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Installation Instructions

SLC 500™ Memory Modules for Fixed and Modular Controllers

(Cat. No. 1747-M1, 1747-M2, 1747-M13)

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Installation Instructions

English Section

SLC 500™ Memory Modules for Fixed and Modular Controllers

(Cat. No. 1747-M1, 1747-M2, 1747-M13)

Memory Module Compatibility

ATTENTION



If you are using a *1747-M15 memory module adaptor* to program a *1747-M13 memory module*, you must use the **Series B** 1747-M15 memory module adaptor. If you use the **Series A** 1747-M15 memory module adaptor, you may damage the memory module, the PROM programming equipment, or both.

Specification	Fixed SLC	SLC 5/01		SLC 5/02	SLC 5/03	SLC 5/04	SLC 5/05
		1747-L511	1747-L514	1747-L524	1747-L531 1747-L532	1747-L541 1747-L542 1747-L543	1747-L551 1747-L552 1747-L553
M1	•	•	•	•			
M2	•	•	•	•			
M13					•	•	•
Firmware Version					Series C OS302 or higher	Series C OS401 or higher	Series C OS501 or higher

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Memory Module Installation

Always turn off power to the controller before removing the processor and inserting the memory module. This guards against possible damage to the module and undesired processor faults. Memory modules have connectors that are "keyed" to guard against improper installation.

ATTENTION

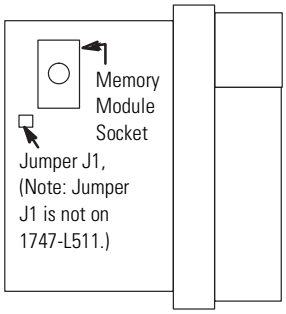


To avoid potential damage to the memory modules, handle them by the ends of the carrier or edges of the plastic housing. Skin oil and dirt can corrode metallic surfaces, inhibiting electrical contact. Also, do not expose memory modules to surfaces or areas that may typically hold an electrostatic charge. Electrostatic charges can alter or destroy memory.

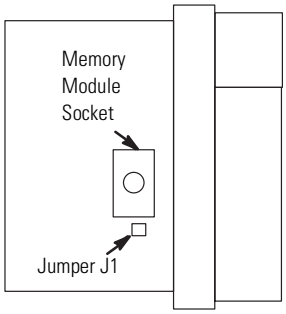
When product or packaging is marked, the product is CE compliant for all applicable directives.

Modular Controller

Side View of SLC Processor
1747-L511, -L514, and -L524 Series B



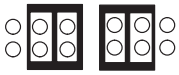
Side View of SLC Processor
1747-L524 Series C



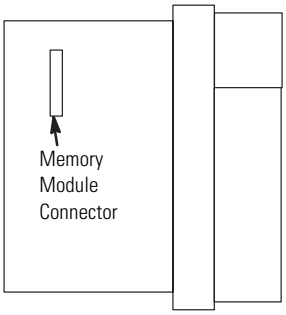
Jumper J1 setting for M1 and M2 memory module.



Invalid J1 jumper settings.



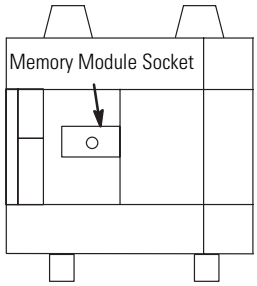
Side View of SLC Processor
1747-L531, 1747-L532, 1747-L541, 1747-L542, 1747-L542P, 1747-L543, 1747-L543P, 1747-L551, 1747-L552, 1747-L553, and 1747-L553P



1. If the processor module is installed in the chassis, turn off power to the controller.
2. Remove the module by pressing the retainer clips at both the top and bottom of the module and sliding it out.
3. Locate the socket on the 1747-L511, -L514, and -L524 processor boards or the connector on the 1747-L531, -L532, -L541, -L542, -L542P, -L543, -L543P, -L551, -L552, -L553, and -L553P processor boards. Place the memory module onto the socket or connector and press firmly in place.
4. Place jumper J1 as shown above on the -L514 and -L524 processors.
5. Install the processor module into the chassis.
6. Restore power to the controller.

