

**Project Description:**

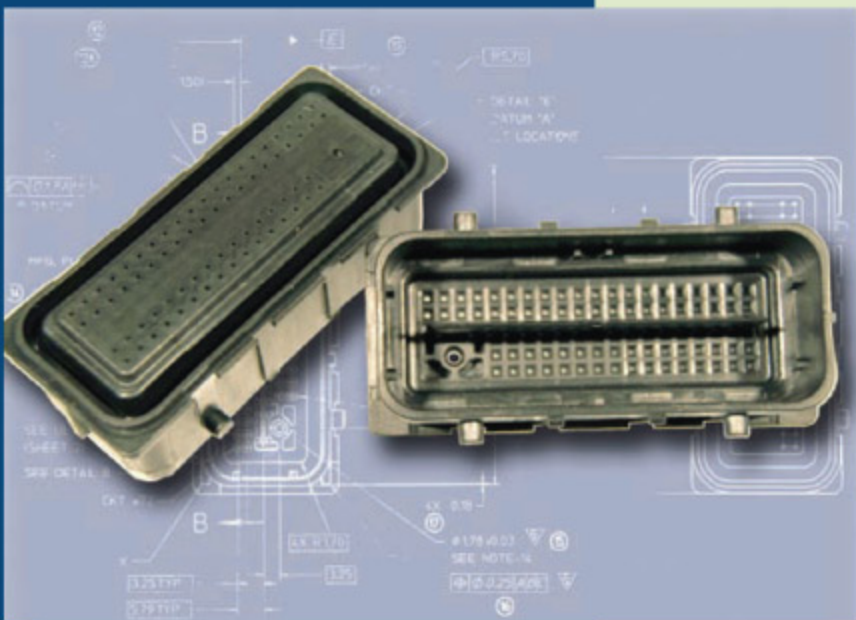
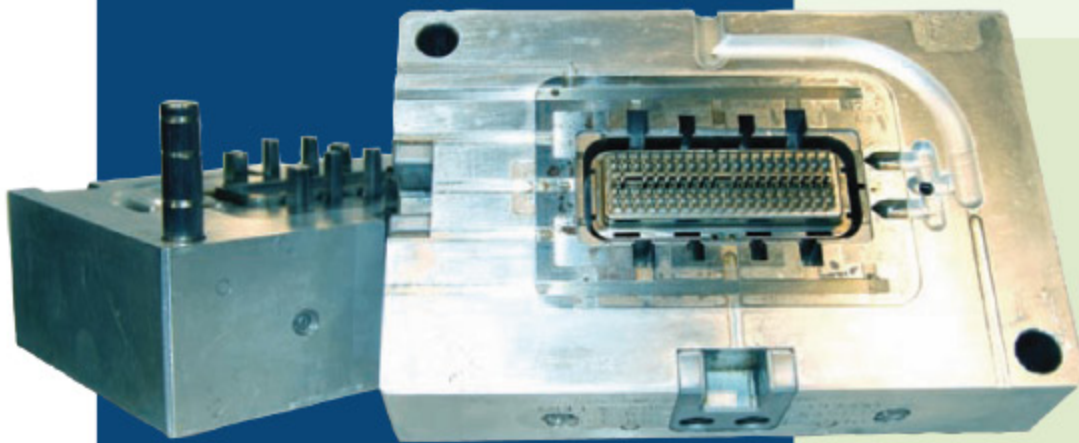
## Automotive Shroud

**Customer Challenge**

Aggressive prototype and production schedule and demands for various iterations of basic product design.

**PTI Solution**

Through design and construction of a flexible hybrid tool, PTI was able to provide customer with the capability to meet all prototype and initial production needs. Project began as a true prototype. Through the use of mold inserts, tool was made capable of producing 36 different versions of the product. This tool ultimately achieved PPAP approval and utilized for production just short of 2 years before the intended high volume tool was approved for production.



**Project Details:**

Material:	Celanex3309
Tool Type:	Hybrid
Delivery:	5 Weeks
Tool Life (Guarantee) :	10,000 pcs.

**Performance:**

Critical Dimension:	23.31mm
Tolerance:	+/- .005(.13)
Initial Capability (CPK) :	2.67
On-Going Capability (CPK):	2.56
Parts Molded to Date:	549,025 pcs.

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