



CHAMPOMATOR 2.5 Terminating Machine

Product Facts

- Low applied costs
- Terminates most jacketed cable
- Straight (180°) or right-angle (90°) wire dress
- Microprocessor controlled
- Stored program capability
- Selective termination of connector positions
- Rapid tooling changeover for different connector types
- Manufactured under an ISO 9001 Certified Quality System

The **CHAMPOMATOR 2.5 Terminating Machine** is a compact, semiautomatic bench machine for terminating multiconductor, jacketed cable with a variety of TE connectors having insulation displacement contacts. It is microprocessor controlled, and programmed using a membrane-switch keyboard. Pertinent information for operation, including diagnostics and error conditions, is displayed on the control module.

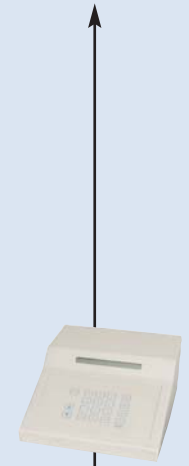
The controller's memory can store data for up to 350 cable assemblies; data is automatically retained when the controller is turned off. The operator can choose to program any number of connector contacts, such as for various RS-232 wiring patterns. The machine will automatically index the connector through the programmed termination sequence.

The machine is easy to operate. First, clamp the cable end on the machine and load the appropriate connector. Next, locate the pair of wires corresponding to the connector positions displayed on the control module. Then pull the wires downward—one in each hand on each side of the connector—along a pair of wire guides into the inserter assemblies. When the wires reach bottom, they are automatically terminated and trimmed. The machine is able to terminate just one wire at a time on either side. The mechanical retention of the wires by the contacts securely holds the wires in place while the cover is attached.

Ordering Information

Each machine is shipped with a set of tooling for a specified application. A voltage-specific controller must be ordered separately for each Model 2.5 machine. Accessories are required for some connectors and must be ordered separately for each size connector.

Insulation Displacement Connector		Machine Part Numbers (Includes Tooling)	Required Accessory Part Numbers (Order Separately, Based on Connector Size)				Controller Part Numbers (Voltage-Specific)	
Product Family	Style		Connector Tie Bar		Nest for Plugs			Nest for Receptacles
			Size	Part Number	Size	Part Number	Size	Part Number
Subminiature D Connectors (AMPLIMITE)	.050 Series	354786-1	20	762637-1	60	762637-5		
			26	1-762637-1	68	762637-6		
			26-Slimline	1-762637-3	80	762637-7		
			28	1-762637-2	100	762637-9		
			40	762637-3	120	1-762637-0		
			50	762637-4				
	.050 Series Back-to-Back	1-354786-8	-					
	HDE	354786-4	Nest for Plugs		Nest for Receptacles			
			Size	Part Number	Size	Part Number		
9			764000-1	9	764001-1			
15			764000-2	15	764001-2			
19			764000-5	19	764001-5			
25	764000-3	25	764001-3					
37	764000-4	37	764001-4					
CHAMP Connectors	Standard	354786-2 (180° Dress) 354786-3 (90° Dress)						
	0.8 mm Series	354786-7 (180° Dress)						
	.050 Series	354786-6						
	Category 5	354786-8 (90° Dress)						
		1-354786-5 (180° Dress)						
	24-Pos. Back-to-Back	1-354786-6 (90° Dress)						
With a Clamp	1-354786-7							
AMPMODU Connectors	MT	354786-9 (180° Dress) 1-354786-0 (90° Dress)	Connector Spacer					
			Size	Part Number	Size	Part Number		
			6	854028-1	26	1-854028-1		
			8	854028-2	28	1-854028-2		
			10	854028-3	30	1-854028-3		
			12	854028-4	32	1-854028-4		
			14	854028-5	34	1-854028-5		
			15	854028-6	40	1-854028-6		
			18	854028-7	50	1-854028-7		
			20	854028-8	60	1-854028-8		
			22	854028-9	64	1-854028-9		
			24	1-854028-0				
	Level V	1-354786-1 (180° Dress) 1-354786-2 (90° Dress)	Connector Spacer					
			Size	Part Number	Size	Part Number		
			8	854041-1	24	854041-7		
			10	854041-2	28	854041-8		
			12	854041-3	30	854041-9		
			16	854041-4	32	1-854041-0		
18	854041-5	40	1-854041-1					
20	854041-6							



A Controller must be ordered separately for each Model 2.5 Machine.

852423-1
(U.S.A./120 VAC)

852423-3
(Europe/230 VAC)

Need More Information?

For information about tooling, call 1-800-522-6752 or e-mail toolsales@te.com.

Engineering Review and Machine Orders

Refer to the Wire Accommodation section of the appropriate connector catalog, as referenced below, to determine if the customer wire has been approved by TE.

