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Field-IQ Modules
Module Capabilities and GFX Display Options

Field-IQ Module(s)	Module Capabilities	
	Rate and Section Control Module *(75774-01)*	**Seed Monitoring Module** *(76774-05)*
	▸ Controls (12) Sections/Rows per Module ▸ Add up to 4 Modules to Control 48 Sections/Rows ▸ Controls Rate, 1 Drive per module, up to 4 drives ▸ PWM or Servo rate control ▸ 2 pressure, Implement switch, Bin Level, Gate Height, Spinner or Fan RPM	▸ 24 Inputs per module to read seed or blockage sensors ▸ Up to 4 Modules for 96 rows

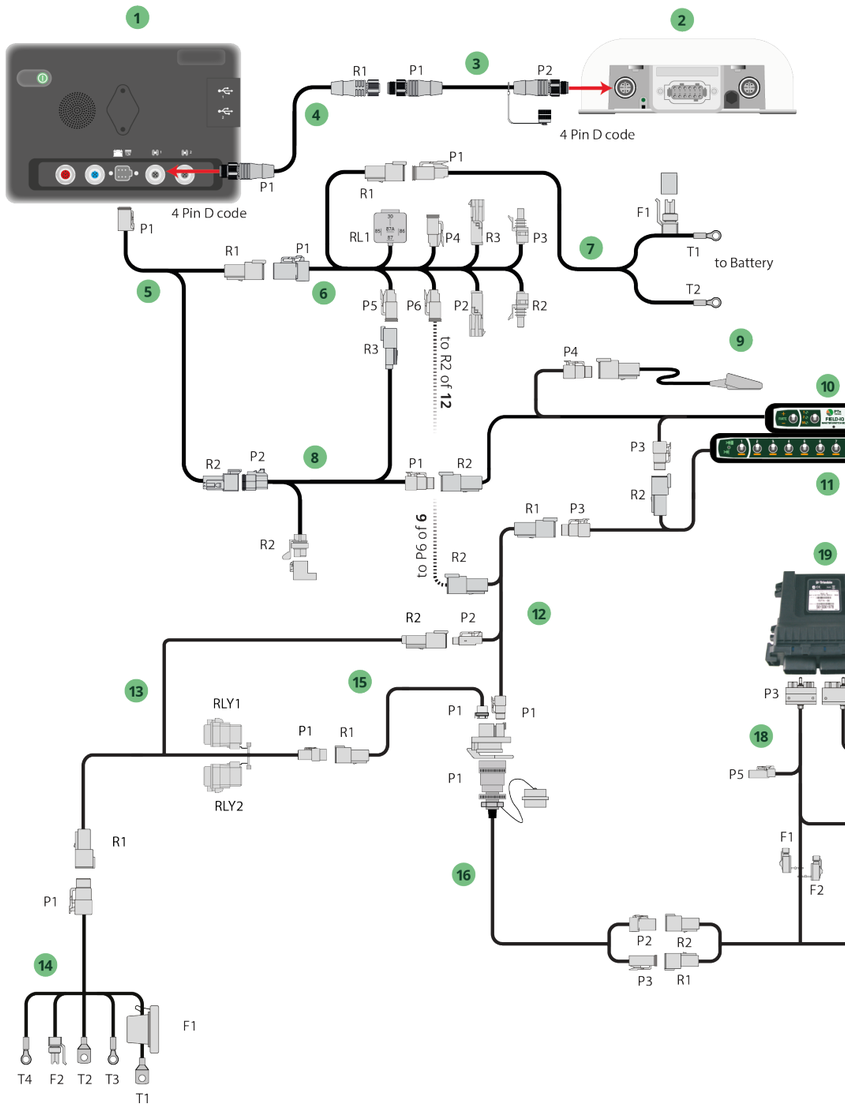
GFX Displays	GFX Display Options				
	Controlled Channels	**Field-IQ Section Control**	**Field-IQ Controlled Product Drives**	**Population/Blockage Monitoring**	**Details** *(pop, sing, skips, multiples, spacing)*
GFX-1260 Display 	Option-1 channel Up to 6 channels *	Up to 48 sections	Up to 6	Up to 96 rows	Standard
GFX-1060 Display 	Option-1 channel Up to 6 channels *	Up to 48 sections	Up to 6	Up to 96 rows	Standard
GFX-350 Display 	Option-1 channel Up to 2 channels *	Up to 24 sections	Up to 6	Up to 48 rows	Standard

** Any additonal channels require the Multi Channel/Multi Product license.*

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Field-IQ Planter
Rate and Section Control, Seed Monitoring, Switch Boxes

PM/CT Style 12 Rows or Fewer



PTx Trimble

Field-IQ Planter
Rate and Section Control, Seed Monitoring, Switch Boxes

PM/CT Style

GFX Display System Cabling

Item	Description	P/N
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	*Optional:* Foot Switch	78150

Field-IQ Planter Cabling - Rate and Section Control, Seed Monitoring, Switch Boxes

