

# MODOR PLASTICS

## Relay Case Enclosures



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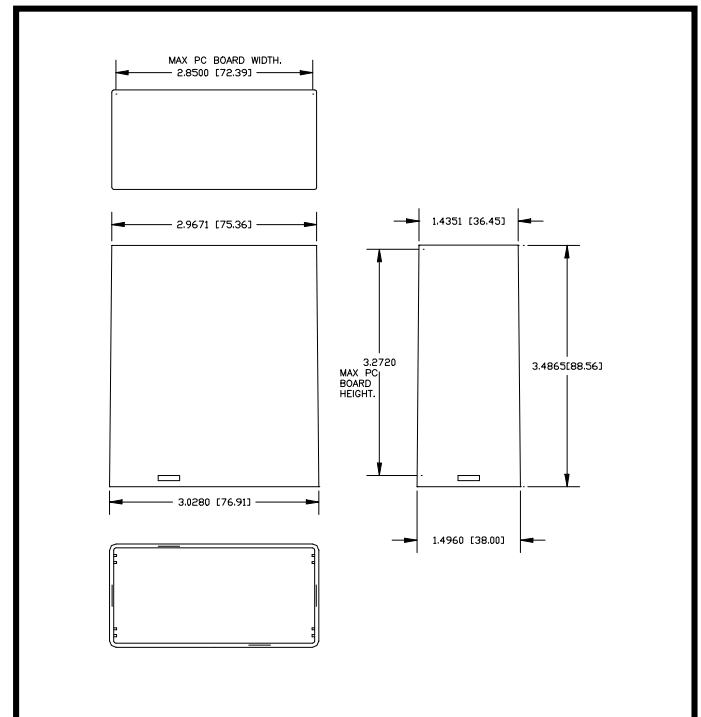
## MODOR JP Housing

Modor Plastics introduces a new member of the family of injection-molded plastic housings that provide designers with a new, modern, appearance coupled with maximum versatility for projects. The family can be used to house a variety of electronic, electrical, and electromechanical components used in a wide range of applications.

**The JP** -- The newest member of the family is the JP. Its "Euro-style" design provides a sleek alternative to standard design housings. The "snap-in" header gives designers a "tamper-proof" environment for completed electronic components.

The JP housing is made of thermoset plastics, in certified and UL approved polycarbonate. It can be color customized in black, gray, white, and a variety of colors. The light texture of the external walls was specifically developed to enhance the appearance of a manufacturer's completed assembly. Its finish has been structured so that fingerprints and equivalent markings are effectively unseen.

The housing has been developed with matching 8-pin and 11-pin octal-style headers. Both headers are available with standard hollow pins or with Modor Plastics unique Double Thru pin arrangement that eliminates pigtail wiring in the manufacturing process.



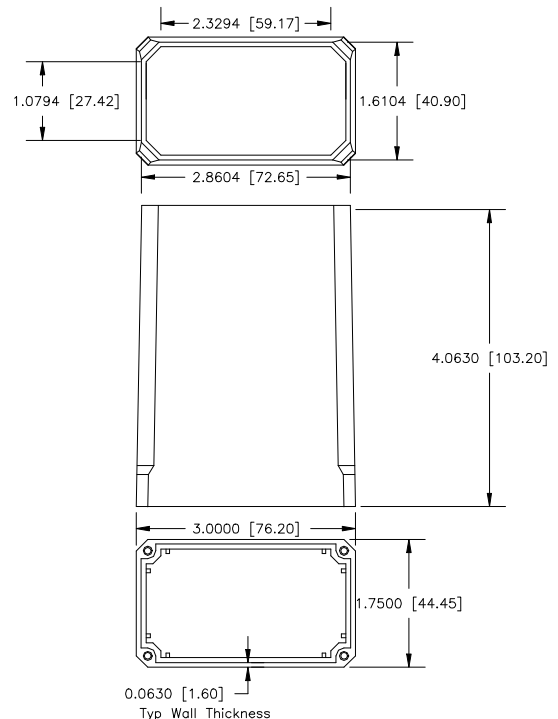
## MODOR JR Housing

Modor Plastics introduces a new family of injection-molded plastic housings that provide designers with a new, modern, appearance coupled with maximum versatility for projects. The family is designed to share a common base/header footprint, and can be used to house a variety of electronic, electrical, and electromechanical components used in a wide range of applications.

**The JR** -- First member of this housing family is the JR. Its prismatic form is consonant with the latest international styles. It has been developed so that it can secure printed-circuit cards in place, for those who need them, without the full, conventional guideways that occupy volumes that reduce the internal volume for those who don't need them. The solid-top version has a curb so that the top is recessed to protect switches or indicators such as LEDs.