Fixed Controller

Front View of 20 I/O Fixed Controller



1. Turn off power to the controller.
2. Remove the processor compartment cover.
3. Locate the socket on the PC board.
4. Position the module correctly over the socket and press the module firmly into place. (The memory module is keyed for proper installation.)
5. Replace the processor compartment cover.
6. Restore power to the controller.

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Notice d'installation

Section en français

Modules mémoire SLC 500™ blocs et modulaires

(Réf. 1747-M1, 1747-M2, 1747-M13)

Compatibilité des modules mémoire

ATTENTION



Si vous utilisez un *adaptateur pour module mémoire 1747-M15* pour programmer un *module mémoire 1747-M13*, vous devez utiliser un adaptateur 1747-M15 de **série B**. Si vous utilisez un adaptateur 1747-M15 de **série A**, vous risquez d'endommager le module mémoire, l'équipement de programmation de la mémoire PROM ou les deux.

Module mémoire	Bloc	SLC 5/01		SLC 5/02	SLC 5/03	SLC 5/04	SLC 5/05
		1747-L511	1747-L514	1747-L524	1747-L531 1747-L532	1747-L541 1747-L542 1747-L543	1747-L551 1747-L552 1747-L553
M1	•	•	•	•			
M2	•	•	•	•			
M13					•	•	•
Version de firmware					série C OS302 ou ultérieur	série C OS401 ou ultérieur	série C OS501 ou ultérieur

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Installation des modules mémoire

Afin d'éviter l'endommagement du module et des défauts processeurs indésirables, coupez toujours l'alimentation de l'automate avant de retirer le processeur et d'insé rer le module mémoire. Les modules mémoires sont dotés de connecteurs « réglés » de façon à éviter une installation incorrecte.

ATTENTION

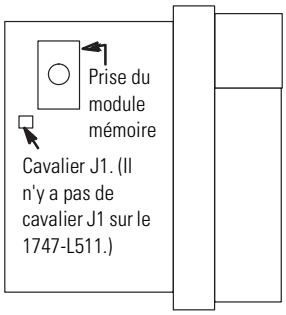


Pour éviter tout dégât éventuel aux modules mémoire, tenez-les par les extrémités du porte-module ou par les bords du boîtier plastique. La transpiration de la peau et l'encrassement peuvent corroder les surfaces métalliques et perturber les contacts électriques. D'autre part, n'exposez pas les modules mémoire à des endroits ou zones en général chargés d'électricité statique. Les charges électrostatiques peuvent altérer ou détruire la mémoire.

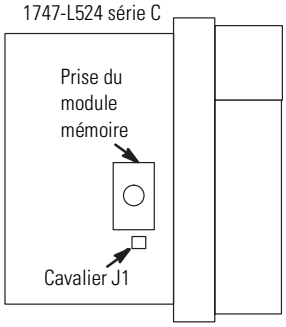
Lorsque le produit ou l'emballage porte la marque CE, le produit est conforme à toutes les directives de la Communauté européenne en vigueur.

Automate modulaire

Vue latérale des processeurs SLC 1747-L511, -L514 et -L524 série B



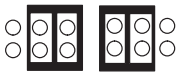
Vue latérale du processeur SLC 1747-L524 série C



Positionnement du cavalier J1 pour les modules mémoire M1 et M2

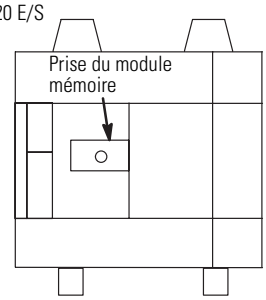


Positionnements incorrects du cavalier J1.

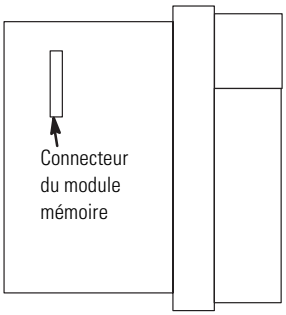


Automate bloc

Vue face avant de l'automate bloc à 20 E/S



Vue latérale des processeurs SLC 1747-L531, 1747-L532, 1747-L541, 1747-L542, 1747-L542P, 1747-L543, 1747-L543P, 1747-L551, 1747-L552, 1747-L553, et 1747-L553P



