A diagram of a computer program

Description automatically generated

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| --- | --- | --- | --- |
| Reference | Colour | Inherits from… | Description |
| R01 |  | n/a | Folder with unused parts. |
| R02 |  | n/a | - |
| R03 |  | n/a | Subfolder of **R02.** |
| R04 |  | **R02, R08** | - |
| R05 |  | n/a | Subfolder of **R04.** |
| R06 |  | **R03, R05** | Subfolder of **R04.** |
| R07 |  | **R06, R08** | Subfolder of **R04.** |
| R08 |  | n/a | Obtained from UTSME files. |

Note: The absence of a subfolder under a main folder means the files are stored directly in the main folder.

# How to Navigate?

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| --- | --- | --- |
| ‘P29 UTSMA v2 FINAL’ (Project folder) | | |
| Main Folders | Sub-Folders | Description |
| General Components | n/a | Parts that maybe universal to the design but have not been used during the design process. |
| Miscellaneous | n/a | Designed components that serve no purpose to the design solution and have not been used. |
| Motors | AK10-9\_BLDC | CAD Models of the motors that are part of the design solutions. |
| AK80-9\_BLDC |
| Mount Design | Motor Base Plates | Contains all design iterations of the motor base plates that were used during the design process. |
| Motor Mount Assemblies | Consists of CAD assemblies ready for fitting into the cockpit. |
| Motor Mount Fitment | Consists of final assemblies that depict what the chassis (cockpit) would look like, if the design were physically implemented on the car.  Refer to “Fitment v6” for the latest model. |
| Motor Mounts | Contains all design iterations of the motor mounts that were modelled during the design process. |
| Motor Shafts | Contains all design iterations of the motor shafts that were modelled during the design process. |
| Mounting Hardware | Consists of all equipment that would require custom manufacturing for mounting the solution into the car. |
| Pulley Components | s1 | CAD models of pulleys and bushings that were proposed as part of solution 1. |
| s2 | CAD models of pulleys and bushings that were proposed as part of solution 2. |
| UTSME Autobody Components | n/a | Contains the existing model of the cockpit, alongside the cockpits after they have been modified (cut) to accommodate the design solutions. |
| UTSME Steering Components | n/a | Contains several components that are part of the existing steering system.  These components were included in the Motor Mount Fitments to evaluate as to whether they will be impacted by proposed design solutions. |