

End of Life (EOL) will be issued 1 March 2016 for the products listed below.

Last Time Buy (LTB) will be issued 1 March 2016 for the products listed below.

Last Time Delivery (LTD) will be issued 1 March 2016 for the products listed below.

Beijer Electronics will no longer accept purchase orders for the below-mentioned EOL product.

Handheld HMI Subject to EOL		Suggested replacement articles (not necessarily 100% compatible)
Model	Part Numbers	
P04-021	P04-021	N04-426

The next pages show the technical details of the two cables including the pin-out for N04-426 replacement cable. It comes with a 12 pin circular Hirose connector on one end and nothing on the other. The customer will need to use the pin-out guide (shown in the next pages) and add the appropriate connector. Beijer does not supply this cable in a form other than this.

Thank you for your attention to this End of Life notification. If you have any questions or concerns, please do not hesitate to contact your Beijer Electronics Regional Sales Manager.

Sincerely,

Jeff Hayes
Product Management
Beijer Electronics, Inc.



Americas Headquarters

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Global Headquarters

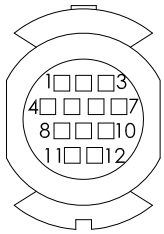
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N2178

1 March 2016

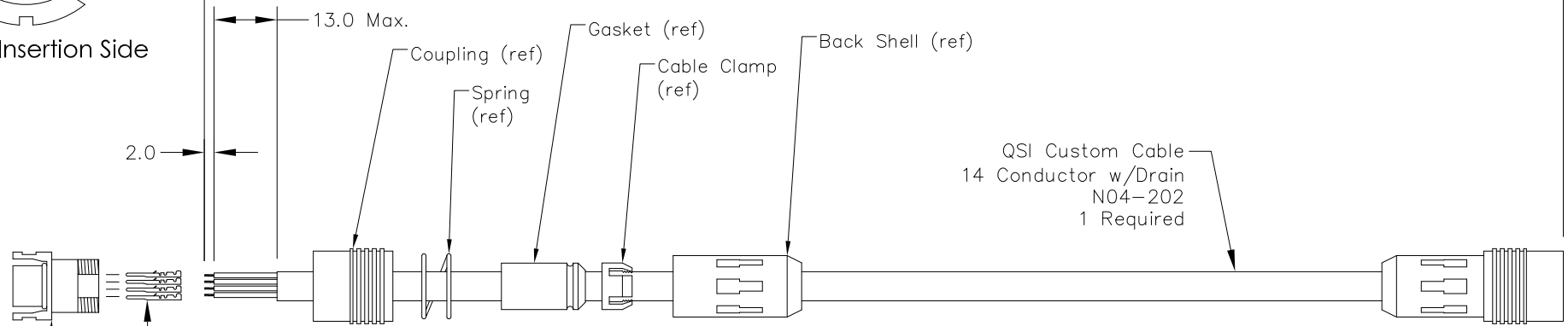
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Pin Insertion Side

Cable Test Length (m)	Finished Part Length (m)	Part no. Assignment
6	3	N04-394
20	10	N04-075



11 mm Hirose Crimp Pins
Hirose #HR30-PC-211
[QSI #N03-823]
24 Required

12 Pin Hirose
Circular Connector
Hirose #HR30-8P-12PC(71)
[QSI #N03-822]
2 Required

12 Pin Circular Hirose	Color Code	12 Pin Circular Hirose
1	Brown	1
2	Red/Blk	2
3	Orange	3
4	Yellow	4
5	Green/Blk	5
6	Blue	6
7	Black	7
8	White	8
9	Red	9
10	Green	10
11	Violet	11
12	Grey	12
---	White/Red	---
---	White/Green	---
---	Drain	---

Notes:

1. Strip jacket and wire ends as shown on BOTH ends of cable.
2. Crimp pins on wire ends & insert into housings as shown using wiring table for reference.
3. Test cable at 1000 VDC with 200 megohm min leakage resistance.
4. Cut cable in half to provide two cable assemblies.
5. All parts and processes to be in accordance with RoHS guidelines.

