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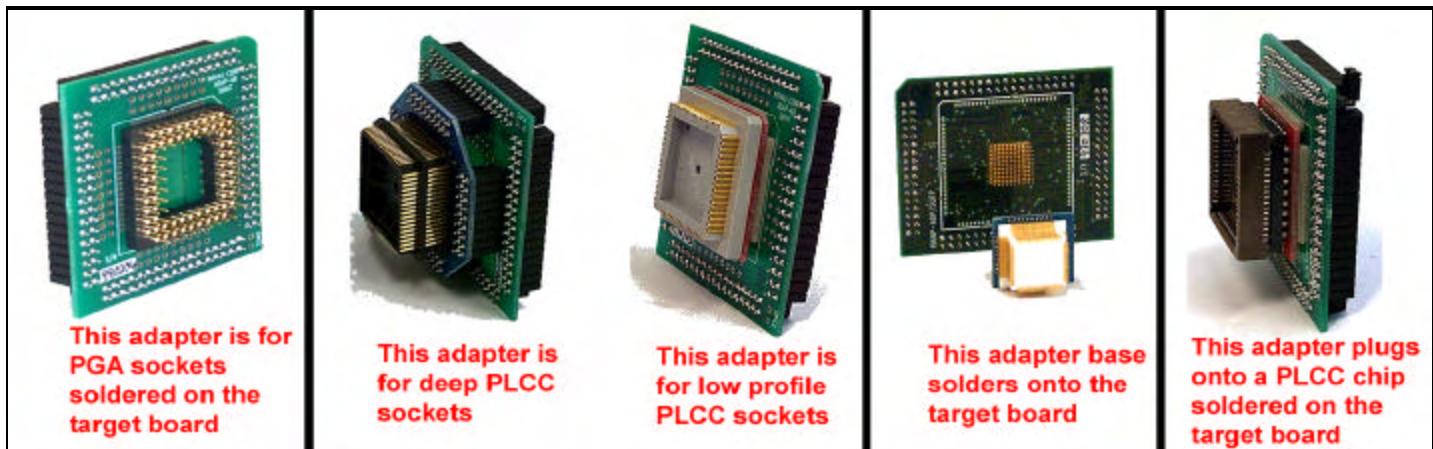A World Leader in Supplying
8-, 16- and 32-bit In-circuit Emulators

PH: (650) 375-0409 PH: (800) 686-6428 Fax: (650) 375-8666 Email:sales@icetech.com Web:www.icetech.com

Emulator to Target Adapters and Accessories

Adapter Summary - Use this chart to select the correct adapter

Target Footprint	PGA Socket	PLCC Socket	QFP Footprint Solder-Down Adapter	PLCC Chip
8XC196JQ, JR, and JT	JR -ADP-52/PGA 52 Pin PGA Package	JR -ADP-52/PGA/EDI 52 Pin PLCC Package JR -ADP-52/PLCC/ET 52 Pin PLCC Package		JR -ADP-52/CLIP 52 Pin clip-over
Replacement Socket		EDI/52PG/PL-L 52 pin		
8XC194 and 8XC198 Adapters		198-ADP-52/PLCC/EDI 52 Pin	196KC-ADP-80QFP/EDI 80 Pin QFP ET/EPP-080-QF08-LG 80 Pin QFP	
Replacement Socket			ET/EPP-080-QF08-SM 80 Pin QFP EDI/80QF-R-31-SD 80 Pin QFP	

* These are representative pictures.

This adapter is for PGA sockets soldered on the target board

This adapter is for deep PLCC sockets

This adapter is for low profile PLCC sockets

This adapter base solders onto the target board

This adapter plugs onto a PLCC chip soldered on the target board

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Adapter Summary - Use this chart to select the correct adapter (continued)

