

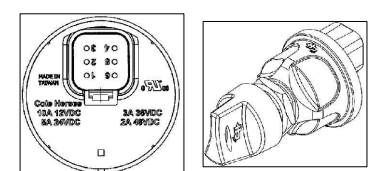
35 Pin AMPSeal 776164-1  
 TERMINAL 770520-1  
 SEALING PLUG 770678-1

|        |        |        |        |         |        |        |        |        |        |         |        |        |        |          |        |        |     |        |        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|---------|--------|--------|--------|----------|--------|--------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1      | 2      | 3      | 4      | 5       | 6      | 7      | 8      | 9      | 10     | 13      | 14     | 15     | 16     | 17       | 18     | 19     | 20  | 21     | 22     | 24     | 25     | 26     | 27     | 28     | 29     | 30     | 34     | 35     |
| USB D- | USB ID | DO1    | DO3    | FREQ IN | DI1    | DI3    | AI2    | AI4    | AO1    | USB SHD | CAN-   | DO2    | DO4    | FREQ RTN | DI2    | AI1    | AI3 | AN GND | AO GND | USB D+ | USB V+ | CAN+   | IGN    | BATT+  | BATT-  | BATT2+ | RS485- | RS485+ |
|        |        | 18-BLU | 18-BLU | 20-OPQ  | 18-BLU | 18-BLU | 18-PUR | 18-PUR | 18-PUR | 20-GRN  | 18-BLU | 18-BLU | 18-BLU | 18-PUR   | 18-PUR | 18-PUR |     |        |        |        |        | 20-YEL | 18-ORN | 18-ORN | 18-GRN | 18-ORN |        |        |

PV485  
 CONNECTOR

NOTES:  
 1. WIRES TO BE 18 AWG TXL UNLESS OTHERWISE SPECIFIED  
 2. ZIP TIE WIRE HARNESS

6 POS. CONNECTOR  
 DEUTSCH DT06-6S, WEDGE W6S  
 TERMINAL 0462-201-16141  
 SEALING PLUG 1140117-ZZ



Ignition Sw  
 Cole Hersee  
 95060-01

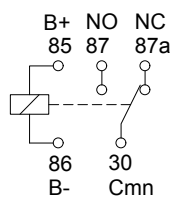
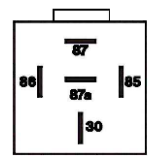
STARTER SOLENOID

|        |            |
|--------|------------|
| 18-ORG | 85 COIL B+ |
| 18-BLU | 86 COIL B- |
| 14-ORG | 30 COMMON  |
| 14-RED | 87 NO      |
| 14-ORG | 87a NC     |



FUEL/ECU & ALT EXCITE

|        |            |
|--------|------------|
| 18-ORG | 85 COIL B+ |
| 18-BLU | 86 COIL B- |
| 14-RED | 30 COMMON  |
| 14-ORG | 87 NO      |
|        | 87a NC     |

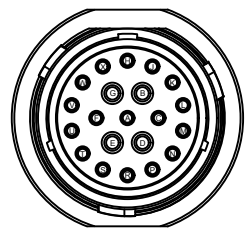


SONG CHUAN  
 Mini Relay SPDT & Bracket  
 50A

|         |                   |
|---------|-------------------|
| 14-RED  | PANEL VDC+        |
| 18-PUR  | RS3               |
| 14-ORG  | CRANK             |
| 14-GRN  | PANEL VDC-        |
| 20-BARE | CAN SHIELD        |
| 14-ORG  | FUEL/ECU          |
| 18-PUR  | RS4               |
| 18-ORG  | ALT. EXCITE       |
| 18-PUR  | DI1               |
| 18-PUR  | AO1               |
| 18-BLU  | DI2               |
| 18-BLU  | DI3               |
| 18-BLU  | DO3 Throttle Decr |
| 18-BLU  | DO4 Throttle Incr |
| 20-OPQ  | FREQ INPUT        |
| 20-GRN  | CAN LOW           |
| 20-YEL  | CAN HIGH          |
| 18-PUR  | RS1               |
| 18-PUR  | RS2               |

ENGINE CONNECTOR

21 POS. CONNECTOR  
 DEUTSCH HDP24-24-21PE  
 SZ 16 PIN 0460-202-16141  
 SZ 12 PIN 0460-204-12141  
 SP 114017-ZZ



41343 12th ST. WEST  
 PALMDALE, CA 93551  
 (661) 272-4700  
 www.murcal.com

|       |     |               |
|-------|-----|---------------|
| REV.  | A   | 08-24-21      |
|       | B   | 12-09-21      |
| DRAWN | JCD | DATE 07-22-21 |

|       |                             |             |
|-------|-----------------------------|-------------|
| TITLE | STANDARD POWER UNIT - PV485 |             |
| SCALE | NONE                        | DRAWING NO. |
|       |                             | 40-21-052-A |