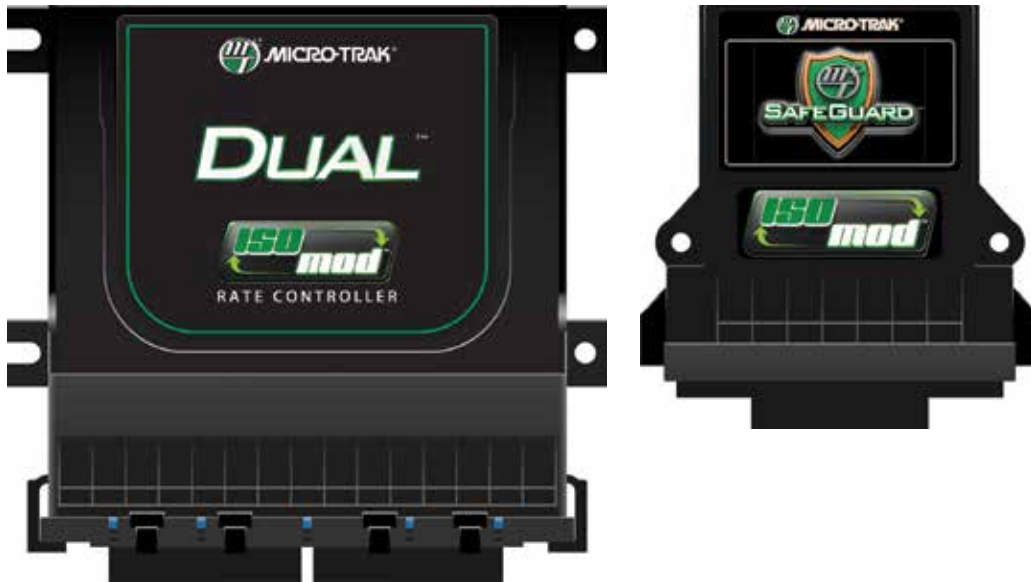


## ISOmod Connectivity Guide



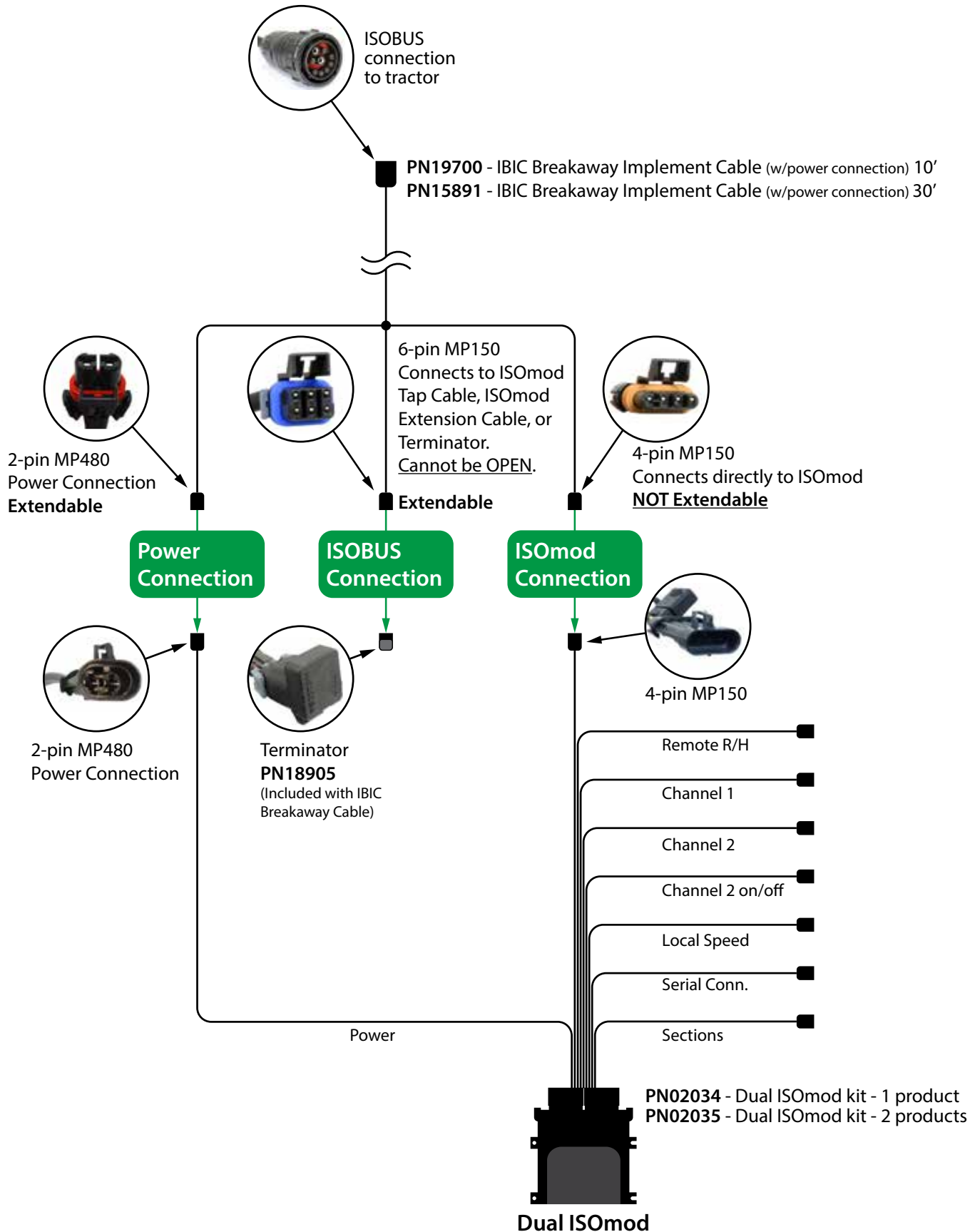
Micro-Trak offers 2 modules designed to connect to ISOBUS using the ISO 11783 standard for communication. They are **Dual ISOmod** - dual channel rate controller and **SafeGuard ISOmod** - liquid blockage monitor. This guide explains connecting these devices to ISOBUS and shows available cabling and parts. Consult current Micro-Trak pricing for a complete list of available parts.

