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We connect and protect

# Series HA311-TC Inserter/Extractor

## Series 311 Tolerance-Compensating Inserter/Extractor

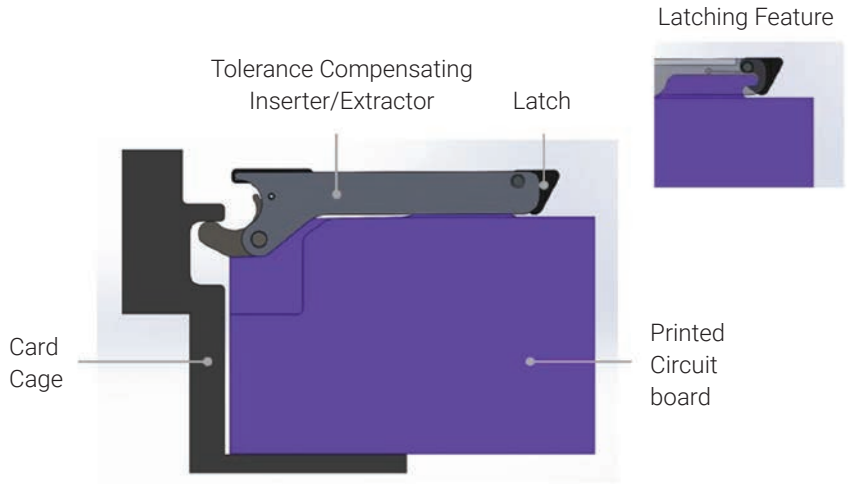
### APPLICATION

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

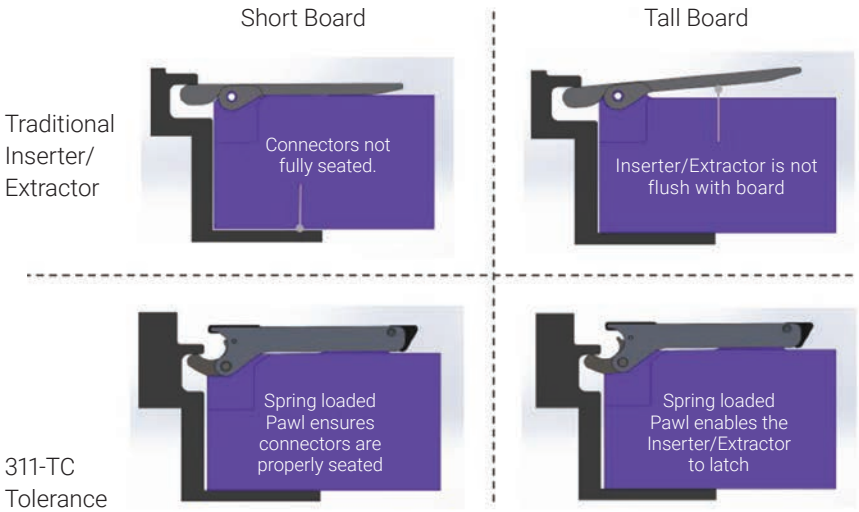
### FEATURES

- 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**




**Comparison Series 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 & BODY PIN

- **Material:** 302 SST per NAS1407N
