

# AMPHENOL Renewable Energy RADSOK® Connectors Amphenol®



This product is RoHS compliant.

## AMPHENOL HELIOS H4

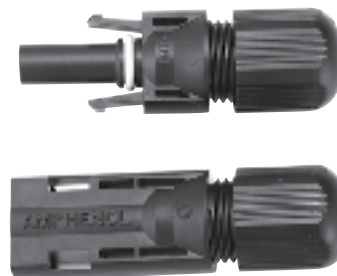
The H4 comes from the innovative family of Amphenol's Helios solar products. Quick and easy snap lock mating and reliable crimp terminations make this an ideal solution for field installation. The H4 is fully intermateable with industry standards. The long-term UV and ozone resistance, as well as the low resistance self-cleaning contact grid distinguish the H4 as the most efficient and durable solar connector option. Amphenol Helios H4 can help you power the planet with the sun.

### Features and Benefits:

- Meets all new NEC 2008 requirements
- NEC required locking mechanism built into the connector
- Quick and easy secure snap lock mating
- Simple unlocking tool meets NEC requirements
- Long-term UV and Ozone resistance
- Highest current rating in industry
- Low contact resistance means low power loss
- Ready for field assembly
- No assembly required, no small parts to lose

### Amphenol's Helios solar products withstand:

- UV
- Ozone
- Hydrolysis
- Oil, chemicals
- Abrasion, corrosion
- Temperature extremes



| MOUSER STOCK NO.  | Amphenol Part No. | Description              | Price Each |    |    |     |     |
|-------------------|-------------------|--------------------------|------------|----|----|-----|-----|
|                   |                   |                          | 1          | 10 | 25 | 100 | 500 |
| 654-PV-100508-000 | PV-100508-000     | Mated Pair 12 AWG/4MM2   |            |    |    |     |     |
| 654-PV-100508-F   | PV-100508-F       | Female 12 AWG/4MM2       |            |    |    |     |     |
| 654-PV-100508-M   | PV-100508-M       | Male 12 AWG/4MM2         |            |    |    |     |     |
| 654-PV-100506-000 | PV-100506-000     | Mated Pair 10 AWG/6MM2   |            |    |    |     |     |
| 654-PV-100506-F   | PV-100506-F       | Female 10 AWG/6MM2       |            |    |    |     |     |
| 654-PV-100506-M   | PV-100506-M       | Male 10 AWG/6MM2         |            |    |    |     |     |
| 654-PV-100507-000 | PV-100507-000     | Mated Pair 14 AWG/2.5MM2 |            |    |    |     |     |
| 654-PV-100507-F   | PV-100507-F       | Female 14 AWG/2.5MM2     |            |    |    |     |     |
| 654-PV-100507-M   | PV-100507-M       | Male 14 AWG/2.5MM2       |            |    |    |     |     |
| 654-PV-670804-000 | PV-670804-000     | H4 Ring Tool             |            |    |    |     |     |
| 654-PV-670803-000 | PV-670803-000     | H4 Wrench Tool           |            |    |    |     |     |
| Description       |                   |                          |            |    |    | 1   | 5   |
| 654-PV-670509-000 | PV-670509-000     | H4 Strip Tool            |            |    |    |     |     |
| 654-PV-670508-000 | PV-670508-000     | H4 Crimp Tool            |            |    |    |     |     |

## RADSOK® RADSERT™ HIGH AMPERAGE CONNECTORS

### Features and Benefits:

- High power to board interconnect in a small package
- Ensures many points of contact
- No special crimp tools needed
- Eliminates risk of PTH cracking
- No threaded fasteners



For quantities of 50 and up, call for quote.

| MOUSER STOCK NO.   | Mfr. | Mfr. Part No. | Amp | Description                                | Price Each |   |
|--------------------|------|---------------|-----|--|------------|---|
|                    |      |               |     |  | 1          | 5 |
| <b>2.4mm</b>       |      |               |     |  |            |   |
| 523—C10-642495-241 |      |               | 35  | Solder .125" Dia. Top Flange               |            |   |
| 523—C10-665340-001 |      |               | 35  | Solder .290" Dia. Top Flange               |            |   |
| 523—C10-642865-001 |      |               | 70  | Solder .450" Dia. Short; Heavy Body .159"  |            |   |
| 523—C10-639772-001 |      |               | 35  | (One Piece), Pre-loaded Single .250"       |            |   |
| <b>3.6mm</b>       |      |               |     |  |            |   |
| 523—C10-665213-001 |      |               | 70  | Solder .350" Dia. Top Flange               |            |   |
| 523—C10-665215-001 |      |               | 70  | Solder .450" Dia. Flange, Thin Body        |            |   |
| 523—C10-642449-001 |      |               | 70  | (One Piece) Short, Pre-loaded Single .250" |            |   |