CHAMPOMATOR 2.5

Length — 24 [610]
Width — 24 [610]
Height — 12 [305]
Weight — 75 lb [34 kg]
Air Requirements—
 80 psi [5.52 bar] at
 .75 scfm [0.000354 m³/s]
Cycle Time (Typ.) —
 3-5 minutes (24-pos. connector),
 5-7 minutes (50-pos. connector)
Customer Manual — 409-5839

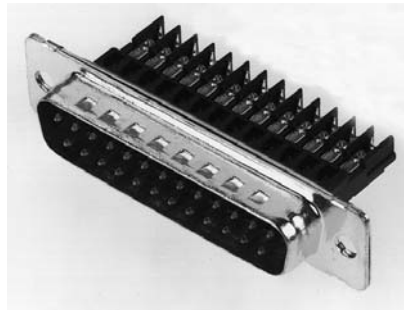
Controller

Length — 17 [440]
Width — 11 [285]
Height — 6 [150]
Weight — 21 lb [9 kg]
Electrical Requirements —
 120 VAC (U.S.A.), or 230 VAC
 (Europe); 50/60 Hz; 4 A
Customer Manual — 409-5791

IDC Connectors Applied



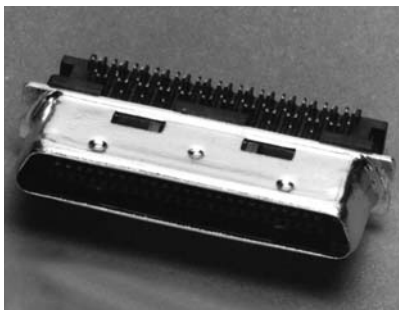
AMPLIMITE .050 Connector (Catalog 82068)



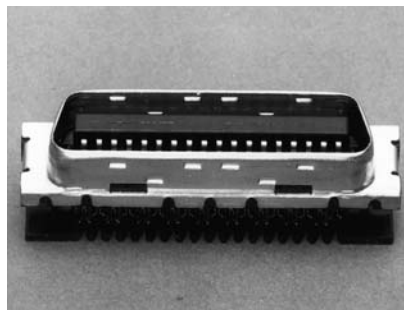
AMPLIMITE HDE Connector (Catalog 82068)



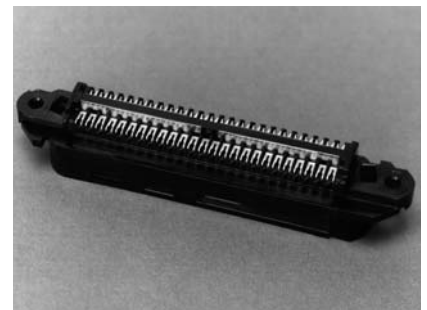
CHAMP Connector (Catalog 82008)



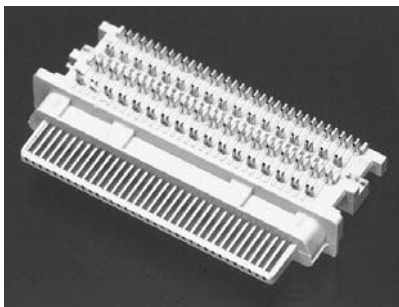
CHAMP 0.8 mm Connector (Catalog 65972)



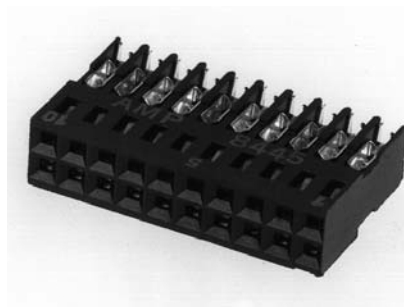
CHAMP .050 Series Connector (Catalog 82244)



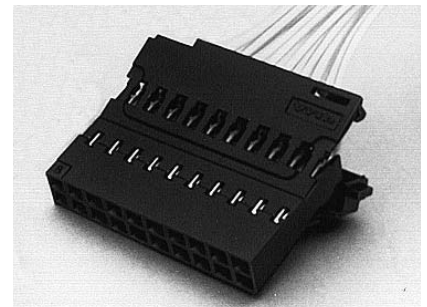
CHAMP Category 5 Connector (Catalog 296129)



CHAMP 0.8 mm Offset Plug (Part No. 787672-1)



AMPMODU MT Connector (Catalog 82104)



AMPMODU Level V Connector (Catalog 65816)

Need More Information?

For information about tooling, call 1-800-522-6752 or e-mail toolsales@te.com.

tooling.te.com
tooling.te.com/china
tooling.te.com/europe

Catalog 82247 / 05-12 / Application Tooling
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