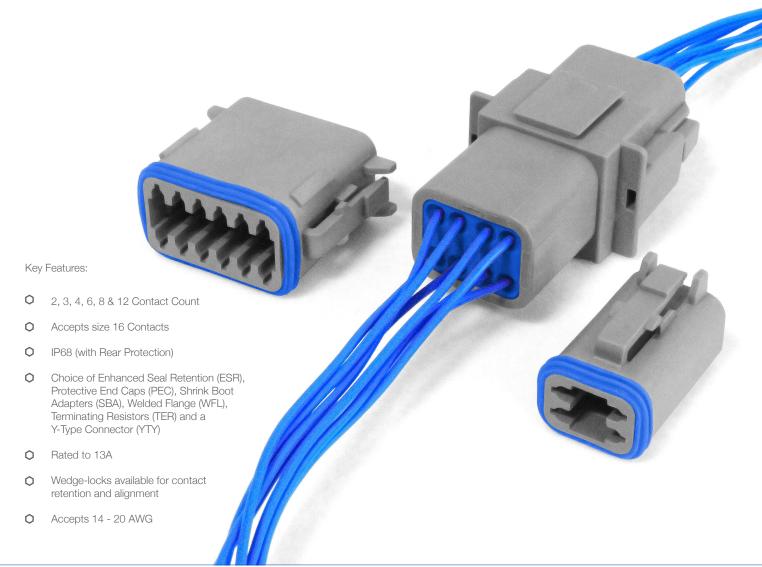
Rectangular Power Connectors



The Bulgin Rectangular Power Connector range offers a reliable, rugged solution for cable to cable applications in harsh environments with its environmentally sealed range of products.

The series has a male and female option, as well as modifications such as enhanced seal retention, protective end caps, shrink boot adapters, welded flange, terminating resistors and a Y-Type connector for the automotive industry.

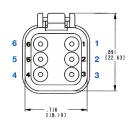




Standard Rectangular Connectors



- 2, 3, 4, 6, 8 & 12 Contacts
- Male housing
- Socket contacts
- Available in Grey and Black
- Additional options available



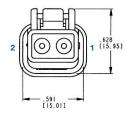
PXC)1	00

Part Number	Contacts	Key	Termination	Colour	Additional
PX0100S02BK	2	_	Crimp	Black	_
PX0100S02GY	2	-	Crimp	Grey	-
PX0100S03BK	3	-	Crimp	Black	-
PX0100S03GY	3	-	Crimp	Grey	-
PX0100S04BK	4	-	Crimp	Black	-
PX0100S04GY	4	-	Crimp	Grey	-
PX0100S06BK	6	-	Crimp	Black	-
PX0100S06GY	6	-	Crimp	Grey	-
PX0100S08AGY	8	Α	Crimp	Grey	-
PX0100S12AGY	12	Α	Crimp	Grey	-

Standard Rectangular Connectors Male - ESR



- 2 Contacts
- Male housing
- Enhanced seal retention
- Socket contacts
- Available in Black
- Additional options available



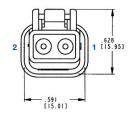
PX0102

Part Number	Contacts	Key	Termination	Colour	Additional
PX0102S02BK	2	-	Crimp	Black	ESR

Standard Rectangular Connectors Male - ESR & PEC



- O 2 Contacts
- Male housing
- Enhanced seal retention & protective end cap
- Socket contacts
- Available in Grey
- able



	ノ	Additional	options	avai	12
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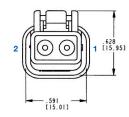
Termination Colour **Additional Part Number Contacts** Key ESR & PEC PX0103S02GY 2 Crimp Grey

Standard Rectangular Connectors Male - ESR & SBA

Part Number



- O 2 Contacts Male housing
- Enhanced seal retention & shrink boot adapter
 - Socket contacts
 - Available in Black
 - Additional options available