Target Footprint	PGA Socket	PLCC Socket	QFP Footprint Solder-Down Adapter	PLCC Chip
8XC196KB, KC and KD Adapters	196-KC-ADP-68/PGA 68 Pin PGA Package 196-KC-ADP-68/PGA/FLIP 68 Pin PGA Package	KC-ADP-68/PLCC/EDI 68 Pin Low Profile KC-ADP-68/PLCC/ET 68 Pin Deep Socket	196-KC-80QFP/EDI 80 Pin QFP Package ET/EPP-080-QF08-LG 80 Pin QFP Package 196-KC-68/CQFP/EDI 68 pin	KC-ADP-68/CLIP/EDI 68 Pin clip-over KB-ADP-68/CLIP/EDI 68 Pin clip-over
Replacement Sockets			EDI/80QF-R-31-SD 80 Pin QFP ET/EPP-080-QF08-SM 80 Pin QFP EDI/168QF50-1-SD 68 Pin	
8XC196KQ, KR, KS and KT Adapters	196-KR-ADP-68/PGA 68 Pin PGA Package	KR-ADP-68/PLCC/EDI 68Pin Low Profile KR-ADP-68-PLCC/ET 68 Pin Deep Socket		KR-ADP-68/CLIP/EDI 68 Pin clip-over
8XC196NT	196-NT -ADP-68/PGA 52 Pin PGA Package	NT -ADP-68/PLCC/ET 68 Pin Deep Socket NT -ADP-68/PLCC/EDI 68 Pin Low Profile		NT -ADP-68/CLIP/EDI 68 Pin clip-over
8XC196 NP and NU Adapters			196NP-ADP- 100 Pin QFP 196NP-ADP- 100QFP/ET 100 Pin QFP 196NP-ADP- 100SQFP/EDI 100 pin SQFP 196NP-ADP- 100SQFP/ET 100 pin SQFP	
Replacement Sockets			EDI/100QFR26-SD 100 pin ET/EPP-100-QF06-SM 100 pin EDI/100QF520-SD 100 pin ET/EPP-100-QF49-SM 100 pin	

* Denotes new item since last parts list

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Emulator to Target Adapters and Accessories

8XC196JQ, JR and JT - 52-pin PLCC

52-pin PGA socket	This adapter has a PGA socket on the bottom and the emulator connectors on the top. The 0.1-inch grid pattern is standard for through-hole PLCC sockets with pin 1 at the center of one side. This can be plugged into a PGA socket on the target which makes a solid connection to a target socket. This adapter is also used for PLCC plug type adapters.	**EMUL196-PC/JR-ADP-52/PGA**
52-pin PLCC socket	Includes EMUL196-PC/JR-ADP-52/PGA and EDI/ 51PG/PL-L. This combination performs the same function as EMUL196/JR-ADP-52/ET. Extra bottom subassemblies (EDI/ 52PG/PL-L) are available separately.	**EMUL196-PC/JR-ADP-52/PGA/ EDI**
52-pin replacement PLCC socket	A replacement 52-pin adapter, PGA socket to PLCC, for the EMUL196-PC/JR-ADP-52/PGA/ED, listed above.	**EDI/ 52PG/PL-L**
52-pin PLCC socket	A 52-pin adapter for the JQ, JR and JT.	**EMUL196-PC/JR-ADP-52/PLCC/ET**
52-pin clip-over	An adapter that clips over the user's soldered-in 52-pin PLCC 196JQ, JR and JT. This option supports ONCE mode, which disables the target controller.	**EMUL196-PC/JR-ADP-52/CLIP**

8XC194 and 8XC198 - 52-pin PLCC

52-pin PLCC socket	A 52-pin adapter for emulating the 8XC194 or 8XC198 with the KC/KD pod. Recommended for low profile sockets. The bottom subassembly portion solders to user's board.	**EMUL196-PC/ 198-ADP-52/PLCC/EDI**

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8XC194 and 8XC198 - 80-pin QFP

80-pin QFP adapter	Contact Nohau for availability. An 80-pin QFP rectangular adapter for the 194 or 198 if "no connect" pins are floating. The bottom subassembly portion solders to user's board. An additional solder-down base is available: part number EDI/80QF-R-31-SD.	**EMUL196-PC/ KC-ADP-80QFP/EDI**
80-pin replacement QFP adapter	A replacement 80-pin QFP solder-down adapter for the EMUL196-PC/ KC-ADP-80QFP/EDI, listed above.	**EDI/80QF-R-31-SD**
80-pin QFP adapter	An 80-pin QFP rectangular for the 194 or 198 if "no connect" pins are floating. The bottom subassembly portion solders to user's board. An additional solder-down base is available: part number EPP-080-QF08-SM.	**ET/ EPP-080-QF08-LG**
80-pin replacement QFP adapter	A replacement 80-pin QFP solder-down adapter for the ET/ EPP-080-QF08-LG, listed above.	**ET/EPP-080-QF08-SM**

