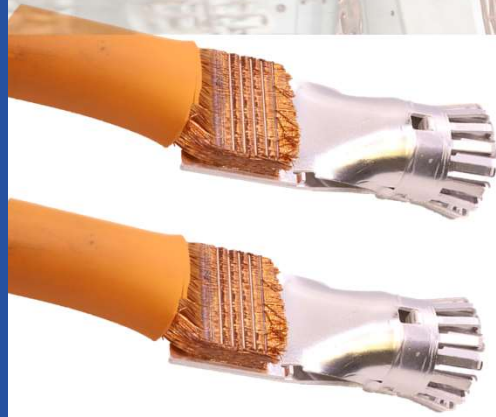


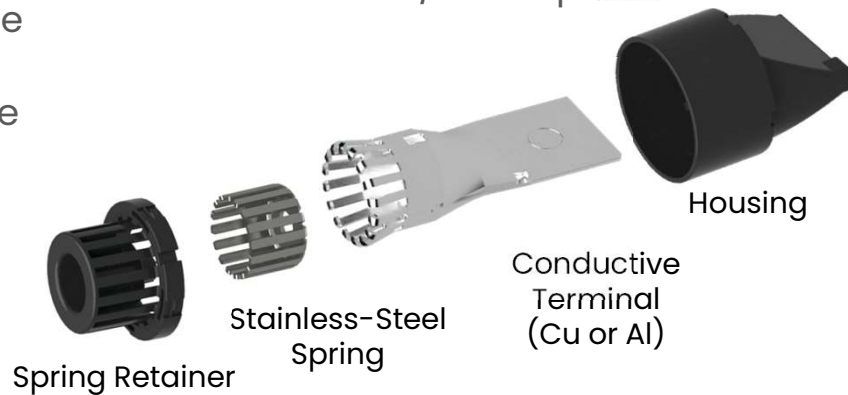
HPLB RD14 TERMINAL

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
- Reliability - Inverted contact system improves contact force over terminal lifetime
- Connection Flexibility - Female terminal geometry tailored to application requirements
- Validated to USCAR-2 T4 / V4
- USCAR-38 Compliant
- Robust High-Speed Stamping MFG Process
- Available in copper & aluminum terminal bodies to avoid dissimilar metals within application
- HPLB terminations can improve both wire and busbar connections
- Terminal is ISL/TPA capable



TERMINAL CAPABILITIES

Terminal Construction	Four-piece
Wire Gage Range (AWG)	3 - 4/0
Wire Gage Range (mm ²)	25 - 120
Configuration	Inline/Device
Sealing Options	Cable Sealed
Plating Options	Sn, Ag
Terminal Orientation	90/180°
USCAR-20	>150,000 miles