- **Finish:** Passivated per AMS2700

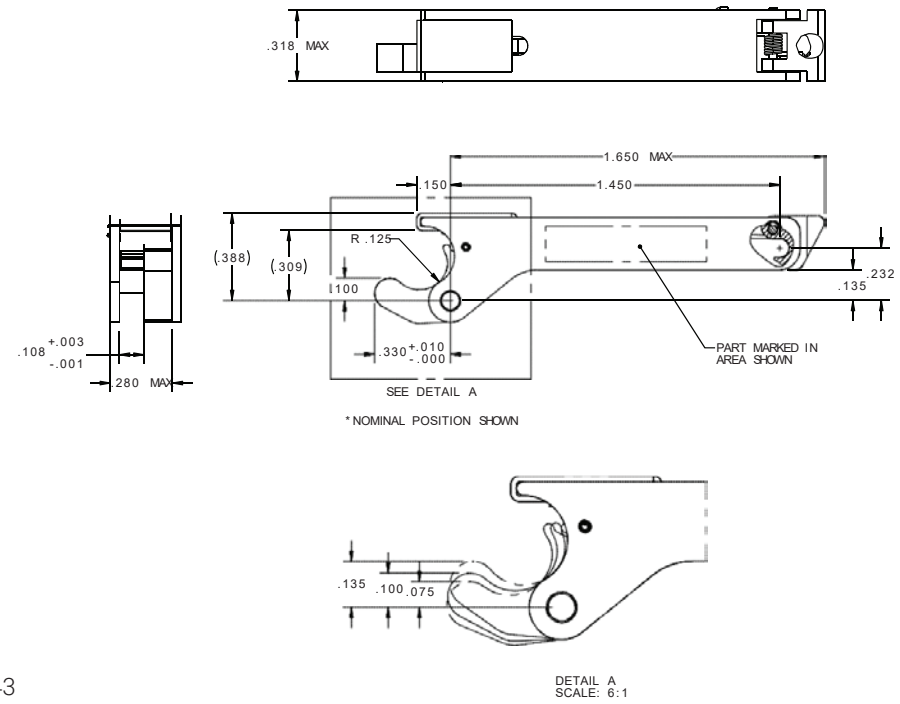
### PIVOT PIN

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

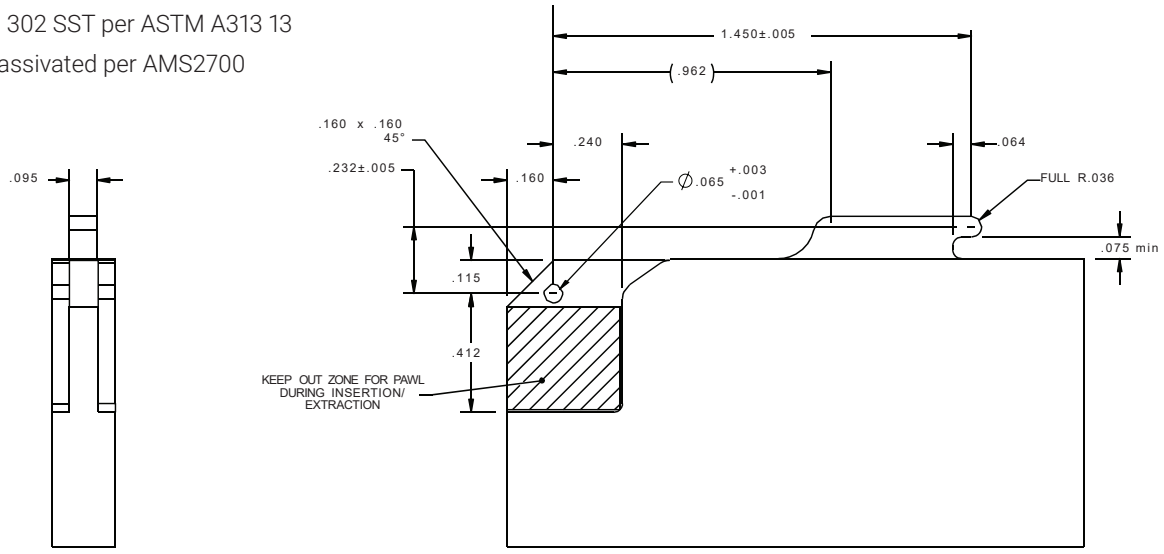
### TORSION SPRING

- **Material:** 302 SST per ASTM A313 13
- **Finish:** Passivated per AMS2700

Series 311 Inserter/Extractor Dimensions




Conduction Cooled Assembly Interface Dimensions

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