
072Q	82C55 CARD *B		
073Q	82C55 CARD *B		
074Q			
075Q			
076Q			
077Q	TRIONYX Z-H8 CTL PORT		
100Q	H8xSPI (WIZNET/SDCard)		
101Q	H8xSPI (WIZNET/SDCard)		
102-167Q	--unused--		
170Q	H37	H67 *1	H47 *1
171Q	H37	H67 *1	H47 *1
172Q	H37	H67 *1	H47 *1
173Q	H37	H67 *1	H47 *1
174Q	H17	H67 *2	H47 *2
175Q	H17	H67 *2	H47 *2
176Q	H17	H67 *2	H47 *2
177Q	H17	H67 *2	H47 *2
200Q	H8-Z80-64 GIDE	H8-AM9511-APU CARD	
201Q	H8-Z80-64 GIDE	H8-AM9511-APU CARD	
202Q	H8-Z80-64 GIDE	H8-AM9511-APU CARD	
203Q	H8-Z80-64 GIDE	H8-AM9511-APU CARD	
204Q	H8-Z80-64 GIDE		
205Q	H8-Z80-64 GIDE		
206Q	H8-Z80-64 GIDE		
207Q	H8-Z80-64 GIDE		
210Q	H8-Z80-64 GIDE		
211Q	H8-Z80-64 GIDE		

212Q	H8-Z80-64 GIDE		
213Q	H8-Z80-64 GIDE		
214Q	H8-Z80-64 GIDE		
215Q	H8-Z80-64 GIDE		
216Q	H8-Z80-64 GIDE		
217Q	H8-Z80-64 GIDE		
220Q	H8 SPEED BOARD		
221-237Q	--unused--		
240Q	RTC72421		
241Q	RTC72421		
242Q	RTC72421		
243Q	RTC72421		
244Q	RTC72421		
245Q	RTC72421		
246Q	RTC72421		
247Q	RTC72421		
250Q	RTC72421		
251Q	RTC72421		
252Q	RTC72421		
253Q	RTC72421		
254Q	RTC72421		
255Q	RTC72421		
256Q	RTC72421		
257Q	RTC72421		
260Q	H8 USB		
261Q	H8 USB		
262Q	H8 USB		
263Q	H8 USB		
264Q			
265Q			
266Q			
267Q			
270Q	H67 *3	HA-8-3 GRAPHICS CARD	
271Q	H67 *3	HA-8-3 GRAPHICS CARD	
272Q	H67 *3	HA-8-3 GRAPHICS CARD	
273Q	H67 *3	HA-8-3 GRAPHICS CARD	
274Q	H67 *4	HA-8-3 GRAPHICS CARD	
275Q	H67 *4	HA-8-3 GRAPHICS CARD	
276Q	H67 *4	HA-8-3 GRAPHICS CARD	
277Q	H67 *4	HA-8-3 GRAPHICS CARD	
300-317Q	--unused--		
320Q	"ALT" SERIAL PORT	H8-2 PARALLEL PORT (alt?)	82C55 CARD *A
321Q	"ALT" SERIAL PORT	H8-2 PARALLEL PORT (alt?)	82C55 CARD *A
322Q	"ALT" SERIAL PORT		82C55 CARD *A
323Q	"ALT" SERIAL PORT		82C55 CARD *A
324Q	"ALT" SERIAL PORT		
325Q	"ALT" SERIAL PORT		
326Q	"ALT" SERIAL PORT		
327Q	"ALT" SERIAL PORT		

330Q	"MODEM" SERIAL PORT	VDIP1/FT245R USB
331Q	"MODEM" SERIAL PORT	VDIP1/FT245R USB
332Q	"MODEM" SERIAL PORT	VDIP1/FT245R USB
333Q	"MODEM" SERIAL PORT	
334Q	"MODEM" SERIAL PORT	
335Q	"MODEM" SERIAL PORT	
336Q	"MODEM" SERIAL PORT	
337Q	"MODEM" SERIAL PORT	
340Q	"LP" SERIAL PORT	
341Q	"LP" SERIAL PORT	
342Q	"LP" SERIAL PORT	
343Q	"LP" SERIAL PORT	
344Q	"LP" SERIAL PORT	
345Q	"LP" SERIAL PORT	
346Q	"LP" SERIAL PORT	
347Q	"LP" SERIAL PORT	
350Q	"CONSOLE" SERIAL PORT	
351Q	"CONSOLE" SERIAL PORT	
352Q	"CONSOLE" SERIAL PORT	
353Q	"CONSOLE" SERIAL PORT	
354Q	"CONSOLE" SERIAL PORT	
355Q	"CONSOLE" SERIAL PORT	
356Q	"CONSOLE" SERIAL PORT	
357Q	"CONSOLE" SERIAL PORT	
360Q	H8 FRONT PANEL + CTL	
361Q	H8 FRONT PANEL	
362Q	H8/H89 CTL/DIPSW PORT	+ Zx80 V3/4 SPEED CONTROL
363Q		Zx80 V4 CLOCK ENABLE
364Q		
365Q		
366Q		
367Q		
370Q	H8-5 CASS SERIAL PORT	
371Q	H8-5 CASS SERIAL PORT	
372Q	H8-5 CONSOLE SERIAL	
373Q	H8-5 CONSOLE SERIAL	
374Q	H8-5 ALT TERMINAL	
375Q	H8-5 ALT TERMINAL	
376Q		H8-2 PARALLEL PORT (alt?)
377Q		H8-2 PARALLEL PORT (alt?)

\*1 \*2 \*3 \*4 – Card is configuration for alternate I/O ports.

\*A..\*H – Port ranges may be assigned to chips as desired. A maximum of 5 ranges can be used.