### Example Connectivity & Information

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# IBIC Breakaway Connection w/Power

## Option 1: Direct Connection to ISOmod



# IBIC Breakaway Connection w/Power

## Option 2: Extending Connection to ISOmod

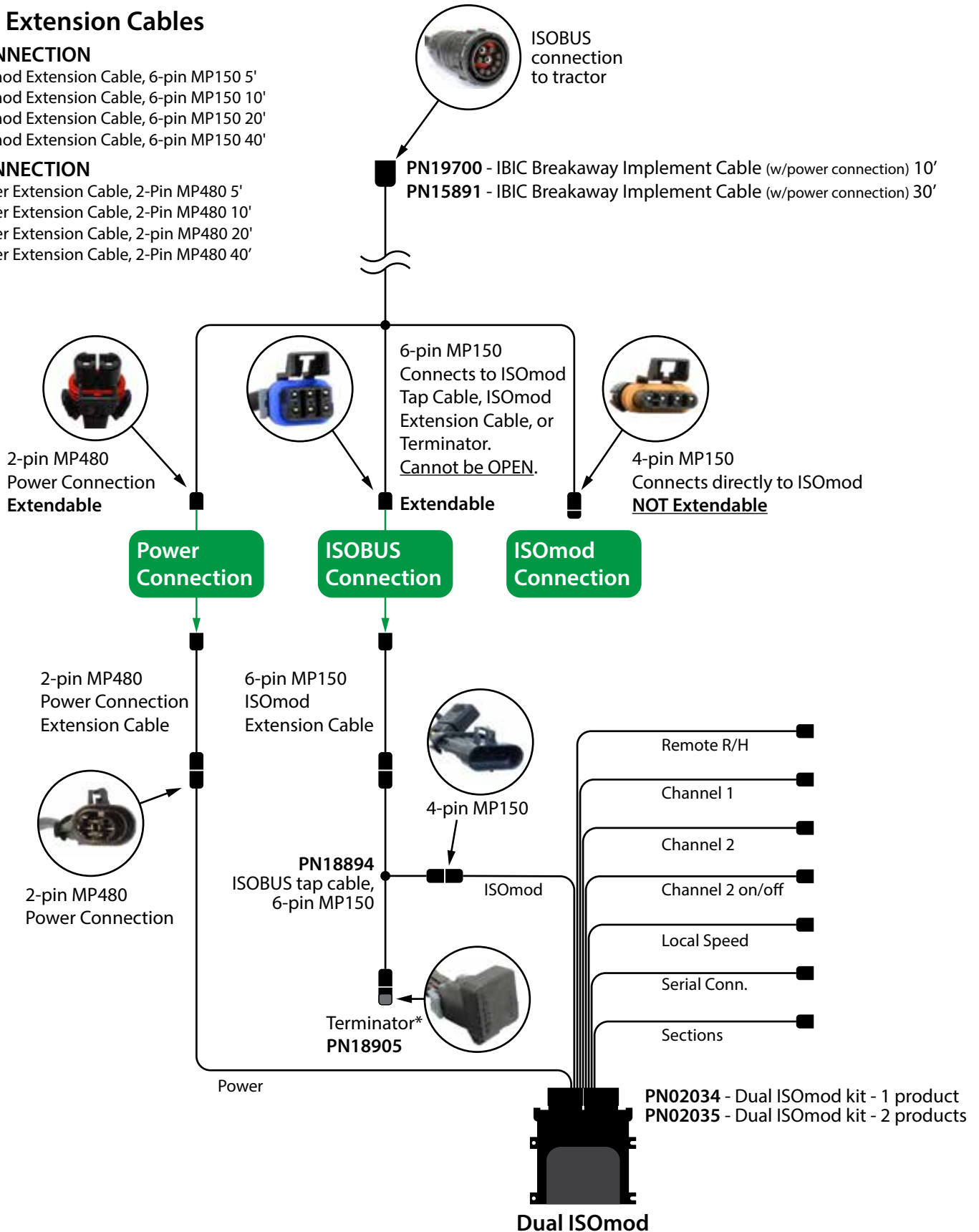
### Available Extension Cables

#### ISOBUS CONNECTION

- PN19774 ISOmod Extension Cable, 6-pin MP150 5'
- PN19775 ISOmod Extension Cable, 6-pin MP150 10'
- PN19776 ISOmod Extension Cable, 6-pin MP150 20'
- PN19778 ISOmod Extension Cable, 6-pin MP150 40'

