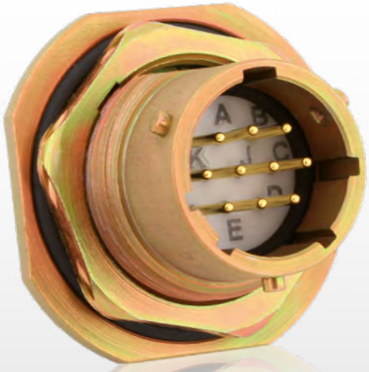
851 SERIES







MIL-DTL-26482 Connectors

SOURIAU
Connection Technologies





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851 SERIES

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Typical applications



Off-Road - Pavers



Robotics - Machine Tools



Telecom Military



Water Measurement



Aircraft



Oil & Gas Industries

Features & Benefits

QUALIFIED

MIL-DTL-26482H
Fully in accordance with the MIL spec requirements with solder type.

ROBUSTNESS

Machined shell
Equipped with a coupling ring machined from high strength aluminum. The plug provides a minimum of 500 mating unmating cycles. The receptacle is equipped with rugged stainless steel bayonet pins.

OUTDOOR USING

Salt Spray 500 Hours
Designed to withstand climate ingress and exposure to salt spray or corrosive atmospheres while still maintaining mechanical, electrical functionality and RoHS compliance.

QUICK MATING

1/3 Bayonet Coupling
With only 1/3 twist of the bayonet coupling system, connectors are mated with audible "click" and tactile feel to confirm proper mating. These mating features eliminate uncertainty connection and reduce time and labor during installation.

FLEXIBILITY

Customized solutions
Whether you need a different material (Stainless steel, Bronze), a specific backshell or an hermeticity, Souriau will offer the best solution for your application.

Receptacle range

Square flange receptacle type 00
Front view



Square flange receptacle with straight sealing gland backshell
00J



Page 26

Square flange receptacle with straight adaptor
00A/RA



Page 24

Square flange receptacle with straight sealing gland and cable clamp
00JC



Page 26

Square flange receptacle with straight cable clamp without grommet
00AC



Page 24

Square flange receptacle with removable straight backshell for heatshrink sleeving
00M/RM



Page 27

Cable in line receptacle type 01
Front view



Cable in line receptacle with straight sealing gland backshell
01J



Page 31

Cable in line receptacle with straight adaptor
01A/RA



Page 29

Cable in line receptacle with straight sealing gland and cable clamp
01JC



Page 31

Cable in line receptacle with straight cable clamp without grommet
01AC



Page 29

Cable in line receptacle with removable straight backshell for heatshrink sleeving
01M/RM



Page 32

Square flange receptacle type 02
Front view



Square flange receptacle not accepting backshell
02E/02R/02H



Pages 34, 47 & 49

Jam nut receptacle type 07
Front view



Jam nut receptacle with removable straight backshell for screen termination and heatshrink sleeving
07G/RG



Page 36

Jam nut receptacle not accepting backshell
07A/07H



Pages 34, 47 & 49

Jam nut receptacle with straight backshell for potting
07P/RP



Page 36

H: Hermetic version

overview

Square flange receptacle with backnut

00E/R



Page 25

Square flange receptacle with straight cable clamp

00EC/RC



Page 24

Square flange receptacle with removable straight backshell for screen termination and heatshrink sleeving

00G/RG



Page 25

Square flange receptacle with straight backshell for potting

00P/RP



Page 27

Square flange receptacle with straight backshell for heatshrink sleeving

00T/RT



Page 28

Square flange receptacle with removablebackshell and heatshrink sleeving

00T/RT..38/42



Page 28

Cable in line receptacle with backnut

01E/R



Page 30

Cable in line receptacle with straight cable clamp

01EC/RC



Page 29

Cable in line receptacle with removable straight backshell for screen termination and heatshrink sleeving

01G/RG



Page 30

Cable in line receptacle with straight backshell for potting

01P/RP



Page 32

Cable in line receptacle with straight backshell for heatshrink sleeving

01T/RT



Page 33

Cable in line receptacle with removable backshell and heatshrink sleeving

01T/RT..38/42



Page 33

Jam nut receptacle with straight cable clamp without grommet

07AC



Page 35

Jam nut receptacle with backnut

07E/R



Page 35

Jam nut receptacle with straight cable clamp

07EC/RC



Page 35

Jam nut receptacle with straight backshell for heatshrink sleeving

07T/RT



Page 37

Jam nut receptacle with removable backshell and heatshrink sleeving

07T/RT..38/42



Page 37

Solder fixing receptacle for hermetic version type IH

Front view



Solder fixing receptacle not accepting backshell

IH



Page 48

Plug range

Plug type 06

Front view



Plug with straight adaptor

06A/RA



Page 38

Plug with straight cable clamp without grommet

06AC



Page 38

Plug with straight sealing gland and cable clamp

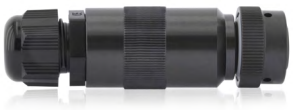
06JC



Page 40

Plug with Long Metallic Adaptor and Plastic Cable Gland

06L*



Page 40

Plug with removable straight backshell for heatshrink sleeving

06M/RM



Page 41

Plug with Short Metallic Adaptor and Plastic Cable Gland

06S*



Page 43

Plug with straight backshell for heatshrink sleeving

06T/RT



Page 43

Plug with straight for electrical pitch access

06Z/RZ



Page 44

Shielded plug with straight adaptor

36A/RA



Page 45

Shielded plug with removable straight backshell for screen termination and heatshrink sleeving

36G/RG



Page 46

Shielded plug with removable straight backshell for screen termination and heatshrink sleeving

36T/RT..38/42



Page 46

* Available only from size 8 to 16

overview

Plug with backnut
06E/R



Page 39

Plug with straight cable clamp
06EC/RC



Page 38

Plug with straight sealing gland backshell
06J



Page 39

Plug with short metallic adaptor and plastic cable gland with spiral protector
06NS*



Page 41

Plug with long metallic adaptor and plastic cable gland with spiral protector
06NL*



Page 42

Plug with straight backshell for potting
06P/RP



Page 42

Plug with elbow cable clamp backshell
08EC/RC



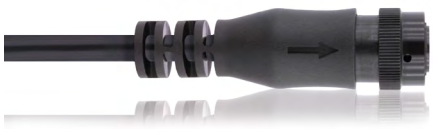
Page 44

Plug with elbow backshell for potting
08P/RP



Page 45

Plug overmolded



Consult us

Environmental connectors / Ordering information

Basic Series	851	00	E	8	3A	P	-	50	--

Shell type:

00	square flange receptacle accepting backshells
01	in line receptacle
02	square flange receptacle not accepting backshells
07	jam nut receptacle accepting backshells
06	plug for use with straight backshells
08	plug for use with 90° backshells
36	shielded plug for use with straight backshells

Backshell type:

Solder	Crimp	
A	**RA**	straight adaptor
EC	**RC**	straight cable clamp for solder contacts
EC	**RC**	90° cable clamp
AC		straight cable clamp without grommet
E	**R**	backnut
G	**RG**	straight removable backshell for screen termination and heatshrink sleeving
J		straight backshell with sealing gland
JC		straight backshell with sealing gland and cable clamp
L		long metallic adaptor and plastic cable gland - Shell size 08 to 16
M	**RM**	square flange receptacle not accepting backshells
NL		long metallic adaptor and plastic cable gland with spiral protector - Shell size 08 to 16
NS		short metallic adaptor and plastic cable gland with spiral protector - Shell size 08 to 16
P	**RP**	straight backshell for potting
P	**RP**	90° backshell for potting
S		short metallic adaptor and plastic cable gland - Shell size 08 to 16
T	**RT**	straight backshell for heatshrink sleeving
U	**RU**	short backshell for screen termination and heatshrink sleeving
Z	**RZ**	straight adaptor for electrical pich access

Shell size:
8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24

Contacts layout:
see pages 14 & 15

Contact type:

P	male
S	female

Orientation:
Normal (not included in part number). For others note: W, X, Y, Z - see table page 74

Obligatory suffix

B	crimp version without clip for layouts 8-2, 8-3, 8-4, & 12-14, gold plated all over the contact
50	Crimp type contact: Gold plated, all sizes Solder type contact: - Size 20, gold plated active area, tin plated termination area, except for layouts 8-2, 8-3, 8-4, & 12-14 gold plated all over the contact - Size 16 and mix layouts (size 20 &16), gold plated all over the contact.
51	solder type contact (only size 20, gold plated all over the contact)
54	Black Zinc Nickel plating (contacts as per suffix 50)
57	Black Zinc Nickel plating (contacts as per suffix 51)

Cadmium plating without specification

Specification (without specification: Olive Green Cadmium plating)

29	black anodized plating (solder type contacts)
031	black anodized plating (crimp type contacts)
44	Nickel plating
66	crimp version: delivered without backshell and conical ring solder version: delivered without backshell, conical ring and grommet

Hermetic connectors / Ordering information

Basic Series	851	02H	8	3A	P	-	50

Shell type:
- **02H** square flange receptacle not accepting backshells
- **07H** jam nut receptacle not accepting backshells
- **IH** solder fixing receptacle not accepting backshells

Shell size:
8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24

Contacts layout:
see pages 14 & 15

Contact type:
- **P** male

Orientation:
Normal (not included in part number). For others note: W, X, Y, Z - see table page 74

Obligatory suffix
- **50** Gold plating for contacts #20 & #16

Specification (without specification: 02H and 07H yellow Cadmium plating, IH Nickel plating)
- **44** 02H and 07H Nickel plating

PC Tail connectors / Ordering information

Basic Series	851	02E	8	3A	P	-	5016

Shell type:
- **02E** square flange receptacle not accepting backshells
- **07A** jam nut receptacle not accepting backshells

Shell size:
8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24

Contacts layout:
see pages 14 & 15

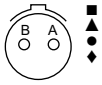
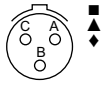
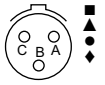
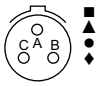
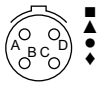
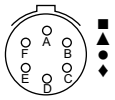
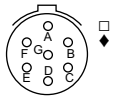
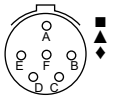
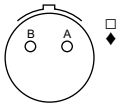
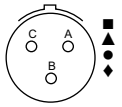
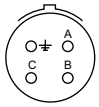
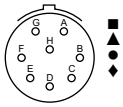
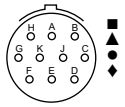
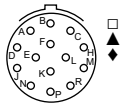
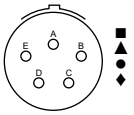
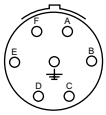
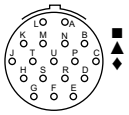
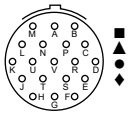
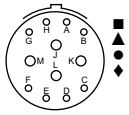
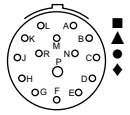
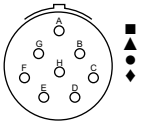
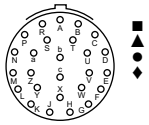
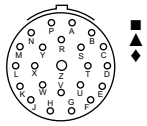
Contact type:
- **P** male **S** female

Orientation:
Normal (not included in part number). For others note: W, X, Y, Z - see table page 74

Specification
- **5016** olive drab Cadmium plating, shouldered PC tail type contact*
- **5116** olive drab Cadmium plating, shouldered PC tail type contact (only size 20, gold plated all over the contact)
- **5416** Black Zinc Nickel plating*
- **5716** Black Zinc Nickel plating (only size 20, gold plated all over the contact)
- **5045** Nickel plating, shouldered PC tail type contact*
- **5145** Nickel plating, shouldered PC tail type contact (only size 20, gold plated all over the contact)
- **50F9** black anodized plating, shouldered PC tail type contact*
- **51F9** black anodized plating, shouldered PC tail type contact (only size 20, gold plated all over the contact)
- **50A7** olive drab Cadmium plating, not shouldered PC tail type contact (gold plated all over the contact)
- **50G9** Nickel plating, not shouldered PC tail type contact (gold plated all over the contact)

*- Size 20, gold plated active area, tin plated termination area, except for layouts 8-2, 8-3, 8-4, & 12-14 gold plated all over the contact
- Size 16, gold plated all over the contact, same for mix layouts (size 20 &16)

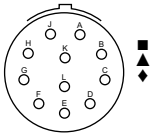
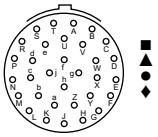
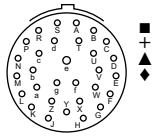
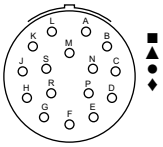
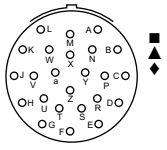
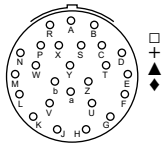
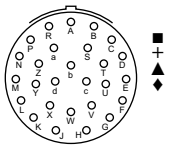
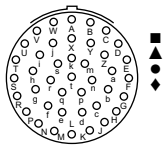
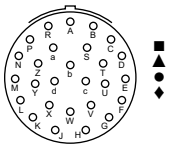
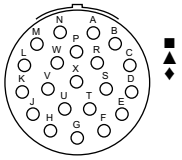
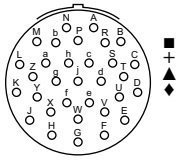
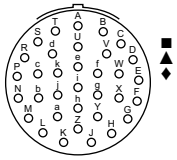
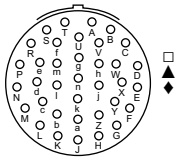
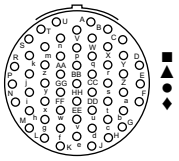
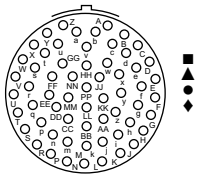
Layouts

Shell size	Contact #16 (Ø 1.6 mm)	Contact #20 (Ø 1.0 mm)	Mixed power
8		8-2 2 contacts 2xØ1.0 (#20)  8-3 3 contacts 3xØ1.0 (#20)  8-3A/8-98 3 contacts 3xØ1.0 (#20)  8-33 3 contacts 3xØ1.0 (#20)  8-4 4 contacts 4xØ1.0 (#20) 	
10		10-6 6 contacts 6xØ1.0 (#20)  10-7 7 contacts 7xØ1.0 (#20)  10-98 6 contacts 6xØ1.0 (#20) 	
12	12-2 2 contacts 2xØ1.6 (#16)  12-3 3 contacts 3xØ1.6 (#16)  12-4 3 contacts +ground 4xØ1.6 (#16) 	12-8 8 contacts 8xØ1.0 (#20)  12-10 10 contacts 10xØ1.0 (#20)  12-14 14 contacts 14xØ1.0 (#20) 	
14	14-5 5 contacts 5xØ1.6 (#16)  14-7 6 contacts +ground 7xØ1.6 (#16) 	14-18 18 contacts 18xØ1.0 (#20)  14-19 19 contacts 19xØ1.0 (#20) 	14-12 12 contacts 8xØ1.0 (#20) 4xØ1.6 (#16)  14-15 15 contacts 14xØ1.0 (#20) 1xØ1.6 (#16) 
16	16-8 8 contacts 8xØ1.6 (#16) 	16-26 26 contacts 26xØ1.0 (#20) 	16-23 23 contacts 22xØ1.0 (#20) 1xØ1.6 (#16) 

■ Solder contact layouts (QPL)
□ Solder contact layouts
+ Solder contact layouts without grommet
▲ Crimp contact layouts
● Hermetic version contact layouts
♦ PC tail contact layouts

Other layouts, please consult us

Layouts

Shell size	Contact #16 (Ø 1.6 mm)	Contact #20 (Ø 1.0 mm)	Mixed power
18	18-11 11 contacts 11xØ1.6 (#16) 	18-32 32 contacts 32xØ1.0 (#20) 	18-30 30 contacts 29xØ1.0 (#20) 1xØ1.6 (#16) 
20	20-16 16 contacts 16xØ1.6 (#16) 	20-24 24 contacts 24xØ1.0 (#20)  20-25 25 contacts 25xØ1.0 (#20)  20-27 27 contacts 27xØ1.0 (#20)  20-41 41 contacts 41xØ1.0 (#20) 	20-39 39 contacts 37xØ1.0 (#20) 2xØ1.6 (#16) 
22	22-21 21 contacts 21xØ1.6 (#16) 	22-32 32 contacts 32xØ1.0 (#20)  22-34 34 contacts 34xØ1.0 (#20)  22-36 36 contacts 36xØ1.0 (#20)  22-55 55 contacts 55xØ1.0 (#20) 	
24		24-61 61 contacts 61xØ1.0 (#20) 	