Item	Description	P/N
10	*Optional:* Field-IQ Master switch box	80800-00
11	*Optional:* 12 section switch box	80600-00
12	Cab to hitch CAN cable	77368
13	Duel power relay cut-off	77533
14	Power to cab cable	76941
15	*Optional:* Powell quick disconnect (tractor side)	77413
16	*Optional:* Implement harness (Powell adapter) (implement side)	77611-01
17	CAN/Power extension cable	75528-xx
18	Cable assembly, rate/section module tee	75526
19	Seed monitoring module (SMM)	76774-05
20	**Existing population sensor harness adapters**	
	Seed monitoring module adapter PM style (24 or fewer rows)	82537
	Seed monitoring module adapter PM/CT style (25 - 32 rows)	119531
	Seed monitoring module adapter CT style (24 or fewer rows)	82536
21	**Bin Level Sensor Adapter and Fan Speed Sensor Adapter**	
	Field-IQ to John Deere bin level sensor	82789
	White bin/hopper level sensor adapter	82928
22	Rate and Section Control Module	75774-01
23	Field-IQ Implement Terminator Adapter	75529
24	Field-IQ Rate + Section Implement Adapter	80540

Field-IQ Planter Cabling - Rate and Section Control, Seed Monitoring, Switch Boxes

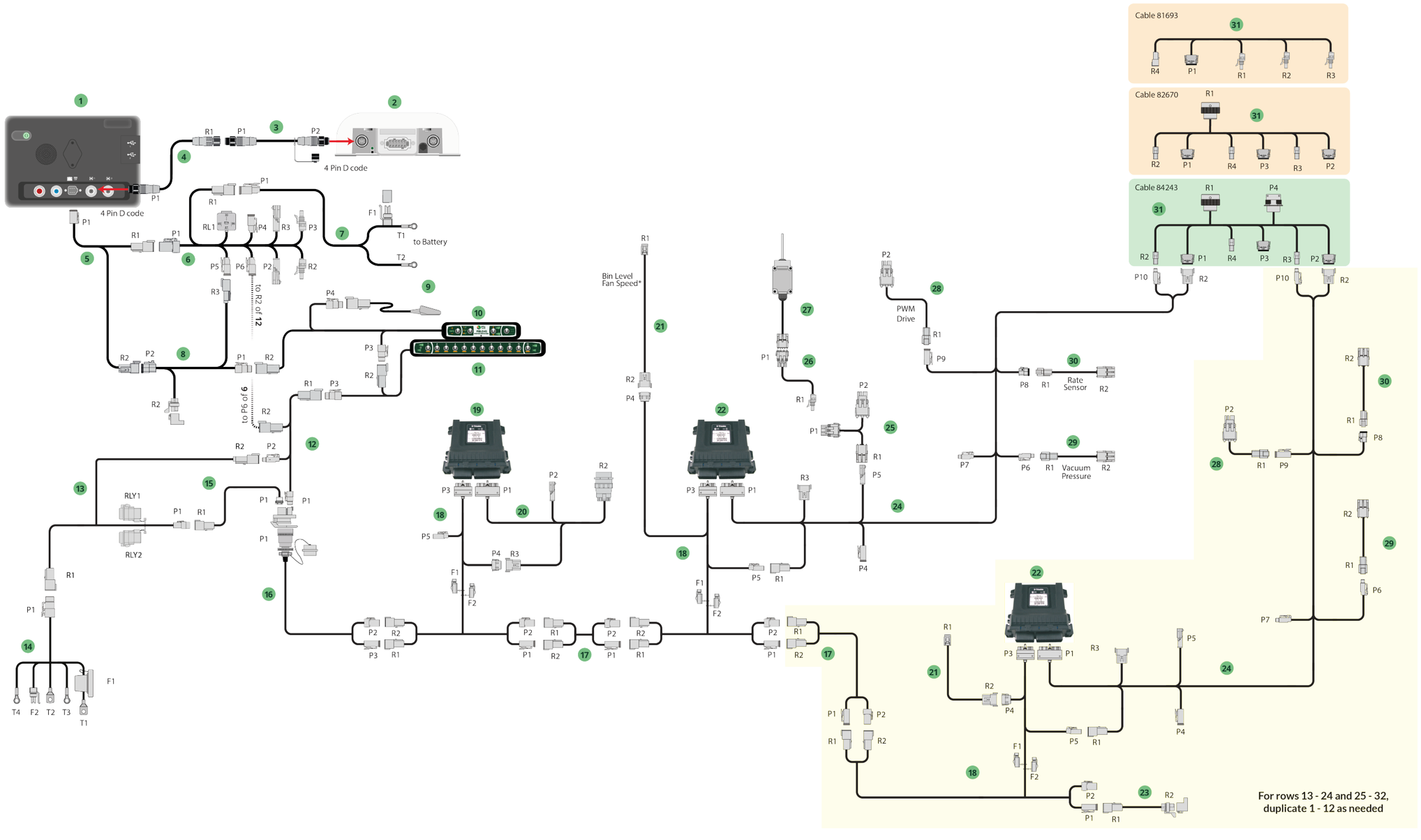
Item	Description	P/N
25	**Implement Lift Switch Adapter**	
	Field-IQ to John Deere implement lift switch	82743
	Field-IQ to White implement switch	109828
26	10' implement switch extension cable	77543
27	Whisker Switch	77636
28	**PWM Drive Adapter**	
	Field-IQ to KZ 2-wire/JD PWM	82706
	Field-IQ to Case IH/Kinze PWM	82919
	DJ PWM, control valve adapter	80960
29	Field-IQ to John Deere vacuum sensor	82744
30	Field-IQ to Dickey-John encoder/flowmeter (JD/Case IH/Kinze)	80539
31	**Row Section Control Adapter**	
	Field-IQ to Tru Count Breakout Adapter	81693
	John Deere Row Command adapter cable (non-DB Series)	82670
	Row Command Clutch adapter (model year 2011+, 1770)	84243