QSI Packaging Notes:

QSI to package for shipment as follows:
3 Meter to Blank N04-394 with thermal label N01-624, insert (part of this drawing) and place inside 6"x9" Ziplock bag N01-630; becomes QSI finished good N04-426.

10 Meter to Blank N04-075 with thermal label N01-624, insert (part of this drawing) and place inside 8"x10" Ziplock bag N01-631; becomes QSI finished good N02-949.

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This print is NOT to scale!

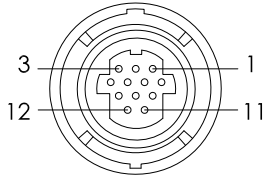
2	23 Jun 05	jb	Modified cable lengths.
Rev.	Date	By	Description
			Beijer Electronics Inc. 2212 South West Temple #50 Salt Lake City, Utah 84115-2648 • USA www.beijerelectronicsinc.com
Dimensions in Millimeters <150 mm (X = ±0.5, X.x = ±0.2) >150 mm (X = ±0.8, X.x = ±0.4) All angles ±0.5°			cable, 12p Circular Hirose to Blank Rev 2 jb 23 Jun 05 D02-451

Phone 801-466-8770
Fax 801-466-8792

N02-949

12-Pin Hirose to Blank / 10 Meter

The drawing below shows the pin numbering for the Hirose circular connector.
The table below shows pinout for unique terminal configurations with and without the E-Stop option. All signal directions are relative to the terminal.



12-Pin Circular to Blank / No E-Stop

12-pin Hirose	Wire Color	Single & Dual Serial	Serial & Ethernet	Serial & PoE
1	Brown	V+	V+	N.C.
2	Red/Black	Ground	Ground	Ground
3	Orange	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+
4	Yellow	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-
5	Green/Black	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.
6	Blue	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.
7	Black	S2 Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	S2 RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	S2 Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	S2 CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	N.F.	N.F.	PoE V+
12	Gray	N.F.	N.F.	PoE V-
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

12-Pin Circular to Blank / With E-Stop

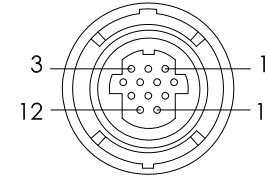
12-pin Hirose	Wire Color	Single Serial	Ethernet Only	PoE Only
1	Brown	V+	V+	N.F.
2	Red/Black	Ground	Ground	Ground
3	Orange	N.F.	N.F.	PoE V+
4	Yellow	N.F.	N.F.	PoE V-
5	Green/Black	S1 Estop	S1 Estop	S1 Estop
6	Blue	S1 Estop	S1 Estop	S1 Estop
7	Black	Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	S2 Estop	S2 Estop	S2 Estop
12	Gray	S2 Estop	S2 Estop	S2 Estop
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

S1=Serial port one S2=Serial port two N.C.=No connection N.F.=No function

N02-949

12-Pin Hirose to Blank / 10 Meter

The drawing below shows the pin numbering for the Hirose circular connector.
The table below shows pinout for unique terminal configurations with and without the E-Stop option. All signal directions are relative to the terminal.



12-Pin Circular to Blank / No E-Stop

12-pin Hirose	Wire Color	Single & Dual Serial	Serial & Ethernet	Serial & PoE
1	Brown	V+	V+	N.C.
2	Red/Black	Ground	Ground	Ground
3	Orange	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+
4	Yellow	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-
5	Green/Black	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.
6	Blue	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.
7	Black	S2 Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	S2 RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	S2 Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	S2 CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	N.F.	N.F.	PoE V+
12	Gray	N.F.	N.F.	PoE V-
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

12-Pin Circular to Blank / With E-Stop

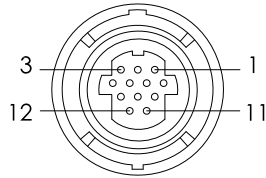
12-pin Hirose	Wire Color	Single Serial	Ethernet Only	PoE Only
1	Brown	V+	V+	N.F.
2	Red/Black	Ground	Ground	Ground
3	Orange	N.F.	N.F.	PoE V+
4	Yellow	N.F.	N.F.	PoE V-
5	Green/Black	S1 Estop	S1 Estop	S1 Estop
6	Blue	S1 Estop	S1 Estop	S1 Estop
7	Black	Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	S2 Estop	S2 Estop	S2 Estop
12	Gray	S2 Estop	S2 Estop	S2 Estop
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

S1=Serial port one S2=Serial port two N.C.=No connection N.F.=No function

N04-426

12-Pin Hirose to Blank / 3 Meter

The drawing below shows the pin numbering for the Hirose circular connector.
The table below shows pinout for unique terminal configurations with and without the E-Stop option. All signal directions are relative to the terminal.