## RADSOK® SURLOK™

### 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. | Mfr. | Mfr. Part No. | Amp | Description                                   | Price Each |   |
|------------------|------|---------------|-----|---|------------|---|
|                  |      |               |     |   | 1          | 5 |
| 654—PSL-368K     |      |               | 70  | 3.6mm, 8 AWG, Threaded Tail                   |            |   |
| 654—PSL574K      |      |               | 125 | 5.7mm, 4 AWG, Tapped Screw End Termination    |            |   |
| 654—PSL-801K     |      |               | 200 | 8.0mm, 1 AWG, Tapped Screw End Termination    |            |   |
| 654—PSL-10320K   |      |               | 300 | 10.3mm, 2/0 AWG, Tapped Screw End Termination |            |   |
| <b>Pins</b>      |      |               |     |   |            |   |
| 654—PSLP-36      |      |               | 70  | 3.6mm Surlock Pin; M3x0.5 Thread              |            |   |
| 654—PSLP-57      |      |               | 125 | 5.7mm Surlock Pin; M5x0.8 Thread              |            |   |
| 654—PSLP-80      |      |               | 200 | 8.0mm Surlock Pin; M8x1.25 Thread             |            |   |
| 654—PSLP-103     |      |               | 300 | 10.3mm Surlock Pin; M10x1.5 Thread            |            |   |

## RADSOK® AMPHE-POWER® GT

### Features:

- Reverse bayonet coupling connector with an audible, tactile and visual full mating feature
- IP67 rating
- Supports 50A to 1000A continuous duty
- Ideal for wind energy applications

### Mating Receptacles

For quantities of 10 and up, call for quote.

### Reverse Bayonet Straight Plugs

For quantities of 10 and up, call for quote.

| No. of Pos. | Insert | Contact Size | Wire Range | MOUSER STOCK NO.    | Amphenol Part No. | Contact Type | Price Each |   | MOUSER STOCK NO.   | Amphenol Part No.      | Contact Type | Price Each |   |
|-------------|--------|--------------|------------|---------------------|-------------------|--------------|------------|---|--------------------|------------------------|--------------|------------|---|
|             |        |              |            |                     |                   |              | 1          | 5 |                    |                        |              | 1          | 5 |
| 1           | 18-7   | #8           | 8 AWG      | 654-GTC03018-7P025  | GTC03018-7P(025)  | Pin          |            |   | 654-GTC06F187SRDS  | GTC06F18-7S(RDS)(025)  | RADSOK       |            |   |
| 2           | 22-1   | #8           | 8 AWG      | 654-GTC03022-1P025  | GTC03022-1P(025)  | Pin          |            |   | 654-GTC06F221SRDS  | GTC06F22-1S(RDS)(025)  | RADSOK       |            |   |
| 3           | 20-19  | #8           | 8 AWG      | 654-GTC03020-19P025 | GTC03020-19P(025) | Pin          |            |   | 654-GTC06F2019SRDS | GTC06F20-19S(RDS)(025) | RADSOK       |            |   |
| 1           | 16-12  | #4           | 4 AWG      | 654-GTC03016-12P025 | GTC03016-12P(025) | Pin          |            |   | 654-GTC06F1612SRDS | GTC06F16-12S(RDS)(025) | RADSOK       |            |   |
| 2           | 24-9   | #4           | 4 AWG      | 654-GTC03024-9P025  | GTC03024-9P(025)  | Pin          |            |   | 654-GTC06F249SRDS  | GTC06F24-9S(RDS)(025)  | RADSOK       |            |   |
| 4           | 32-17  | #4           | 4 AWG      | 654-GTC03032-17P025 | GTC03032-17P(025) | Pin          |            |   | 654-GTC06F3217SRDS | GTC06F32-17S(RDS)(025) | RADSOK       |            |   |
| 1           | 22-7   | #0           | 0 AWG      | 654-GTC03022-7P025  | GTC03022-7P(025)  | Pin          |            |   | 654-GTC06F227SRDS  | GTC06F22-7S(RDS)(025)  | RADSOK       |            |   |
| 3           | 36-4   | #0           | 0 AWG      | 654-GTC03036-4P025  | GTC03036-4P(025)  | Pin          |            |   | 654-GTC06F364SRDS  | GTC06F36-4S(RDS)(025)  | RADSOK       |            |   |
| 4           | 36-5   | #0           | 0 AWG      | 654-GTC03036-5P025  | GTC03036-5P(025)  | Pin          |            |   | 654-GTC06F365SRDS  | GTC06F36-5S(RDS)(025)  | RADSOK       |            |   |