PX0104

Contacts

Key	Termination	Colour	Additiona

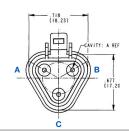
Crimp ESR & SBA PX0104S02BK 2 Black



Standard Rectangular Connectors Male - PEC



- O 2, 3, 4, 6, 8 & 12 Contacts
- Male housing
- Protective end cap
- Socket contacts
- Available in Grey and Black
- Additional options available



Part Number	Contacts	Key	Termination	Colour	Additional
PX0105S02BK	2	-	Crimp	Black	PEC
PX0105S02GY	2	-	Crimp	Grey	PEC
PX0105S03BK	3	-	Crimp	Black	PEC
PX0105S03GY	3	-	Crimp	Grey	PEC
PX0105S04BK	4	-	Crimp	Black	PEC
PX0105S04GY	4	-	Crimp	Grey	PEC
PX0105S06BK	6	-	Crimp	Black	PEC
PX0105S06GY	6	-	Crimp	Grey	PEC
PX0105S08ABK	8	Α	Crimp	Black	PEC
PX0105S08AGY	8	Α	Crimp	Grey	PEC
PX0105S12AGY	12	Α	Crimp	Grey	PEC
PX0105S12ABK	12	Α	Crimp	Black	PEC

Standard Rectangular Connectors

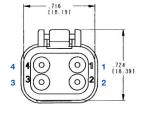
Male - SBA



PX0108

PX0105

- 2, 3 & 4 Contacts
- Male housing
- Shrink boot adapter
- Socket contacts
- Available in Grey
- Additional options available



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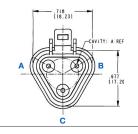
Part Number	Contacts	Key	Termination	Colour	Additional
PX0108S02GY	2	-	Crimp	Grey	SBA
PX0108S03GY	3	-	Crimp	Grey	SBA
PX0108S04GY	4	-	Crimp	Grey	SBA

Standard Rectangular Connectors Male - TER



PX0110

- O 3 Contacts
- Male housing
- Terminating resistor
- Socket contacts
- Available in Grey
- Additional options available



PXU

Part Number	Contacts	Key	Termination	Colour	Additional
PX0110S03GY	3	-	Crimp	Grey	TER

PX0101

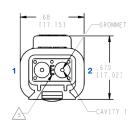


Standard Rectangular Connectors

Female



- O 2, 3, 4, 6, 8 & 12 Contacts
- Female Housing
- Plug contacts
- Available in Grey and Black
- Additional options available



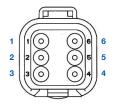
Part Number	Contacts	Key	Termination	Colour	Additional
PX0101P02BK	2	-	Crimp	Black	-
PX0101P02GY	2	-	Crimp	Grey	-
PX0101P03BK	3	-	Crimp	Black	-
PX0101P03GY	3	-	Crimp	Grey	-
PX0101P04BK	4	-	Crimp	Black	-
PX0101P04GY	4	-	Crimp	Grey	-
PX0101P06BK	6	-	Crimp	Black	-
PX0101P06GY	6	-	Crimp	Grey	-
PX0101P08ABK	8	Α	Crimp	Black	-
PX0101P08AGY	8	Α	Crimp	Grey	-
PX0101P12ABK	12	Α	Crimp	Black	-
PX0101P12AGY	12	Α	Crimp	Grey	-

Standard Rectangular Connectors

Female - PEC



- Q 2, 3, 4, 6, 8 & 12 Contacts
- Female Housing
- Protective end cap
- Plug contacts
- Available in Grey and Black
- Additional options available