Suffix description

Solder or crimp contacts

Suffix	Description	Shell plating	Contact type	Active area contact plating	Termination area contact plating	RoHS	Salt spray
50	Cadmium version	Cadmium	Solder or Crimp	Crimp: Gold Solder: - # 20: Gold - # 16 & Mixed layouts: Gold	Crimp: Gold Solder: - # 20: Tin (1) - # 16 & Mixed layout: Gold	No	48 h
51	Cadmium version with full gold contacts (only for # 20 contacts)	Cadmium	Solder	# 20 only: Gold	# 20 only: Gold	No	48 h
54	Black Zinc Nickel version	Black Zinc Nickel	Solder or Crimp	Crimp: Gold Solder: - # 20: Gold - # 16 & Mixed layouts: Gold	Crimp: Gold Solder: - # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	500 h
57	Black Zinc Nickel version with full gold contacts (only for # 20 contacts)	Black Zinc Nickel	Solder or Crimp	Crimp: Gold Solder: Gold	Crimp: Gold Solder: Gold	Yes	500 h
5044	Nickel version	Nickel	Solder or Crimp	Crimp: Gold Solder: - # 20: Gold - # 16 & Mixed layouts: Gold	Crimp: Gold Solder: - # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	48 h
5029	Black Anodized version for solder contacts (Non conductive shell)	Black Anodized	Solder or Crimp	- Size 20: Gold - Size 16 & Mixed layouts: Gold	- # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	48 h
5031	Black Anodized version for crimp contacts (Non conductive shell)	Black Anodized	Solder	# 20 only: Gold	# 20 only: Gold	Yes	48 h
5066	Cadmium without accessories Crimp: Without Backshell and conical ring Solder versions: Without Backshell, Conical ring and grommet	Cadmium	Solder or Crimp	Crimp: Gold Solder: - # 20: Gold - # 16 & Mixed layouts: Gold	Crimp: Gold Solder: - # 20: Tin (1) - # 16 & Mixed layout: Gold	No	48 h
5466	Balck Zinc Nickel without accessories Crimp: Without Backshell and conical ring Solder versions: Without Backshell, Conical ring and grommet	Black Zinc Nickel	Solder or Crimp	Crimp: Gold Solder: - # 20: Gold - # 16 & Mixed layouts: Gold	Crimp: Gold Solder: - # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	500 h
5766	Balck Zinc Nickel with full gold contacts (only for # 20 contacts) and without accessories Crimp: Without Backshell and conical ring Solder versions: Without Backshell, Conical ring and grommet	Black Zinc Nickel	Solder or Crimp	# 20 only: Gold	# 20 only: Gold	Yes	500 h

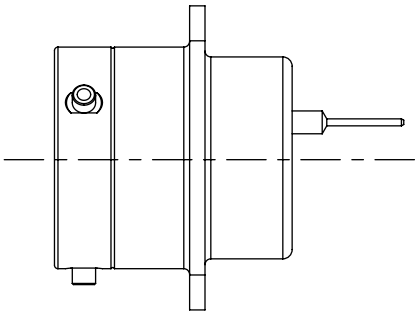
(1): Exception: Gold on layouts 8-2, 8-3, 8-4 & 12-4

Suffix description

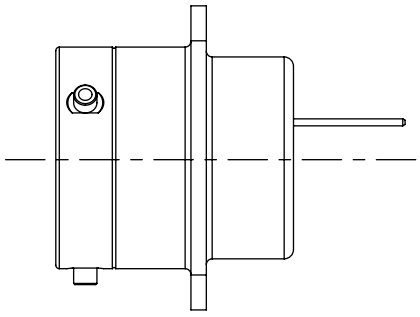
PC tail contacts

Suffix	Description	Shell plating	Contact type	Active area contact plating	Termination area contact plating	RoHS	Salt spray
5016	Cadmium version	Cadmium	Shouldered PC tail	- # 20: Gold - # 16 & Mixed layouts: Gold	- # 20: Tin (1) - # 16 & Mixed layout: Gold	No	48 h
5116	Cadmium version with full gold contacts (only for # 20 contacts)	Cadmium	Shouldered PC tail	Gold	Gold	No	48 h
5416	Black Zinc Nickel version	Black Zinc Nickel	Shouldered PC tail	- # 20: Gold - # 16 & Mixed layouts: Gold	- # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	500 h
5716	Black Zinc Nickel version with full gold contacts (only for # 20 contacts)	Black Zinc Nickel	Shouldered PC tail	Gold	Gold	Yes	500 h
5045	Nickel version	Nickel	Shouldered PC tail	- # 20: Gold - # 16 & Mixed layouts: Gold	- # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	48 h
5145	Nickel version with full gold contacts (only for # 20 contacts)	Nickel	Shouldered PC tail	Gold	Gold	Yes	48 h
50F9	Black Anodized version (Non conductive shell)	Black Anodized	Shouldered PC tail	- # 20: Gold - # 16 & Mixed layouts: Gold	- # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	48 h
51F9	Black Anodized version with full gold contacts (only for # 20 contacts) (Non conductive shell)	Black Anodized	Shouldered PC tail	Gold	Gold	Yes	48 h
50A7	Cadmium version Not shouldered PC tail	Cadmium	Not shouldered PC tail	- # 20: Gold - # 16 & Mixed layouts: Gold	- # 20: Tin (1) - # 16 & Mixed layout: Gold	No	48 h
50G9	Nickel version Not shouldered PC tail	Nickel	Not shouldered PC tail	- # 20: Gold - # 16 & Mixed layouts: Gold	- # 20: Tin (1) - # 16 & Mixed layout: Gold	Yes except for contacts with tin	48 h

Shouldered PC tail contacts



Not shouldered PC tail contacts



(1): Exception: Gold on layouts 8-2, 8-3, 8-4 & 12-4

Cross reference list

851 version with crimp contacts (Olive Green Cadmium plating)

Connector with backshells

SOURIAU	NCF 93422 (modèle HE 301B)	MIL-DTL-26482G série 1	VG 95328
851 00 R .. .. .. 50 ..	HE 301 B 00 R 1A	* MS 3120 E	VG 95328 A .. .. ..
851 00 RC .. .. .. 50 ..	HE 301 B 00 RC 1A	* MS 3120 F	VG 95328 B .. .. ..
851 00 RP .. .. .. 50 ..	HE 301 B 00 RP 1A	* MS 3120 P	
851 00 RG .. .. .. 50 ..	-	-	VG 95328 R .. .. ..
851 00 RA .. .. .. 50 ..	HE 301 B 00 RA 1A	-	-
851 01 R .. .. .. 50 ..	HE 301 B 01 R 1A	* MS 3121 E	-
851 01 RC .. .. .. 50 ..	HE 301 B 01 RC 1A	* MS 3121 F	-
851 01 RP .. .. .. 50 ..	HE 301 B 01 RP 1A	* MS 3121 P	-
851 01 RA .. .. .. 50 ..	HE 301 B 01 RA 1A	-	-
851 02 R .. .. .. 50 ..	HE 301 B 02 R 1A	* MS 3122 E	VG 95328 C .. .. ..
851 06 R .. .. .. 50 ..	HE 301 B 06 R 1A	* MS 3126 E	-
851 06 RC .. .. .. 50 ..	HE 301 B 06 RC 1A	* MS 3126 F	VG 95328 K .. .. ..
851 06 RP .. .. .. 50 ..	HE 301 B 06 RP 1A	* MS 3126 P	-
851 06 RT .. .. .. 50 ..	-	-	VG 95328 J .. .. ..
851 06 RA .. .. .. 50 ..	HE 301 B 06 RA 1A	-	-
851 36 RG .. .. .. 50 ..	-	-	VG 95328 M .. .. ..
851 36 RA .. .. .. 50 ..	-	-	-
851 07 R .. .. .. 50 ..	HE 301 B 07 R 1A	* MS 3124 E	VG 95328 D .. .. ..
851 07 RC .. .. .. 50 ..	HE 301 B 07 RC 1A	* MS 3124 F	VG 95328 E .. .. ..
851 07 RP .. .. .. 50 ..	HE 301 B 07 RP 1A	* MS 3124 P	-
851 07 RT .. .. .. 50 ..	-	-	VG 95328 S .. .. ..
851 07 RG .. .. .. 50 ..	-	-	VG 95328 T .. .. ..
851 08 RC .. .. .. 50 ..	HE 301 B 08 RC 1A	-	-

* Not QPL

851 version with crimp contacts (other plating)

Plating	SOURIAU		NFC 93422 (modèle HE 301B)
	Solder version	Crimp version	
Black Anodised	851 5029	851 50031	HE 301B 4A
Nickel	851 5044	851 5044	HE 301B 5A

Cross reference list

851 version with solder contacts (Olive Green Cadmium plating)

Connector with backshells

SOURIAU	NCF 93422 (modèle HE 301B)	MIL-DTL-26482G série 1	VG 95328
851 00 E .. .. .. 50 ..	HE 301 B 00 E 1A	MS 3110 E	-
851 00 EC .. .. .. 50 ..	HE 301 B 00 EC 1A	MS 3110 F	-
851 00 AC .. .. .. 50 ..	HE 301 B 00 AC 1A	-	-
851 00 P .. .. .. 50 ..	HE 301 B 00 P 1A	MS 3110 P	-
851 00 A .. .. .. 50 ..	HE 301 B 00 A 1A	-	-
851 00 J .. .. .. 50 ..	HE 301 B 00 J 1A	-	-
851 00 JC .. .. .. 50 ..	-	MS 3110 J	-
851 01 E .. .. .. 50 ..	HE 301 B 01 E 1A	MS 3111 E	-
851 01 EC .. .. .. 50 ..	HE 301 B 01 EC 1A	MS 3111 F	-
851 01 AC .. .. .. 50 ..	HE 301 B 01 AC 1A	-	-
851 01 P .. .. .. 50 ..	HE 301 B 01 P 1A	MS 3111 P	-
851 01 A .. .. .. 50 ..	HE 301 B 01 A 1A	-	-
851 01 J .. .. .. 50 ..	HE 301 B 01 J 1A	-	-
851 01 JC .. .. .. 50 ..	-	MS 3111 J	-
851 02 E .. .. .. 50 ..	HE 301 B 02 E 1A	MS 3112 E	VG 95328 H .. .. ..
851 06 E .. .. .. 50 ..	HE 301 B 06 E 1A	MS 3116 E	-
851 06 EC .. .. .. 50 ..	HE 301 B 06 EC 1A	MS 3116 F	-
851 06 AC .. .. .. 50 ..	HE 301 B 06 AC 1A	-	-
851 06 P .. .. .. 50 ..	HE 301 B 06 P 1A	MS 3116 P	-
851 06 A .. .. .. 50 ..	HE 301 B 06 A 1A	-	-
851 06 J .. .. .. 50 ..	HE 301 B 06 J 1A	-	-
851 06 JC .. .. .. 50 ..	-	MS 3116 J	-
851 08 EC .. .. .. 50 ..	HE 301 B 08 EC 1A	-	-
851 08 P .. .. .. 50 ..	HE 301 B 08 P 1A	-	-
851 07 E .. .. .. 50 ..	HE 301 B 07 E 1A	MS 3114 E	-
851 07 EC .. .. .. 50 ..	HE 301 B 07 EC 1A	MS 3114 F	-
851 07 AC .. .. .. 50 ..	HE 301 B 07 AC 1A	-	-
851 07 P .. .. .. 50 ..	HE 301 B 07 P 1A	MS 3114 P	-

851 Hermetic version

SOURIAU	NFC 93422 (modèle HE 301B)	MIL-DTL-26482G série 1	VG 95328
851 02 H P.50	HE 301 B 02 H P.3A		
851 07 H P.50	HE 301 B 07 H P.3A	* MS 3114 H .. .. P.	VG 95328 F .. .. ..
851 I H P.50	HE 301 B 1 H P.3A	* MS 3113 H .. .. P.	VG 95328 G .. .. .

* Not QPL

Environmental versions



Technical features

Materials

- **Shell:**
  Environmental version: aluminium alloy
  - Plating:
    - Olive Green Cadmium
    - Black Anodised
    - Black Zinc Nickel
    - Nickel
- **Backshells**: Aluminum alloy
- **Cable glands**: Thermoplastic
- **Coupling ring**: Aluminum alloy
- **Spring washer**: Spring stainless steel
- **Insert**: Elastomeric soft neoprene
- **RoHS compliant & conforms to the Chinese standard SJ/T1166-2006 (Chinese RoHS equivalent)**

Electrical

- **Dielectric withstanding voltage**:
  - At standard pressure: mated and unmated connectors
    - 1500 Vrms between size 20 contacts (service 1)
    - 2300 Vrms between size 16 contacts (service 2)
    - 1500 Vrms between mixed size 20 and 16 contacts (service 1)
  - At reduced pressure 10 mbar: connectors mated and unmated
    - 200 Vrms between size 20 contacts (service 1)
    - 300 Vrms between size 16 contacts (service 2)
- **Insulation resistance**
  ≥ 5000 MΩ under 500 Vcc
- **Current rating per contact**
  - Standard version:
    Size 20 = 7.5 A / Size 16 = 13 A
  - Hermetic version:
    Size 20 = 5 A / Size 16 = 10 A
- **Contact resistance**
  - Environmental version:
    Size 20 ≤ 4 mΩ / Size 16 ≤ 3 mΩ
  - Hermetic version:
    Size 20 ≤ 30 mΩ / Size 16 ≤ 14 mΩ
- **Shielding effectiveness:**
  70 dB to 5 MHz - 40 dB to 100 MHz

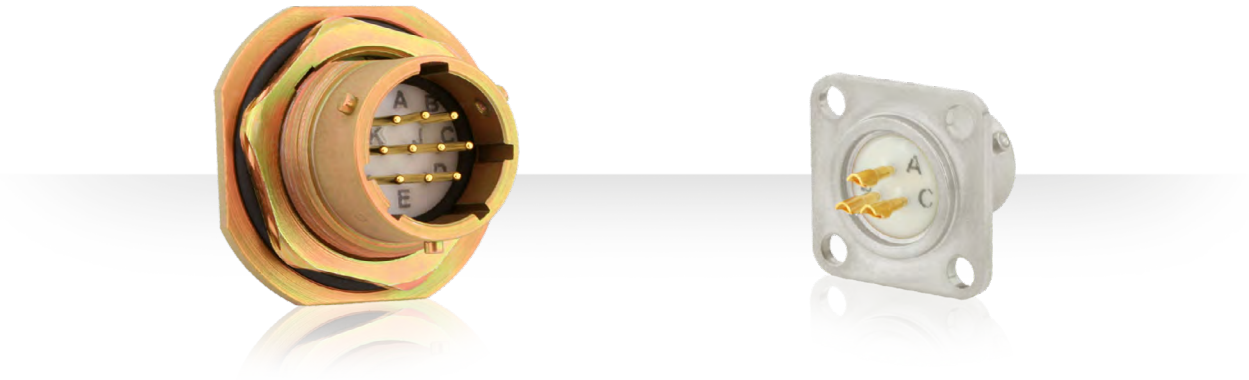
Environmental

- **Operating temperature:**
  from -55°C to +125°C
- **Flammability rating:**
  UL94 HB
- **Dynamic salt spray:**
  per EIA-364-26
  - 48 h Cadmium, Nickel, Zinc Cobalt
  - 500 h Black anodized
  - 500 h Black Zinc Nickel
- **Sealing:**
  - Globally IP65 (unmated conditions)
  - With J or JC backshell IP67 (mated conditions)
  - With cable gland IP68 (mated conditions)
    Under 10 meter of water during 48 hours
  - Crimp contact version, 1 bar differential pressure, leakage ≤ 8 cm^3/hr
  - Solder contact version, 2 bar differential pressure, leakage ≤ 16 cm^3/hr
- **Fluid resistance:**
  - to MIL-DTL-26482G series 1 and NFC 93422 - HE 301 B code A
  - Hydraulic fluids
  - Lubricating oil

Mechanical

- **Durability:**
  500 matings and unmatings per MIL-DTL-26482H
- **Mechanical shock:**
  50 g, 11 ms period per EIA-364-27

Hermetic versions



Technical features

Materials

- **Shell:**
  Steel
- **Plating:**
  Iridescent yellow Cadmium
  Nickel
- **Contact:**
  Gold plated ferrous alloy
- **Seal:**
  Fluorocarbon elastomer

Electrical

- **Max current rating per contact:**

Contact size	20	16
Rating (A)	5	10

- **Dielectric withstanding voltage:**

Service	Standard pressure	10 mbar pressure
I	1 500 Vrms	200 Vrms
II	2 300 Vrms	300 Vrms