- If the optional Field-IQ Master switch box (**10**) is not used, connect **R1** of the CAN to Hitch cable (**12**) to **P1** of Cable Assy, GFX, Field-IQ, Active CAN terminator (**8**)
- Cable 21 has the capability to connect a Fan Speed Sensor — specific requirements of the sensor will be needed for pin-out

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Field-IQ Planter
Rate and Section Control, Seed Monitoring, Switch Boxes

PM/CT Style 24 Rows or Fewer Shown



PTx Trimble

Field-IQ Planter

Rate and Section Control, Seed Monitoring, Switch Boxes

PM/CT Style

GFX Display System Cabling

Item	Description	P/N
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	*Optional:* Foot Switch	78150

Field-IQ Planter Cabling - Rate and Section Control, Seed Monitoring, Switch Boxes

Item	Description	P/N
10	*Optional:* Field-IQ Master switch box	80800-00
11	*Optional:* 12 section switch box	80600-00
12	Cab to hitch CAN cable	77368
13	Duel power relay cut-off	77533
14	Power to cab cable	76941
15	*Optional:* Powell quick disconnect (tractor side)	77413
16	*Optional:* Implement harness (Powell adapter) (implement side)	77611-01
17	CAN/Power extension cable	75528-xx
18	Cable assembly, rate/section module tee	75526
19	Seed monitoring module (SMM)	76774-05
20	**Existing population sensor harness adapters**	
	Seed monitoring module adapter PM style (24 or fewer rows)	82537
	Seed monitoring module adapter PM/CT style (25 - 32 rows)	119531
	Seed monitoring module adapter CT style (24 or fewer rows)	82536
21	**Bin Level Sensor Adapter and Fan Speed Sensor Adapter**	
	Field-IQ to John Deere bin level sensor	82789
	White bin/hopper level sensor adapter	82928
22	Rate and Section Control Module	75774-01
23	Field-IQ Implement Terminator Adapter	75529
24	Field-IQ Rate + Section Implement Adapter	80540

Field-IQ Planter Cabling - Rate and Section Control, Seed Monitoring, Switch Boxes

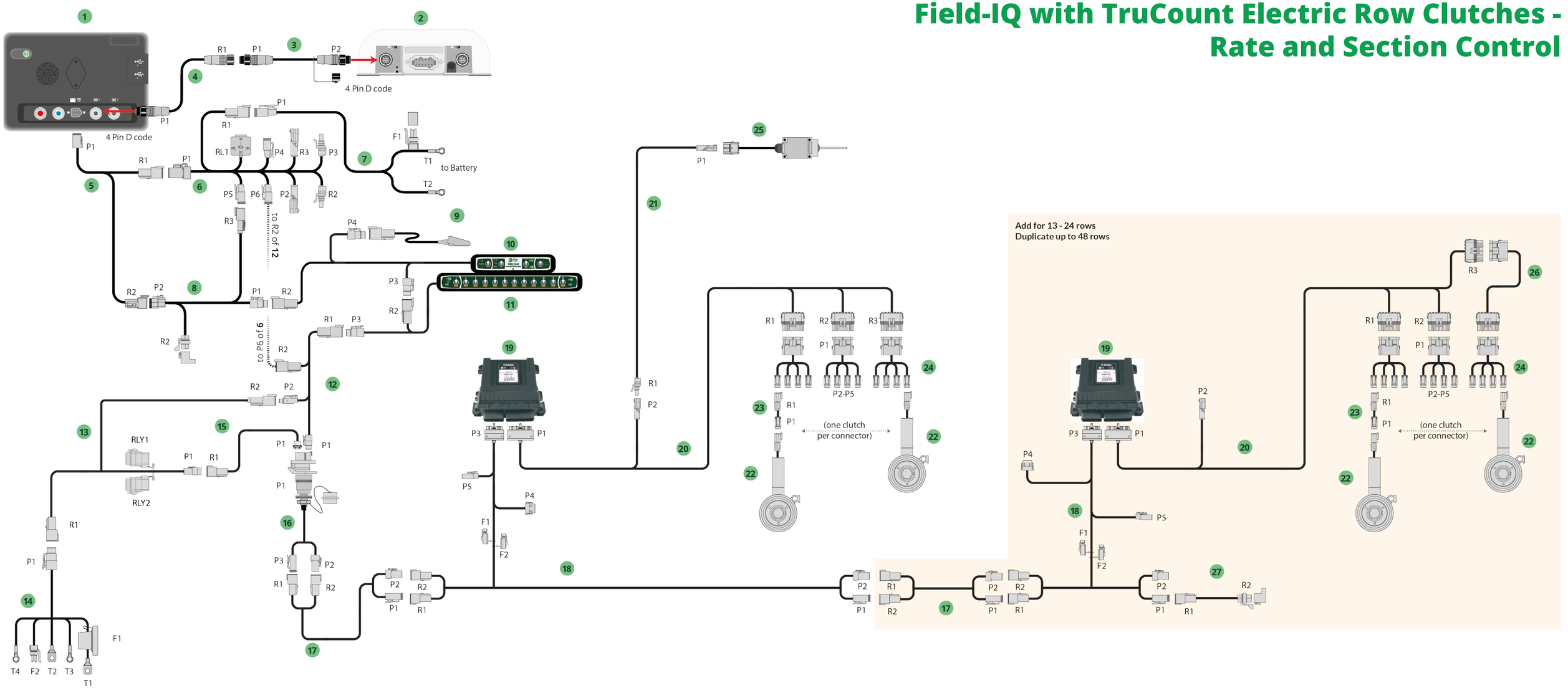
Item	Description	P/N
25	**Implement Lift Switch Adapter**	
	Field-IQ to John Deere implement lift switch	82743
	Field-IQ to White implement switch	109828
26	10' implement switch extension cable	77543
27	Whisker Switch	77636
28	**PWM Drive Adapter**	
	Field-IQ to KZ 2-wire/JD PWM	82706
	Field-IQ to Case IH/Kinze PWM	82919
	DJ PWM, control valve adapter	80960
29	Field-IQ to John Deere vacuum sensor	82744
30	Field-IQ to Dickey-John encoder/flowmeter (JD/Case IH/Kinze)	80539
31	**Row Section Control Adapter**	
	Field-IQ to Tru Count Breakout Adapter	81693
	John Deere Row Command adapter cable (non-DB Series)	82670
	Row Command Clutch adapter (model year 2011+, 1770)	84243

