

# AMPHENOL RADSOK® High Amperage Connectors Amphenol®

 This product is RoHS compliant.

## RADSOK® SURLOK™

SurLok™ is a field installable, high reliability replacement compression lug with a plastic housing. Sur-Lok™ utilizes the industry standard color-code in regard to which AWG size should be used with each lug and can be crimped with any standard U-Ident/Clamshell or 4-Indenter crimp tool. Any applications that use high current, frequently plugged and unplugged cables, or plug and play setup would be an ideal situation to use the SurLok™ as a solution.

**Features:**

- Copper alloy construction
- High ampacity
- Built in locking feature
- Low insertion force
- High cycle durability
- High reliability

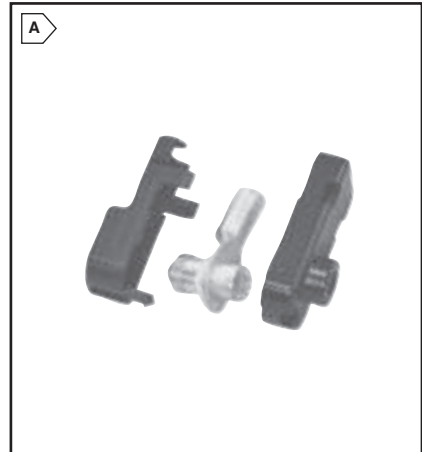
**Markets:**

- Printed circuit boards
- Telecommunications
- Oil and drilling rigs
- Wind and solar power applications
- Heavy equipment
- Medical devices
- Rail/Mass Transit



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amp	Description	Price Each		
					1	10	25
654-PSL-368K	PSL-368K	A	70	3.6mm, 8 AWG, threaded tail	8.21	7.60	7.08
654-PSL574K	PSL-574K	A	125	5.7mm, 4 AWG, tapped screw end termination	8.59	7.96	7.40
654-PSL-801K	PSL-801K	A	200	8.0mm, 1 AWG, tapped screw end termination	8.40	7.52	6.30
654-PSL-10320K	PSL-10320K	A	300	10.3mm, 2/0 AWG, tapped screw end termination	15.44	14.31	13.33
<b>Pins</b>							
654-PSLP-36	PSLP-36	-	70	3.6mm Surlock pin; M3x0.5 thread	1.65	1.50	1.38
654-PSLP-57	PSLP-57	-	125	5.7mm Surlock pin; M5x0.8 thread	2.60	2.41	2.21
654-PSLP-80	PSLP-80	-	200	8.0mm Surlock pin; M8x1.25 thread	4.35	3.95	3.63
654-PSLP-103	PSLP-103	-	300	10.3mm Surlock pin; M10x1.5 thread	7.38	6.71	6.15



## RADSOK® POWERBLOK™

RADSOK® POWER-BLOK provides a high current single-point connection to the PCB with the proven reliability of compliant pin signals. POWER-BLOK brings up to 70 Amps to the board, utilizing Amphenol's custom 3.0 mm RADSOK® design. The compliant pins are press-fit into the board to secure a solid connection and even signal flow.

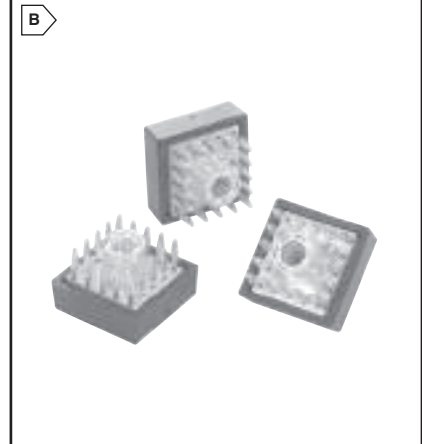
**Features:**

- Compact footprint: .618" x .618"
- No threaded fasteners
- Carries 70 amperes
- Radial design ensures many points of contact
- Reduces failure modes; eliminates burn outs
- Eliminates possible stress fractures in board
- No special crimp tools required
- Touchproof cover



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amp	Description	Price Each		
					1	5	10
523-C10-639323-000	C10-639323-000	B	70	3.0mm PCB mount	16.35	15.22	14.05



## RADSOK® PGY™

The RADSOK® PGY™ is an orthogonal card edge connector available in 3.6mm and 5.7mm contact sizes. The 5.7mm is Amphenol's highest current board level product rated to 120 amperes. The PGY connects to the board through a solder reflow process. The busbar pin mates horizontally with the RADSOK slightly above the board.

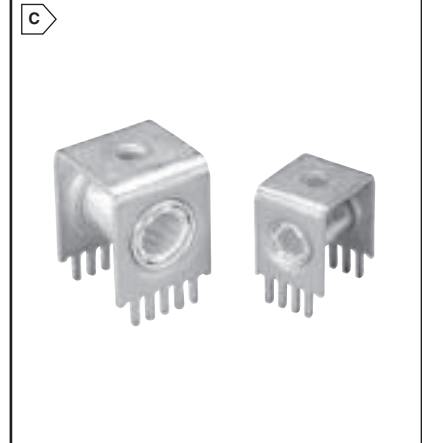
**Features:**

- Compact footprint
- No threaded fasteners
- Faster through-put
- Legs dissipate high power evenly
- No special crimp tools needed
- 5.7mm - 120 Amps; 3.6mm - 70 Amps



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amp	Description	Price Each		
					1	10	25
523-C10-639800-000	C10-639800-000	C	120	5.7mm PCB mount, horizontal, solder, silver plated	4.35	3.63	3.45
523-C10-639801-000	C10-639801-000	C	70	3.6mm PCB mount, horizontal, solder, silver plated	3.83	3.52	3.29



## RADSOK® AMPHE-PD™

High-powered applications are constantly in need of a solution that is higher in power, smaller in size, and low in cost. The Amphe-PD™ uses RADSOK® technology to become the ideal solution. The low insertion force, locking, two-pole connector is UL listed at 69A and CSA listed at 55A. It is also TUV Finger Proof with a V0 fire rating. By combining parallel circuits into one, heat generation is reduced, space is saved, and very importantly, reliability is increased. The flexibility of wires, busbars, and circuit boards allows the Amphe-PD™ to be used in a wide variety of high power applications.

**Features:**

- Low cost, 100% molded housings
- Integrated latching mechanism
- Easy, tool-less assembly
- Low Insertion Force
- TPA device on plug to insure socket locking
- High reliability
- High cycle durability
- High amperage
- Tactile and audible locking
- Proven metal clip contact retention on receptacles



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	5	10
<b>Receptacles</b>						
654-10-638975-000	C10-638975-000	D	Busbar receptacle without bosses	11.07	10.26	9.31
654-10-638976-000	C10-638976-000	D	Crimp pin, 6 AWG with screw bosses	13.96	12.94	11.73
654-10-638977-000	C10-638977-000	D	PCB tail with screw bosses	10.66	9.88	8.96
<b>Plug</b>						
654-10-638974-000	C10-638974-000	D	3.6mm RADSOK® plug, 6 AWG	13.37	12.61	11.94