- **Contact resistance:**
  Size 20 ≤ 30 mΩ
  Size 16 ≤ 14 mΩ
- **Shielding:**
  70 dB to 5 MHz
  40 dB to 100 MHz

Environmental

- **Operating temperature:**
  -55°C to +125°C
- **Hermeticity:**
  1 bar differential pressure,
  leakage ≤ 2.8 mm^3/hr
- **Salt spray:**
  48 hours min
- **Chemical resistance:**
  To MIL-DTL-26482G Series I
- **Damp heat:** 21 days

851 SERIES

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Connector

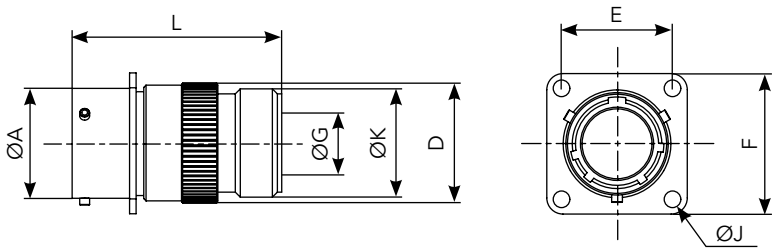
- Environmental connectors 24
- Hermetic connectors 47
- PC Tail connectors 49
- Panel cut out 50
- Push-pull locking plug 51
- 8F51 filter connectors 53

Environmental connectors

Square flange receptacle with straight adaptor

Cross reference

00 A	HE 301 B 00 A
00 RA	HE 301 B 00 RA

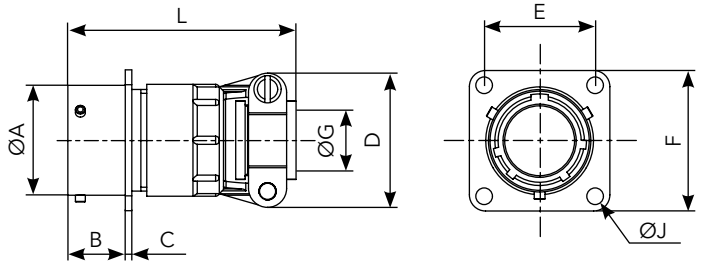


Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max	J	K threading UNEF 2A
	solder contacts	crimp contacts	solder	crimp									
8	851 00 A 8.. P S . 50..	851 00 RA 8.. P S . 50 ..	41.00		12.03	11.70	1.32	14.50	15.09	20.99	9.10	3.13	1/2 18
10	851 00 A 10.. P S . 50..	851 00 RA 10.. P S . 50..	41.00		15.01	11.70	1.32	18.70	18.26	24.19	12.08	3.13	5/8 24
12	851 00 A 12.. P S . 50..	851 00 RA 12.. P S . 50..	41.00		19.07	11.70	1.32	21.70	20.62	26.54	15.25	3.13	3/4 20
14	851 00 A 14.. P S . 50..	851 00 RA 14.. P S . 50..	41.00		22.25	11.70	1.32	25.10	23.00	28.89	18.15	3.13	7/8 20
16	851 00 A 16.. P S . 50..	851 00 RA 16.. P S . 50..	41.00		25.42	11.70	1.32	28.13	24.61	31.29	21.32	3.13	1-20
18	851 00 A 18.. P S . 50..	851 00 RA 18.. P S . 50..	41.00		28.60	11.70	1.32	31.38	26.97	33.69	24.32	3.13	1-3/16 18
20	851 00 A 20.. P S . 50..	851 00 RA 20.. P S . 50..	44.00		31.77	14.35	2.15	34.30	29.36	36.89	26.73	3.13	1-3/16 18
22	851 00 A 22.. P S . 50..	851 00 RA 22.. P S . 50..	44.00		34.95	14.35	2.15	37.60	31.75	39.99	30.67	3.13	1-7/16 18
24	851 00 A 24.. P S . 50..	851 00 RA 24.. P S . 50..	44.00		38.12	15.20	2.15	40.70	34.92	43.15	33.08	3.81	1-7/16 18

Square flange receptacle with straight cable clamp

Cross reference

00 EC	HE 301 B 00 EC
	MS 3110 F
00 AC	HE 301 B 00 AC
00 RC	HE 301 B 00 RC
	MS 3120 F
	VG 95328 B



Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	J
	solder contacts	crimp contacts	solder	crimp							
8	851 00 EC AC 8.. P S . 50..	851 00 RC 8.. P S . 50 ..	48.00	47.30	12.03	11.70	1.32	13.50	15.09	20.99	3.13
10	851 00 EC AC 10.. P S . 50..	851 00 RC 10.. P S . 50..	48.00	47.30	15.01	11.70	1.32	16.70	18.26	24.19	3.13
12	851 00 EC AC 12.. P S . 50..	851 00 RC 12.. P S . 50..	48.00	47.30	19.07	11.70	1.32	19.90	20.62	26.54	3.13
14	851 00 EC AC 14.. P S . 50..	851 00 RC 14.. P S . 50..	48.00	47.30	22.25	11.70	1.32	23.40	23.00	28.89	3.13
16	851 00 EC AC 16.. P S . 50..	851 00 RC 16.. P S . 50..	51.00	50.50	25.42	11.70	1.32	26.60	24.61	31.29	3.13
18	851 00 EC AC 18.. P S . 50..	851 00 RC 18.. P S . 50..	51.00	50.50	28.60	11.70	1.32	29.50	26.97	33.69	3.13
20	851 00 EC AC 20.. P S . 50..	851 00 RC 20.. P S . 50..	53.00	51.50	31.77	14.35	2.15	32.70	29.36	36.89	3.13
22	851 00 EC AC 22.. P S . 50..	851 00 RC 22.. P S . 50..	53.00	51.50	34.95	14.35	2.15	36.00	31.75	39.99	3.13
24	851 00 EC AC 24.. P S . 50..	851 00 RC 24.. P S . 50..	53.00	51.50	38.12	15.20	2.15	39.10	34.92	43.15	3.81

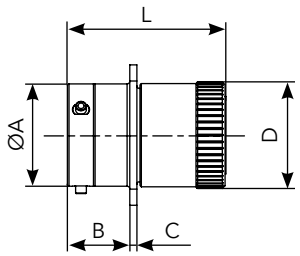
Note: all dimensions are in mm

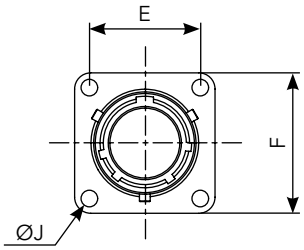
Environmental connectors

Square flange receptacle with backnut

Cross reference

00 E	HE 301 B 00 E
	MS 3110 E
00 R	HE 301 B 00 R
	MS 3120 E
	VG 95328 A



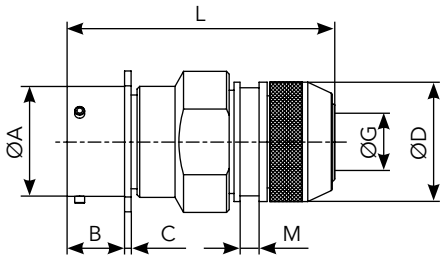


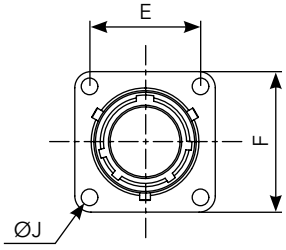
Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	J
	solder contacts	crimp contacts	solder	crimp							
8	851 00 E 8.. ᴾ/ₛ . 50..	851 00 R 8.. ᴾ/ₛ . 50..	32.70	32.00	12.03	11.70	1.32	13.50	15.09	20.99	3.13
10	851 00 E 10.. ᴾ/ₛ . 50..	851 00 R 10.. ᴾ/ₛ . 50..	32.70	32.00	15.01	11.70	1.32	16.70	18.26	24.19	3.13
12	851 00 E 12.. ᴾ/ₛ . 50..	851 00 R 12.. ᴾ/ₛ . 50..	32.70	32.00	19.07	11.70	1.32	19.90	20.62	26.54	3.13
14	851 00 E 14.. ᴾ/ₛ . 50..	851 00 R 14.. ᴾ/ₛ . 50..	32.70	32.00	22.25	11.70	1.32	23.40	23.00	28.89	3.13
16	851 00 E 16.. ᴾ/ₛ . 50..	851 00 R 16.. ᴾ/ₛ . 50..	32.70	32.00	25.42	11.70	1.32	26.60	24.61	31.29	3.13
18	851 00 E 18.. ᴾ/ₛ . 50..	851 00 R 18.. ᴾ/ₛ . 50..	32.70	32.00	28.60	11.70	1.32	29.50	26.97	33.69	3.13
20	851 00 E 20.. ᴾ/ₛ . 50..	851 00 R 20.. ᴾ/ₛ . 50..	34.50	33.40	31.77	14.35	2.15	32.70	29.36	36.89	3.13
22	851 00 E 22.. ᴾ/ₛ . 50..	851 00 R 22.. ᴾ/ₛ . 50..	34.50	33.40	34.95	14.35	2.15	36.00	31.75	39.99	3.13
24	851 00 E 24.. ᴾ/ₛ . 50..	851 00 R 24.. ᴾ/ₛ . 50..	34.50	33.40	38.12	15.20	2.15	39.10	34.92	43.15	3.81

Square flange receptacle with removable straight backshell for screen termination and heatshrink sleeving

Cross reference

00 G	
00 RG	VG 95328 R





Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max	J	M max
	solder contacts	crimp contacts	solder	crimp									
8	851 00 G 8.. ᴾ/ₛ .50..	851 00 RG 8.. ᴾ/ₛ .50 ..	54.00		12.03	11.70	1.32	16.30	15.09	20.99	7.45	3.13	3.60
10	851 00 G 10.. ᴾ/ₛ .50..	851 00 RG 10.. ᴾ/ₛ .50..	54.00		15.01	11.70	1.32	18.30	18.26	24.19	10.30	3.13	3.60
12	851 00 G 12.. ᴾ/ₛ .50..	851 00 RG 12.. ᴾ/ₛ .50..	54.00		19.07	11.70	1.32	22.30	20.62	26.54	13.20	3.13	3.60
14	851 00 G 14.. ᴾ/ₛ .50..	851 00 RG 14.. ᴾ/ₛ .50..	54.00		22.25	11.70	1.32	25.30	23.00	28.89	16.50	3.13	3.60
16	851 00 G 16.. ᴾ/ₛ .50..	851 00 RG 16.. ᴾ/ₛ .50..	54.00		25.42	11.70	1.32	28.30	24.61	31.29	19.35	3.13	3.60
18	851 00 G 18.. ᴾ/ₛ .50..	851 00 RG 18.. ᴾ/ₛ .50..	54.00		28.60	11.70	1.32	32.30	26.97	33.69	21.60	3.13	3.60
20	851 00 G 20.. ᴾ/ₛ .50..	851 00 RG 20.. ᴾ/ₛ .50..	59.30		31.77	14.35	2.15	34.30	29.36	36.89	24.80	3.13	3.60
22	851 00 G 22.. ᴾ/ₛ .50..	851 00 RG 22.. ᴾ/ₛ .50..	59.30		34.95	14.35	2.15	38.30	31.75	39.99	27.90	3.13	3.60
24	851 00 G 24.. ᴾ/ₛ .50..	851 00 RG 24.. ᴾ/ₛ .50..	59.30		38.12	15.20	2.15	41.30	34.92	43.15	31.00	3.81	3.60

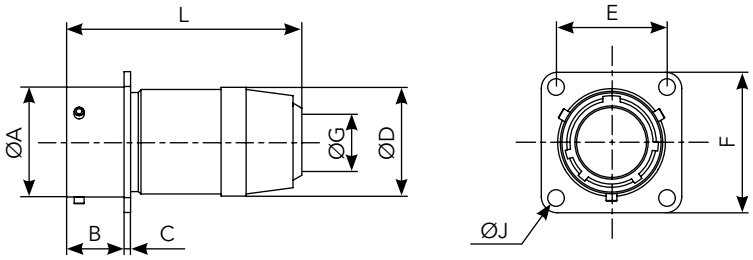
Note: all dimensions are in mm

Environmental connectors

Square flange receptacle with straight sealing gland backshell

Cross reference

00 J	HE 301 B 00J

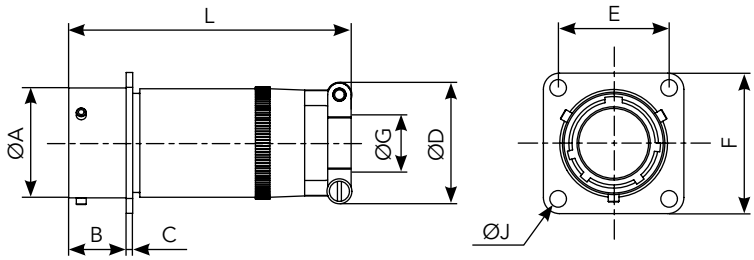


Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max		J
	solder contacts	crimp contacts	solder	crimp							min	max	
8	851 00 J 8.. ☤ . 50..	-	47.60	-	12.03	11.70	1.32	14.40	15.09	20.99	5.02	5.84	3.13
10	851 00 J 10.. ☤ . 50..	-	47.60	-	15.01	11.70	1.32	17.60	18.26	24.19	5.94	6.76	3.13
12	851 00 J 12.. ☤ . 50..	-	48.70	-	19.07	11.70	1.32	21.10	20.62	26.54	9.34	10.16	3.13
14	851 00 J 14.. ☤ . 50..	-	53.50	-	22.25	11.70	1.32	24.40	23.00	28.89	11.32	12.14	3.13
16	851 00 J 16.. ☤ . 50..	-	59.00	-	25.42	11.70	1.32	27.60	24.61	31.29	14.73	15.55	3.13
18	851 00 J 18.. ☤ . 50..	-	65.00	-	28.60	11.70	1.32	30.80	26.97	33.69	16.00	16.82	3.13
20	851 00 J 20.. ☤ . 50..	-	79.10	-	31.77	14.35	2.15	34.10	29.36	36.89	16.89	17.70	3.13
22	851 00 J 22.. ☤ . 50..	-	80.00	-	34.95	14.35	2.15	37.30	31.75	39.99	17.78	18.60	3.13
24	851 00 J 24.. ☤ . 50..	-	90.00	-	38.12	15.20	2.15	40.50	34.92	43.15	20.34	21.16	3.81

Square flange receptacle with straight sealing gland and cable clamp

Cross reference

00 JC	MS 3110 J

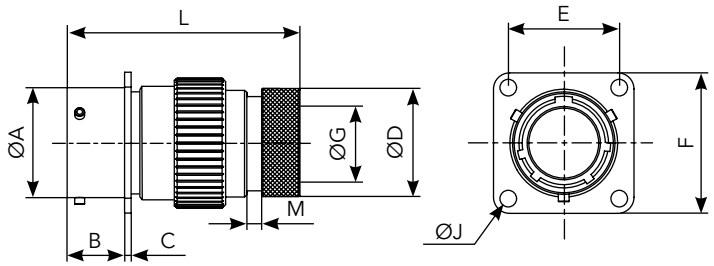


Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max		J
	solder contacts	crimp contacts	solder	crimp							min	max	
8	851 00 JC 8.. ☤ .50..	-	57.68	-	12.03	11.70	1.32	19.90	15.09	20.99	5.02	5.84	3.13
10	851 00 JC 10.. ☤ .50..	-	57.68	-	15.01	11.70	1.32	21.50	18.26	24.19	5.94	6.76	3.13
12	851 00 JC 12.. ☤ .50..	-	61.24	-	19.07	11.70	1.32	25.00	20.62	26.54	9.34	10.16	3.13
14	851 00 JC 14.. ☤ .50..	-	66.01	-	22.25	11.70	1.32	27.80	23.00	28.89	11.32	12.14	3.13
16	851 00 JC 16.. ☤ .50..	-	74.75	-	25.42	11.70	1.32	29.40	24.61	31.29	14.73	15.55	3.13
18	851 00 JC 18.. ☤ .50..	-	80.57	-	28.60	11.70	1.32	35.30	26.97	33.69	16.00	16.82	3.13
20	851 00 JC 20.. ☤ .50..	-	91.69	-	31.77	14.35	2.15	35.30	29.36	36.89	16.89	17.70	3.13
22	851 00 JC 22.. ☤ .50..	-	95.66	-	34.95	14.35	2.15	41.10	31.75	39.99	17.78	18.60	3.13
24	851 00 JC 24.. ☤ .50..	-	101.22	-	38.12	15.20	2.15	42.40	34.92	43.15	20.34	21.16	3.81