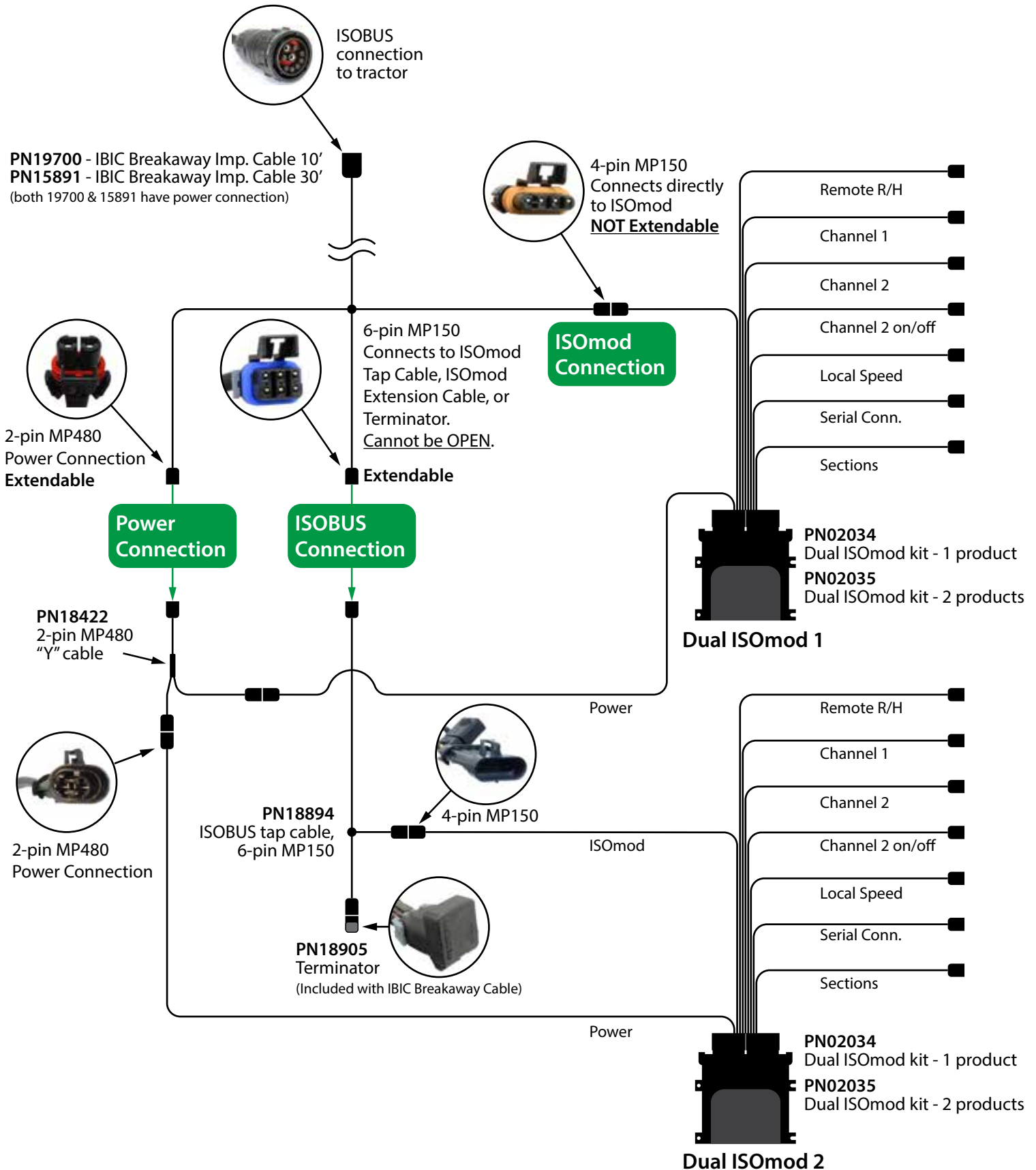
#### POWER CONNECTION

- PN18827 Power Extension Cable, 2-Pin MP480 5'
- PN18828 Power Extension Cable, 2-Pin MP480 10'
- PN18421 Power Extension Cable, 2-pin MP480 20'
- PN19347 Power Extension Cable, 2-Pin MP480 40'