1. Si le module processeur est installé dans le châssis, mettez l'automate hors tension.
2. Enlevez le module en appuyant sur les brides de blocage situées sur le dessus et le dessous de celui-ci et en le tirant vers soi.
3. Localisez la prise sur la carte des processeurs 1747-L511, -L514 et -L524 ou le connecteur sur la carte des processeurs 1747-L531, -L532, -L541, -L542, -L542P, -L543, -L543P, -L551, -L552, -L553, et -L553P. Posez le module mémoire sur la prise ou le connecteur et appuyez fermement pour le mettre en place.
4. Positionnez le cavalier J1 comme indiqué ci-dessus pour les processeurs -L514 et -L524.
5. Installez le module processeur dans le châssis.
6. Remettez l'automate sous tension.

1. Mettez l'automate hors tension.
2. Enlevez le couvercle du compartiment processeur.
3. Localisez le prise sur la carte du processeur.
4. Positionnez correctement le module sur la prise et appuyez fermement pour le mettre en place. (Le module mémoire est réglé de façon à assurer son installation correcte.)
5. Replacez le couvercle du compartiment processeur.
6. Remettez l'automate sous tension.

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Installationsanleitung

Deutscher Abschnitt

Speichermodule für die modularen und festen Steuerungen SLC 500™

(Bestell-Nr. 1747-M1, 1747-M2, 1747-M13)

Kompatibilität der Speichermodule

ACHTUNG



Wenn Sie für die Programmierung des *Speichermoduls 1747-M13 einen Speichermoduladapter 1747-M15* verwenden, muss dies ein Adapter der **Serie B** sein. Wenn Sie den Speichermoduladapter 1747-M15 der **Serie A** verwenden, können das Speichermodul und/oder die PROM-Programmierausrüstung beschädigt werden.

Speicher-modul	**Feste SLC**	**SLC 5/01**		**SLC 5/02**	**SLC 5/03**	**SLC 5/04**	**SLC 5/05**
		1747-L511	**1747-L514**	**1747-L524**	**1747-L531 1747-L532**	**1747-L541 1747-L542 1747-L543**	**1747-L551 1747-L552 1747-L553**
M1	•	•	•	•			
M2	•	•	•	•			
M13					•	•	•
Firmware-Version					Serie C OS302 oder höher	Serie C OS401oder höher	Serie C OS501 oder höher

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Installation der Speichermodule

Schalten Sie die Stromversorgung zur Steuerung stets aus, bevor Sie den Prozessor ausbauen und das Speichermodul einsetzen. Sie vermeiden somit mögliche Schäden am Modul und unerwünschte Prozessorstörungen. Speicher-module sind zum Schutz vor unvorschriftsmäßiger Installation "kodiert".

ACHTUNG

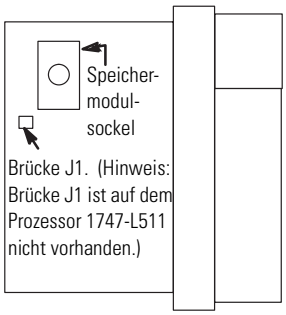


Um eine mögliche Beschädigung der Speichermodule zu vermeiden, solten sie diese bei den Enden des Trägers oder bei den Kanten des Kunststoffgehäuses anfassen. Durch Hautöl und Schmutz können metallische Flächen korrodieren und somit elektrische Kontakte beeintächtigen. Setzen Sie Speichermodule außerdem keinen Flächen oder Bereichen aus, die normalerweise eine elektrostatische Ladung aufweisen können. Elektrostatische Ladungen können den Speicher verändern oder zerstören.

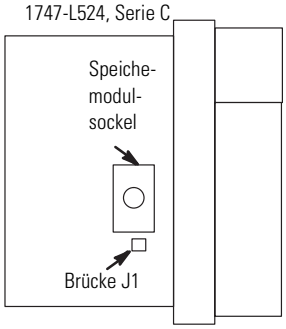
Bei entsprechender Markierung des Produkts bzw. der Verpackung erfüllt das Produkt alle anwendbaren CE-Richtlinien.

