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## Target Adapters

### uPSD3200 Target Adapter Sets

- 52-pin NQ adapter set      An 52-pin adapter set for the uPSD3000 emulator. This set consists of a Tokyo Eletech 52- **EMUL51-PSD/ ADP-52-NQ-** pin NQ adapter base part # ES/000-2085, an emulator cover (YQ) part # ES/000-2087, a **Set** microcontroller cover (HQ) part # ES/000-2086, a spacer part # ES/000-3588 and the EMUL-51/ADP-uPSD3000-52 adapter mezzanine board.
- 52-pin TQ adapter set      An 52-pin adapter set for the uPSD3000 emulator. This set consists of a Tokyo Eletech 52- **EMUL51-PSD/ ADP-52-TQ-** pin TQ adapter base part # ES-000-4472, a spacer part # ES/000-2755 and the EMUL- **Set** 51/ADP-uPSD3000-52 adapter mezzanine board.
- 80-pin NQ adapter set      An 80-pin adapter set for the uPSD3000 emulator. This set consists of a Tokyo Eletech 80- **EMUL51-PSD/ ADP-80-NQ-** pin NQ adapter base part # ES/000-2174, an emulator cover (YQ) part # ES/000-2176, a **Set** microcontroller cover (HQ) part # ES/000-2175, a spacer part # ES/000-3658 and the EMUL-51/ADP-uPSD3000-80 adapter mezzanine board.
- 80-pin TQ adapter set      An 80-pin adapter set for the uPSD3000 emulator. This set consists of a Tokyo Eletech 80- **EMUL51-PSD/ ADP-80-TQ-** pin TQ adapter base part # ES-000-4532, a spacer part # ES/000-2865 and the EMUL- **Set** 51/ADP-uPSD3000-80 adapter mezzanine board.

**Note:** The emulator will connect directly to the ST uPSD3200 evaluation board. No target adapter is needed. The uPSD3000 chip must be removed from the target to use the emulator.

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## Target Adapters (continued)

### uPSD3200 Individual Target Adapters

#### uPSD3200 52-pin replacement adapter components

52-pin NQ adapter base	A replacement 52-pin solder-down adapter NQ base.	ES/000-2085
52-pin HQ microcontroller cover	A replacement 52-pin NQ microcontroller cover (HQ).	ES/000-2086
52-pin YQ emulator cover	A replacement 52-pin NQ emulator cover (YQ).	ES/000-2087
52-pin NQ spacer	A replacement 52-pin NQ spacer between the solder-down base and the adapter.	ES/000-3588
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52-pin TQ adapter base	A replacement 52-pin TQ solder-down adapter base.	ES/000-4472
52-pin TQ spacer	A replacement 52-pin TQ spacer between the solder-down base and the adapter.	ES/000-2755

#### uPSD3200 80-pin replacement adapter components

80-pin NQ adapter base	A replacement 52-pin solder-down adapter NQ base.	ES/000-2174
80-pin HQ microcontroller cover	A replacement 52-pin NQ microcontroller cover (HQ).	ES/000-2175
80-pin YQ emulator cover	A replacement 52-pin NQ emulator cover (YQ).	ES/000-2176
80-pin NQ spacer	A replacement 52-pin NQ spacer between the solder-down base and the adapter.	ES/000-3658
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80-pin TQ adapter base	A replacement 52-pin TQ solder-down adapter base.	ES/000-4532
80-pin TQ spacer	A replacement 52-pin TQ spacer between the solder-down base and the adapter.	ES/000-2865

### uPSD3000 Chip

3V chip	3V version of the chip for POD-51-uPSD3000.	ST/PSD834F2V-70
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### Target Adapters (continued)

#### Adapters for 40-pin Pods

40-pin DIP to 44-pin PLCC	EDI/40D/44PL-8051-L adapter, 40-pin DIP socket to 44-pin PLCC plug.	<b>EMUL51-PC/ DIP40-PLCC44</b>
Extender cable	EDI/EXT40D-2/6R extender cable, 6-inch, for 40-pin DIP.	<b>EMUL51-PC/ EXT-DIP40</b>
40-pin DIP isolator	Additional 40-pin DIP isolator.	<b>EMUL51-PC/ DIP40-ISO</b>
40-pin DIP to 44-pin QFP	Adapter assembly, 40-pin DIP socket to 44-pin QFP Square 0.031-inch pitch, Solder-Down, 8051 family. Includes one top and one 44QFS31-SD base to solder to user target board.	<b>EDI/ 40D/ 44QFS31-SD-8051</b>
* 44-pin PLCC into a 40-pin DIP	Adapter for the top side of some Nohau 40-pin pods to allow you to place a 44-pin PLCC part into a 40-pin DIP socket on your Nohau pod. (This adapter is not for the target connection side.)	<b>EDI/44PL/40D-S-8051</b>
Replacement base	Additional base only: 44-pin QFP Square 0.031-inch pitch Solder-Down base for EDI/40D/44QFS31-8051. To solder to an additional target board.	<b>EDI/44QFS31-SD</b>
40-pin DIP to 44-pin QFP	40-pin DIP socket to 44-pin QFP solder-on pattern.	<b>ET/AS-DIP-QF16S-8031/51</b>

