

CAPABILITY PROOF DESK · TURBO999 POLYMER CONNECTOR COMPONENTS

RAKAR × SPACE X

INCORPORATED · MANUFACTURING EXCELLENCE SINCE 1951

Six part families in
production comparables.
One deferred by customer direction.

· PREPARED FOR:

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FOUNDED 1951 · OXNARD, CALIFORNIA · CAGE 0EFV1

· RFQ REFERENCE

6 of 7 part families quoted · 1 deferred pending Rev 2 drawing (PN 02414636)
Supplier reference: Leech Industries Quote 42525 (production silicone) issued to Rakar

· NOTES

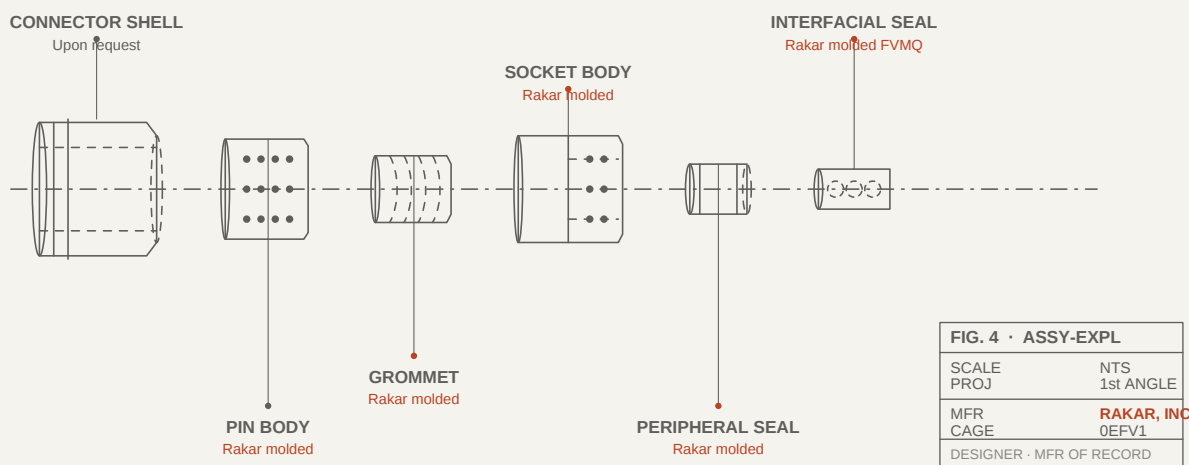
SECTION 01 · WHAT RAKAR MOLDS INSIDE THE CONNECTOR

Insert stack, exploded on assembly axis.

Rakar molds the dielectric inserts and elastomeric seals shown — designer and manufacturer of record. Connector shell upon request.

FIG. 4 Insert stack, exploded on assembly axis

NTS



Six components on a common assembly axis. Connector shell (available upon request) at left; five Rakar-molded parts follow: pin body, grommet, socket body, peripheral seal, interfacial seal. All dielectric inserts and elastomeric seals in this stack are Rakar's scope.

• NOTES

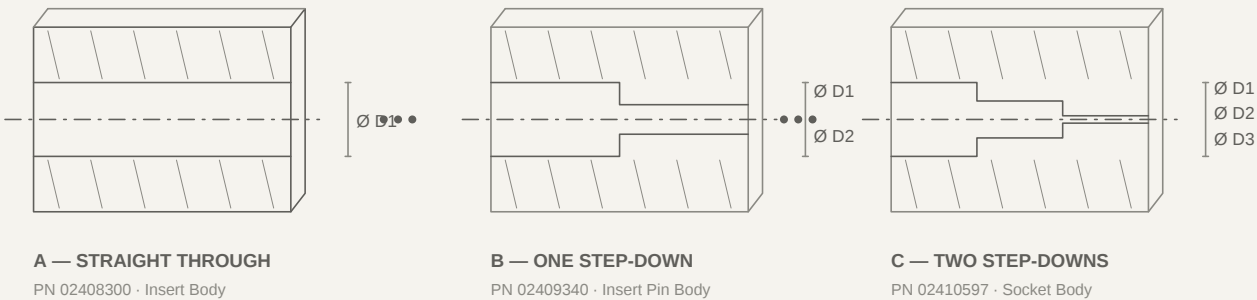
SECTION 02 · BORE GEOMETRY ACROSS THE QUOTED FAMILY

Three bore configurations, sectioned on centerline.

The Turbo999 quoted family spans three bore geometries: straight through, one step-down, and two step-downs. All shown here sectioned on centerline; hidden edges dashed. Diameters called out unvalued — dimensioning per SpaceX drawing set.

FIG. 1 Bore geometry — three configurations, sectioned on centerline

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PN 02408300 straight through, PN 02409340 with one internal step-down, PN 02410597 with two step-downs. Section hatch on top and bottom walls. Centerline extends past body in both directions.

Part-family mapping — six quoted, one deferred

02408300	Insert Body straight	Crewed spacecraft avionics — ARINC 600 85-pos	QUOTED
02409340	Insert Pin Body stepped	Crewed spacecraft avionics — rear insert	QUOTED
02410597	Socket Body 2-step	Launch-vehicle avionics — 150-pos	QUOTED
02410705	Interfacial Seal FVMQ	Launch-vehicle harnessing — Eaton 881-216	QUOTED
02410733	Peripheral Seal rings	Launch-vehicle harnessing	QUOTED
02414637	Grommet Water Seal	Launch-vehicle harnessing — Eaton Camarillo	QUOTED
02414636	Diamond Seal	Pending Rev 2 per G. Ardura 26 Aug	DEFERRED

· NOTES

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SECTION 03 · END USERS

The parts Rakar molds fly on the following programs.

END USERS

NASA · SPACEX · BOEING · LOCKHEED MARTIN · NORTHROP GRUMMAN
RAYTHEON · GENERAL DYNAMICS · L3HARRIS · BAE · DLA · DOW

Rakar is designer and manufacturer of record for the components shown. Every insert, seal, and grommet in this portfolio has been produced in Rakar's Oxnard facility for one or more of the above programs.

· NEXT STEPS

- 1. Confirm final RFQ quantities per PN for the six quoted families.
- 2. Receive Rev 2 drawing on 02414636 (Diamond Seal) — currently deferred.
- 3. Rakar to issue first-article plan per AS9102 upon PO.

· NOTES