General automation | Ge fanuc 90-30 | IC693CHS398 GE FANUC

I-O Rack 5 Slot expansion baseplate

Baseplates

Series 90-30 baseplates are available in 5- and 10-slot configurations to the meet the needs of your application. You can choose expansion or remote baseplates for multi-rack systems, covering distances of up to 700 feet from the CPU. GE Fanuc offers standard length cables for easy installation and provides wiring information for custom applications.

	IC693CHS391	IC693CHS392	IC693CHS393	IC693CHS397	IC693CHS398	IC693CHS399
Product Name	**10-slot CPU Baseplate (Model 331 and above)**	**10-slot Expansion Baseplate (Model 331 and above)**	**10-slot Remote Baseplate (Model 331 and above)**	**5-slot CPU Baseplate (Model 331 and above)**	**5-slot Expansion Baseplate (Model 331 and above)**	**5-slot Remote Baseplate (Model 331 and above)**
Module Type	CPU I/O Base	Expansion I/O Base	Expansion I/O Base	CPU I/O Base	Expansion I/O Base	Expansion I/O Base
Baseplate Option	Main (With CPU Slot)	Expansion	Expansion	Main (With CPU Slot)	Expansion	Expansion
Distance	N/A	Up to 50 feet	Up to 700 feet	N/A	Up to 50 feet	Up to 700 feet
Number of Slots	10	10	10	5	5	5
Dimension (WxHxD) in. (mm)	17.44x5.12x5.59 (443x130x142)	17.44x5.12x5.59 (443x130x142)	17.44x5.12x5.59 (443x130x142)	10.43x5.12x5.59 (245x130x142)	10.43x5.12x5.59 (245x130x142)	10.43x5.12x5.59 (245x130x142)
Internal Power Used	420 mA @ 5 VDC	150 mA @ 5 VDC	460 mA @ 5 VDC	270 mA @ 5 VDC	170 mA @ 5 VDC	480 mA @ 5 VDC

Expansion Baseplates (Figures 3-6 and 3-7)

- There can be **no more** than a total of 50 feet (15 meters) of cable interconnecting Expansion baseplates and the CPU baseplate.
- An Expansion baseplate cannot stand alone. It must be connected to a system that has a CPU. The CPU can be in a PLC or in a Personal Computer that is equipped with a Personal Computer Interface Card (see Chapter 11).
- Maximum number of Expansion baseplates allowed per system depends on the type of CPU they are used with. For CPUs 331, 340, and 341, the maximum is 4. For CPUs numbered 350 and higher, the maximum is 7.
- Each Expansion baseplate has a 25-pin female D-type I/O Bus Expansion connector mounted at its right end for connection to other baseplates.
- Available in two versions; 5-slot (IC693CHS398) and 10-slot (IC693CHS392)
- An Expansion backplane does not support the following intelligent option modules: PCM, ADC, BEM330, and CMM. These modules must be mounted in a CPU baseplate. All other I/O and option modules can be mounted in any type of rack.
- All Expansion baseplates must be connected to a common ground (see the "Installation" chapter for details).
- Expansion baseplates are the same physical size, use the same type power supplies, and support the same I/O and option modules as the Remote baseplates.
- Each Expansion baseplate has a Rack Number Selection DIP switch.