Note: all dimensions are in mm

Environmental connectors

Square flange receptacle with removable straight backshell for heatshrink sleeving

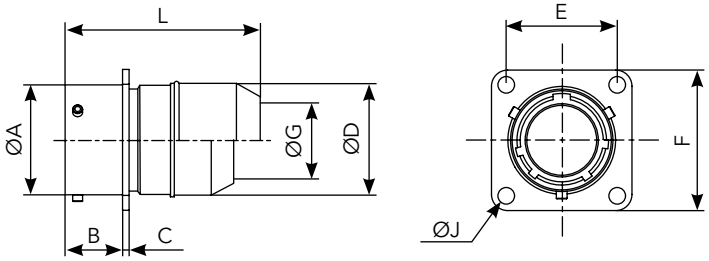


Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max	J	M max
	solder contacts	crimp contacts	solder	crimp									
8	851 00 M 8.. ⁰₅ . 50..	851 00 RM 8.. ⁰₅ . 50 ..	50.00		12.03	11.70	1.32	13.55	15.09	20.99	7.05	3.13	3.50
10	851 00 M 10.. ⁰₅ . 50..	851 00 RM 10.. ⁰₅ . 50..	50.00		15.01	11.70	1.32	15.35	18.26	24.19	9.90	3.13	3.50
12	851 00 M 12.. ⁰₅ . 50..	851 00 RM 12.. ⁰₅ . 50..	50.00		19.07	11.70	1.32	19.48	20.62	26.54	12.60	3.13	3.50
14	851 00 M 14.. ⁰₅ . 50..	851 00 RM 14.. ⁰₅ . 50..	50.00		22.25	11.70	1.32	21.30	23.00	28.89	15.90	3.13	3.50
16	851 00 M 16.. ⁰₅ . 50..	851 00 RM 16.. ⁰₅ . 50..	50.00		25.42	11.70	1.32	24.50	24.61	31.29	18.95	3.13	3.50
18	851 00 M 18.. ⁰₅ . 50..	851 00 RM 18.. ⁰₅ . 50..	50.00		28.60	11.70	1.32	26.45	26.97	33.69	20.90	3.13	3.50
20	851 00 M 20.. ⁰₅ . 50..	851 00 RM 20.. ⁰₅ . 50..	53.30		31.77	14.35	2.15	30.73	29.36	36.89	23.70	3.13	3.50
22	851 00 M 22.. ⁰₅ . 50..	851 00 RM 22.. ⁰₅ . 50..	53.30		34.95	14.35	2.15	34.24	31.75	39.99	26.60	3.13	3.50
24	851 00 M 24.. ⁰₅ . 50..	851 00 RM 24.. ⁰₅ . 50..	53.30		38.12	15.20	2.15	36.47	34.92	43.15	29.30	3.81	3.50

Square flange receptacle with straight backshell for potting

Cross reference

00 P	HE 301 B 00 P
	MS 3110 P
00 RP	HE 301 B 00 RP
	MS 3120 P

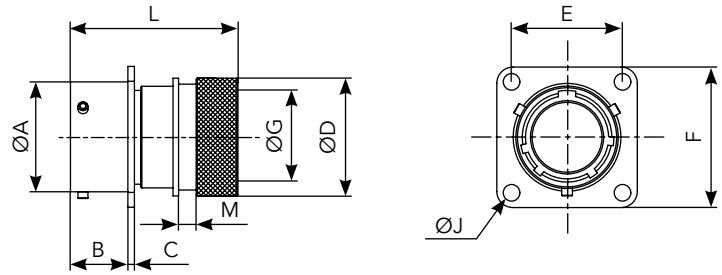


Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max	J
	solder contacts	crimp contacts	solder	crimp								
8	851 00 P 8.. ⁰₅ . 50..	851 00 RP 8.. ⁰₅ . 50 ..	36.20	41.70	12.03	11.70	1.32	15.34	15.09	20.99	10.46	3.13
10	851 00 P 10.. ⁰₅ . 50..	851 00 RP 10.. ⁰₅ . 50..	36.20	41.70	15.01	11.70	1.32	17.70	18.26	24.19	13.55	3.13
12	851 00 P 12.. ⁰₅ . 50..	851 00 RP 12.. ⁰₅ . 50..	36.20	41.70	19.07	11.70	1.32	21.69	20.62	26.54	13.96	3.13
14	851 00 P 14.. ⁰₅ . 50..	851 00 RP 14.. ⁰₅ . 50..	36.20	41.70	22.25	11.70	1.32	23.90	23.00	28.89	17.42	3.13
16	851 00 P 16.. ⁰₅ . 50..	851 00 RP 16.. ⁰₅ . 50..	36.20	41.70	25.42	11.70	1.32	27.00	24.61	31.29	20.56	3.13
18	851 00 P 18.. ⁰₅ . 50..	851 00 RP 18.. ⁰₅ . 50..	36.91	44.46	28.60	11.70	1.32	30.50	26.97	33.69	23.66	3.13
20	851 00 P 20.. ⁰₅ . 50..	851 00 RP 20.. ⁰₅ . 50..	43.80	50.93	31.77	14.35	2.15	33.65	29.36	36.89	23.92	3.13
22	851 00 P 22.. ⁰₅ . 50..	851 00 RP 22.. ⁰₅ . 50..	43.80	50.93	34.95	14.35	2.15	37.10	31.75	39.99	25.52	3.13
24	851 00 P 24.. ⁰₅ . 50..	851 00 RP 24.. ⁰₅ . 50..	43.80	51.40	38.12	15.20	2.15	40.00	34.92	43.15	32.00	3.81

Note: all dimensions are in mm

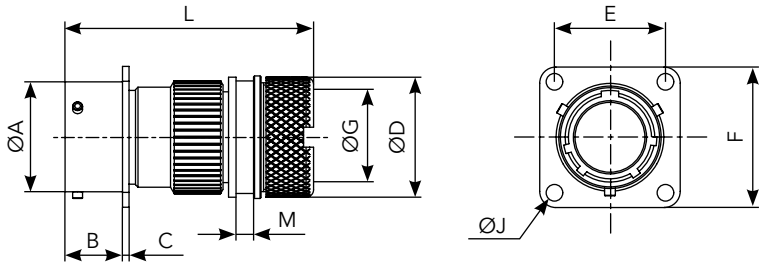
Environmental connectors

Square flange receptacle with straight backshell for heatshrink sleeving



Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max		J	M max
	solder contacts	crimp contacts	solder	crimp							Solder	Crimp		
8	851 00 T 8.. P S . 50..	851 00 RT 8.. P S . 50 ..	36.70	36.00	12.03	11.70	1.32	15.35	15.09	20.99	7.20	6.70	3.13	3.70
10	851 00 T 10.. P S . 50..	851 00 RT 10.. P S . 50..	36.70	36.00	15.01	11.70	1.32	18.15	18.26	24.19	10.20	9.40	3.13	3.70
12	851 00 T 12.. P S . 50..	851 00 RT 12.. P S . 50..	36.70	36.00	19.07	11.70	1.32	23.45	20.62	26.54	13.20	11.95	3.13	3.70
14	851 00 T 14.. P S . 50..	851 00 RT 14.. P S . 50..	36.70	36.00	22.25	11.70	1.32	24.25	23.00	28.89	16.10	15.15	3.13	3.70
16	851 00 T 16.. P S . 50..	851 00 RT 16.. P S . 50..	39.00	38.30	25.42	11.70	1.32	29.55	24.61	31.29	19.25	18.05	3.13	3.70
18	851 00 T 18.. P S . 50..	851 00 RT 18.. P S . 50..	39.00	38.30	28.60	11.70	1.32	31.75	26.97	33.69	21.30	19.95	3.13	3.70
20	851 00 T 20.. P S . 50..	851 00 RT 20.. P S . 50..	45.30	44.20	31.77	14.35	2.15	35.85	29.36	36.89	24.40	23.05	3.13	3.70
22	851 00 T 22.. P S . 50..	851 00 RT 22.. P S . 50..	45.30	44.20	34.95	14.35	2.15	38.20	31.75	39.99	27.50	25.55	3.13	3.70
24	851 00 T 24.. P S . 50..	851 00 RT 24.. P S . 50..	44.00	42.60	38.12	15.20	2.15	41.30	34.92	43.15	30.60	28.65	3.81	3.70

Square flange receptacle with removable backshell for screen termination and heatshrink sleeving (38 & 42 suffix)



Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	G max	J	M max
	solder contacts	crimp contacts	solder	crimp									
8	851 00 T 8.. P S . 50 38 42	851 00 RT 8.. P S . 50 38 42	51.60		12.03	11.70	1.32	18.25	15.09	20.99	7.45	3.13	3.70
10	851 00 T 10.. P S . 50 38 42	851 00 RT 10.. P S . 50 38 42	51.60		15.01	11.70	1.32	20.25	18.26	24.19	9.00	3.13	3.70
12	851 00 T 12.. P S . 50 38 42	851 00 RT 12.. P S . 50 38 42	51.60		19.07	11.70	1.32	24.75	20.62	26.54	13.30	3.13	3.70
14	851 00 T 14.. P S . 50 38 42	851 00 RT 14.. P S . 50 38 42	51.60		22.25	11.70	1.32	27.75	23.00	28.89	16.50	3.13	3.70
16	851 00 T 16.. P S . 50 38 42	851 00 RT 16.. P S . 50 38 42	51.60		25.42	11.70	1.32	30.05	24.61	31.29	18.50	3.13	3.70
18	851 00 T 18.. P S . 50 38 42	851 00 RT 18.. P S . 50 38 42	52.00		28.60	11.70	1.32	34.15	26.97	33.69	21.90	3.13	3.70
20	851 00 T 20.. P S . 50 38 42	851 00 RT 20.. P S . 50 38 42	55.10		31.77	14.35	2.15	37.25	29.36	36.89	25.10	3.13	3.70
22	851 00 T 22.. P S . 50 38 42	851 00 RT 22.. P S . 50 38 42	55.10		34.95	14.35	2.15	40.45	31.75	39.99	28.20	3.13	3.70
24	851 00 T 24.. P S . 50 38 42	851 00 RT 24.. P S . 50 38 42	55.10		38.12	15.20	2.15	43.65	34.92	43.15	31.40	3.81	3.70

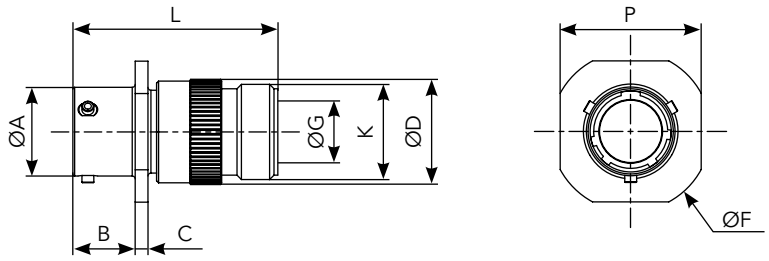
Note: all dimensions are in mm

Environmental connectors

Cable in line receptacle with straight adaptor

Cross reference

01 A	HE 301 B 01 A
01 RA	HE 301 B 01 RA

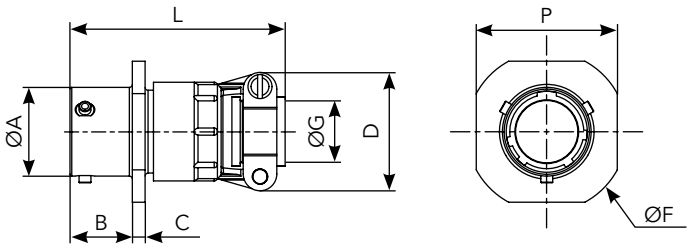


Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	K threading UNEF 2A	P max
	solder contacts	crimp contacts	solder	crimp								
8	851 01 A 8.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 8.. ⁽ᴾ⁄ₛ⁾ . 50 ..	41.00		12.03	10.60	2.10	14.50	24.24	9.10	1/2 28	20.99
10	851 01 A 10.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 10.. ⁽ᴾ⁄ₛ⁾ . 50..	41.00		15.01	10.60	2.10	18.70	27.44	12.08	5/8 24	24.19
12	851 01 A 12.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 12.. ⁽ᴾ⁄ₛ⁾ . 50..	41.00		19.07	10.60	2.10	21.70	29.79	15.25	3/4 20	26.54
14	851 01 A 14.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 14.. ⁽ᴾ⁄ₛ⁾ . 50..	41.00		22.25	10.60	2.10	25.10	32.10	18.15	7/8 20	28.89
16	851 01 A 16.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 16.. ⁽ᴾ⁄ₛ⁾ . 50..	41.00		25.42	10.60	2.10	28.13	34.59	21.32	1-20	31.29
18	851 01 A 18.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 18.. ⁽ᴾ⁄ₛ⁾ . 50..	41.00		28.60	10.60	2.10	31.38	36.94	24.32	1-3/16 18	33.69
20	851 01 A 20.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 20.. ⁽ᴾ⁄ₛ⁾ . 50..	44.00		31.77	13.85	2.65	34.30	40.15	26.73	1-3/16 18	36.89
22	851 01 A 22.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 22.. ⁽ᴾ⁄ₛ⁾ . 50..	44.00		34.95	13.85	2.65	37.60	42.24	30.67	1-7/16 18	40.00
24	851 01 A 24.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RA 24.. ⁽ᴾ⁄ₛ⁾ . 50..	44.00		38.12	14.70	2.65	40.70	46.44	33.08	1-7/16 18	43.29

Cable in line receptacle with straight cable clamp

Cross reference

01 EC	HE 301 B 01 EC
	MS 3111 F
01 AC	HE 301 B 01 AC
01 RC	HE 301 B 01 RC
	MS 3121 F



Shell size	Part numbers		L max		A	B max	C max	D max	F max	G	P max
	solder contacts	crimp contacts	solder	crimp							
8	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 8.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 8.. ⁽ᴾ⁄ₛ⁾ . 50 ..	48.00	47.30	12.03	10.60	2.10	19.90	24.24	3.50	20.99
10	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 10.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 10.. ⁽ᴾ⁄ₛ⁾ . 50..	48.00	47.30	15.01	10.60	2.10	21.50	27.44	5.00	24.19
12	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 12.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 12.. ⁽ᴾ⁄ₛ⁾ . 50..	48.00	47.30	19.07	10.60	2.10	25.00	29.79	8.20	26.54
14	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 14.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 14.. ⁽ᴾ⁄ₛ⁾ . 50..	48.00	47.30	22.25	10.60	2.10	27.80	32.10	10.00	28.89
16	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 16.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 16.. ⁽ᴾ⁄ₛ⁾ . 50..	51.00	50.50	25.42	10.60	2.10	29.40	34.59	13.00	31.29
18	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 18.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 18.. ⁽ᴾ⁄ₛ⁾ . 50..	51.00	50.50	28.60	10.60	2.10	35.30	36.94	16.00	33.69
20	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 20.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 20.. ⁽ᴾ⁄ₛ⁾ . 50..	53.00	51.50	31.77	13.85	2.65	35.30	40.14	16.00	36.89
22	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 22.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 22.. ⁽ᴾ⁄ₛ⁾ . 50..	53.00	51.50	34.95	13.85	2.65	41.10	43.24	19.30	40.00
24	851 01 ⁽ᴱᶜ⁄ₐᶜ⁾ 24.. ⁽ᴾ⁄ₛ⁾ . 50..	851 01 RC 24.. ⁽ᴾ⁄ₛ⁾ . 50..	53.00	51.50	38.12	14.70	2.65	42.40	46.44	20.60	43.29

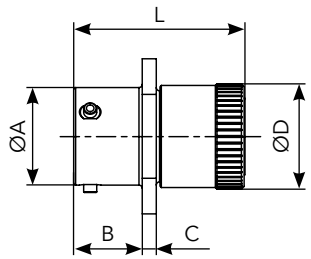
Note: all dimensions are in mm

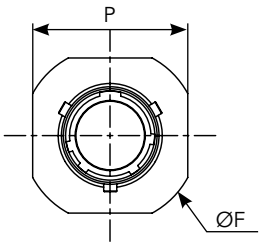
Environmental connectors

Cable in line receptacle with backnut

Cross reference

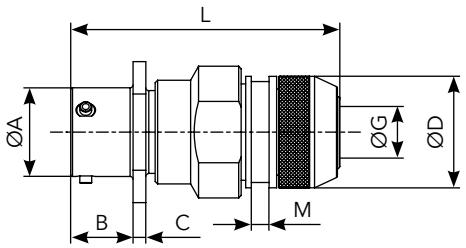
01 E	HE 301 B 01 E
	MS 3111 E
01 R	HE 301 B 01 R
	MS 3121 E