- If the optional Field-IQ Master switch box (**10**) is not used, connect **R1** of the CAN to Hitch cable (**12**) to **P1** of Cable Assy, GFX, Field-IQ, Active CAN terminator (**8**)
- Cable 21 has the capability to connect a Fan Speed Sensor — specific requirements of the sensor will be needed for pin-out

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Field-IQ Planter
Rate and Section Control Switch Boxes

Field-IQ with TruCount Electric Row Clutches - Rate and Section Control



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Field-IQ Planter
Rate and Section Control Switch Boxes

Field-IQ with TruCount Electric Row Clutches - Rate and Section Control

GFX Display System Cabling		
Item	**Description**	**P/N**
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	*Optional:* Foot Switch	78150

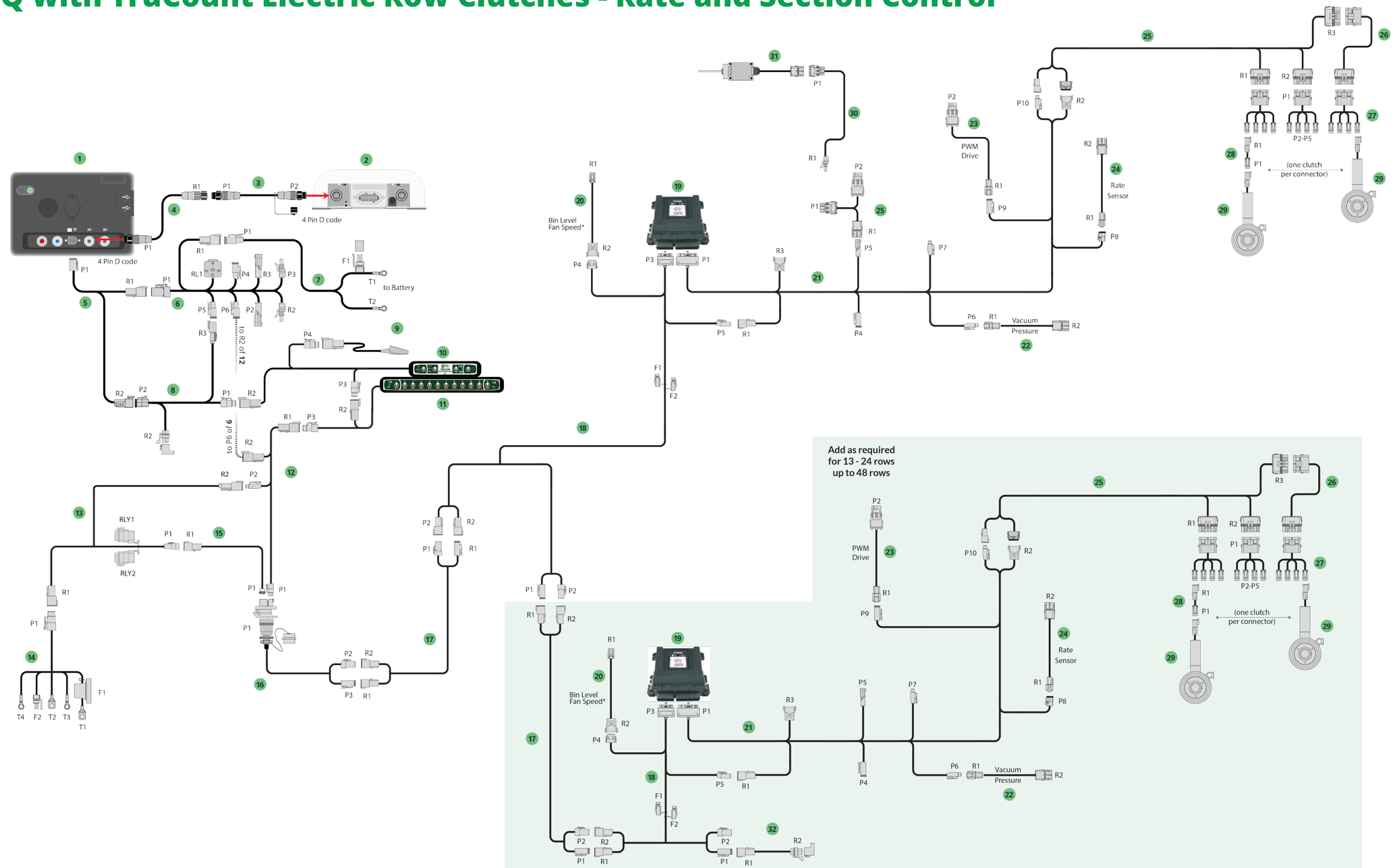
Field-IQ Planter Cabling - Section Control, Switch Boxes		
Item	**Description**	**P/N**
10	*Optional:* Field-IQ Master switch box	80800-00
11	*Optional:* 12 section switch box	80600-00
12	Cab to hitch CAN cable	77368
13	Duel power relay cut-off	77533
14	Power to cab cable	76941
15	*Optional:* Powell quick disconnect (tractor side)	77413
16	*Optional:* Implement harness (Powell adapter) (implement side)	77611-01
17	CAN/Power extension cable	75528-xx
18	Cable assembly, rate/section module tee	75526
19	Rate and Section Control Module	75774-01
20	Cable assembly, Field-IQ Section Control Module TruCount	76859
21	25' implement switch extension cable	77542
22	Electric row clutch	89169-xx
23	*Optional:* 2-pin DTM extension cable	118995
24	Electric clutch control cable	117025
25	Whisker Switch	77636
26	*Optional:* TruCount extension cable	69018
27	Field-IQ Implement Terminator Adapter Implement terminator kit (includes 75941)	75529