#### Atmel Adapters for 40-pin Pods

40-pin DIP pod to 20-pin	Adapts 40-pin DIP pod to 20-pin Small Outline .300-inch solder down pattern for 8051 family pods to 2051 and 1051 targets. Does not emulate on-chip comparator.	<b>EDI/40D/20S030-SD-8051/2051</b>
40-pin DIP socket	Adapter to emulate Atmel AT89C2051, AT89C1051 using POD-C52. 40-pin DIP socket accepts either pod. 20-pin DIP plug to target system.	<b>EMUL51-PC/ ATMEL2051</b>

#### Adapters for 44-pin Pods

44-pin PGA to 44-pin PLCC	EDI/44PG/PL-L adapter, 44-pin PGA socket to 44-pin PLCC plug.	<b>EMUL51-PC/ PGA44-PLCC44</b>
44-pin PGA to 44-pin PLCC	EDI/2E44PG/PL extender-adapter, 44-pin PGA socket to 44-pin PLCC plug rigid 2-inch elevator or tower.	<b>EMUL51-PC/ PGA44-PLCC44-EL2</b>
DIP adapter	EDI/44PG/40D-550-S adapter to use POD-C550-PGA in a target with a DIP socket.	<b>EMUL51-PC/ PGA44-DIP40-C550</b>
44-pin PGA to 44-pin PLCC	Adapter assembly, 44-pin PGA socket to 44-pin PLCC, to solder to user target board. Includes one top and one EDI/44LC-SD base.	<b>EDI/ 44PG/LC-SD</b>
Replacement base	Additional base only. 44-pin PLCC solder down base for EDI/44G/LC-SD.	<b>EDI/ 44LC-SD</b>
44-pin PGA to 44-pin QFP	Adapter assembly, 44-pin PGA socket to 44-pin QFP Square 0.031-inch pitch, Solder-Down, 8051 family. Includes one top and one EDI/44QFS31-SD base to solder to user target board.	<b>EDI/44PG/ QFS31-SD</b>
* 44-pin PGA to 40-pin DIP	Adapter for 44-pin PGA to a 40-pin DIP	<b>EDI/44PG/40D-S-8051</b>

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### Target Adapters (continued)

#### Adapters for 52-pin Pods

52-pin PGA to 52-pin PLCC	EDI/52PG/PL-L adapter, 52-pin PGA socket to 52-pin PLCC plug.	<b>EMUL51-PC/ PGA52-PLCC52</b>
52-pin PGA to 40-pin DIP	Adapter, 52-pin PGA socket to 40-pin DIP, to plug into 80C320 or 8XC520 DIP target with POD-C520-PGA. (530/520 family).	<b>EDI/ 52PG/40D-530/520-S</b>
52-pin PGA to 44-pin PLCC	Adapter, 52-pin PGA socket to 44-pin PLCC, to plug into 8XC520 PLCC target with POD-C520-PGA.	<b>EDI/ 52PG/44PL-530/520</b>
52-pin PGA to 44-pin Quad Flat Square	Adapter, 52-pin PGA socket to 44-pin Quad Flat Square 0.031-inch pitch, solder-down, for 8XC520 target with POD-C520-PGA.	<b>EDI/52PG/44QFS31-SD-530/520</b>

#### Adapters for 68-pin Pods

68-pin PGA to 68-pin PLCC	EDI/68PG/PL adapter, 68-pin PGA socket to 68-pin PLCC plug.	<b>EMUL51-PC/ PGA68-PLCC68</b>
68-pin PGA	EDI/ISV68PG/PG isolator, 68-pin PGA.	<b>EMUL51-PC/ PGA68-ISO</b>
68-pin PGA to 68-pin PLCC	EDI/ISV68PG/PL adapter-isolator, 68-pin PGA to 68-pin PLCC.	<b>EMUL51-PC/ PGA68-ISO-PLCC68</b>
68-pin PGA socket to 80-pin QFP	Adapter assembly, 68-pin PGA socket to 80-pin QFP Rectangular 0.031-inch pitch, solder-down, 8XC552. Includes one top and one 80QFR31-SD base to solder to user target board.	<b>EDI/68PG/80QFR31-SD-552</b>
68-pin PGA socket to 80-pin QFP	Adapter, same as 68PG/80QFR31-SD-552, but for 8XC592.	<b>EDI/68PG/80QFR31-SD-592</b>
Replacement base	Additional base only: 80-pin QFP Rectangular 0.031-inch pitch solder-down base for 68PG/80QFR31-552. To solder to an additional target board.	<b>EDI/ 80QFR31-SD</b>
Clip over adapter	Adapter for 8XC51GB PLCC microcontroller. Clips over target DIP microcontroller. Disables target micro to allow emulation without removing target chip. Uses on-chip emulation (ONCE) disable feature.	<b>EDI/ONCE68PG/PL-CLP-51GB</b>