The JR housing is made of thermoset plastics, in certified and UL approved polycarbonate. It can be color customized in black, gray, white, and a variety of colors. The light texture of the external walls was specifically developed to enhance the appearance of a manufacturer's completed assembly. Its finish has been structured so that fingerprints and equivalent markings are effectively unseen.

The housing has been developed with matching headers that incorporate internationally recognized connector styles. The initial header is an 11-pin, tube-base-style header, both in standard (hollow pin) style and with Modor Plastics unique Double Thru pin arrangement that eliminates pigtail wiring in the manufacturing process.



# MODOR

## PLASTICS

### MODOR Series C Molded Polycarbonate Enclosure

Modor Plastics, a leading independent manufacturer and supplier of injection molded enclosures provides the electrical equipment and electronics manufacturers with a wide variety of housings and matching headers to contain electromechanical, electrical, and electronic products. These enclosures are used to house controllers, microprocessor-based units, sensors, and relays, among other products.

The housings are made out of certified and UL approved polycarbonate material, and are available in black, white, clear, and assorted standard colors. They are available in a variety of sizes, ranging from the smallest (Model CAS) to the largest (Model CCL).



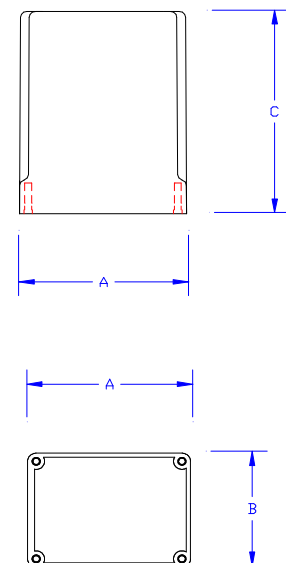
Originally developed in the 1970s by Modor Plastics, Series C housings have become an industry standard housing design. There are some units with interior guideways for printed-circuit boards, whereas others have smooth interiors for maximum space utilization for non-printed-circuit applications. The most common footprints are the CA, CB, and CC models; different heights are available for the CA, CB, and CC housings to accommodate different designs.

Headers for the housings include thermoset plastic versions with “octal-style” (8- or 11-pin) bases, blade, and in-line-pin versions. Headers are also available with metal flanges and octal-style inserts.

Modor Plastics Series C housings are available off the shelf, or in customized form. The company can provide slots, holes, and/or printing, to customer specifications.

Made from the highest quality materials, a Certificate of Compliance can be supplied with every shipment of Series C housings, if requested.

HOUSING	A	B	C
CA	1.38 (35.2)	1.38 (35.2)	1.92 (48.7)
CAS	1.38 (35.2)	1.38 (35.2)	1.55 (39.2)
CB	1.97 (50.1)	1.97 (50.1)	2.98 (75.5)
CBLP	1.97 (50.1)	1.97 (50.1)	1.57 (40.8)
CC	2.42 (61.5)	1.77 (45.0)	2.60 (66.0)
CCPC	2.42 (61.5)	1.77 (45.0)	2.60 (66.0)
CCL	2.42 (61.5)	1.77 (45.0)	3.38 (83.3)
CCLPC	2.42 (61.5)	1.77 (45.0)	3.38 (83.3)





## MODOR Double Thru Headers

Manufacturers now have an alternative to conventional wiring and soldering of pins for plugs and equipment enclosure headers. Often a production bottleneck, "pigtail" wiring, as it's frequently called, entails time-consuming wire alignment/insertion, and may be plagued by items such as cold-solder joins.

As more manufacturers are taking advantage of the time- and labor-saving advantages of printed-circuit technology, Modor Plastics is providing a simple, but effective, manufacturing alternative; Double Thru pins. The company's Double Thru plugs and pinned headers incorporate a standard pin oriented in the usual fashion, and a retrodirectional pin extension that can be used to insert into a printed-circuit card to establish connection to the internal circuitry. A single insertion and standard soldering techniques save time and material while helping to insure reliable connections.

Double Thru plugs and headers are available in a variety of pin patterns, including in-line and EIA/JEDEC patterns to fit into the popular sockets used in many industrial environments. Because of the marriage of the traditional pin/socket patterns with modern circuit-board techniques, the Double Thru plugs and headers assure designers and manufacturers that their use of a world-wide standard will extend well into the 21st Century. By using printed-circuit-board connection-insertion techniques, cross-wiring mistakes are virtually eliminated.

Because Double Thru headers extend socket-based designs, they make retrofit designs easier to develop. This enables designers to develop new units that can upgrade larger equipment with a long product life by replacing earlier pinned enclosures with newer ones with enhanced designs. New technological advances can more easily be incorporated into installed base equipment. A designer can standardize on a simple printed-circuit-card layout for upgrade packages.

Modor Plastics Double Thru pinned headers and plugs are manufactured in the United States and are orderable directly from the manufacturer, minimizing the time to process orders. For further information, or to order, please contact us.

