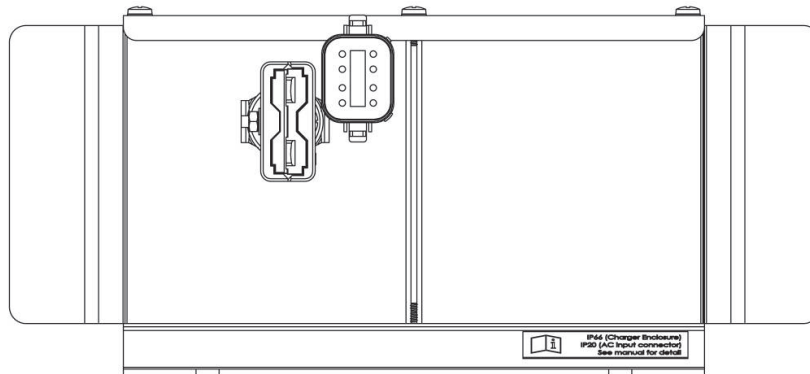
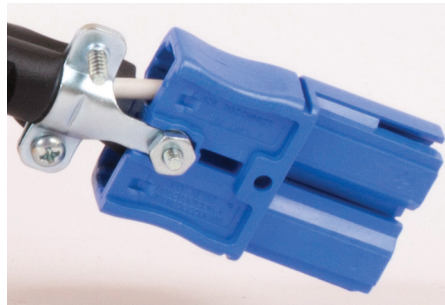
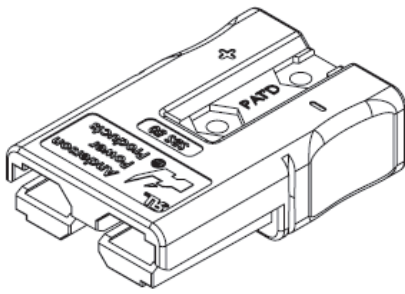


### 5.3.2 24V / 36V / 48V / 72V / 84V / 96V Models

Part numbers 912-2454, 912-3654, 912-4854, 912-7254, 912-9654, 914-4854-01, and 914-7254-01



#### **DC Output Connector**



**Connector:** Anderson Power Products (SBS Series)  
 24V – Red (SBS50RED)  
 36V – Gray (SBS50GRA)  
 48V – Blue (SBS50BLU)  
 72V – Green (SBS50GRN)  
 84V – Black (SBS50BLK)  
 96V – Brown (SBS50BRN)

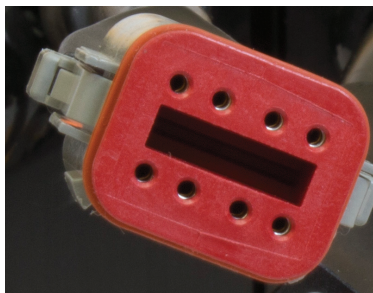
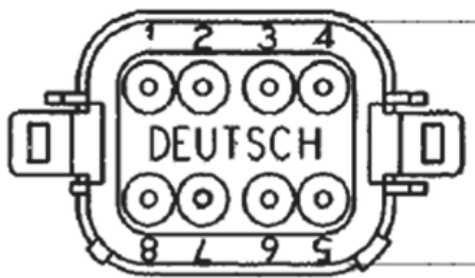
**Mates with:** Same as above, depending on voltage

**Recommended Contact:** 1339G3 with 12AWG wire  
 (Hand Crimper 1309G4)

#### **Pin Configuration:**

Conn. Pin No.	Wire Dia. (AWG)	Description	Notes
"-"	6-16	Battery Negative	Minimum recommended wire gauges: 24V / 36V / 48V (QuiQ 1500): 12AWG 48V (QuiQ 1000) / 72V: 14AWG (use 5913 with 1339G2) 84V / 96V: 16AWG (use 5913 with 1339G2)
"+"	6-16	Battery Positive	

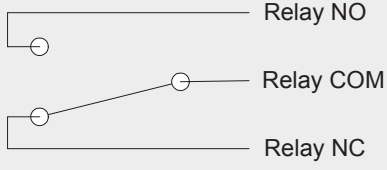
## Signal Connector



<b>Connector:</b>	Deutsch DT06-08SA
<b>Mates with:</b>	Deutsch DT04-08PA with W8P wedge lock
<b>Recommended Contact:</b>	1060-16-0122, stamped & formed (supports 14-18AWG) 0460-202-16141, solid (supports 16-20AWG) (Hand Crimper #HDT-48-00)
<b>Supported Wire Insulation:</b>	2.24-3.68mm diameter (0.088-0.145" dia)