Part Number	Contacts	Key	Termination	Colour	Additional
PX0106P02BK	2	-	Crimp Crimp	Black	PEC
PX0106P02GY	2	-	•	Grey	PEC
PX0106P03BK	3	-	Crimp	Black	PEC
PX0106P03GY	3	-	Crimp	Grey	PEC
PX0106P04BK	4	-	Crimp	Black	PEC
PX0106P04GY	4	-	Crimp	Grey	PEC
PX0106P06BK	6	-	Crimp	Black	PEC
PX0106P06GY	6	-	Crimp	Grey	PEC
PX0106P08ABK	8	Α	Crimp	Black	PEC
PX0106P08AGY	8	Α	Crimp	Grey	PEC
PX0106P12ABK	12	Α	Crimp	Black	PEC
PX0106P12AGY	12	Α	Crimp	Grey	PEC

Standard Rectangular Connectors

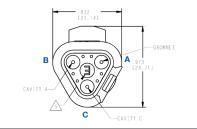
Female - PEC & SBA



PX0107

PX0106

- 3 Contacts
- Female Housing
- Protective end cap & shrink boot adapter
- Plug contacts
- Available in Grey
- Additional options available



Part Number	Contacts	Key	Termination	Colour	Additional
PX0107P03GY	3	-	Crimp	Grey	PEC & SBA



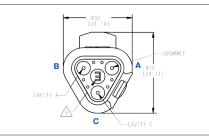
Standard Rectangular Connectors

Female - SBA



PX0109

- O 2, 3 & 4 Contacts
- Female Housing
- Shrink boot adapter
- Plug contacts
- Available in Grey and Black
- O Additional options available



Part Number	Contacts	Key	Termination	Colour	Additional
PX0109P02BK	2	-	Crimp	Black	SBA
PX0109P02GY	2	-	Crimp	Grey	SBA
PX0109P03BK	3	-	Crimp	Black	SBA
PX0109P04GY	4	-	Crimp	Grey	SBA

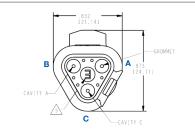
Standard Rectangular Connectors

Female - TER



PX0111

- O 3 Contacts
- O Female Housing
- Terminating resistor
- Plug contacts
- Available in Grey
- Additional options available



Part Number	Contacts	Key	Termination	Colour	Additional	
PX0111P03GY	3	-	Crimp	Grey	TER	

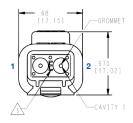
Standard Rectangular Connectors

Female - WFL



PX0112

- O 2, 3, 4, 8 & 12 Contacts
- Female Housing
- Welded flange
- Plug contacts
- O Available in Grey
- Additional options available



Part Number	Contacts	Key	Termination	Colour	Additional
PX0112P02GY	2	-	Crimp	Grey	WFL
PX0112P03GY	3	-	Crimp	Grey	WFL
PX0112P04GY	4	-	Crimp	Grey	WFL
PX0112P08AGY	8	Α	Crimp	Grey	WFL
PX0112P12AGY	12	Α	Crimp	Grey	WFL

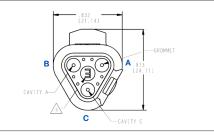
Standard Rectangular Connectors

Female - YTY



PX0113

- O 3 Contacts
- Female Housing
- Y-type connector
- Plug contacts
- Available in Grey
- Additional options available



Part Number	Contacts	Key	Termination	Colour	Additional	
PX0113P03GY	3	-	Crimp	Grey	YTY	



Contacts



- O Crimp Plug & Sockets
- O Choice of Gold and Nickel Plated
- Green Stripe available