Modulare Steuerung

Seitenansicht des SLC-Prozessors 1747-L511, -L514 und -L524, Serie B



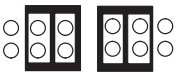
Seitenansicht des SLC-Prozessors 1747-L524, Serie C



Einstellung der Brücke J1 für die Speichermodule M1 und M2

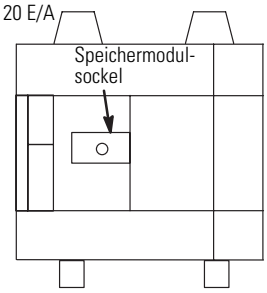


Ungültige Einstellungen der Brücke J1

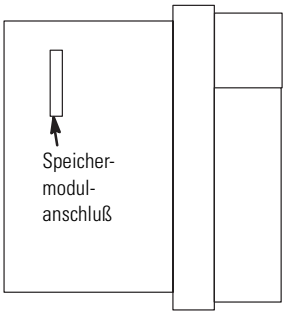


Feste Steuerung

Vorderansicht der festen Steuerung mit 20 E/A



Seitenansicht des SLC-Prozessors 1747-L531, 1747-L532, 1747-L541, 1747-L542, 1747-L542P, 1747-L543, 1747-L543P, 1747-L551, 1747-L552, 1747-L553, und 1747-L553P



1. Ist das Prozessormodul im Chassis installiert, so schalten Sie die Stromversorgung zur Steuerung aus.
2. Bauen Sie das Modul aus, indem Sie die Halteklemmen an der Ober- bzw. Unterseite des Moduls zusammendrücken und das Modul herausziehen.
3. Finden Sie den Sockel auf den Platinen der Prozessoren 1747-L511, -L514 und -L524 bzw. den Anschluß auf den Platinen der Prozessoren 1747-L531, -L532, -L541, -L542, -L542P, -L543, -L543P, -L551, -L552, -L553, und -L553P. Setzen Sie das Speichermodul in den Sockel bzw. den Anschluß, und drücken Sie es fest.
4. Stellen Sie Brücke J1 wie oben an den Prozessoren -L514 und -L524 gezeigt ein.
5. Bauen Sie das Prozessormodul in das Chassis ein.
6. Schalten Sie die Stromversorgung zur Steuerung wieder ein.

1. Schalten Sie die Stromversorgung zur Steuerung aus.
2. Nehmen Sie die Abdeckung des Prozessorfachs ab.
3. Finden Sie den Sockel auf der PC-Platine.
4. Plazieren Sie das Modul richtig über dem Sockel, und drücken Sie es fest. (Das Speichermodul ist für die ordnungsgemäße Installation kodiert.)
5. Bringen Sie die Abdeckung des Prozessorfachs wieder an.
6. Schalten Sie die Stromversorgung zur Steuerung wieder ein.

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Istruzioni per l'installazione

Sezione italiana

Moduli di memoria modulari e fissi per SLC 500™

(No. cat 1747-M1, 1747-M2, 1747-M13)

Compatibilità del modulo di memoria

ATTENZIONE



se si utilizza un *adattatore per modulo di memoria 1747-M15* per programmare un *modulo di memoria 1747-M13*, è necessario utilizzare un adattatore 1747-M15 **Serie B**. Se si utilizza un adattatore 1747-M15 **Serie A**, è possibile che il modulo di memoria o l'apparecchiatura di programmazione PROM, o entrambi vengano danneggiati.

Modulo di memoria	**Fisso SLC**	**SLC 5/01**		**SLC 5/02**	**SLC 5/03**	**SLC 5/04**	**SLC 5/05**
		1747-L511	**1747-L514**	**1747-L524**	**1747-L531** **1747-L532**	**1747-L541** **1747-L542** **1747-L543**	**1747-L551** **1747-L552** **1747-L553**
M1	•	•	•	•			
M2	•	•	•	•			
M13					•	•	•
Versione Firmware					Serie C OS302 o superiore	Serie C OS401 o superiore	Serie C OS501 o superiore

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Installazione del modulo di memoria

Prima di rimuovere il processore e di inserire il modulo di memoria, scollegare sempre la corrente al controllore per evitare possibili danni al modulo e guasti indesiderati al processore. Al fine di prevenire un'installazione scorretta, i moduli di memoria sono dotati di connettori "obbligati" .

