



Project Description:

Electrical Component Shrouds and Wiring Channels



Customer Challenge

A Tier One auto supplier needed to develop a new, 20-part assembly within a seven-week window. Parts needed to begin the PPAP process at the seventh week. The program required the fastest path available to get products launched quicker than previous programs, and with a total savings in the overall budget. The program had extremely high visibility for both the supplier and their customer, the OE auto manufacturer. Dimensional component integrity was also a critical factor.

PTI Solution

Through the use of our P3 process (PTI Production Prototype), we provided the customer with a prototype from the final-intent production tool, which allowed them to realize a savings to their overall program cost. By building one mold for prototyping, debug, product validation, PPAP, and manufacture of 90,000 pieces, this process saved the customer more than \$300,000 compared to traditional processes that were not required based on the low-volume nature of this component.

Project Details:

Material:	PBT / Nylon / Glass / Non Glass Modified
Tool Type:	P3 Steel and Aluminum
Delivery:	7 weeks
No. Tools:	15

Performance:

Critical Dimension:	Various
Tolerance:	+/- .002 inch
Initial Capability (CPK) :	2.75
On-Going Capability (CPK):	2.80
Parts Molded to Date:	2000 pcs.

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