## RADSOK® AMPHE-POWER® 5015

### Features:

- IP67 rating
- Supports 50A to 1000A continuous duty
- Ideal for wind energy applications

### Mating Box Mount Receptacles

For quantities of 10 and up, call for quote.

### Straight Plugs

For quantities of 10 and up, call for quote.

| No. of Pos. | Insert | Contact Size | Wire Range | MOUSER STOCK NO.    | Amphenol Part No. | Contact Type | Price Each |   | MOUSER STOCK NO.    | Amphenol Part No. | Contact Type | Price Each |   |
|-------------|--------|--------------|------------|---------------------|-------------------|--------------|------------|---|---------------------|-------------------|--------------|------------|---|
|             |        |              |            |                     |                   |              | 1          | 5 |                     |                   |              | 1          | 5 |
| 1           | 18-7   | #8           | 8 AWG      | 654-ACC02E18-7P025  | ACC02E18-7P(025)  | Pin          |            |   | 654-ACC06E18-7R025  | ACC06E18-7R(025)  | RADSOK       |            |   |
| 2           | 22-1   | #8           | 8 AWG      | 654-ACC02E22-1P025  | ACC02E22-1P(025)  | Pin          |            |   | 654-ACC06E22-1R025  | ACC06E22-1R(025)  | RADSOK       |            |   |
| 3           | 20-19  | #8           | 8 AWG      | 654-ACC02E20-19P025 | ACC02E20-19P(025) | Pin          |            |   | 654-ACC06E20-19R025 | ACC06E20-19R(025) | RADSOK       |            |   |
| 4           | 22-22  | #8           | 8 AWG      | 654-ACC02E22-22P025 | ACC02E22-22P(025) | Pin          |            |   | 654-ACC06E22-22R025 | ACC06E22-22R(025) | RADSOK       |            |   |
| 1           | 16-12  | #4           | 4 AWG      | 654-ACC02E16-12P025 | ACC02E16-12P(025) | Pin          |            |   | 654-ACC06E16-12R025 | ACC06E16-12R(025) | RADSOK       |            |   |
| 3           | 28-6   | #4           | 4 AWG      | 654-ACC02E28-6P025  | ACC02E28-6P(025)  | Pin          |            |   | 654-ACC06E28-6R025  | ACC06E28-6R(025)  | RADSOK       |            |   |
| 4           | 32-17  | #4           | 4 AWG      | 654-ACC02E32-17P025 | ACC02E32-17P(025) | Pin          |            |   | 654-ACC06E32-17R025 | ACC06E32-17R(025) | RADSOK       |            |   |
| 1           | 22-7   | #0           | 0 AWG      | 654-ACC02E22-7P025  | ACC02E22-7P(025)  | Pin          |            |   | 654-ACC06E22-7R025  | ACC06E22-7R(025)  | RADSOK       |            |   |
| 2           | 32-5   | #0           | 0 AWG      | 654-ACC02E32-5P025  | ACC02E32-5P(025)  | Pin          |            |   | 654-ACC06E32-5R025  | ACC06E32-5R(025)  | RADSOK       |            |   |
| 4           | 36-5   | #0           | 0 AWG      | 654-ACC02E36-5P025  | ACC02E36-5P(025)  | Pin          |            |   | 654-ACC06E36-5R025  | ACC06E36-5R(025)  | RADSOK       |            |   |