8XC196KB, KC and KD - 68-pin PLCC

68-pin PGA socket	This adapter has a PGA socket on the bottom and the emulator connectors on the top. The 0.1-inch grid pattern is standard for through-hole PLCC sockets with pin 1 at the center of one side. This can be plugged into a PGA socket on the target which makes a solid connection to a target socket. This adapter is also used for PLCC plug type adapters.	**EMUL196-PC/KC-ADP-68/PGA**
*	Discontinued part.	EMUL196-PC/KC-ADP-68/PGA/ MCK
*	Discontinued part.	MCK/ ADP-68PGA/PLCC
68-pin low profile PLCC socket	A 68-pin adapter recommended for low profile PLCC sockets.	**EMUL196-PC/KC-ADP-68/PLCC/EDI**
68-pin deep PLCC socket	A 68-pin adapter recommended for deep PLCC sockets.	**EMUL196-PC/KC-ADP-68/PLCC/ET**
68-pin clip-over adapter for KC and KD	An adapter that clips over user's soldered-in 68-pin PLCC 196KC, KD. This option supports ONCE mode, which disables the target controller.	**EMUL196-PC/KC-ADP-68/CLIP/EDI**
68-pin clip-over adapter for KB	An adapter that clips over the user's soldered-in 68-pin PLCC 196KB. This option supports ONCE mode, which disables the target controller.	**EMUL196-PC/KB-ADP-68/CLIP/EDI**

* Denotes new item since last parts list

8XC196KB, KC and KD - 80-pin QFP

80-pin QFP footprint	Contact Nohau for availability. An 80-pin QFP rectangular adapter for the 196KB, KC and KD. The bottom subassembly portion solders to user's board. An additional solder-down base is available: part number EDI/80QF-R-31-SD.	**EMUL196-PC/ KC-ADP-80QFP/EDI**
80-pin replacement QFP footprint	A replacement 80-pin QFP solder-down adapter for the EMUL196-PC/ KC-ADP-80QFP/EDI, listed above.	**EDI/80QF-R-31-SD**
80-pin QFP footprint	An adapter for rectangular 80-pin QFP 196KB, KC and KD. The bottom subassembly portion solders to user's board. Extra bottom subassemblies (EPP-080-QF08-SM) are available separately.	**ET/ EPP-080-QF08-LG**
80-pin replacement QFP footprint	A replacement 80-pin QFP solder-down adapter for the ET/ EPP-080-QF08-LG, listed above.	**ET/EPP-080-QF08-SM**

8XC196KB, KC and KD - 68-pin CQFP

68-pin CQFP footprint	Contact Nohau for availability. A 68-pin CQFP square adapter for the 196KC and KD. An additional solder-down base is available: part number EDI/68QF50-1-SD.	**EMUL196-PC/ KC-ADP-68/CQFP/EDI**
68-pin replacement CQFP footprint	A replacement 68-pin CQFP solder-down adapter for use with the EMUL196-PC/ KC-ADP-68/CQFP/EDI, listed above.	**EDI/68QF50-1-SD**

8XC196KB, KC and KD - 68-pin PGA

68-pin PGA Flip socket	This adapter for the 196KB, KC, and KD has a PGA socket on the bottom and the emulator connectors on the top. The 0.1-inch grid pattern is for through-hole PLCC sockets with pin 1 at the corner. This can be plugged into a PGA socket on the target which makes a solid connection to a target socket. This adapter is also used for PLCC plug type adapters.	**EMUL196-PC/ KC-ADP-68/PGA/FLIP**

8XC196KQ, KR, KS and KT - 68-pin PLCC

68-pin PLCC with PGA socket	This adapter has a PGA socket on the bottom and the emulator connectors on the top. The 0.1-inch grid pattern is standard for through-hole PLCC sockets with pin 1 at the center of one side. This can be plugged into a PGA socket on the target which makes a solid connection to a target socket. This adapter is also used for PLCC plug type adapters.	**EMUL196-PC/KR-ADP-68/PGA**
*	Discontinued part.	EMUL196-PC/KR-ADP-68/PGA/MCK
*	Discontinued part.	MCK/ ADP-68PGA/PLCC
68-pin low profile PLCC socket	This is a PLCC plug adapter suitable for low profile PLCC sockets mounted on the target board.	**EMUL196-PC/KR-ADP-68/PLCC/EDI**
68-pin deep PLCC socket	This is a PLCC plug adapter suitable for deep PLCC sockets mounted on the target board.	**EMUL196-PC/KR-ADP-68/PLCC/ET**
68-pin clip-over adapter	An adapter that clips over the user's soldered-in 68-pin PLCC 196KQ, KR, KS and KT. This option supports ONCE mode, which disables the target controller.	**EMUL196-PC/KR-ADP-68/CLIP/EDI**