12-Pin Circular to Blank / No E-Stop

12-pin Hirose	Wire Color	Single & Dual Serial	Serial & Ethernet	Serial & PoE
1	Brown	V+	V+	N.C.
2	Red/Black	Ground	Ground	Ground
3	Orange	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+
4	Yellow	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-
5	Green/Black	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.
6	Blue	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.
7	Black	S2 Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	S2 RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	S2 Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	S2 CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	N.F.	N.F.	PoE V+
12	Gray	N.F.	N.F.	PoE V-
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

12-Pin Circular to Blank / With E-Stop

12-pin Hirose	Wire Color	Single Serial	Ethernet Only	PoE Only
1	Brown	V+	V+	N.F.
2	Red/Black	Ground	Ground	Ground
3	Orange	N.F.	N.F.	PoE V+
4	Yellow	N.F.	N.F.	PoE V-
5	Green/Black	S1 Estop	S1 Estop	S1 Estop
6	Blue	S1 Estop	S1 Estop	S1 Estop
7	Black	Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	S2 Estop	S2 Estop	S2 Estop
12	Gray	S2 Estop	S2 Estop	S2 Estop
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

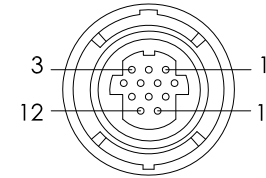
S1=Serial port one S2=Serial port two N.C.= No connection N.F.= No function

D02-4512

N04-426

12-Pin Hirose to Blank / 3 Meter

The drawing below shows the pin numbering for the Hirose circular connector.
The table below shows pinout for unique terminal configurations with and without the E-Stop option. All signal directions are relative to the terminal.



12-Pin Circular to Blank / No E-Stop

12-pin Hirose	Wire Color	Single & Dual Serial	Serial & Ethernet	Serial & PoE
1	Brown	V+	V+	N.C.
2	Red/Black	Ground	Ground	Ground
3	Orange	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+	S1 Tx/Tx+/RTx+
4	Yellow	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-	S1 RTS/Tx-/RTx-
5	Green/Black	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.	S1 Rx/Rx+/N.F.
6	Blue	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.	S1 CTS/Rx-/N.F.
7	Black	S2 Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	S2 RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	S2 Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	S2 CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	N.F.	N.F.	PoE V+
12	Gray	N.F.	N.F.	PoE V-
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

12-Pin Circular to Blank / With E-Stop

12-pin Hirose	Wire Color	Single Serial	Ethernet Only	PoE Only
1	Brown	V+	V+	N.F.
2	Red/Black	Ground	Ground	Ground
3	Orange	N.F.	N.F.	PoE V+
4	Yellow	N.F.	N.F.	PoE V-
5	Green/Black	S1 Estop	S1 Estop	S1 Estop
6	Blue	S1 Estop	S1 Estop	S1 Estop
7	Black	Tx/Tx+/RTx+	Eth Tx+	PoE Tx+
8	White	RTS/Tx-/RTx-	Eth Tx-	PoE Tx-
9	Red	Rx/Rx+/N.F.	Eth Rx+	PoE Rx+
10	Green	CTS/Rx-/N.F.	Eth Rx-	PoE Rx-
11	Violet	S2 Estop	S2 Estop	S2 Estop
12	Gray	S2 Estop	S2 Estop	S2 Estop
N.C.	White/Red	N.F.	N.F.	N.F.
N.C.	White/Green	N.F.	N.F.	N.F.
N.C.	Drain	N.F.	N.F.	N.F.

S1=Serial port one S2=Serial port two N.C.= No connection N.F.= No function

D02-4512