ATTENZIONE

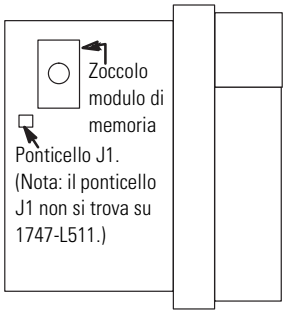


per evitare danni possibili ai moduli di memoria, prenderli per le estremità del supporto o dai bordi dell'involucro di plastica. Il grasso della pelle e la sporcizia possono corrodere le superfici o aree con possibili cariche elettorstatiche. Le cariche elettrostatiche possono alterare o distruffere la memoria.

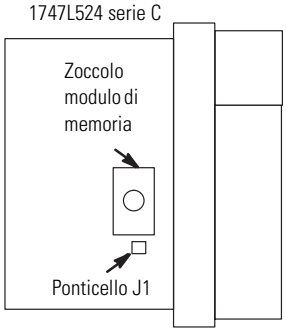
Quando il prodotto o la confezione sono marcati, il prodotto è conforme a CE per tutte le direttive applicabili.

Controllore modulare

Vista laterale del processore SLC 1747-L511, -L514 e -L524 serie B



Vista laterale del processore SLC 1747L524 serie C



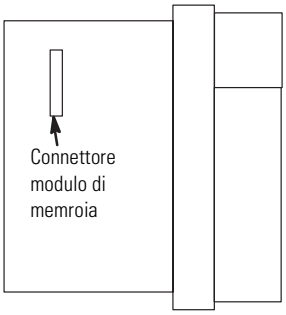
Ponticello J1 per modulo di memoria M1 e M2



Impostazioni ponticello J1 non valide.



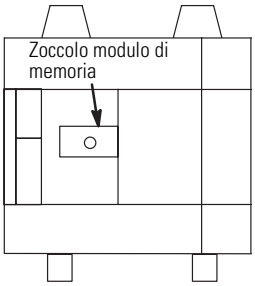
Vista laterale del processore SLC 1747-L531, 1747-L532, 1747-L541, 1747-L542, 1747-L542P 1747-L543, 1747-L543P, 1747-L551, 1747-L552, 1747-L553, e 1747-L553P



1. Se il modulo del processore è installato nello chassis, scollegare la corrente al controllore.
2. Rimuovere il modulo premendo i fermi nella parte superiore ed inferiore del modulo e poi tirandolo fuori.
3. Individuare lo zoccolo sulle schede del processore 1747-L511, -L514 e -L524 o il connettore sulle schede del processore 1747-L531, -L532, -L541, -L542, -L542P, -L543, -L543P, -L551, -L552, -L553, e -L553P. Porre il modulo di memoria sullo zoccolo o sul connettore e premerlo fermamente al suo posto.
4. Porre il ponticello J1 nel modo indicato sopra sul processore -L514 e -L524.
5. Installare il modulo del processore nello chassis.
6. Ridare corrente al controllore.

Controllore fisso

Vista anteriore del controllore fisso a 20 I/O



1. Scollegare la corrente al controllore.
2. Rimuovere il coperchio del processore.
3. Individuare lo zoccolo sulla scheda del PC.
4. Porre il modulo correttamente sullo zoccolo e premerlo fermamemnte al suo posto. (Il modulo di memoria è obbligato per garantire un'installazione corretta.)
5. Rimettere il coperchio del processore.
6. Ridare corrente al controllore.

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Instrucciones de instalación

Sección en español

Módulos de memoria para SLC 500™ modulares y compactos

(No. de cat 1747-M1, 1747-M2, 1747-M13)

Compatibilidad de los módulos de memoria

ATENCIÓN



Si usted usa un *adaptador de módulo de memoria 1747-M15* para programar un *módulo de memoria 1747-M13*, debe utilizar el adaptador de módulo de memoria 1747-M15 **Serie B**. Si usa el adaptador de módulo de memoria 1747-M15 **Serie A**, puede dañar el módulo de memoria, el equipo de programación PROM o ambos.