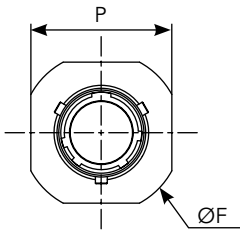




Shell size	Part numbers		L max		A	B max	C max	D max	F max	P max
	solder contacts	crimp contacts	solder	crimp						
8	851 01 E 8.. ⁿ₀ . 50..	851 01 R 8.. ⁿ₀ . 50..	32.70	32.00	12.03	10.60	2.10	13.50	24.24	20.99
10	851 01 E 10.. ⁿ₀ . 50..	851 01 R 10.. ⁿ₀ . 50..	32.70	32.00	15.01	10.60	2.10	16.70	27.44	24.19
12	851 01 E 12.. ⁿ₀ . 50..	851 01 R 12.. ⁿ₀ . 50..	32.70	32.00	19.07	10.60	2.10	19.90	29.79	26.54
14	851 01 E 14.. ⁿ₀ . 50..	851 01 R 14.. ⁿ₀ . 50..	32.70	32.00	22.25	10.60	2.10	23.40	32.10	28.89
16	851 01 E 16.. ⁿ₀ . 50..	851 01 R 16.. ⁿ₀ . 50..	32.70	32.00	25.42	10.60	2.10	26.60	34.59	31.29
18	851 01 E 18.. ⁿ₀ . 50..	851 01 R 18.. ⁿ₀ . 50..	32.70	32.00	28.60	10.60	2.10	29.50	36.94	33.69
20	851 01 E 20.. ⁿ₀ . 50..	851 01 R 20.. ⁿ₀ . 50..	34.50	33.40	31.77	13.85	2.65	32.70	40.14	36.89
22	851 01 E 22.. ⁿ₀ . 50..	851 01 R 22.. ⁿ₀ . 50..	34.50	33.40	34.95	13.85	2.65	36.00	43.24	40.00
24	851 01 E 24.. ⁿ₀ . 50..	851 01 R 24.. ⁿ₀ . 50..	34.50	33.40	38.12	14.70	2.65	39.10	46.44	43.29

Cable in line receptacle with removable straight backshell for screen termination and heatshrink sleeving





Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	M max	P max
	solder contacts	crimp contacts	solder	crimp								
8	851 01 G 8.. ⁿ₀ . 50..	851 01 RG 8.. ⁿ₀ . 50 ..	54.00		12.03	10.60	2.10	16.30	24.24	7.45	3.60	20.99
10	851 01 G 10.. ⁿ₀ . 50..	851 01 RG 10.. ⁿ₀ . 50..	54.00		15.01	10.60	2.10	18.30	27.44	10.30	3.60	24.19
12	851 01 G 12.. ⁿ₀ . 50..	851 01 RG 12.. ⁿ₀ . 50..	54.00		19.07	10.60	2.10	22.30	29.79	13.20	3.60	26.54
14	851 01 G 14.. ⁿ₀ . 50..	851 01 RG 14.. ⁿ₀ . 50..	54.00		22.25	10.60	2.10	25.30	32.10	16.50	3.60	28.89
16	851 01 G 16.. ⁿ₀ . 50..	851 01 RG 16.. ⁿ₀ . 50..	54.00		25.42	10.60	2.10	28.30	34.59	19.35	3.60	31.29
18	851 01 G 18.. ⁿ₀ . 50..	851 01 RG 18.. ⁿ₀ . 50..	54.00		28.60	10.60	2.10	32.30	36.94	21.60	3.60	33.69
20	851 01 G 20.. ⁿ₀ . 50..	851 01 RG 20.. ⁿ₀ . 50..	59.30		31.77	13.85	2.65	34.30	40.15	24.80	3.60	36.89
22	851 01 G 22.. ⁿ₀ . 50..	851 01 RG 22.. ⁿ₀ . 50..	59.30		34.95	13.85	2.65	38.30	42.24	27.90	3.60	40.00
24	851 01 G 24.. ⁿ₀ . 50..	851 01 RG 24.. ⁿ₀ . 50..	59.30		38.12	14.70	2.65	41.30	46.44	31.00	3.60	43.29

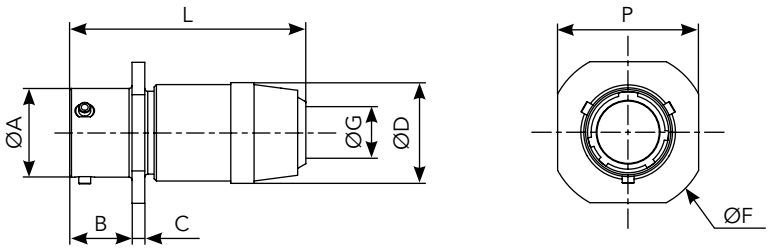
Note: all dimensions are in mm

Environmental connectors

Cable in line receptacle with straight sealing gland backshell

Cross reference

01 J	HE 301 B 01 J

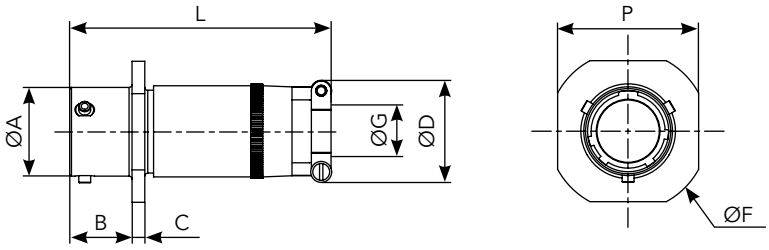


Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max		P max
	solder contacts	crimp contacts	solder	crimp						min	max	
8	851 01 J 8.. ⁂ . 50..	-	47.60	-	12.03	10.60	2.10	14.40	24.24	5.02	5.84	20.99
10	851 01 J 10.. ⁂ . 50..	-	47.60	-	15.01	10.60	2.10	17.60	27.44	5.94	6.76	24.19
12	851 01 J 12.. ⁂ . 50..	-	48.70	-	19.07	10.60	2.10	21.10	29.79	9.34	10.16	26.54
14	851 01 J 14.. ⁂ . 50..	-	53.50	-	22.25	10.60	2.10	24.40	32.10	11.32	12.14	28.89
16	851 01 J 16.. ⁂ . 50..	-	59.00	-	25.42	10.60	2.10	27.60	34.59	14.73	15.55	31.29
18	851 01 J 18.. ⁂ . 50..	-	65.00	-	28.60	10.60	2.10	30.80	36.94	16.00	16.82	33.69
20	851 01 J 20.. ⁂ . 50..	-	79.10	-	31.77	13.85	2.65	34.10	40.15	16.89	17.71	36.89
22	851 01 J 22.. ⁂ . 50..	-	80.00	-	34.95	13.85	2.65	37.30	42.24	17.78	18.60	40.00
24	851 01 J 24.. ⁂ . 50..	-	90.00	-	38.12	14.70	2.65	40.50	46.44	20.34	21.16	43.29

Cable in line receptacle with straight sealing gland and cable clamp backshell

Cross reference

01 JC	HE 301 B 01 J

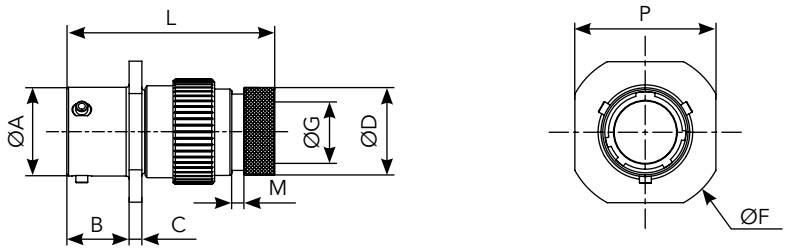


Shell size	Part numbers		L max		A	B max	C max	D max	F max	G		P max
	solder contacts	crimp contacts	solder	crimp						min	max	
8	851 01 JC 8.. ⁂ .50..	-	57.68	-	12.03	10.60	2.10	19.90	24.24	5.02	5.84	20.99
10	851 01 JC 10.. ⁂ .50..	-	57.68	-	15.01	10.60	2.10	21.50	27.44	5.94	6.76	24.19
12	851 01 JC 12.. ⁂ .50..	-	61.24	-	19.07	10.60	2.10	25.00	29.79	9.34	10.16	26.54
14	851 01 JC 14.. ⁂ .50..	-	66.01	-	22.25	10.60	2.10	27.80	32.10	11.32	12.14	28.89
16	851 01 JC 16.. ⁂ .50..	-	74.75	-	25.42	10.60	2.10	29.40	34.59	14.73	15.50	31.29
18	851 01 JC 18.. ⁂ .50..	-	80.57	-	28.60	10.60	2.10	35.30	36.94	16.00	16.82	33.69
20	851 01 JC 20.. ⁂ .50..	-	91.69	-	31.77	13.85	2.65	35.30	40.15	16.89	17.71	36.89
22	851 01 JC 22.. ⁂ .50..	-	95.66	-	34.95	13.85	2.65	41.10	42.24	17.78	18.60	40.00
24	851 01 JC 24.. ⁂ .50..	-	101.22	-	38.12	14.70	2.65	42.40	46.44	20.34	21.16	43.29

Note: all dimensions are in mm

Environmental connectors

Cable connecting receptacle with removable straight backshell for heatshrink sleeving

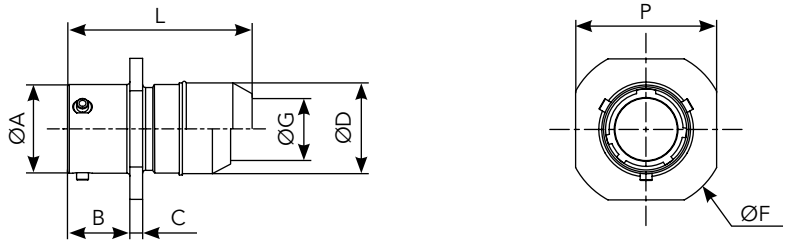


Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	P max	M max
	solder contacts	crimp contacts	solder	crimp								
8	851 01 M 8.. ⁰₅ .50..	851 01 RM 8.. ⁰₅ .50 ..	50.00		12.03	10.60	2.10	13.55	24.24	7.05	20.99	3.50
10	851 01 M 10.. ⁰₅ .50..	851 01 RM 10.. ⁰₅ .50..	50.00		15.01	10.60	2.10	15.35	27.44	9.90	24.19	3.50
12	851 01 M 12.. ⁰₅ .50..	851 01 RM 12.. ⁰₅ .50..	50.00		19.07	10.60	2.10	19.48	29.79	12.60	26.54	3.50
14	851 01 M 14.. ⁰₅ .50..	851 01 RM 14.. ⁰₅ .50..	50.00		22.25	10.60	2.10	21.30	32.10	15.90	28.89	3.50
16	851 01 M 16.. ⁰₅ .50..	851 01 RM 16.. ⁰₅ .50..	50.00		25.42	10.60	2.10	24.50	34.59	18.95	31.29	3.50
18	851 01 M 18.. ⁰₅ .50..	851 01 RM 18.. ⁰₅ .50..	50.00		28.60	10.60	2.10	26.45	36.94	20.90	33.69	3.50
20	851 01 M 20.. ⁰₅ .50..	851 01 RM 20.. ⁰₅ .50..	53.30		31.77	13.85	2.65	30.75	40.15	23.70	36.89	3.50
22	851 01 M 22.. ⁰₅ .50..	851 01 RM 22.. ⁰₅ .50..	53.30		34.95	13.85	2.65	34.24	42.24	26.60	40.00	3.50
24	851 01 M 24.. ⁰₅ .50..	851 01 RM 24.. ⁰₅ .50..	53.30		38.12	14.70	2.65	36.47	46.44	29.30	43.29	3.50

Cable connecting receptacle with straight backshell for potting

Cross reference

01 P	HE 301 B 01 P
	MS 3111 P
01 RP	HE 301 B 01 RP
	MS 3121 P

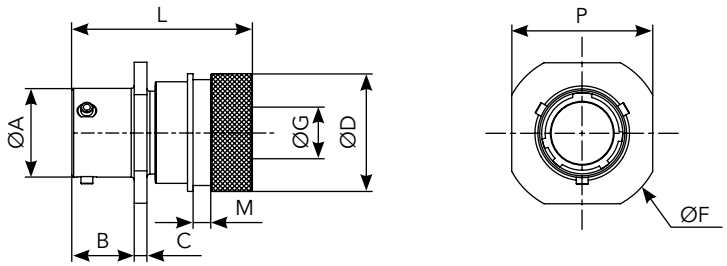


Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	P max
	solder contacts	crimp contacts	solder	crimp							
8	851 01 P 8.. ⁰₅ . 50..	851 01 RP 8.. ⁰₅ . 50 ..	36.20	41.70	12.03	10.60	2.10	15.34	24.24	10.46	20.99
10	851 01 P 10.. ⁰₅ . 50..	851 01 RP 10.. ⁰₅ . 50..	36.20	41.70	15.01	10.60	2.10	17.70	27.44	13.55	24.19
12	851 01 P 12.. ⁰₅ . 50..	851 01 RP 12.. ⁰₅ . 50..	36.20	41.70	19.07	10.60	2.10	21.69	29.79	13.96	26.54
14	851 01 P 14.. ⁰₅ . 50..	851 01 RP 14.. ⁰₅ . 50..	36.20	41.70	22.25	10.60	2.10	23.90	32.10	17.42	28.89
16	851 01 P 16.. ⁰₅ . 50..	851 01 RP 16.. ⁰₅ . 50..	36.20	41.70	25.42	10.60	2.10	27.00	34.59	20.56	31.29
18	851 01 P 18.. ⁰₅ . 50..	851 01 RP 18.. ⁰₅ . 50..	36.91	44.46	28.60	10.60	2.10	30.50	36.94	23.66	33.69
20	851 01 P 20.. ⁰₅ . 50..	851 01 RP 20.. ⁰₅ . 50..	43.80	50.93	31.77	13.85	2.65	33.65	40.15	23.92	36.89
22	851 01 P 22.. ⁰₅ . 50..	851 01 RP 22.. ⁰₅ . 50..	43.80	50.93	34.95	13.85	2.65	37.10	42.24	25.52	40.00
24	851 01 P 24.. ⁰₅ . 50..	851 01 RP 24.. ⁰₅ . 50..	43.80	50.93	38.12	14.70	2.65	40.00	46.44	32.00	43.29

Note: all dimensions are in mm

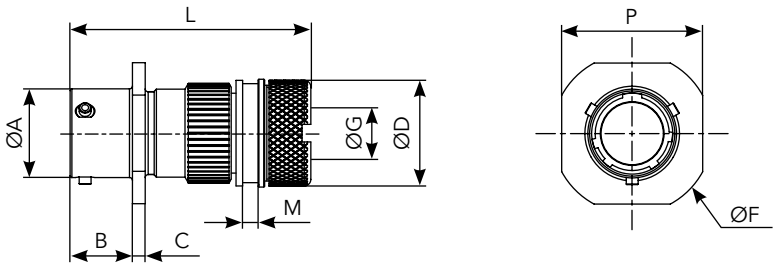
Environmental connectors

Cable in line receptacle with straight backshell for heatshrink sleeving



Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max		P max	M max
	solder contacts	crimp contacts	solder	crimp						solder	crimp		
8	851 01 T 8.. P S .50..	851 01 RT 8.. P S .50..	36.70	36.00	12.03	10.60	2.10	15.35	24.24	7.20	6.70	20.99	3.70
10	851 01 T 10.. P S .50..	851 01 RT 10.. P S .50..	36.70	36.00	15.01	10.60	2.10	18.15	27.44	10.20	9.40	24.19	3.70
12	851 01 T 12.. P S .50..	851 01 RT 12.. P S .50..	36.70	36.00	19.07	10.60	2.10	23.45	29.70	13.20	11.95	26.54	3.70
14	851 01 T 14.. P S .50..	851 01 RT 14.. P S .50..	36.70	36.00	22.25	10.60	2.10	24.25	32.10	16.10	15.15	28.89	3.70
16	851 01 T 16.. P S .50..	851 01 RT 16.. P S .50..	39.00	38.30	25.42	10.60	2.10	29.55	34.59	19.25	18.05	31.29	3.70
18	851 01 T 18.. P S .50..	851 01 RT 18.. P S .50..	39.00	38.30	28.60	10.60	2.10	31.75	36.94	21.30	19.95	33.69	3.70
20	851 01 T 20.. P S .50..	851 01 RT 20.. P S .50..	45.30	44.20	31.77	13.85	2.65	35.85	40.15	24.40	23.05	36.89	3.70
22	851 01 T 22.. P S .50..	851 01 RT 22.. P S .50..	45.30	44.20	34.95	13.85	2.65	38.20	42.24	27.50	25.55	40.00	3.70
24	851 01 T 24.. P S .50..	851 01 RT 24.. P S .50..	44.00	42.60	38.12	14.70	2.65	41.30	46.44	30.60	28.65	43.29	3.70

