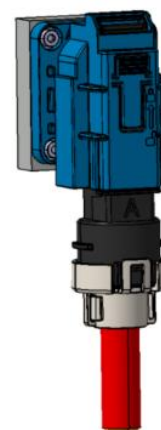
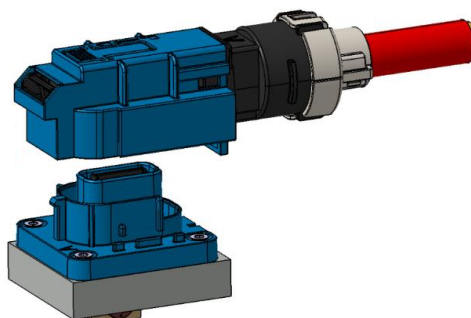
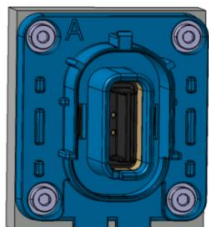
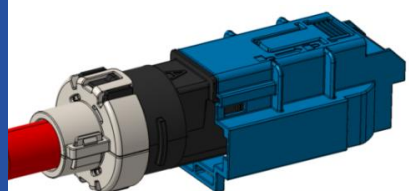


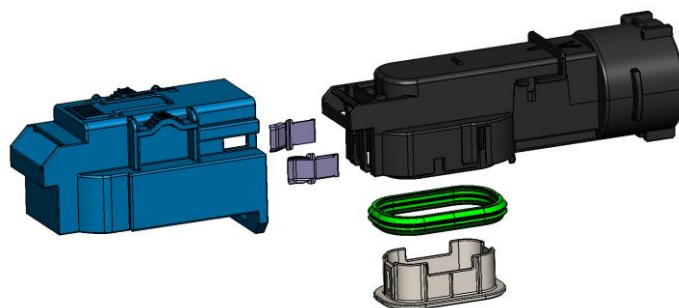
# TP INFINITY SERIES LP8 CONNECTOR SYSTEM



## HIGH POWER LOCK BOX

### BENEFITS & FEATURES

- ⊕ Patented Terminal Contact System
- ⊕ Industry Leading Power Density - Enables smaller connector packaging and reduces weight
- ⊕ Ultra Efficiency - Negligible Resistance Loss as compared to bolted contacts
- ⊕ Validated to USCAR-2 T4 / V4 / S3
- ⊕ Inner Components UL 94 V-0, Outer Components UL HB
- ⊕ 5x standard requirements
  - ⊕ Terminal to Housing Retention: >500N
  - ⊕ CPA Misc. Engage Force: >500N
  - ⊕ Connector Pull-Off Force: >500N
- ⊕ Compact Ergonomic Design
- ⊕ Push, Click, Pull, Scan Mating Process
- ⊕ USCAR & ISO Finger Proofed Design
- ⊕ Visual ID for Confirmed Full Lock
- ⊕ Scanning QR Code for required applications



#### TERMINAL CAPABILITIES

Terminal Construction	Three-piece
Wire Gage Range (AWG)	4/0
Wire Gage Range (mm <sup>2</sup> )	100
Configuration	Inline/Device
Sealing Options	Cable Sealed
Plating Options	Sn, Ag
Terminal Orientation	90°
USCAR-20	>150,000 miles