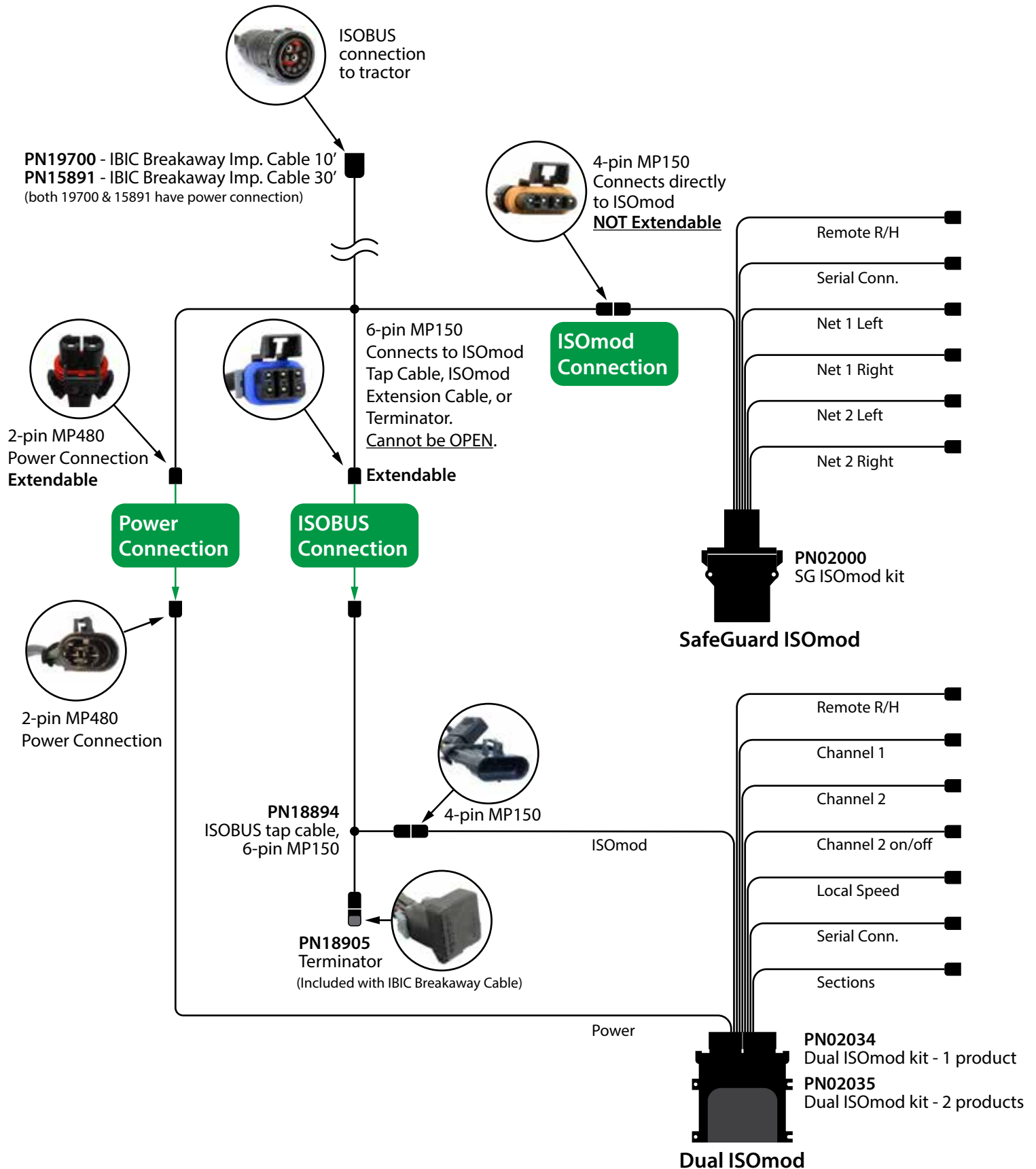
# IBIC Breakaway Connection w/Power

## Option 3: Multiple ISOmods on the bus



# IBIC Breakaway Connection w/Power

## Option 4: Dual ISOmod & SafeGuard