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8XC196NT - 68-pin PLCC

68-pin PGA socket	This adapter has a PGA socket on the bottom and the emulator connectors on the top. The 0.1-inch grid pattern is standard for through-hole PLCC sockets with pin 1 at the center of one side. This can be plugged into a PGA socket on the target which makes a solid connection to a target socket. This adapter is also used for PLCC plug type adapters.	**EMUL196-PC/NT-ADP-68/PGA**
*	Discontinued part.	EMUL196-PC/NT-ADP-68/PGA/MCK
*	Discontinued part.	MCK/ ADP-68PGA/PLCC
68-pin low profile PLCC socket	This is a PLCC plug adapter suitable for low profile PLCC sockets mounted on the target board.	**EMUL196-PC/NT-ADP-68/PLCC/EDI**
68-pin deep PLCC socket	This is a PLCC plug adapter suitable for deep PLCC sockets mounted on the target board.	**EMUL196-PC/NT-ADP-68/PLCC/ET**
68-pin clip-over adapter	An adapter that clips over the user's soldered-in 68-pin PLCC 196NT. This option supports ONCE mode, which disables the target controller.	**EMUL196-PC/NT-ADP-68/CLIP/EDI**

8XC196NP and NU - 100-pin QFP

100-pin QFP footprint	A 100-pin QFP rectangular adapter for the NP or NU. The bottom subassembly portion solders to user's board. An additional solder-down base is available: part number EDI/ 100QFR26-SD.	**EMUL196-PC/ NP-ADP100-QFP/EDI**
100-pin replacement QFP footprint	A replacement 100-pin QFP solder-down adapter for the EMUL196-PC/ NP-ADP100-QFP/EDI, listed above.	**EDI/ 100QFR26-SD**
100-pin QFP footprint	A 100-pin QFP rectangular adapter for the NP or NU. An additional solder-down base is available: part number ET/ EPP-100-QF06-SM.	**EMUL196-PC/ NP-ADP100-QFP/ET**
100-pin replacement QFP footprint	A replacement 100-pin QFP solder-down adapter for the EMUL196-PC/ NP-ADP100-QFP/ET, listed above.	**ET/ EPP-100-QF06-SM**

* Denotes new item since last parts list

8XC196NP and NU - 100-pin SQFP

100-pin SQFP footprint	A 100-pin SQFP square adapter for the NP or NU. An additional solder-down base is available: part number EDI/ 100QF520-SD.	**EMUL196-PC/ NP-ADP100-SQFP/EDI**
100-pin replacement SQFP footprint	A replacement 100-pin QFP solder-down adapter for the EMUL196-PC/ NP-ADP100-SQFP/EDI, listed above.	**EDI/ 100QF520-SD**
100-pin SQFP footprint	A 100-pin SQFP square adapter for the NP or NU. An additional solder-down base is available : part number ET/ EPP-100-QF49-SM.	**EMUL196-PC/ NP-ADP100-SQFP/ET**
100-pin replacement SQFP footprint	A replacement 100-pin QFP solder-down base for the EMUL196-PC/ NP-ADP100-SQFP/ET, listed above.	**ET/ EPP-100-QF49-SM**

Isolator Adapters

Set of four isolator strips	A set of four isolator strips that can be inserted between the pod and the adapter with individual DIP switches for each pin. This is useful for diagnosing signal conflicts between the pod and the target.	**EMUL-PC/ISO-160**

Extender

Header/pin extender	The SSQ-117-03-GD is a header/pin combination that when used in sets of four, raises the pod above the target board. This is especially useful when debugging targets installed in boxes or in places where there is not enough free space around the target for the pod. This accessory only has enough pins to support the 132-pin pods. Contact Nohau if you need support for chips with more than 132 pins.	**SAMTEC/SSQ-117-03-GD**

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