#### Adapters to QFP 80 for Specific Pods

80-pin QFP	Adapter for 80-pin QFP. Solders to user target board. For POD-C558-16 and POD-598-KIT. Optional for POD-5001.	<b>ET/ EPP-080-QF08-LG</b>
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#### Adapters for POD-51EH-C505L

80-pin QFP	Emulation Solutions 80-pin QFP adapter for POD-51EH-C505L. Solders to user target board.	<b>ES/180-5550-65</b>
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#### Adapters for POD-51EH-C508

64-pin MQFP	Emulation Solutions 64-pin MQFP adapter for POD-51EH-C508.	<b>ES/180-5545-00</b>
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## Target Adapters (continued)

### Adapters for POD-51EH-C515

80-pin QFP	Emulation Solutions 80-pin QFP adapter for POD-51EH-C515. Solders to user target board. This adapter has a socket that accepts a regular chip when the pod is not plugged into an adapter.	<b>ES/180-5550-40</b>
80-pin QFP	Emulation Solutions 80-pin QFP adapter for POD-51EH-C515. Solders to user target board.	<b>ES/180-5550-45</b>

### Adapters for POD-51EH-C515A

68-pin PLCC adapter	Emulation Solutions 68-pin PLCC adapter for POD-51EH-C515 and POD-51EH-C515A.	<b>ES/180-3960-10</b>
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### Adapters for POD-51EH-C515C

80-pin QFP	Emulation Solutions 80-pin QFP adapter for POD-51EH-C515C. Solders to user target board. This adapter has a socket that accepts a regular chip when the pod is not plugged into an adapter.	<b>ES/180-5550-50</b>
80-pin QFP	Emulation Solutions 80-pin QFP adapter for POD-51EH-C515C. Solders to user target board. Includes one ES/000-4534 base. Additional bases are available separately.	<b>ES/180-5550-55</b>
Add. solder-down base	Additional solder-down base for the 80-pin QFP.	<b>ES/000-4534</b>

### Adapters for POD-51EH-C517A

84-pin PLCC	Emulation Solutions 84-pin PLCC adapter for POD-51EH-C517A. Plugs into an 84-pin PLCC socket.	<b>ES/180-3975-10</b>
100-pin QFP	Emulation Solutions 100-pin QFP adapter for POD-51EH-C517A. Solders to user target board.	<b>ES/180-5690-10</b>
100-pin QFP	Emulation Solutions 100-pin QFP adapter for POD-51EH-C517A. Solders to user target board. This adapter has a socket that accepts a regular chip when the pod is not plugged into an adapter.	<b>ES/180-5690-20</b>

### Adapters for POD-51EH-C541U

Replacement 44-pin PLCC	Replacement Emulation Solutions 44-pin PLCC adapter for the discontinued POD-51EH-C541U. Plugs into a 44-pin PLCC socket.	<b>ES/180-3900-00</b>
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### Adapters for 931xX Pods

Replacement 64-pin PQFP	Replacement adapter for the discontinued POD-931xX-12 pods, solder-down, for 64-pin PQFP package.	<b>ES/180-1400-00</b>
Replacement 64-pin SDIP	Replacement adapter for the discontinued POD-931xX-12 pods, solder-down, for 64-pin SDIP package.	<b>ES/180-1400-01</b>
Replacement 68-pin PLCC	Replacement adapter for the discontinued POD-931xX-12 pods, plugs into 68-pin PLCC socket.	<b>ES/180-3950-10</b>

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## Miscellaneous Options: Cables and Extenders

Extractor	Extractor tool for PLCC parts.	<b>QILEXT-1</b>
Wires	E-Z-Hook 203XM-12-GRN wires for trace. E-Z-Hook is a registered trademark of Tektest, Inc.	<b>EMUL51-PC/ EZ</b>
18 inch cable	For Pods 51HB, 51T and 51TS running above 18 MHz in X2 mode or above 33 MHz in X1 mode. 18-inch substitute for 5-foot pod cable as part of an emulator order. Part number is CBL-18. If ordered in addition to the normal system. <i>If you Substitute the normal 5-foot cable for the 18-inch cable there will be no cost.</i>	<b>EMUL-PC/ CBL18</b>
10 foot substitute cable	10-foot substitute for 5-foot pod cable as part of an emulator order. Augat SF250-122A0-B2. Recommended only for External Mode pods 20 MHz or lower. Not recommended for special emulation pods, hooks mode pods, 80C320, EA, HF, or 24 MHz or faster systems.	<b>EMUL-PC/ CBL10-S</b>
additional 10 foot cable	Additional 10-foot pod cable. Augat SF250-122A0-B2. Recommended only for external mode pods 20 MHz or lower. Not recommended for special emulation pods, hooks mode pods, 80C320, EA, HF, or 24-MHz or faster systems.	<b>EMUL-PC/ CBL10-A</b>
Replacement 5 foot cable	Replacement 5-foot pod cable. Augat SF250-062A0-162.	<b>EMUL-PC / CBL5-A</b>