together

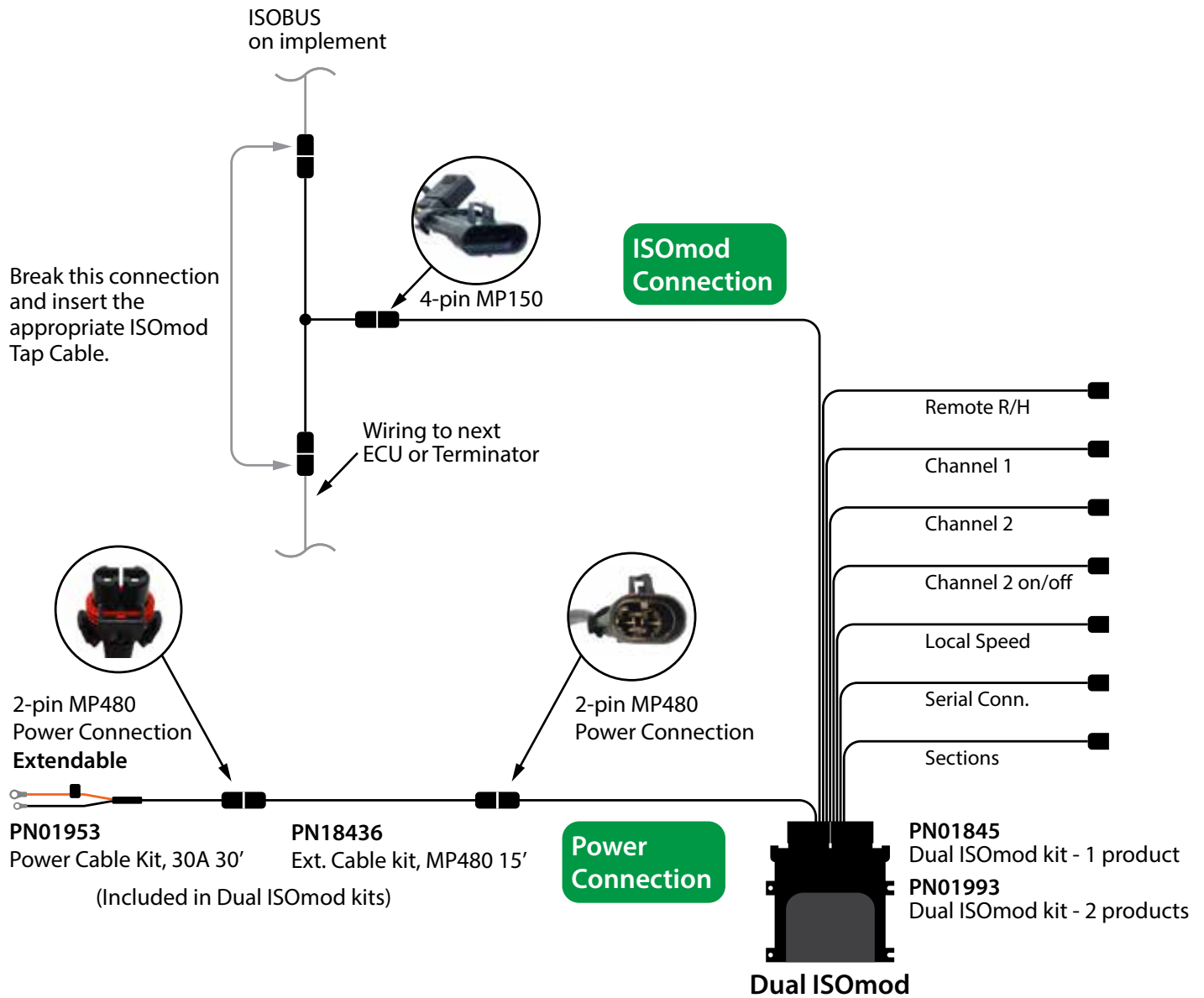


# ISOBUS on Implement

## Option 1: ISOmod Tap Cable Connection

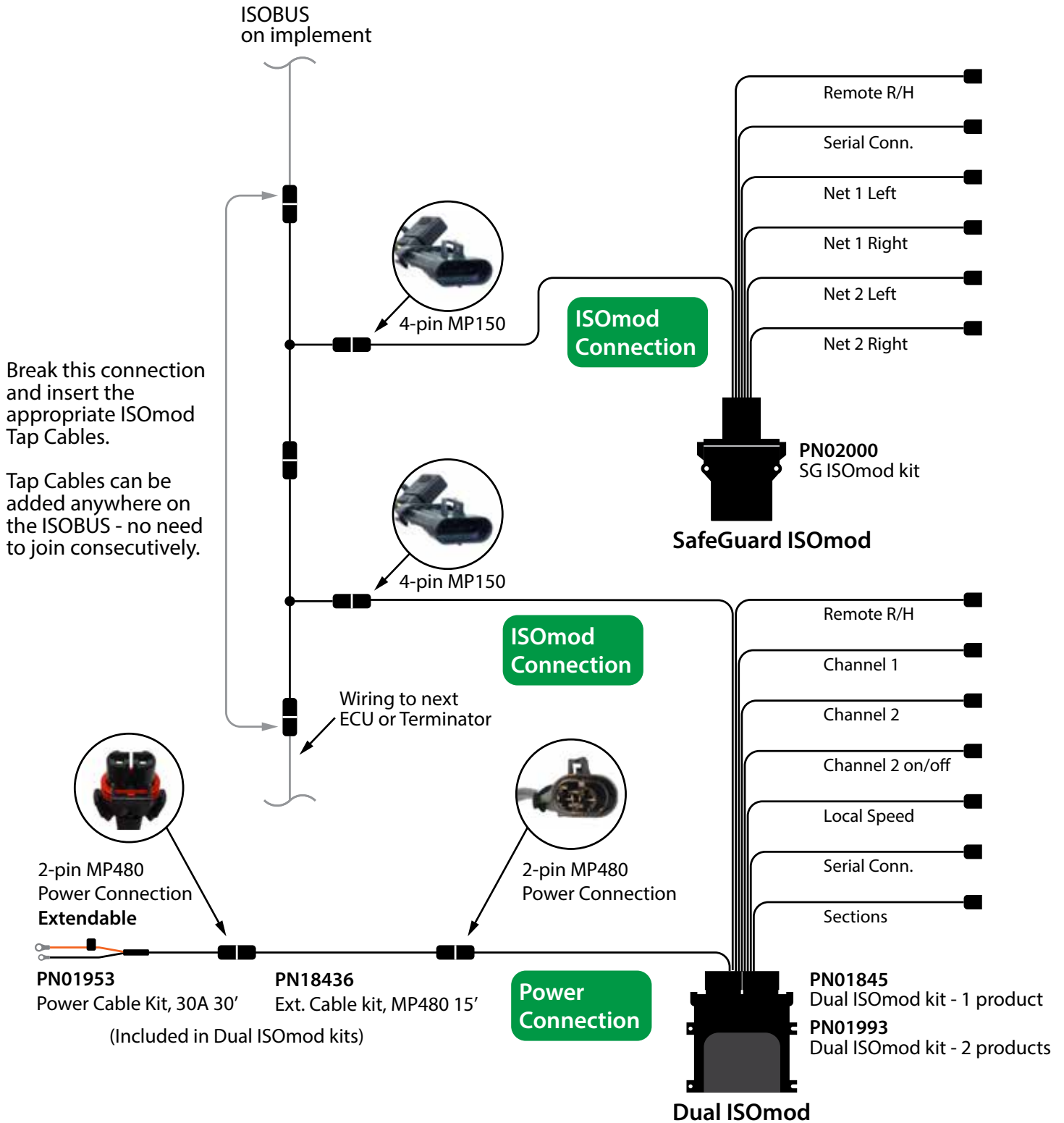
### Available Tap Cables

- PN16041 ISOBUS Tap Cable, 12-pin Deutsch (Case 2100 Series Planter)
- PN18894 ISOBUS Tap Cable, 6-pin MP150
- PN18895 ISOBUS Tap Cable, 12-pin Ampseal (John Deere)
- PN18897 ISOBUS Tap Cable, 8-pin GT280 (Case)