- If the optional Field-IQ Master switch box (**10**) is not used, connect **R1** of the CAN to Hitch cable (**12**) to **P1** of Cable Assy, GFX, Field-IQ, Active CAN terminator (**8**)

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Field-IQ Planter
Rate and Section Control Switch Boxes

Field-IQ with TruCount Electric Row Clutches - Rate and Section Control



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Field-IQ Planter
Rate and Section Control Switch Boxes

Field-IQ with TruCount Electric Row Clutches - Rate and Section Control

GFX Display System Cabling		
Item	**Description**	**P/N**
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	*Optional:* Foot Switch	78150

Field-IQ Planter Cabling - Section Control, Switch Boxes		
Item	**Description**	**P/N**
10	*Optional:* Field-IQ Master switch box	80800-00
11	*Optional:* 12 section switch box	80600-00
12	Cab to hitch CAN cable	77368
13	Duel power relay cut-off	77533
14	Power to cab cable	76941
15	*Optional:* Powell quick disconnect (tractor side)	77413
16	*Optional:* Implement harness (Powell adapter) (implement side)	77611-01
17	CAN/Power extension cable	75528-xx
18	Cable assembly, rate/section module tee	75526
19	Rate and Section Control Module	75774-01
20	**Bin Level Sensor Adaptor and Fan Speed**	
	Field-IQ to John Deere bin level sensor	82789
	White bin/hopper level sensor adapter	82928
21	Field-IQ Rate + Section Implement Adapter	80540
22	Field-IQ to John Deere Vacuum Sensor	82744

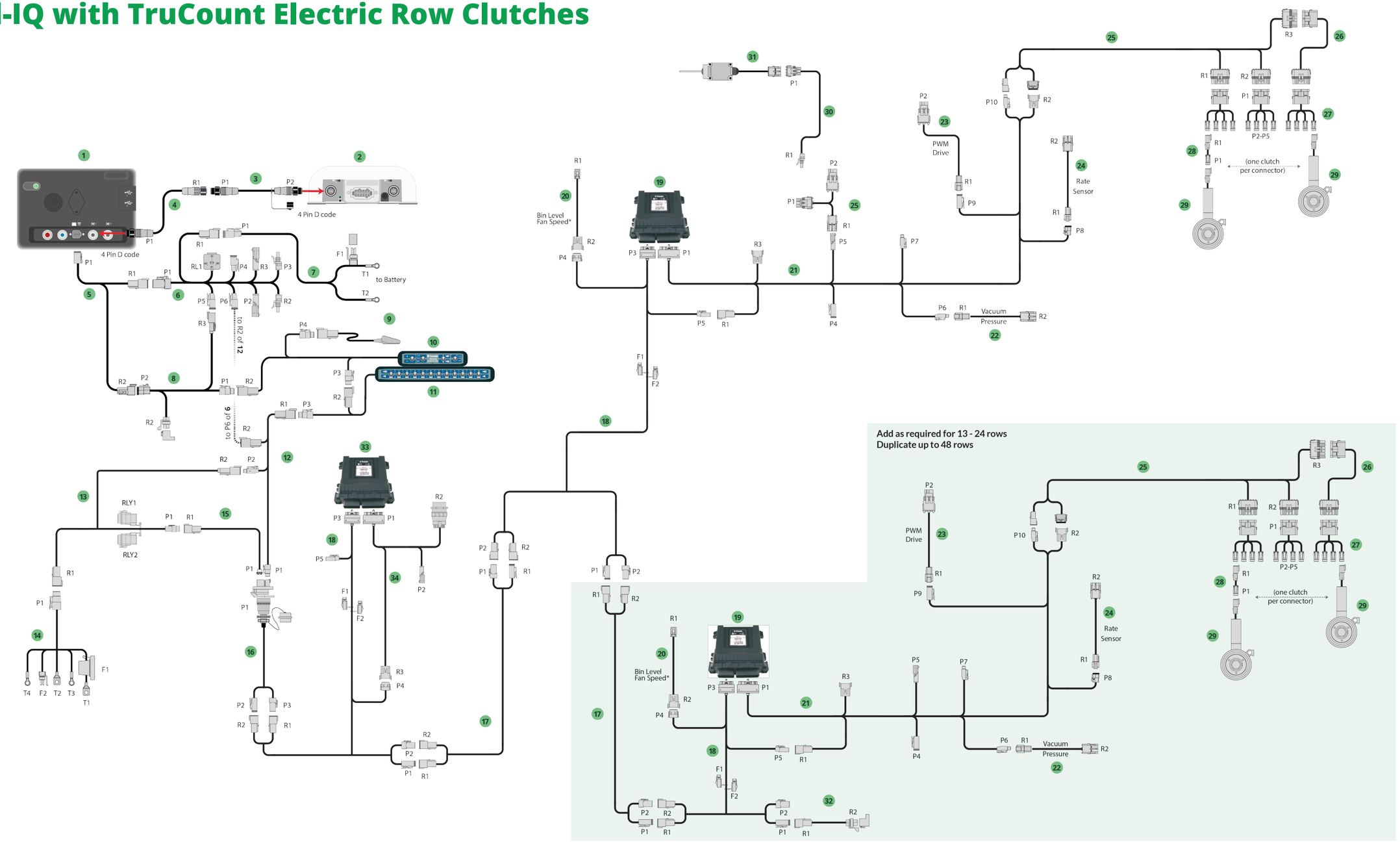
Field-IQ Planter Cabling - Section Control, Switch Boxes		
Item	**Description**	**P/N**
23	**PWM Drive Adapter**	
	Field-IQ to KZ 2-wire/JD PWM	82706
	Field-IQ to Case IH/Kinze PWM	82919
	DJ PWM, Control valve adapter	80960
24	Field-IQ to Dickey-John encoder/flowmeter (JD/Case/Kinze)	80539
25	Cable Assy. Field-IQ to Tru Count Breakout Adapter	81693
26	*Optional:* TruCount extension cable	69018
27	Electric clutch control cable	117025
28	*Optional:* 2-pin DTM extension cable	118995
29	Electric row clutch	89169-xx
30	25' implement switch extension cable	77542
31	Whisker Switch	77636
32	Field-IQ Implement Terminator Adapter Implement terminator kit (includes 75941)	75529