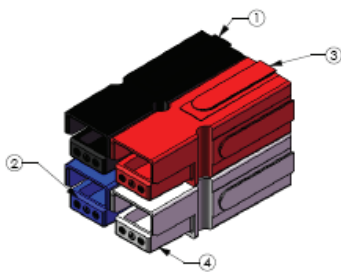
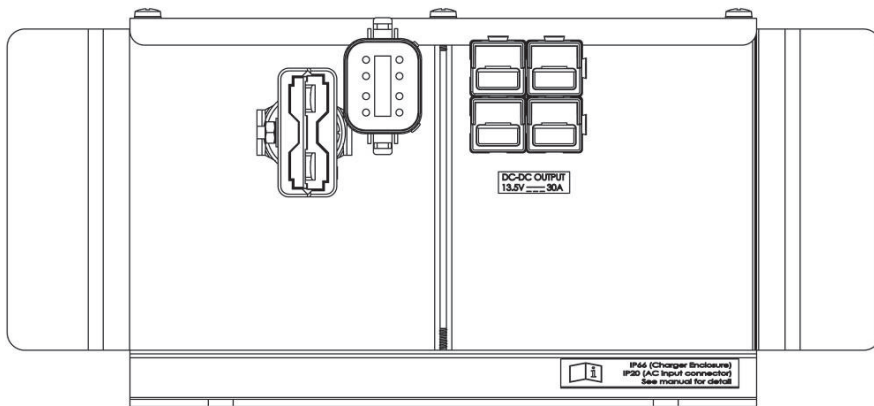
**NOTE:** Sealing Plug 114017 will be required for pin 8

### Pin Configuration:

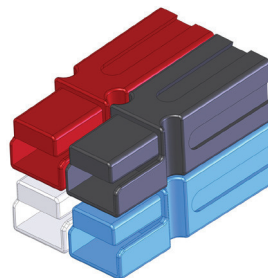
Conn Pin No.	Wire Dia. (AWG)	Description	Notes
1	14-20	Temp Sense+	Connect to NTC 10k 5% Thermistor. IMPORTANT: Connect to Battery Negative or Temp Sense Negative if not used. CAUTION: Ensure B+ and B- polarity are correct before connecting this pin, otherwise this input may be damaged. See Accessory Information below.
2	14-20	Temp Sense-	Internally connected to battery negative
3	14-20	Relay NC	Normally Closed
4	14-20	Relay COM	Common, 1A maximum. Inline 1A fuse installation recommended. 
5	14-20	Relay NO	Normally Open
6	14-20	LED +	Red Cathode, 4.5mA
7	14-20	LED -	Green Cathode, 4.5mA
8	-	NOT USED	Install sealing plug 114017

### 5.3.3 48V / 72V / 96V QuiQ-dci Models

Part numbers 922-4854, 922-7254, and 922-9654



Charger-side connector configuration



Mating connector configuration

**Connector:**

Anderson Power Products (PP75 Series)

114958G1 (shown above) or assemble separately from:

- ✦ Item 1 (top left), Qty 1: 5916G4, Black Housing
- ✦ Item 2 (bottom left), Qty 1: 5916, Blue Housing
- ✦ Item 3 (top right), Qty 1: 5916G7, Red Housing
- ✦ Item 4 (bottom right), Qty 1: 5916G5, White Housing

**Mating Connectors:**

114960G1 or assembled separately from the above and arranged to mate.

**Recommended Contacts:**

5953, 10-12 AWG, Low Detent. Charger side contacts are Low Detent. Mate with High Detent for approx 26N (6lbf) of force per connector (104N/24lbf total), (Hand Crimper 1309G4)

**Pin Configuration**

Conn Pin Clr.	Wire Dia. (AWG)	Description	Notes
BLACK	10-12	12V Ground	
BLUE	10-16	Switched Output Enable (Input)	8 – 17VDC on this pin activates the 12V Switched Output pins
RED	10-12	12V Unswitched Output	Always active 12V output
WHITE	10-12	12V Switched Output	Activated by the Switched Output Enable

**NOTE:** The 12V Output is not designed to be connected to or charge a 12V battery