# ISOBUS on Implement

## Option 2: Multiple ISOmod Tap Cable Connections



# ISOBUS on Implement

## Option 3: ISOmod Tap Cable Connections w/ECU power

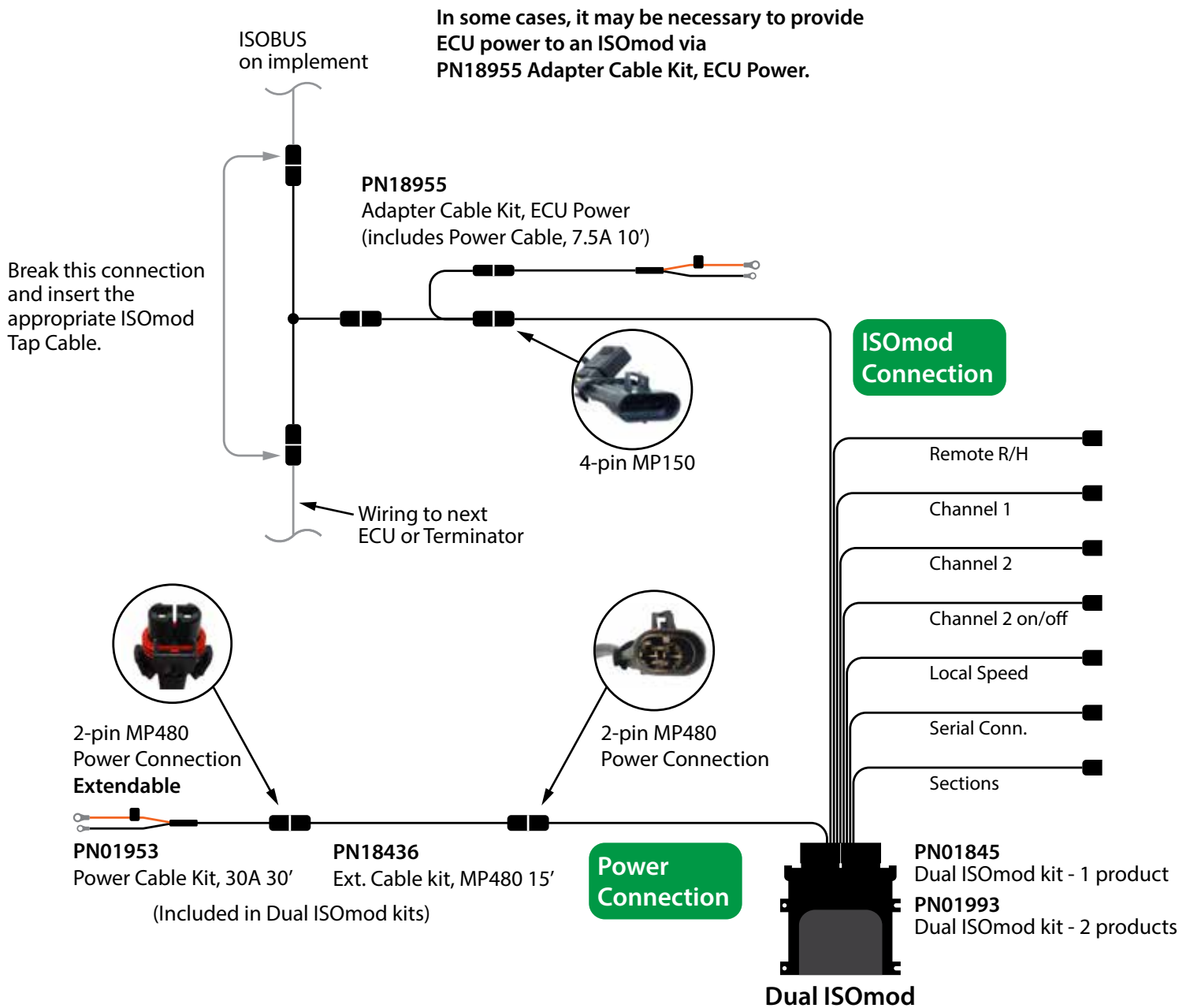
### Available Tap Cables

PN16041 ISOBUS Tap Cable, 12-pin Deutsch (Case 2100 Series Planter)

PN18894 ISOBUS Tap Cable, 6-pin MP150

PN18895 ISOBUS Tap Cable, 12-pin Ampseal (John Deere)

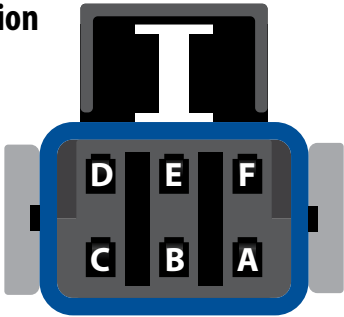
PN18897 ISOBUS Tap Cable, 8-pin GT280 (Case)