- If the optional Field-IQ Master switch box (**10**) is not used, connect **R1** of the CAN to Hitch cable (**12**) to **P1** of Cable Assy, GFX, Field-IQ, Active CAN terminator (**8**)
- Cable 20 has the capability to connect a Fan Speed Sensor — specific requirements of the sensor will be needed for pin-out

PTx Trimble

Field-IQ Planter
Rate and Section Control with Seed Monitoring

Field-IQ with TruCount Electric Row Clutches



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Field-IQ Planter
Rate and Section Control with Seed Monitoring

Field-IQ with TruCount Electric Row Clutches

GFX Display System Cabling

Item	Description	P/N
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	*Optional:* Foot Switch	78150

Field-IQ Planter Cabling - Section Control, Switch Boxes

Item	Description	P/N
10	*Optional:* Field-IQ Master switch box	80800-00
11	*Optional:* 12 section switch box	80600-00
12	Cab to hitch CAN cable	77368
13	Duel power relay cut-off	77533
14	Power to cab cable	76941
15	*Optional:* Powell quick disconnect (tractor side)	77413
16	*Optional:* Implement harness (Powell adapter) (implement side)	77611-01
17	CAN/Power extension cable	75528-xx
18	Cable assembly, rate/section module tee	75526
19	Rate and Section Control Module	75774-01
20	**Bin Level Sensor Adaptor and Fan Speed**	
	Field-IQ to John Deere bin level sensor	82789
	White bin/hopper level sensor adapter	82928
21	Field-IQ Rate + Section Implement Adapter	80540
22	Field-IQ to John Deere Vacuum Sensor	82744