Cable connecting receptacle with removable straight backshell for screen termination and heatshrink sleeving (38 & 42 suffix)



Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	M max	P max
	solder contacts	crimp contacts	solder	crimp								
8	851 01 T 8.. P S .50 38 42	851 01 RT 8.. P S .50 38 42	51.60		12.03	10.60	2.10	18.25	24.24	7.45	3.70	20.99
10	851 01 T 10.. P S .50 38 42	851 01 RT 10.. P S .50 38 42	51.60		15.01	10.60	2.10	20.25	27.44	9.00	3.70	24.19
12	851 01 T 12.. P S .50 38 42	851 01 RT 12.. P S .50 38 42	51.60		19.07	10.60	2.10	24.75	29.79	13.30	3.70	26.54
14	851 01 T 14.. P S .50 38 42	851 01 RT 14.. P S .50 38 42	51.60		22.25	10.60	2.10	27.75	32.10	16.50	3.70	28.89
16	851 01 T 16.. P S .50 38 42	851 01 RT 16.. P S .50 38 42	51.60		25.42	10.60	2.10	30.05	34.59	18.50	3.70	31.29
18	851 01 T 18.. P S .50 38 42	851 01 RT 18.. P S .50 38 42	52.00		28.60	10.60	2.10	34.15	36.94	21.90	3.70	33.69
20	851 01 T 20.. P S .50 38 42	851 01 RT 20.. P S .50 38 42	55.10		31.77	13.85	2.65	37.25	40.15	25.10	3.70	36.89
22	851 01 T 22.. P S .50 38 42	851 01 RT 22.. P S .50 38 42	55.10		34.95	13.85	2.65	40.45	42.24	28.20	3.70	40.00
24	851 01 T 24.. P S .50 38 42	851 01 RT 24.. P S .50 38 42	55.10		38.12	14.70	2.65	43.65	46.44	31.40	3.70	43.29

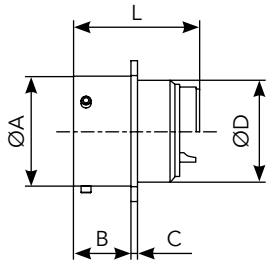
Note: all dimensions are in mm

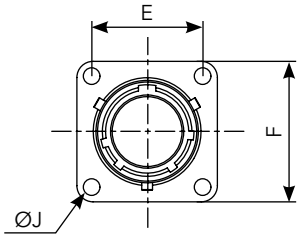
Environmental connectors

Square flange receptacle not accepting backshell

Cross reference

02 E	HE 301 B 02 E
	MS 3112 E
	VG 95328 H
02 R	HE 301 B 02 R
	MS 3122 E
	VG 95328 C



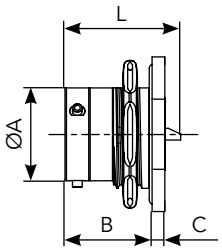


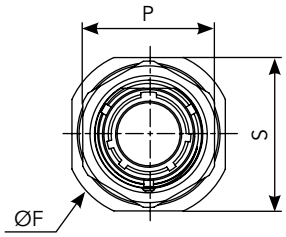
Shell size	Part numbers		L max		A	B max	C max	D max	E	F max	J
	solder contacts	crimp contacts	solder	crimp							
8	851 02 E 8.. ☤ . 50..	851 02 R 8.. ☤ . 50 ..	25.18	32.35	12.03	11.70	1.32	10.84	15.09	20.99	3.13
10	851 02 E 10.. ☤ . 50..	851 02 R 10.. ☤ . 50..	25.10	32.35	15.01	11.70	1.32	13.99	18.26	24.19	3.13
12	851 02 E 12.. ☤ . 50..	851 02 R 12.. ☤ . 50..	25.10	32.35	19.07	11.70	1.32	17.37	20.62	26.54	3.13
14	851 02 E 14.. ☤ . 50..	851 02 R 14.. ☤ . 50..	25.10	32.35	22.25	11.70	1.32	20.57	23.00	28.89	3.13
16	851 02 E 16.. ☤ . 50..	851 02 R 16.. ☤ . 50..	25.10	32.35	25.42	11.70	1.32	23.72	24.61	31.29	3.13
18	851 02 E 18.. ☤ . 50..	851 02 R 18.. ☤ . 50..	25.10	32.35	28.60	11.70	1.32	26.69	26.97	33.69	3.13
20	851 02 E 20.. ☤ . 50..	851 02 R 20.. ☤ . 50..	26.67	33.95	31.77	14.35	2.15	29.89	29.36	36.89	3.13
22	851 02 E 22.. ☤ . 50..	851 02 R 22.. ☤ . 50..	26.67	33.95	34.95	14.35	2.15	33.04	31.75	39.99	3.13
24	851 02 E 24.. ☤ . 50..	851 02 R 24.. ☤ . 50..	26.67	33.95	38.12	15.20	2.15	36.24	34.92	43.15	3.81

Jam nut receptacle not accepting backshell

Cross reference

07 A	HE 301 B 07 A





Shell size	Part numbers		L max		A	B max	C max	F max	P max	S max
	solder contacts	crimp contacts	solder	crimp						
8	851 07 A 8.. ☤ . 50..	-	25.18	-	12.03	17.90	2.64	26.94	19.29	23.94
10	851 07 A 10.. ☤ . 50..	-	25.10	-	15.01	17.90	2.64	30.14	22.38	26.94
12	851 07 A 12.. ☤ . 50..	-	25.10	-	19.07	17.90	2.64	34.94	27.13	31.74
14	851 07 A 14.. ☤ . 50..	-	25.10	-	22.25	17.90	2.64	38.04	30.33	34.94
16	851 07 A 16.. ☤ . 50..	-	25.10	-	25.42	17.90	2.64	41.24	33.48	38.24
18	851 07 A 18.. ☤ . 50..	-	25.10	-	28.60	17.90	2.64	44.44	36.68	41.34
20	851 07 A 20.. ☤ . 50..	-	26.67	-	31.77	22.45	3.44	49.14	39.83	46.04
22	851 07 A 22.. ☤ . 50..	-	26.67	-	34.95	22.45	3.44	52.24	43.03	49.24
24	851 07 A 24.. ☤ . 50..	-	26.67	-	38.12	23.30	3.44	55.54	46.18	52.74

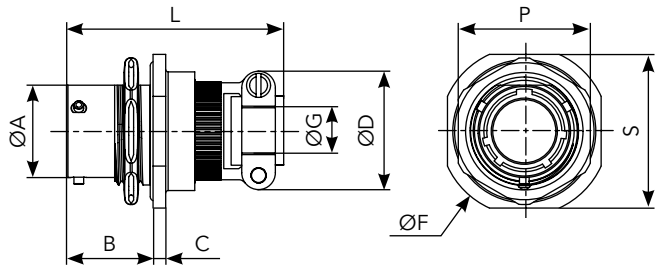
Note: all dimensions are in mm

Environmental connectors

Jam nut receptacle with straight cable clamp

Cross reference

07 EC	HE 301 B 07 EC
	MS 3114 F
07 AC	HE 301 B 07 AC
07 RC	HE 301 B 07 RC
	MS 3124 F
	VG 95328 E

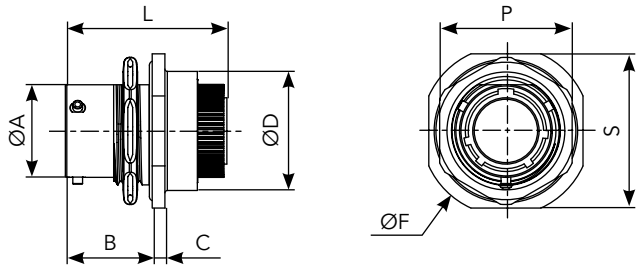


Shell size	Part numbers		L max		A	B max	C max	D max	F max	G	P max	S max
	solder contacts	crimp contacts	solder	crimp								
8	851 07 EC/AC 8.. P/S. 50..	851 07 RC 8.. P/S. 50 ..	49.31	49.10	12.03	17.90	2.64	19.90	26.94	3.50	19.29	23.94
10	851 07 EC/AC 10.. P/S. 50..	851 07 RC 10.. P/S. 50..	49.31	49.10	15.01	17.90	2.64	21.50	30.14	5.00	22.38	26.94
12	851 07 EC/AC 12.. P/S. 50..	851 07 RC 12.. P/S. 50..	49.17	49.10	19.07	17.90	2.64	25.00	34.94	8.20	27.13	31.74
14	851 07 EC/AC 14.. P/S. 50..	851 07 RC 14.. P/S. 50..	49.17	49.10	22.25	17.90	2.64	27.80	38.04	10.00	30.33	34.94
16	851 07 EC/AC 16.. P/S. 50..	851 07 RC 16.. P/S. 50..	52.34	52.20	25.42	17.90	2.64	29.40	41.24	13.00	33.48	38.24
18	851 07 EC/AC 18.. P/S. 50..	851 07 RC 18.. P/S. 50..	53.22	53.10	28.60	17.90	2.64	35.30	44.44	16.00	36.68	41.34
20	851 07 EC/AC 20.. P/S. 50..	851 07 RC 20.. P/S. 50..	58.10	58.00	31.77	22.45	3.44	35.30	49.14	16.00	39.83	46.04
22	851 07 EC/AC 22.. P/S. 50..	851 07 RC 22.. P/S. 50..	58.10	58.00	34.95	22.45	3.44	41.10	52.24	19.30	43.03	49.24
24	851 07 EC/AC 24.. P/S. 50..	851 07 RC 24.. P/S. 50..	58.10	58.00	38.12	23.30	3.44	42.40	55.54	20.60	46.18	52.74

Jam nut receptacle with backnut

Cross reference

07 E	HE 301 B 07 E
	MS 3114 E
07 R	HE 301 B 07 R
	MS 3124 E
	VG 95328 D



Shell size	Part numbers		L max		A	B max	C max	D max	F max	P max	S max
	solder contacts	crimp contacts	solder	crimp							
8	851 07 E 8.. P/S. 50..	851 07 R 8.. P/S. 50 ..	34.10	33.50	12.03	17.90	2.64	18.50	26.94	19.29	23.94
10	851 07 E 10.. P/S. 50..	851 07 R 10.. P/S. 50..	34.10	33.50	15.01	17.90	2.64	21.70	30.14	22.38	26.94
12	851 07 E 12.. P/S. 50..	851 07 R 12.. P/S. 50..	34.10	33.50	19.07	17.90	2.64	24.90	34.94	27.13	31.74
14	851 07 E 14.. P/S. 50..	851 07 R 14.. P/S. 50..	34.10	33.50	22.25	17.90	2.64	28.10	38.04	30.33	34.94
16	851 07 E 16.. P/S. 50..	851 07 R 16.. P/S. 50..	34.10	33.50	25.42	17.90	2.64	31.20	41.24	33.48	38.24
18	851 07 E 18.. P/S. 50..	851 07 R 18.. P/S. 50..	34.10	33.50	28.60	17.90	2.64	34.40	44.44	36.68	41.34
20	851 07 E 20.. P/S. 50..	851 07 R 20.. P/S. 50..	39.30	37.90	31.77	22.45	3.44	38.30	49.14	39.83	46.04
22	851 07 E 22.. P/S. 50..	851 07 R 22.. P/S. 50..	39.30	37.90	34.95	22.45	3.44	41.50	52.24	43.03	49.24
24	851 07 E 24.. P/S. 50..	851 07 R 24.. P/S. 50..	39.30	37.90	38.12	22.30	3.44	44.70	55.54	46.18	52.74

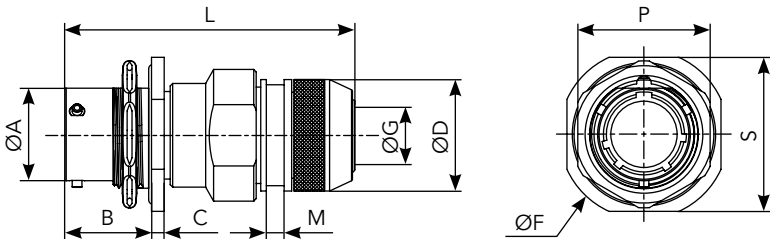
Note: all dimensions are in mm

Environmental connectors

Jam nut receptacle with removable straight backshell for screen termination and heatshrink sleeving

Cross reference

07 G	
07 RG	VG 95328 T

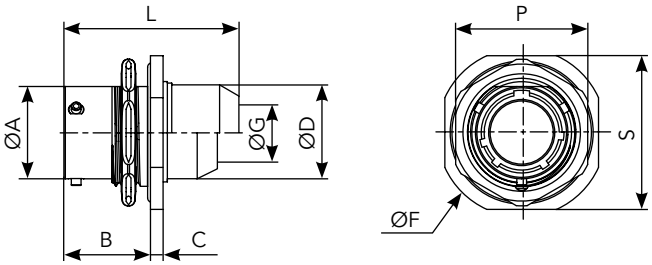


Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	M max	P max	S max
	solder contacts	crimp contacts	solder	crimp									
8	851 07 G 8.. ⬜ . 50	851 07 RG 8.. ⬜ . 50	62.20		12.03	17.90	2.64	16.30	26.94	7.45	3.60	19.29	23.94
10	851 07 G 10.. ⬜ . 50	851 07 RG 10.. ⬜ . 50	62.20		15.01	17.90	2.64	18.30	30.14	10.30	3.60	22.38	26.94
12	851 07 G 12.. ⬜ . 50	851 07 RG 12.. ⬜ . 50	62.20		19.07	17.90	2.64	22.30	34.94	13.20	3.60	27.13	31.74
14	851 07 G 14.. ⬜ . 50	851 07 RG 14.. ⬜ . 50	62.40		22.25	17.90	2.64	25.30	38.04	16.50	3.60	30.33	34.94
16	851 07 G 16.. ⬜ . 50	851 07 RG 16.. ⬜ . 50	62.40		25.42	17.90	2.64	28.30	41.24	19.35	3.60	33.48	38.24
18	851 07 G 18.. ⬜ . 50	851 07 RG 18.. ⬜ . 50	62.40		28.60	17.90	2.64	32.30	44.44	21.60	3.60	36.68	41.34
20	851 07 G 20.. ⬜ . 50	851 07 RG 20.. ⬜ . 50	67.50		31.77	22.45	3.44	34.30	49.14	24.80	3.60	39.83	46.04
22	851 07 G 22.. ⬜ . 50	851 07 RG 22.. ⬜ . 50	67.50		34.95	22.45	3.44	38.30	52.24	27.90	3.60	43.03	49.24
24	851 07 G 24.. ⬜ . 50	851 07 RG 24.. ⬜ . 50	67.50		38.12	23.30	3.44	41.30	55.54	31.00	3.60	46.18	52.74

Jam nut receptacle with straight backshell for potting

Cross reference

07 P	HE 301 B 07 P
	MS 3114 P
07 RP	HE 301 B 07 RP
	MS 3124 P



Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	P max	S max
	solder contacts	crimp contacts	solder	crimp								
8	851 07 P 8.. ⬜ . 50..	851 07 RP 8.. ⬜ . 50 ..	34.30	39.80	12.03	17.90	2.64	15.34	26.94	10.46	19.29	23.94
10	851 07 P 10.. ⬜ . 50..	851 07 RP 10.. ⬜ . 50..	34.30	39.80	15.01	17.90	2.64	17.70	30.14	13.55	22.38	26.94
12	851 07 P 12.. ⬜ . 50..	851 07 RP 12.. ⬜ . 50..	34.30	39.80	19.07	17.90	2.64	21.69	34.94	13.96	27.13	31.74
14	851 07 P 14.. ⬜ . 50..	851 07 RP 14.. ⬜ . 50..	34.30	39.80	22.25	17.90	2.64	23.90	38.04	17.42	30.33	34.94
16	851 07 P 16.. ⬜ . 50..	851 07 RP 16.. ⬜ . 50..	34.30	39.80	25.42	17.90	2.64	27.00	41.24	20.56	33.48	38.24
18	851 07 P 18.. ⬜ . 50..	851 07 RP 18.. ⬜ . 50..	34.10	41.80	28.60	17.90	2.64	30.50	44.44	23.66	36.68	41.34
20	851 07 P 20.. ⬜ . 50..	851 07 RP 20.. ⬜ . 50..	42.25	49.92	31.77	22.45	3.44	33.65	49.14	23.92	39.83	46.04
22	851 07 P 22.. ⬜ . 50..	851 07 RP 22.. ⬜ . 50..	42.25	49.92	34.95	22.45	3.44	37.10	52.24	25.52	43.03	49.24
24	851 07 P 24.. ⬜ . 50..	851 07 RP 24.. ⬜ . 50..	43.26	51.30	38.12	23.30	3.44	40.00	55.54	32.00	46.18	52.74