# ISOmod Tap Cable Connections w/ECU power Connector Pinouts

**ISOBUS Connection**  
**6-pin MP150**  
**Pinout**  
(contact side)



A – ECU Power - Red  
B – TBC Power - Red  
C – ECU Ground - Black  
D – TBC Ground - Black  
E – CAN High - Yellow  
F – CAN Low - Green

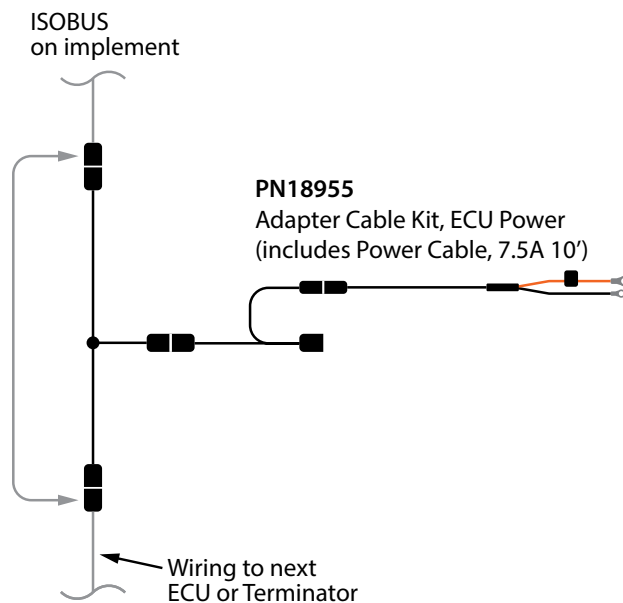
Accessibility of 12V can guide the choice of ISOmod tap cables. As pinout diagram shows, 12V power may be intended for Terminator (TBC) circuit only, or for an ECU (Electronic Control Unit). It is not possible to operate an ECU, like SafeGuard ISOmod, using Terminator power.

If only Terminator power is available, P/N18955 Adapter Cable Kit, ECU Power adds a 12V connection for ECU power.

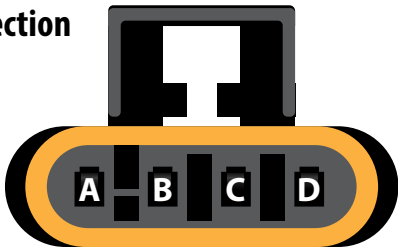
## Available Tap Cables

- PN16041 ISOBUS Tap Cable, 12-pin Deutsch (Case 2100 Series Planter)
- PN18894 ISOBUS Tap Cable, 6-pin MP150
- PN18895 ISOBUS Tap Cable, 12-pin Ampseal (John Deere)
- PN18897 ISOBUS Tap Cable, 8-pin GT280 (Case)

Break this connection and insert the appropriate ISOmod Tap Cable.



**ISOmod Connection**  
**4-pin MP150**  
**Pinout**  
(contact side)



A – Power - Red  
B – Ground - Black  
C – CAN High - Yellow  
D – CAN Low - Green

# ISOmod Cable Photos

**P/N 19700 - IBIC breakaway Implement Cable w/Power Connection 10'**  
**P/N 15891 - IBIC breakaway Implement Cable w/Power Connection 30'**  
Connectors - Powell/Amphenol IBIC, 4-pin MP150, 6-pin MP150, 2-pin MP480



**P/N 16041 - ISOBUS Tap Cable, 12-pin Deutsch (Case 2100 Series Planter)**  
Primary Connectors - 12-pin Deutsch  
Tap - 4-pin MP150



## ISOmod Cable Photos

### **P/N 18894 - ISOBUS Tap Cable, 6-pin MP150**

Primary Connectors - 6-pin MP150

Tap - 4-pin MP150



### **P/N 18895 - ISOBUS Tap Cable, 12-Pin Ampseal (John Deere)**

Primary Connectors - Ampseal 16 12-pin

Tap - 4-pin MP150



# ISOmod Cable Photos

## P/N 18897 - ISOBUS Tap Cable, 8-pin GT280 (Case)

Primary Connectors - Delphi GT280 8-pin

Tap - 4-pin MP150



## P/N 18955 Adapter Cable kit, ECU Power

Adapter Connectors - 4-pin MP150 (2), 2-pin MP150



10' Power Cable Connectors - 5/16" Ring Terminals (2), 2-pin MP150