Field-IQ Planter Cabling - Section Control, Switch Boxes

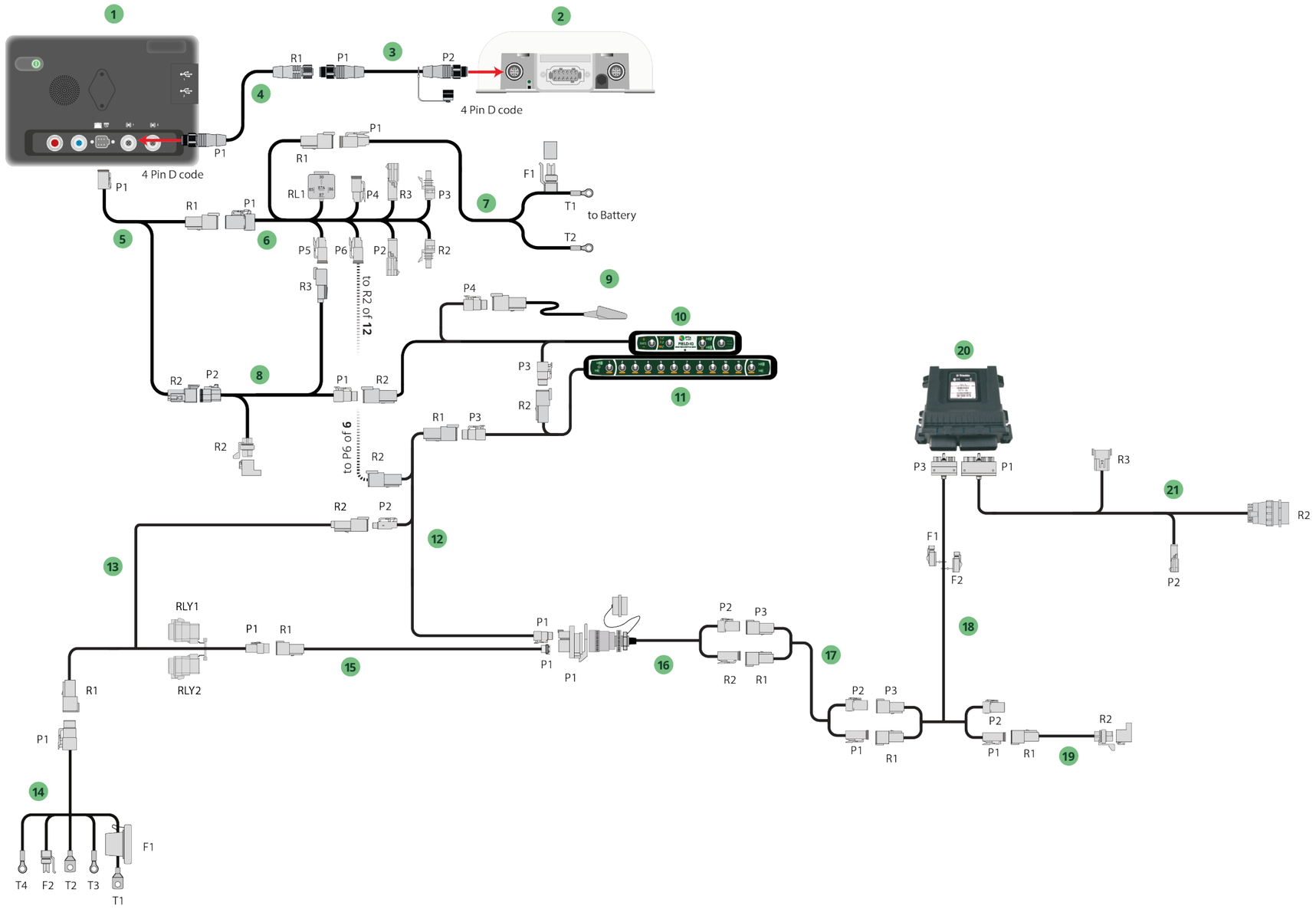
Item	Description	P/N
23	**PWM Drive Adapter**	
	Field-IQ to KZ 2-wire/JD PWM	82706
	Field-IQ to Case IH/Kinze PWM	82919
	DJ PWM, Control valve adapter	80960
24	Field-IQ to Dickey-John encoder/flowmeter (JD/Case/Kinze)	80539
25	Cable Assy. Field-IQ to Tru Count Breakout Adapter	81693
26	*Optional:* TruCount extension cable	69018
27	Electric clutch control cable	117025
28	*Optional:* 2-pin DTM extension cable	118995
29	Electric row clutch	89169-xx
30	25' implement switch extension cable	77542
31	Whisker Switch	77636
32	Field-IQ Implement Terminator Adapter Implement terminator kit (includes 75941)	75529
33	Seed Monitoring Module (SMM)	76774-05
34	**Existing population sensor harness adapters**	
	Seed Monitoring Module adapter PM style (24 or fewer rows)	82537
	Seed Monitoring Module adapter PM style (25-32 rows)	119531
	Seed Monitoring Module adapter CT style (24 or fewer rows)	82536

- If the optional Field-IQ Master switch box (**10**) is not used, connect **R1** of the CAN to Hitch cable (**12**) to **P1** of Cable Assy, GFX, Field-IQ, Active CAN terminator (**8**)
- Cable 20 has the capability to connect a Fan Speed Sensor — specific requirements of the sensor will be needed for pin-out

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Field-IQ Planter

Field-IQ Seed Monitoring Switch Boxes



GFX Display System Cabling		
Item	**Description**	**P/N**
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	*Optional:* Foot Switch	78150