Módulo de memoria	Compacto SLC	SLC 5/01		SLC 5/02	SLC 5/03	SLC 5/04	SLC 5/05
		1747-L511	1747-L514	1747-L524	1747-L531 1747-L532	1747-L541 1747-L542 1747-L543	1747-L551 1747-L552 1747-L553
M1	•	•	•	•			
M2	•	•	•	•			
M13					•	•	•
Versión de firmware					Serie C OS302 o posterior	Serie C OS401 o posterior	Serie C OS501 o posterior

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Instalación del módulo de memoria

Desconecte siempre la electricidad al controlador antes de extraer el procesador e insertar el módulo de memoria. esto protege al módulo contra posible daño y contra fallos indeseados del procesador. Los módulos de memoria tienen conectores “codificados” para ecitar una instalación incorrecta.

ATENCIÓN

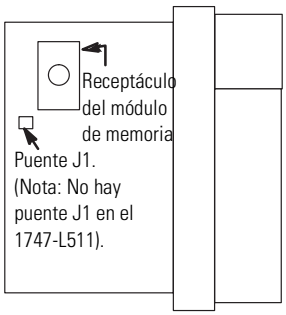


Para evitar daños potenciales a los módulos de memoria, manipúlelos por los extremos del portador o por los bordes de la cobertura de plástico. La grasa de la piel y la suciedad pueden correr las superficies metálicas, impidiendo el contacto eléctrico. además, no exponga los módulos de memoria a superficies o áreas que típicamente pueden tener una carga electrostáticas pueden alterar o destruir la memoria.

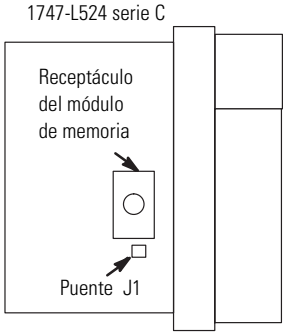
Cuando el producto o el embalaje tienen la marca, el producto cumple con los requisitos de CE respecto a todas las directivas aplicables.

Controlador modular

Vista lateral del procesador SLC 1747-L511, -L514 y -L524 serie B



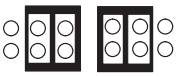
Vista lateral del procesador SLC 1747-L524 serie C



Posicionamiento del puente J1 para el módulo de memoria M1 y M2

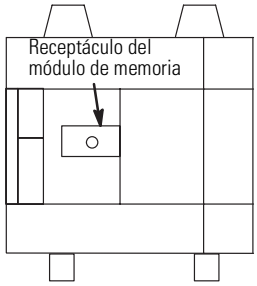


Posicionamientos inválidos del puente J1.

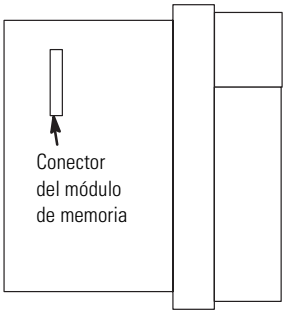


Controlador compacto

Vista frontal del controlador compacto de 20 E/S



Vista lateral del procesador SLC 1747-L531, 1747-L532, 1747-L541, 1747-L542, 1747-L542P, 1747-L543, 1747-L543P, 1747-L551, 1747-L552, 1747-L553, y 1747-L553P



1. Si el módulo procesador está instalado en el chasis, desconecte la electricidad al controlador.
2. Extraiga el módulo presionando los sujetadores de retención en la parte superior e inferior del módulo y deslícelo hacia afuera.
3. Localice el receptáculo en las tarjetas del procesador 1747-L511, -L514 y -L524, o el conector en las tarjetas del procesador 1747-L531, -L532, -L541, -L542, -L542P, -L543, -L543P, -L551, -L552, -L553, y -L553P. Coloque el módulo de memoria en el receptáculo o conector y presione firmemente para que entre en su lugar.
4. Coloque el puente J1 tal como se muestra anteriormente en los procesadores -L514 y -L524.
5. Instale el módulo procesador en el chasis.
6. Vuelva a conectar la electricidad al controlador.

1. Desconecte la electricidad al controlador.
2. Retire la cubierta del compartimiento del procesador.
3. Localice el receptáculo en la tarjeta PC.
4. Coloque el módulo correctamente sobre el receptáculo y presione el módulo firmemente para que entre en su lugar. (El módulo de memoria está codificado para una correcta instalación).
5. Vuelva a colocar la cubierta del compartimiento del procesador.
6. Vuelva a conectar la electricidad al controlador.

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