

Center Label:  
WH-Batt Chgr External

End Label:  
BH-J6  
Charger

P21  
Ampehnol L177TWA7W2S with L17DM53744-1 pins

to Inspired Energy  
PH4000A/E/U  
Smart Charger

to CPF Bulkhead BH-J6

JP2  
Subconn micro 8 male pins  
View into connector face

Deadface Relay  
Pilot Signal

TE Conn 794237-1

TE Conn 794238-1

Crimp Socket: TE Conn 1-794227-0

Crimp Pin: TE Conn 1-794226-0

Mini Universal Mate-N-Lok 2

Twisted Pairs: 18 AWG  
Signal Wires: 24 AWG

External Supply  
if needed  
24-36VDC @ 20-30mA  
Pilot Signal for  
Deadface Relays

Center Label:  
WH-Batt Chgr External Pilot Supply

Subconn Pinout

1 Chgr --  
2 Chgr --  
3 SCI  
4 SDa  
5 T  
6 Pilot36V+  
7 Chgr +  
8 Chgr +

Subconn Pigtail Colors

|          |                   |
|----------|-------------------|
| 1 Black  | 7 White / Black   |
| 2 White  | 8 Red / Black     |
| 3 Red    | 9 Green / Black   |
| 4 Green  | 10 Orange / Black |
| 5 Orange | 11 Blue / Black   |
| 6 Blue   | 12 Black / White  |

D 24Oct2019 GM Added label to pilot harness, removed 12" length spec to be replaced with actual length from current as built harness

|   |           |     |                                                         |
|---|-----------|-----|---------------------------------------------------------|
| C | 18 Oct 19 | ECM | Add labels, change names and title per Top Level dwg    |
| B | 27 Aug 19 | ECM | Add Mini Universal MNL2 connector for pilot signal      |
| A | 17 Jul 19 | ECM | Flip JP2 (SubConn) to correspond to male connector face |

|                                                                  |                          |              |           |
|------------------------------------------------------------------|--------------------------|--------------|-----------|
| Title<br>WH-Chgr-Ext: Wire Harness, External Charger to Bulkhead |                          |              |           |
| Size<br>A                                                        | Document Number<br><Doc> |              | Rev<br>C  |
| Date: Thursday, October 24, 2019                                 |                          | Sheet 1 of 1 | Mellinger |