4.3.4 Contact Retention (in Insert)
As specified in ESCC Detail Specification No. 3401/083.

4.3.5 Mating and Unmating Forces
The forces applied for the mating and unmating of the connectors shall conform to the values specified in Table 1(a).

4.3.6 Insert Retention (in Shell)
Connector inserts shall withstand a pressure of 34.4N/cm^2 without being dislodged from the shell.

4.3.7 Jackscrew Retention
Not applicable.

4.3.8 Contact Insertion and Withdrawal Forces
As specified in ESCC Detail Specification No. 3401/083.

4.3.9 Engagement and Separation Forces
As specified in ESCC Detail Specification No. 3401/083.

4.3.10 Oversize Pin Exclusion
As specified in ESCC Detail Specification No. 3401/083.

4.3.11 Probe Damage
As specified in ESCC Detail Specification No. 3401/083.

4.3.12 Solderability
Not applicable.

4.4 MATERIALS AND FINISHES
The materials and finishes shall be as specified herein. Where a definite material is not specified, a material which will enable the connectors specified herein to meet the performance requirements of this specification shall be used. Acceptance or approval of any constituent material does not guarantee acceptance of the finished product.

4.4.1 Shells
Variant 01
Shells shall be made of glass-fibre reinforced thermoplastic. The plating shall be a minimum thickness of 1.27µm gold over 5µm minimum of electroless nickel or copper.

Variant 02
Shells shall be made of aluminium alloy. The plating shall be a minimum thickness of 1.27µm gold over 20µm minimum of electroless nickel.

4.4.2 Inserts
Inserts shall be made of thermoplastic material.
The rear grommet shall be made of silicone elastomer.

4.4.3 Contacts
As specified in ESCC Detail Specification No. 3401/083.