4	10

Part Number	Plating	AWG	Туре	Plug / Socket	Additional
SA1000/G	Nickel Plating	14	Solid	Plug	Green Stripe
SA1001/G	Nickel Plating	14	Solid	Socket	Green Stripe
SA1002/G	Nickel Plating	16 - 20	Solid	Plug	Green Stripe
SA1003/G	Nickel Plating	16 - 20	Solid	Socket	Green Stripe
SA1000	Nickel Plating	14	Solid	Plug	- '
SA1001	Nickel Plating	14	Solid	Socket	-
SA1002	Nickel Plating	16 - 20	Solid	Plug	-
SA1003	Nickel Plating	16 - 20	Solid	Socket	_
SA1004	Nickel Plating	16 - 20	Stamped	Plug	Bandolier
SA1005	Nickel Plating	16 - 20	Stamped	Socket	Bandolier
SA1006	Nickel Plating	14 - 18	Stamped	Plug	Bandolier
SA1007	Nickel Plating	14 - 18	Stamped	Socket	Bandolier
SA1008	Gold Plating	14 - 18	Stamped	Plug	Bandolier
SA1009	Gold Plating	14 - 18	Stamped	Socket	Bandolier

Wedgelocks



- O Plug & Sockets available
- O 2, 3, 4, 6, 8 & 12 Contact

* Wedgelocks are sold separately and are required for confirmation of alignment of contact. Please refer to the chart above to determine part required: e.g. WLP02 is required for 2 Contact female housings

WLP12

Part Number	Contacts	Plug / Socket	Additional
WLP02	02	Plug	-
WLS02	02	Socket	-
WLS02ENS	02	Socket	Enhanced Seal
WLP03	03	Plug	-
WLS03	03	Socket	-
WLP04	04	Plug	-
WLS04	04	Socket	-
WLP06	06	Plug	-
WLS06	06	Socket	-
WLP08	08	Plug	-
WLS08	08	Socket	-
WLP12	12	Plug	-
WLS12	12	Socket	-

Tooling



- O Crimp tooling available
- Probe extraction tool

Part Number Additional

10000 Crimping tool for heavy duty Rectangular Connectors (series coming soon)
10001 Probe extraction tool
10002 Crimping tool for Rectangular Connectors



Electrical:

No Contacts: 2, 3, 4, 6, 8 & 12

Current Rating: 13A Voltage Rating: 250V DC

>1000MΩ (@ 500V DC) Insulation Resistance:

Dielectric Strength: <2mA @ 15V AC

Operating

Temperature Range: -25°C to +120°C

Mechanical:

Sealing: IP68 (with Rear Protection)

Contact Accommodation: 14 - 20 AWG 2.5-0.35 mm²

Termination: Crimp terminals

Contact Retention: Size 16: 111N (25 lbs)

Cycles: 100

Material

Body Mouldings: Polybutylene Terephthalate, Polyamide

Glass Fiber

Contacts: Copper Alloy Nickel Plated, Copper Alloy

Gold Plated

Rubber Seal: Silicone Rubber RoHS Compliant

Contact Layout (Rear View)

MALE















4 Contact

6 Contact

0000 0000 8 7 6 5

8 Contact

00000 00000 12 11 10 9 8 7 12 Contact

Contact Insertion Instructions

Step One:



Use a previously crimped contact and wire and hold just behind the contact barrel.

Step Two:



Line the contact up with the grommet.

Step Three:



Push the contact until a click is felt. Check the contact is in place by gently tugging and confirming alignment. Repeat for number of contacts desired

Step Four:



When contacts are in place, insert the appropriate wedgelock until a click is heard. Once male and female housings are prepared the parts can be mated

PX₀

XXX

X

XX

12

X

XX

Range

PX0

Body Type

100 = Male 101 = Female

102 = Male Enhanced Seal Retention 103 = Male Enhanced Seal Retention

& Protective End Cap 104 = Male Enhanced Seal Retention

& Shrink Boot Adapter 105 = Male Protective End Cap 106 = Female Protective End Cap

107 = Female Protective End Cap & Shrink Boot Adapter 108 = Male Shrink Boot Adapter 109 = Female Shrink Boot Adapter 110 = Male Terminating Resistor 111 = Terminating Resistor

112 = Female Welded Flange 113 = Female Y Type

Contact Type Contacts

S = Socket 02 P = Plug03 04 06 08

Key A = A Key

Colour GY = Grev BK = Black