MAX TEMPERATURE
175°C



MAX VIBRATION
31 G



MAX CURRENT
> 500 A

TECHNICAL CHARACTERISTICS

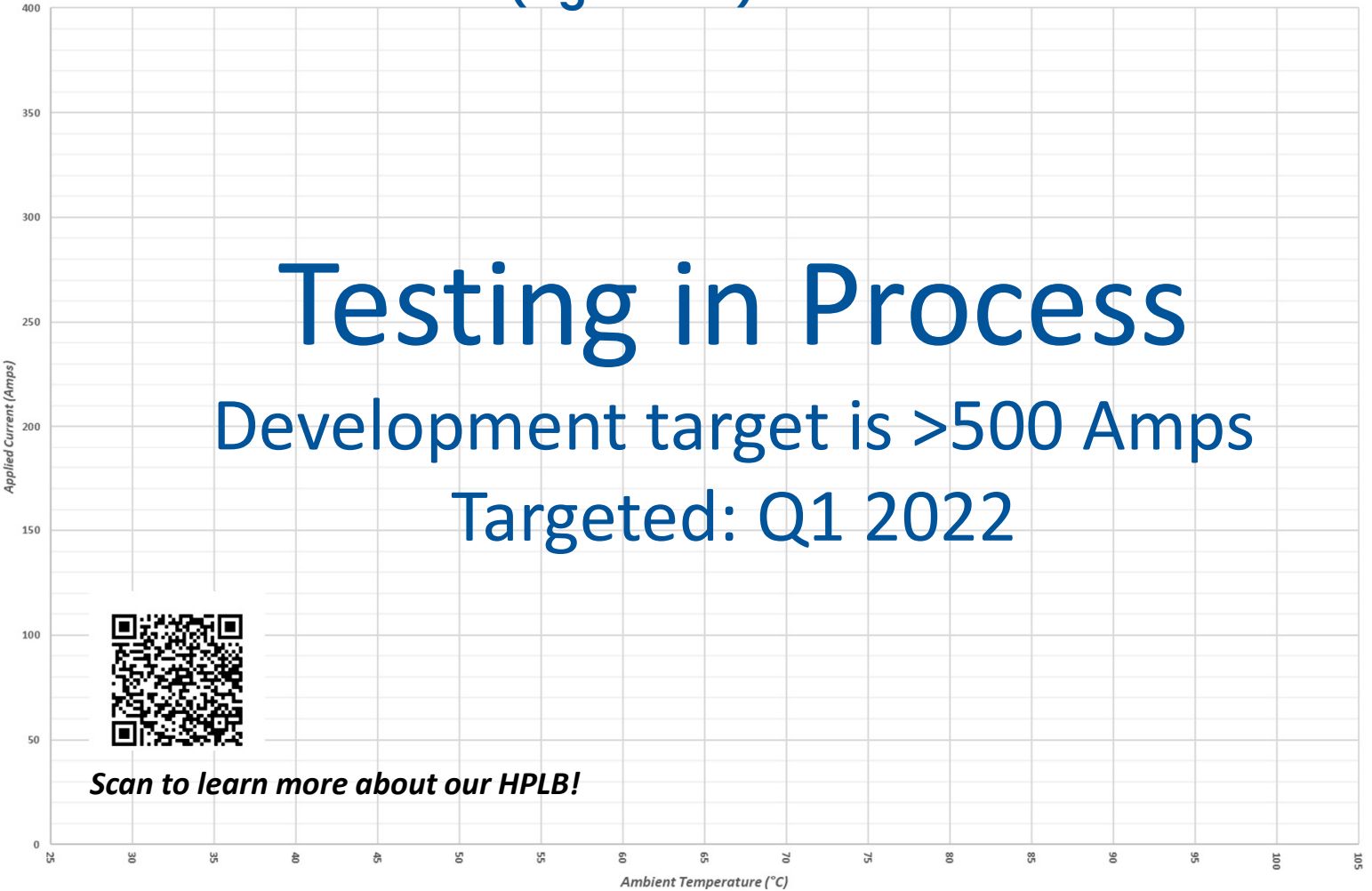
Contact Resistance	0.22 mΩ
Contact Mating Force	USCAR-25 Compliant
Contact Un-mating Force	USCAR-25 Compliant
Mating Cycles	30 (Sn) / 50 (Ag)

HPLB RD14 (Ag Plated) Derated at 80%

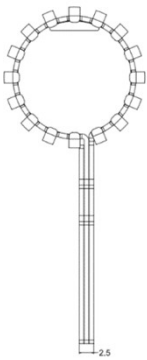
Testing in Process
Development target is >500 Amps
Targeted: Q1 2022



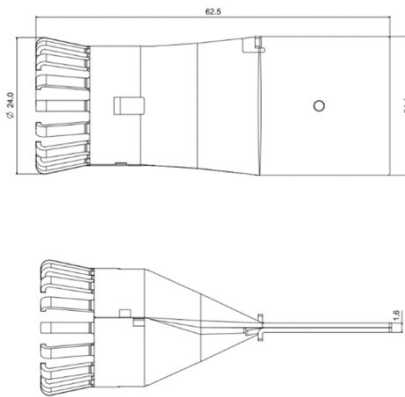
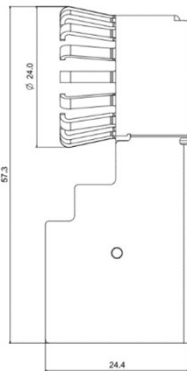
Scan to learn more about our HPLB!



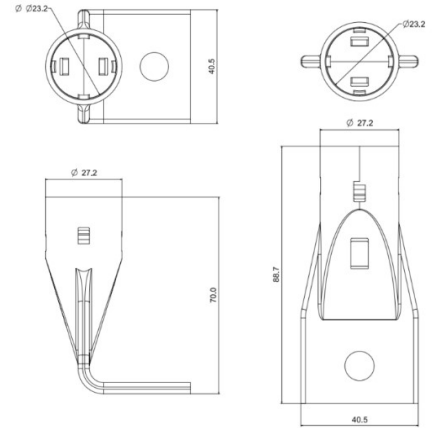
PACKAGING



Male 90°



Male 180°



Female

Cavity standards available upon request

CONTACT US

Headquarters:
info@royalpowersolutions.com
630-384-5500

Jason Simon (EV Business Development)
Jason.Simon@royalpowersolutions.com
586-854-2620

Marissa Ferreira (West Coast Account Manager)
Marissa.Ferreira@royalpowersolutions.com
916-521-1323



Royal POWER SOLUTIONS
POWERING GREAT CONNECTIONS