SERIES 311 TOLERANCE-COMPENSATING INSERTER/ EXTRACTOR

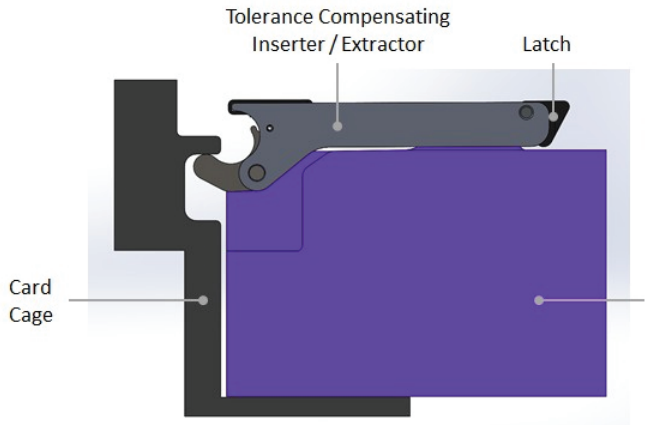
APPLICATION

Tolerance compensating, latching inserter / extractor that provides positive pressure to connectors during insertion preventing disconnects due to shock and vibration.

FEATURES

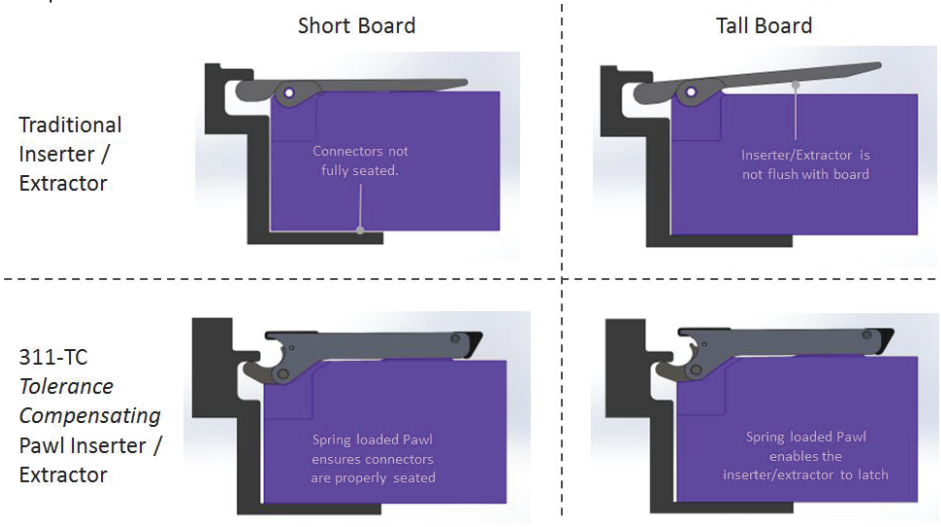
- Designed in accordance to VITA 48.2,48.4, and 48.5 specifications for the "alternate lever implementation" (both 3U and 6U)
- Maintains positive pressure on connectors during Card Lok actuation
- Compliant with 2nd level maintenance; can be operated with a gloved hand, no specialized tools are required
- Provides self-compensation for board tolerances
- Integrated latching mechanism
- Custom silkscreen available

Conduction Cooled Assembly diagram with board Inserted and lever latched



LatchingFeature

ComparisonSeries 311 vs a Traditional Inserter / Extractor



Part Number Code

Series 311 Inserter/Extractor

HA 311 - TC

Hard Black Anodized

Tolerance Compensating

MATERIALS AND FINISH

PAWL
Material: SST 304 per AMS-QQ-S-763 OR ASTM-A240
Finish: Black Oxide per MIL-DTL-13924

LEVER, LATCH
Material: 6061-T6 per ASTM- B221, ASTM B-209, OR AMS-QQ-A-200/8
Finish: Hard Black Anodize, Type III, Class 2 per MIL-A-8625

MAIN SPRING
Material: 17-7 PH SST CON TH1050 PER AMS 2759/3
Finish: Black Oxide per MIL-DTL-13924

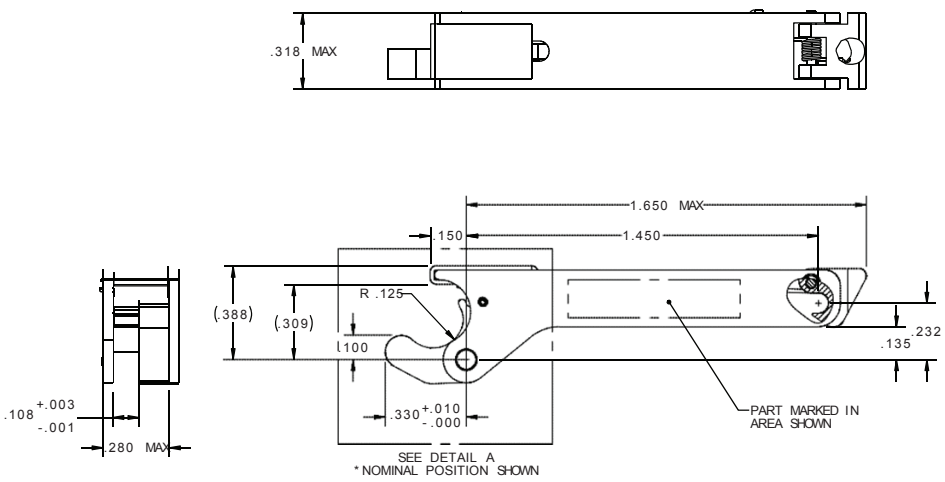
LATCH PIN
Material: 302 1/2H SST PER AMS-5637 OR 300 Series SST per ASTM A581/A582
Finish: Passivated per AMS2700

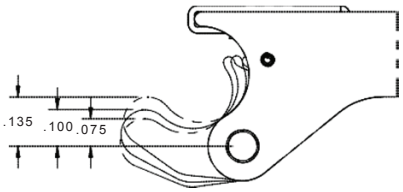
BODY PIN
Material: 302 SST per NAS1407N
Finish: Passivated per AMS2700

PIVOT PIN
Material: 17-4 H1025 SST per AMS 5643
Finish: Passivated per AMS2700

TORSION SPRING
Material: 302 SST per ASTM A313 13
Finish: Passivated per AMS2700

Series 311 Inserter/Extractor Dimensions





DETAIL A
SCALE: 6:1

Conduction Cooled Assembly Interface Dimensions