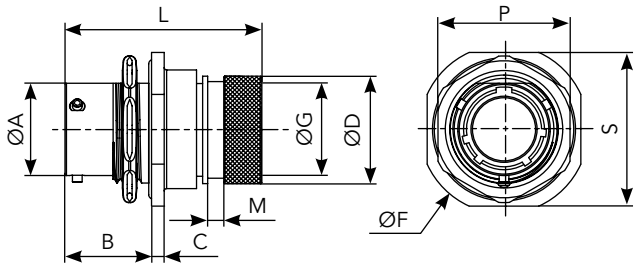
Note: all dimensions are in mm

Environmental connectors

Jam nut receptacle with straight backshell for heatshrink sleeving

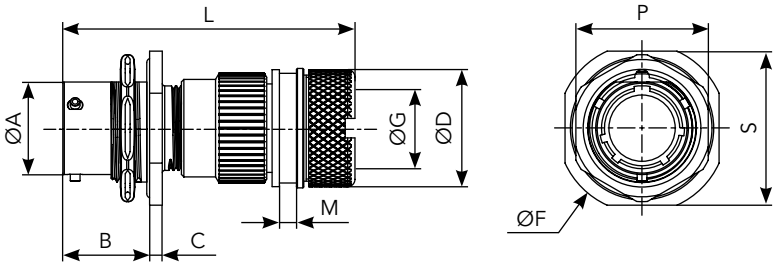
Cross reference

07 T	
07 RT	VG 95328 S



Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max		M max	P max	S max
	solder contacts	crimp contacts	solder	crimp						Solder	Crimp			
8	851 07 T 8.. P/S . 50..	851 07 RT 8.. P/S . 50 ..	42.60	41.50	12.03	17.90	2.64	15.35	26.94	7.20	6.70	3.70	19.29	23.94
10	851 07 T 10.. P/S . 50..	851 07 RT 10.. P/S . 50..	42.60	41.50	15.01	17.90	2.64	18.15	30.14	10.20	9.40	3.70	22.38	26.94
12	851 07 T 12.. P/S . 50..	851 07 RT 12.. P/S . 50..	42.60	41.50	19.07	17.90	2.64	23.45	34.94	13.20	11.95	3.70	27.13	31.74
14	851 07 T 14.. P/S . 50..	851 07 RT 14.. P/S . 50..	42.60	41.50	22.25	17.90	2.64	24.25	38.04	16.10	15.15	3.70	30.33	34.94
16	851 07 T 16.. P/S . 50..	851 07 RT 16.. P/S . 50..	44.40	43.80	25.42	17.90	2.64	29.55	41.24	19.25	18.05	3.70	33.48	38.24
18	851 07 T 18.. P/S . 50..	851 07 RT 18.. P/S . 50..	44.40	43.80	28.60	17.90	2.64	31.75	44.44	21.30	19.95	3.70	36.68	41.24
20	851 07 T 20.. P/S . 50..	851 07 RT 20.. P/S . 50..	50.90	49.80	31.77	22.45	3.44	35.85	49.14	24.40	23.05	3.70	39.83	46.04
22	851 07 T 22.. P/S . 50..	851 07 RT 22.. P/S . 50..	50.90	49.80	34.95	22.45	3.44	38.20	52.24	27.50	25.55	3.70	43.03	49.24
24	851 07 T 24.. P/S . 50..	851 07 RT 24.. P/S . 50..	49.90	48.50	38.12	23.30	3.44	41.30	55.54	30.60	28.65	3.70	46.18	52.74

Jam nut receptacle with removable straight backshell for screen termination and heatshrink sleeving (38 & 42 suffix)



Shell size	Part numbers		L max		A	B max	C max	D max	F max	G max	M max	P max	S max
	solder contacts	crimp contacts	solder	crimp									
8	851 07 T 8.. P/S . 50 38/42	851 07 RT 8.. P/S . 50 38/42	60.00		12.03	17.90	2.64	18.25	26.94	7.45	3.70	19.29	23.94
10	851 07 T 10.. P/S . 50 38/42	851 07 RT 10.. P/S . 50 38/42	60.00		15.01	17.90	2.64	20.25	30.14	9.00	3.70	22.38	26.94
12	851 07 T 12.. P/S . 50 38/42	851 07 RT 12.. P/S . 50 38/42	60.00		19.07	17.90	2.64	24.75	34.94	13.30	3.70	27.13	31.74
14	851 07 T 14.. P/S . 50 38/42	851 07 RT 14.. P/S . 50 38/42	60.00		22.25	17.90	2.64	27.75	38.04	16.50	3.70	30.33	34.94
16	851 07 T 16.. P/S . 50 38/42	851 07 RT 16.. P/S . 50 38/42	60.00		25.42	17.90	2.64	30.05	41.24	18.50	3.70	33.48	38.24
18	851 07 T 18.. P/S . 50 38/42	851 07 RT 18.. P/S . 50 38/42	60.40		28.60	17.90	2.64	34.15	44.44	21.90	3.70	36.68	41.34
20	851 07 T 20.. P/S . 50 38/42	851 07 RT 20.. P/S . 50 38/42	63.40		31.77	22.45	3.44	37.25	49.14	25.10	3.70	39.83	46.04
22	851 07 T 22.. P/S . 50 38/42	851 07 RT 22.. P/S . 50 38/42	63.40		34.95	22.45	3.44	40.45	52.24	28.20	3.70	43.03	49.24
24	851 07 T 24.. P/S . 50 38/42	851 07 RT 24.. P/S . 50 38/42	63.40		38.12	23.30	3.44	43.65	55.54	31.40	3.70	46.18	52.74

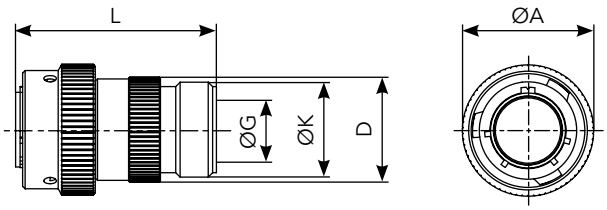
Note: all dimensions are in mm

Environmental connectors

Plug with straight adaptor

Cross reference

06 A	HE 301 B 06 A
06 RA	HE 301 B 06 RA

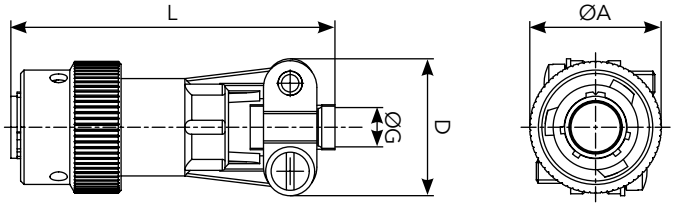


Shell size	Part numbers		L max		A max	D max	G max	F *threading* UNEF 2A
	solder contacts	crimp contacts	solder	crimp				
8	851 06 A 8 .. P S . 50..	851 06 RA 8 .. P S . 50 ..	41.00	41.00	19.05	14.50	9.10	1/2 28
10	851 06 A 10 .. P S . 50..	851 06 RA 10 .. P S . 50..	41.00	41.00	21.80	18.70	12.08	5/8 24
12	851 06 A 12 .. P S . 50..	851 06 RA 12 .. P S . 50..	41.00	41.00	26.15	21.70	15.25	3/4 20
14	851 06 A 14 .. P S . 50..	851 06 RA 14 .. P S . 50..	41.00	41.00	29.35	25.10	18.15	7/8 20
16	851 06 A 16 .. P S . 50..	851 06 RA 16 .. P S . 50..	41.00	41.00	32.50	28.13	21.32	1-20
18	851 06 A 18 .. P S . 50..	851 06 RA 18 .. P S . 50..	41.00	41.00	35.30	31.38	24.32	1-3/16 18
20	851 06 A 20 .. P S . 50..	851 06 RA 20 .. P S . 50..	44.00	43.30	38.85	34.30	26.73	1-3/16 18
22	851 06 A 22 .. P S . 50..	851 06 RA 22 .. P S . 50..	44.00	43.30	42.05	37.60	30.67	1-7/16 18
24	851 06 A 24 .. P S . 50..	851 06 RA 24 .. P S . 50..	44.00	43.50	45.10	40.70	33.08	1-7/16 18

Plug with straight cable clamp

Cross reference

06 EC	HE 301 B 06 EC
	MS 3116 F
06 AC	HE 301 B 06 AC
06 RC	HE 301 B 06 RC
	MS 3126 F
	VG 95328 K



Shell size	Part numbers		L max		A max	D max	G
	solder contacts	crimp contacts	solder	crimp			
8	851 06 EC AC 8 .. P S . 50..	851 06 RC 8 .. P S . 50 ..	48.00	47.30	19.05	19.90	3.50
10	851 06 EC AC 10 .. P S . 50..	851 06 RC 10 .. P S . 50..	48.00	47.30	21.80	21.50	5.00
12	851 06 EC AC 12 .. P S . 50..	851 06 RC 12 .. P S . 50..	48.00	47.30	26.15	25.00	8.20
14	851 06 EC AC 14 .. P S . 50..	851 06 RC 14 .. P S . 50..	48.00	47.30	29.35	27.80	10.00
16	851 06 EC AC 16 .. P S . 50..	851 06 RC 16 .. P S . 50..	51.00	50.50	32.50	29.40	13.00
18	851 06 EC AC 18 .. P S . 50..	851 06 RC 18 .. P S . 50..	51.00	50.50	35.30	35.30	16.00
20	851 06 EC AC 20 .. P S . 50..	851 06 RC 20 .. P S . 50..	52.00	50.20	38.85	35.30	16.00
22	851 06 EC AC 22 .. P S . 50..	851 06 RC 22 .. P S . 50..	52.00	50.20	42.05	41.10	19.30
24	851 06 EC AC 24 .. P S . 50..	851 06 RC 24 .. P S . 50..	52.00	50.20	45.10	42.40	20.60

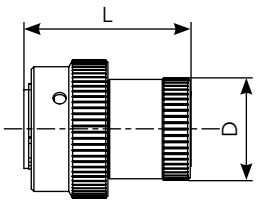
Note: all dimensions are in mm

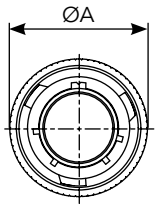
Environmental connectors

Plug with backnut

Cross reference

06 E	HE 301 B 06 E
	MS 3116 E
06 R	HE 301 B 06 R
	MS 3126 E



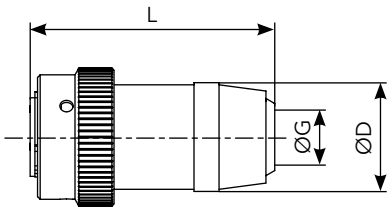


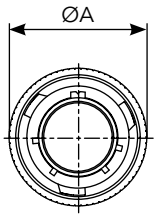
Shell size	Part numbers		L max		A max	D max
	solder contacts	crimp contacts	solder	crimp		
8	851 06 E 8 .. ℘ . 50..	851 06 R 8 .. ℘ . 50 ..	32.54	32.00	19.05	13.50
10	851 06 E 10 .. ℘ . 50..	851 06 R 10 .. ℘ . 50..	32.54	32.00	21.80	16.70
12	851 06 E 12 .. ℘ . 50..	851 06 R 12 .. ℘ . 50..	32.54	32.00	26.15	19.90
14	851 06 E 14 .. ℘ . 50..	851 06 R 14 .. ℘ . 50..	32.54	32.00	29.35	23.40
16	851 06 E 16 .. ℘ . 50..	851 06 R 16 .. ℘ . 50..	32.54	32.00	32.50	26.60
18	851 06 E 18 .. ℘ . 50..	851 06 R 18 .. ℘ . 50..	32.54	32.00	35.30	29.60
20	851 06 E 20 .. ℘ . 50..	851 06 R 20 .. ℘ . 50..	33.30	32.10	38.85	32.70
22	851 06 E 22 .. ℘ . 50..	851 06 R 22 .. ℘ . 50..	33.30	32.10	42.05	36.00
24	851 06 E 24 .. ℘ . 50..	851 06 R 24 .. ℘ . 50..	33.30	32.10	45.10	39.10

Plug with straight sealing gland backshell

Cross reference

06 J	HE 301 B 06 J





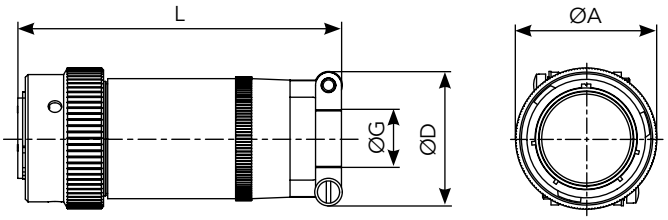
Shell size	Part numbers		L max		A max	D max	G max	
	solder contacts	crimp contacts	solder	crimp			min	max
8	851 06 J 8 .. ℘ . 50..	-	47.60	-	19.05	14.40	5.02	5.84
10	851 06 J 10 .. ℘ . 50..	-	47.60	-	21.80	17.60	5.94	6.76
12	851 06 J 12 .. ℘ . 50..	-	49.20	-	26.15	21.10	9.34	10.16
14	851 06 J 14 .. ℘ . 50..	-	54.00	-	29.35	24.40	11.32	12.14
16	851 06 J 16 .. ℘ . 50..	-	59.60	-	32.50	27.60	14.73	15.55
18	851 06 J 18 .. ℘ . 50..	-	65.60	-	35.30	30.80	16.00	16.80
20	851 06 J 20 .. ℘ . 50..	-	78.00	-	38.85	34.10	16.89	17.71
22	851 06 J 22 .. ℘ . 50..	-	79.50	-	42.05	37.30	17.78	18.60
24	851 06 J 24 .. ℘ . 50..	-	90.00	-	45.10	40.50	20.34	21.16

Note: all dimensions are in mm

Environmental connectors

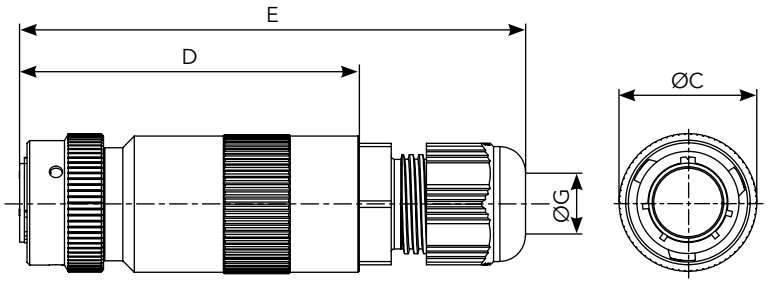
Plug with straight sealing gland and cable clamp backshells

Cross reference	
06 JC	MS 3116 J



Shell size	Part numbers		L max		A max	D max	G max	
	solder contacts	crimp contacts	solder	crimp			min	max
8	851 06 JC 8 .. P S . 50..	-	57.68	-	19.05	19.90	5.02	5.84
10	851 06 JC 10 .. P S . 50..	-	57.68	-	21.80	21.50	5.94	6.76
12	851 06 JC 12 .. P S . 50..	-	61.24	-	26.15	25.00	9.34	10.16
14	851 06 JC 14 .. P S . 50..	-	66.01	-	29.35	27.80	11.32	12.14
16	851 06 JC 16 .. P S . 50..	-	74.75	-	32.50	29.40	14.73	15.50
18	851 06 JC 18 .. P S . 50..	-	80.57	-	35.30	35.30	16.00	16.82
20	851 06 JC 20 .. P S . 50..	-	91.69	-	38.85	35.30	16.89	17.71
22	851 06 JC 22 .. P S . 50..	-	95.66	-	42.05	41.10	17.78	18.60
24	851 06 JC 24 .. P S . 50..	-	101.22	-	45.10	42.40	20.34	21.16