**MAX TEMPERATURE**  
150°C



**MAX VIBRATION**  
31 G



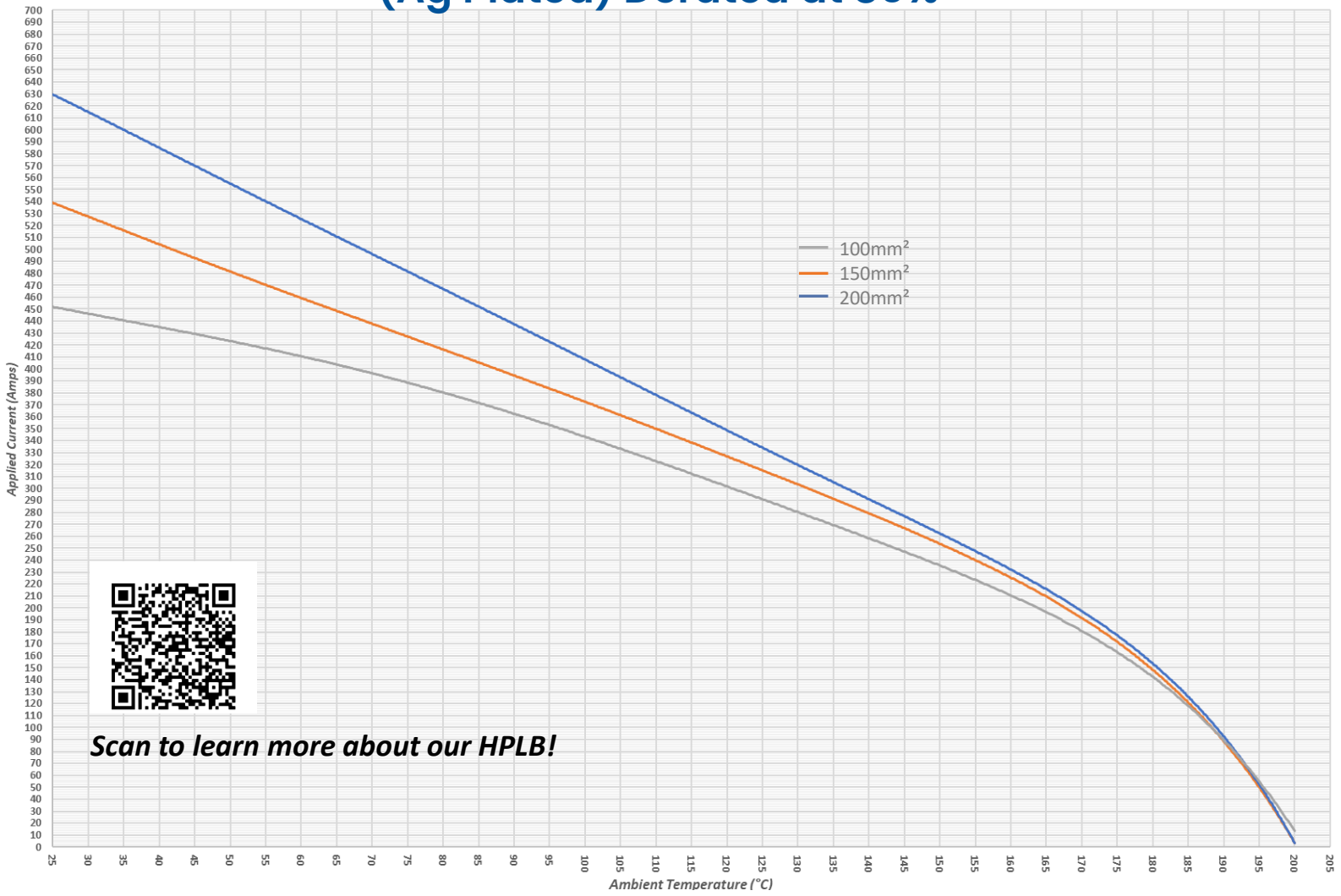
**MAX CURRENT**  
630 A



#### TECHNICAL CHARACTERISTICS

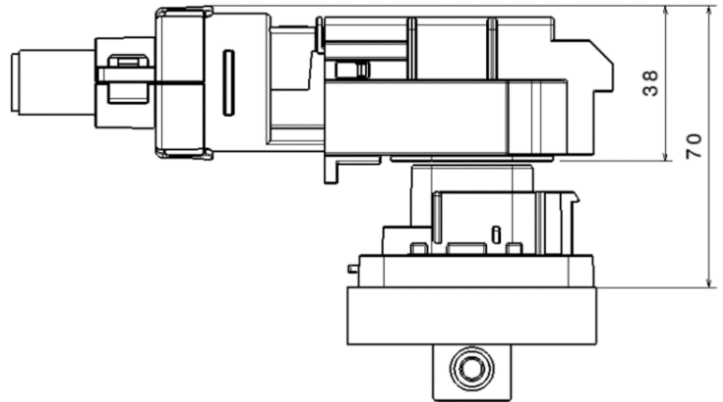
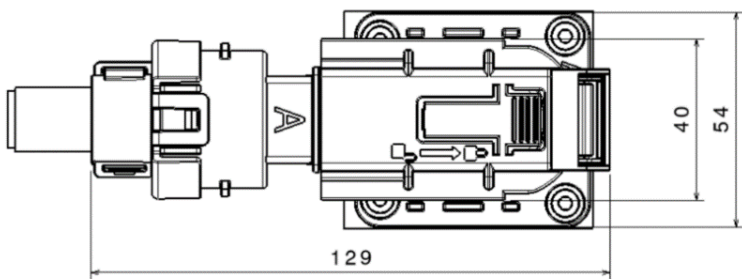
Contact Resistance	0.22 mΩ
Contact Mating Force	USCAR-25 compliant
Contact Un-mating Force	USCAR-25 compliant
Mating Cycles	30 (Sn) / 50 (Ag)

# 1P INFINITY SERIES LP8 Connector System (Ag Plated) Derated at 80%



Scan to learn more about our HPLB!

## PACKAGING



Customer and Interface drawings available upon request

## CONTACT US

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The test data was collected from single circuits in a draft free enclosure. This model does not account for all the variables that would be present in an actual application. For additional detailed product performance, visit our website at [www.RoyalPowerSolutions.com](http://www.RoyalPowerSolutions.com)