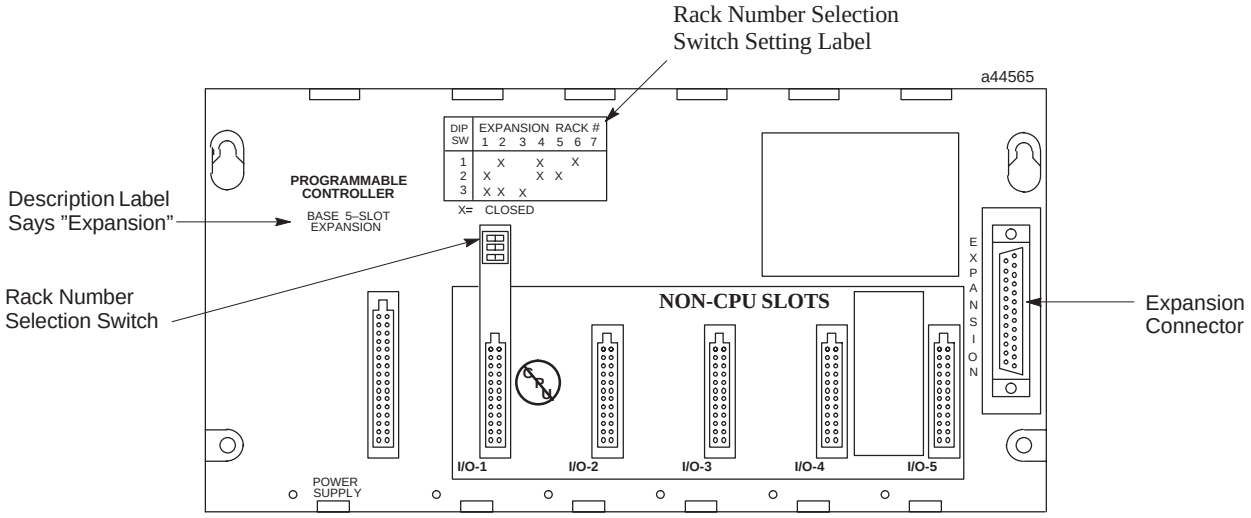

Figure 3-6. IC693CHS398 5-Slot Expansion Baseplate

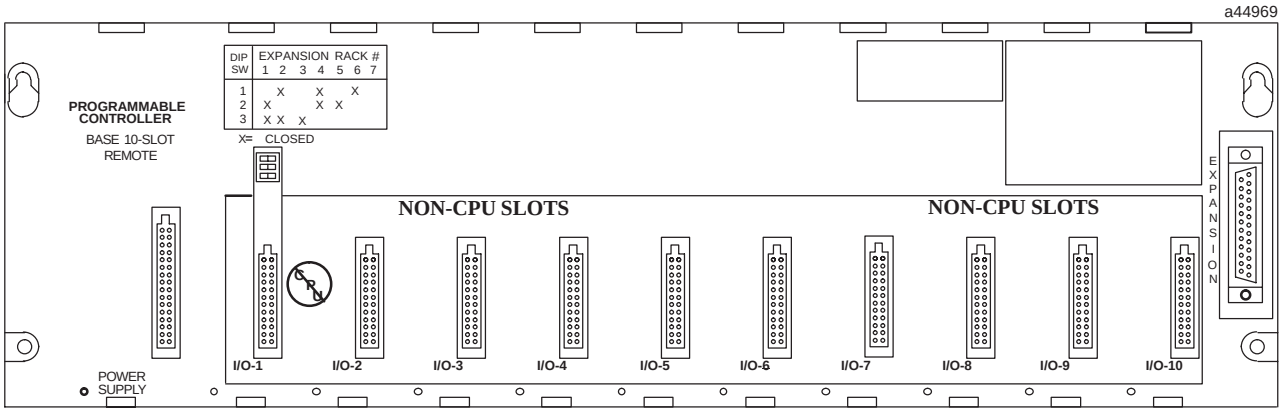

Figure 3-9. IC693CHS393 10-Slot Remote Baseplate

Remote Baseplates (Figures 3-8 and 3-9)

- There can be no more than 700 feet of cable connecting all baseplates in a system that uses Remote baseplates.
- A Remote baseplate cannot stand alone. It must be connected to a system that has a CPU. The CPU can be in a PLC or in a Personal Computer that is equipped with a Personal Computer Interface Card (see Chapter 11).
- Remote capability is facilitated by the Remote baseplate's built-in isolation between the +5 volt logic supply used by the I/O modules residing in the Remote baseplate and the supply for the interface circuit associated with the I/O Bus Expansion Interface. Isolation helps prevent problems associated with unbalanced ground conditions.
- Maximum number of Remote baseplates allowed per system depends on the type of CPU they are used with. For CPUs 331, 340, and 341, the maximum is 4. For CPUs numbered 350 and higher, the maximum is 7.
- Each remote baseplate has a 25-pin female D-type Expansion connector mounted at its right end for connection to other baseplates.
- Remote baseplates are available in two sizes; 5-slot (IC693CHS398) and 10-slot (IC693CHS392)
- A Remote backplane does not support the following intelligent option modules: PCM, ADC, BEM330, and CMM. These modules must be mounted in a CPU baseplate. All other I/O and option modules can be mounted in any type of baseplate.
- Remote baseplates are the same physical size, use the same type power supplies, and support the same I/O and option modules as the Expansion baseplates.
- Each Remote baseplate has a Rack Number Selection DIP switch.

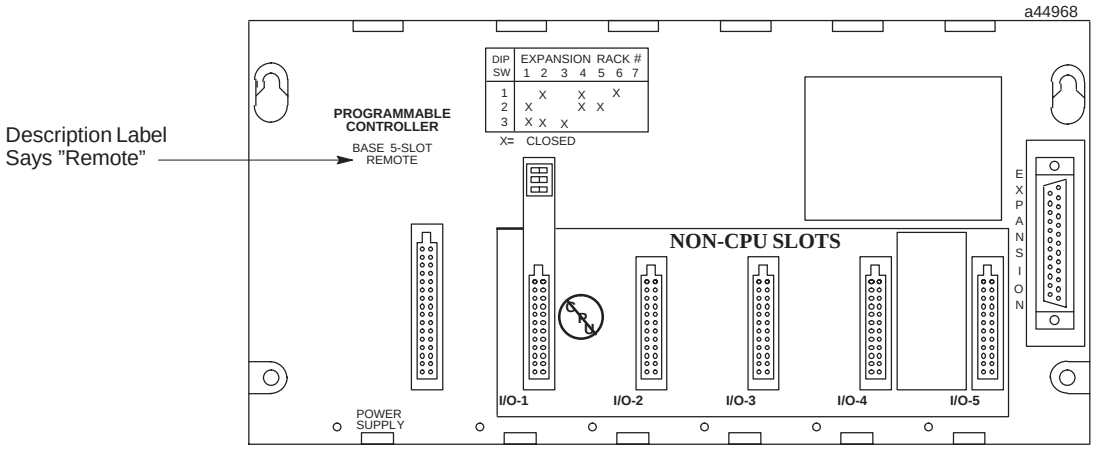

Figure 3-8. IC693CHS399 5-Slot Remote Baseplate