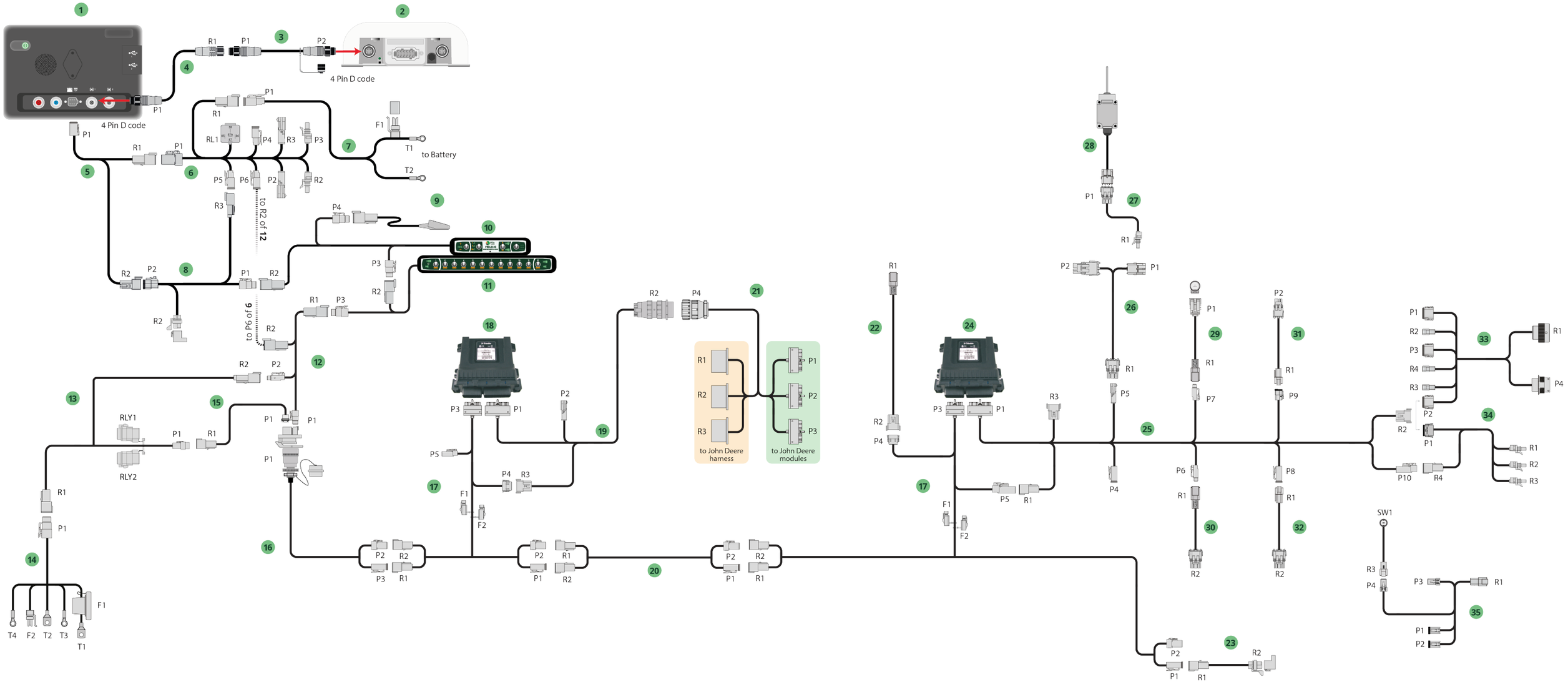
Field-IQ Planter Cabling		
Item	**Description**	**P/N**
10	*Optional:* Field-IQ Master switch box	80800-00
11	*Optional:* 12 section switch box	80600-00
12	Cab to hitch CAN cable	77368
13	Duel power relay cut-off	77533
14	Power to cab cable	76941
15	*Optional:* Powell quick disconnect (tractor side)	77413
16	*Optional:* Implement harness (Powell adapter) (implement side)	77611-01
17	CAN/Power extension cable	75528-xx
18	Cable assembly, rate/section module tee	75526
19	Field-IQ Implement Terminator Adapter Implement terminator kit (includes 75941)	75529
20	Seed Monitoring Module (SMM)	76774-05
21	**Existing population sensor harness adapters**	
	Seed Monitoring Module adapter PM style (24 or fewer rows)	82537
	Seed Monitoring Module adapter PM style (25-32 rows)	119531
	Seed Monitoring Module adapter CT style (24 or fewer rows)	82536

- If the optional Field-IQ Master switch box (**10**) is not used, connect **R1** of the CAN to Hitch cable (**12**) to **P1** of Cable Assy, GFX, Field-IQ, Active CAN terminator (**8**)

PTx Trimble

Field-IQ Planter
Rate and Section Control with Seed Monitoring

John Deere 2011 and Newer John Deere 1770



PTx Trimble

Field-IQ Planter
Rate and Section Control with Seed Monitoring

John Deere 2011 and Newer John Deere 1770

GFX Display System Cabling		
Item	**Description**	**P/N**
1	GFX series displays with PIQ app	
2	NAV-900 or NAV-960 guidance controller	
3	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR), 5 m	110540
4	Cable Assy, GFX to NAV-500/900, Power/Ethernet (BRR) Extension, 2.5 m. Optional extension for large vehicles.	112082
5	Cable Assy, GFX, Power to display, CAN, 2.5 m	110551
6	Cable Assy, GFX/CFX/FMX Power with Relay and Switch (Acc)	67259
7	Cable Assy, GFX/CFX/FMX/Basic Power, 4 m	67258
8	Cable Assy, GFX, Field-IQ, Active CAN terminator	111083
9	*Optional:* Foot Switch	78150

- If the optional Field-IQ Master switch box (**10**) is not used, connect **R1** of the CAN to Hitch cable (**12**) to **P1** of Cable Assy, GFX, Field-IQ, Active CAN terminator (**8**)

Field-IQ Planter Cabling - John Deere 2011 and Newer John Deere 1770		
Item	**Description**	**P/N**
10	Field-IQ Master switch box	80800-00
11	*Optional:* 12 section switch box	80600-00
12	Cab to hitch cable	77368
13	Duel power relay cut-off	77533
14	Power to cab cable	76941
15	*Optional:* Powell quick disconnect (tractor side)	77413
16	*Optional:* Implement harness (Powell adapter) (implement side)	77611-01
17	Cable assembly, rate/section module tee	75526
18	Seed Monitoring Module (SMM)	76774-05
19	Seed Monitoring Module adapter PM style (24 or fewer rows)	82537
	Seed Monitoring Module adapter PM style (25-32 rows)	119531
20	CAN/Power extension cable	75528-xx
21	Planter Seed Sensor Cable, JD 2011 and Later	97040
22	Field IQ to JD Bin Level Sensor	82789
23	Field-IQ Implement Terminator Adapter	75529
24	Rate and Section Control Module	75774-01
25	Field IQ Rate and Section Implement Adapter	80540
26	Field IQ to JD Implement Lift Switch	82743
27	10’ implement switch extension cable	77543
28	Whisker Switch	77636
29	Downforce Sensor Pressure Cable	87023
30	Field IQ to JD Vacuum Sensor	82744
31	Field IQ to Kinze 2 Wire/JD PWM	82706
32	Field IQ to JD Encoder/Flowmeter (JD/Case IH/Kinze)	80539
33	Clutch Adaptor Cable, JD 2011 and Later	84243
34	Field IQ to Tru Count Breakout Adapter	81693
35	DownForce Adjustment Cable	87022