Plug with long metallic adaptor and plastic cable gland



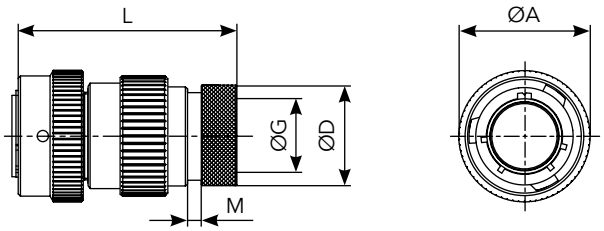
Shell size	Part numbers solder contacts	D maxi	E maxi	ØC maxi	ØG	
					mini	maxi
8	**851 06L 8 P S ***	57.00	81.00	19.30	4.00	5.00
10	**851 06L 10 P S ***	57.00	84.00	22.00	4.00	6.00
12	**851 06L 12 P S ***	57.00	86.00	26.30	4.00	7.00
14	**851 06L 14 P S ***	57.00	87.00	29.50	4.00	9.00
16	**851 06L 16 P S ***	57.00	90.00	32.70	6.00	12.00

Black anodized* See page 12 "obligatory specification". Example: 85106L123P54

Note: all dimensions are in mm

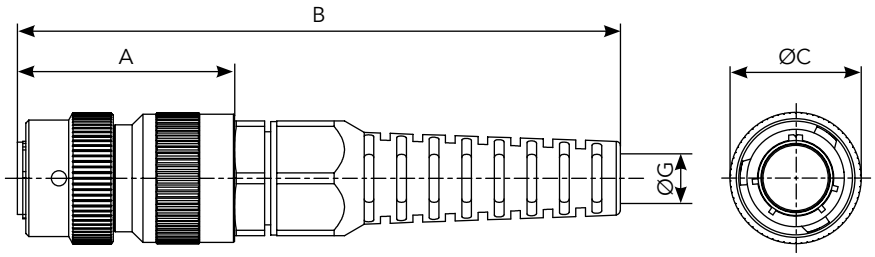
Environmental connectors

Plug with removable straight backshell for heatshrink sleeving



Shell size	Part numbers		L max		A max	D max	G max	M max
	solder contacts	crimp contacts	solder	crimp				
8	851 06 M 8 .. P S . 50..	851 06 RM 8 .. P S . 50 ..	50.00		19.05	13.55	7.05	3.50
10	851 06 M 10 .. P S . 50..	851 06 RM 10 .. P S . 50..	50.00		21.80	15.35	9.90	3.50
12	851 06 M 12 .. P S . 50..	851 06 RM 12 .. P S . 50..	50.00		26.15	19.48	12.60	3.50
14	851 06 M 14 .. P S . 50..	851 06 RM 14 .. P S . 50..	50.00		29.35	21.30	15.90	3.50
16	851 06 M 16 .. P S . 50..	851 06 RM 16 .. P S . 50..	50.00		32.50	24.50	18.95	3.50
18	851 06 M 18 .. P S . 50..	851 06 RM 18 .. P S . 50..	50.00		35.30	26.45	20.90	3.50
20	851 06 M 20 .. P S . 50..	851 06 RM 20 .. P S . 50..	52.00		38.85	30.73	23.70	3.50
22	851 06 M 22 .. P S . 50..	851 06 RM 22 .. P S . 50..	52.00		42.05	34.24	26.60	3.50
24	851 06 M 24 .. P S . 50..	851 06 RM 24 .. P S . 50..	52.00		45.10	36.47	29.30	3.50

Plug with short metallic adaptor and plastic cable gland with spiral protector



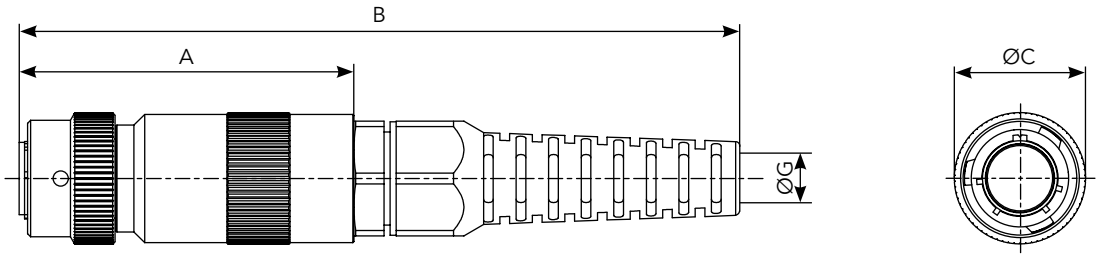
Shell size	Part numbers solder contacts	A maxi	B maxi	ØC maxi	ØG	
					mini	maxi
8	**851 06NS 8 P S ***	37.00	91.00	19.30	4.00	6.50
10	**851 06NS 10 P S ***	37.00	101.00	22.00	4.00	7.00
12	**851 06NS 12 P S ***	37.00	114.00	26.30	4.00	7.00
14	**851 06NS 14 P S ***	37.00	125.00	29.50	4.00	7.00
16	**851 06NS 16 P S ***	42.00	144.00	32.70	6.00	11.0

Black anodized* See page 12 "obligatory specification". Example: 85106NS123P54

Note: all dimensions are in mm

Environmental connectors

Plug with long metallic adaptor and plastic cable gland with spiral protector



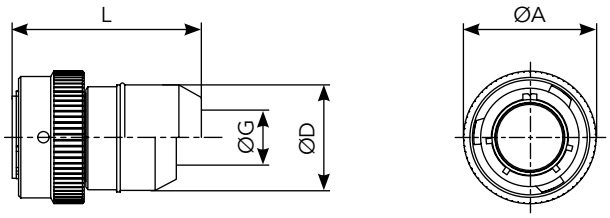
Shell size	Part numbers solder contacts	D maxi	E maxi	ØC maxi	ØG	
					mini	maxi
8	851 06NL 8 P S *	57.00	111.00	19.30	4.00	6.50
10	851 06NL 10 P S *	57.00	121.00	22.00	4.00	7.00
12	851 06NL 12 P S *	57.00	134.00	26.30	4.00	7.00
14	851 06NL 14 P S *	57.00	145.00	29.50	4.00	7.00
16	851 06NL 16 P S *	57.00	159.00	32.70	6.00	11.0

Black anodized* See page 12 "obligatory specification". Example: 85106NL123P54

Plug with straight backshell for potting

Cross reference

06 P	HE 301 B 06 P
	MS 3116 P
06 RP	HE 301 B 06 RP
	MS 3126 P

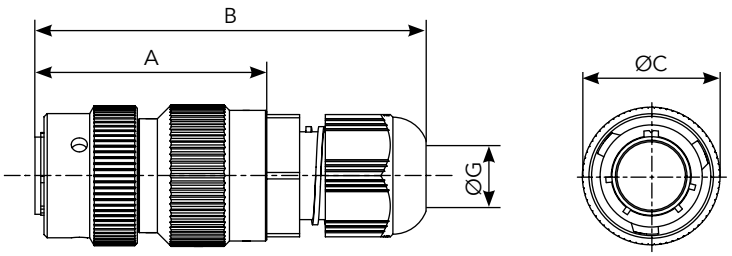


Shell size	Part numbers		L max		A max	D max	G
	solder contacts	crimp contacts	solder	crimp			
8	851 06 P 8 .. P S . 50..	851 06 RP 8 .. P S . 50 ..	36.20	42.10	19.05	15.34	10.46
10	851 06 P 10 .. P S . 50..	851 06 RP 10 .. P S . 50..	36.20	42.10	21.80	17.70	13.55
12	851 06 P 12 .. P S . 50..	851 06 RP 12 .. P S . 50..	36.20	42.10	26.15	21.69	13.96
14	851 06 P 14 .. P S . 50..	851 06 RP 14 .. P S . 50..	36.20	42.10	29.35	23.90	17.42
16	851 06 P 16 .. P S . 50..	851 06 RP 16 .. P S . 50..	36.20	42.10	32.50	27.00	20.56
18	851 06 P 18 .. P S . 50..	851 06 RP 18 .. P S . 50..	37.70	45.40	35.30	30.50	23.66
20	851 06 P 20 .. P S . 50..	851 06 RP 20 .. P S . 50..	42.40	50.00	38.85	33.65	23.92
22	851 06 P 22 .. P S . 50..	851 06 RP 22 .. P S . 50..	42.40	50.00	42.05	37.10	25.52
24	851 06 P 24 .. P S . 50..	851 06 RP 24 .. P S . 50..	42.85	50.00	45.10	40.00	32.00

Note: all dimensions are in mm

Environmental connectors

Plug with short metallic adaptor and plastic cable gland



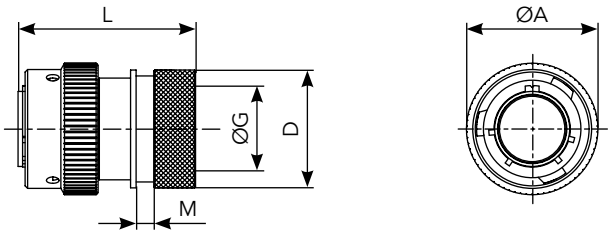
Shell size	Part numbers solder contacts	A maxi	B maxi	ØC maxi	ØG	
					mini	maxi
8	851 06S 8 P S *	37.00	61.00	19.30	4.00	5.00
10	851 06S 10 P S *	37.00	64.00	22.00	4.00	6.00
12	851 06S 12 P S *	37.00	66.00	26.30	4.00	7.00
14	851 06S 14 P S *	37.00	67.00	29.50	4.00	9.00
16	851 06S 16 P S *	42.00	75.00	32.70	6.00	12.00

Black anodized* See page 12 "obligatory specification". Example: 85106S123P54

Plug with straight backshell for heatshrink sleeving

Cross reference

06 T	
06 RT	VG 95328 J



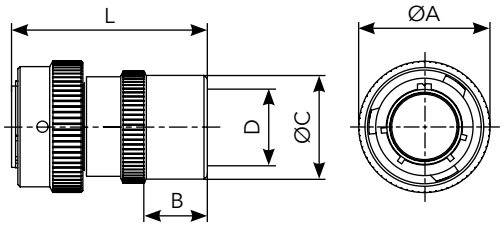
Shell size	Part numbers		L max		A max	D max	G max		M max
	solder contacts	crimp contacts	solder	crimp			Solder	Crimp	
8	851 06 T 8.. P S . 50..	851 06 RT 8.. P S . 50 ..	36.70	36.00	19.05	15.35	7.20	6.70	3.70
10	851 06 T 10.. P S . 50..	851 06 RT 10.. P S . 50..	36.70	36.00	21.80	18.15	10.20	9.40	3.70
12	851 06 T 12.. P S . 50..	851 06 RT 12.. P S . 50..	36.70	36.00	26.15	23.45	13.20	11.95	3.70
14	851 06 T 14.. P S . 50..	851 06 RT 14.. P S . 50..	36.70	36.00	29.35	24.25	16.10	15.15	3.70
16	851 06 T 16.. P S . 50..	851 06 RT 16.. P S . 50..	39.00	38.30	32.50	29.55	19.25	18.05	3.70
18	851 06 T 18.. P S . 50..	851 06 RT 18.. P S . 50..	39.00	38.30	35.30	31.75	21.30	19.95	3.70
20	851 06 T 20.. P S . 50..	851 06 RT 20.. P S . 50..	44.00	42.90	38.85	35.85	24.40	23.05	3.70
22	851 06 T 22.. P S . 50..	851 06 RT 22.. P S . 50..	44.00	42.90	42.05	38.20	27.50	25.55	3.70
24	851 06 T 24.. P S . 50..	851 06 RT 24.. P S . 50..	42.70	41.60	45.10	41.30	30.60	28.65	3.70

Note: all dimensions are in mm

Environmental connectors

Plug with straight adaptor for electrical pitch access

The Z type special adaptor which equips crimp plug 851 06 RZ fits following accessories.
- Packing gland collet backshell
- Backshell for polyflex sleeving
- Backshell for C.N.O.M.O. tube

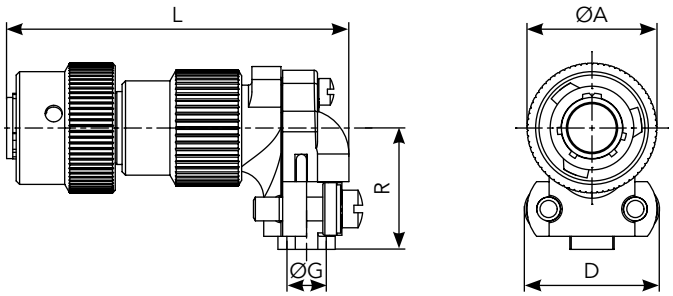


Shell size	Part numbers		L max		A max	B max	C max	D threading PE
	solder contacts	crimp contacts	solder	crimp				
8	-	-	-		-	-	-	-
10	-	-	-		-	-	-	-
12	851 06 Z 12 .. ℘ . 50..	851 06 RZ 12 .. ℘ . 50..	43.00		26.15	9.10	24.80	11
14	851 06 Z14 .. ℘ . 50..	851 06 RZ 14 .. ℘ . 50..	45.00		29.35	11.00	28.80	16
16	851 06 Z 16 .. ℘ . 50..	851 06 RZ 16 .. ℘ . 50..	45.00		32.50	11.00	30.80	16
18	851 06 Z 18 .. ℘ . 50..	851 06 RZ 18 .. ℘ . 50..	46.00		35.30	12.00	40.80	21
20	851 06 Z 20 .. ℘ . 50..	851 06 RZ 20 .. ℘ . 50..	46.50		38.85	12.00	40.80	21
22	851 06 Z 22 .. ℘ . 50..	851 06 RZ 22 .. ℘ . 50..	46.50		42.05	12.00	40.80	21
24	851 06 Z24 .. ℘ . 50..	851 06 RZ 24 .. ℘ . 50..	65.50		45.10	31.40	45.00	29

Plug with elbow cable clamp backshell

Cross reference

08 EC	HE 301 B 08 EC
08 RC	HE 301 B 08 RC



Shell size	Part numbers		L max		A max	D max	G	R max
	solder contacts	crimp contacts	solder	crimp				
8	851 08 EC 8 .. ℘ . 50..	851 08 RC 8 .. ℘ . 50..	50.10		19.05	19.70	3.50	16.00
10	851 08 EC 10 .. ℘ . 50..	851 08 RC 10 .. ℘ . 50..	52.60		21.80	21.20	5.00	18.00
12	851 08 EC 12 .. ℘ . 50..	851 08 RC 12 .. ℘ . 50..	54.90		26.15	24.20	8.20	19.50
14	851 08 EC 14 .. ℘ . 50..	851 08 RC 14 .. ℘ . 50..	58.50		29.35	27.50	10.00	22.00
16	851 08 EC 16 .. ℘ . 50..	851 08 RC 16 .. ℘ . 50..	60.80		32.50	29.10	13.00	23.50
18	851 08 EC 18 .. ℘ . 50..	851 08 RC 18 .. ℘ . 50..	65.00		35.30	35.70	16.00	25.00
20	851 08 EC 20 .. ℘ . 50..	851 08 RC 20 .. ℘ . 50..	69.10		38.85	35.70	16.00	26.50
22	851 08 EC 22 .. ℘ . 50..	851 08 RC 22 .. ℘ . 50..	71.00		42.05	39.70	19.30	28.00
24	851 08 EC 24 .. ℘ . 50..	851 08 EC 24 .. ℘ . 50..	75.50		45.10	43.50	20.60	31.00

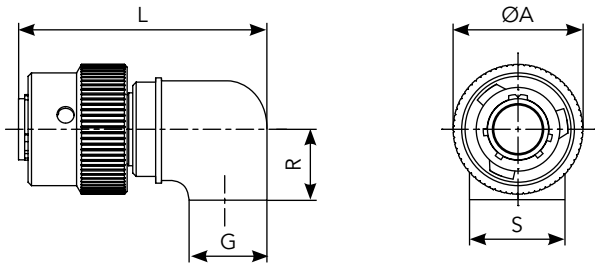
Note: all dimensions are in mm

Environmental connectors

Plug with elbow backshell for potting

Cross reference

08 P	HE 301 B 08 P
08 RP	HE 301 B 08 RP

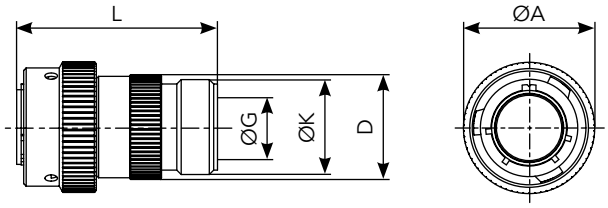


Shell size	Part numbers		L max		A max	G max	R max	S max
	solder contacts	crimp contacts	solder	crimp				
8	851 08 P 8 .. P S . 50..	851 08 RP 8 .. P S . 50..	40.70		19.05	8.10	11.70	11.30
10	851 08 P 10 .. P S . 50..	851 08 RP 10 .. P S . 50..	44.90		21.80	11.30	14.35	14.50
12	851 08 P 12 .. P S . 50..	851 08 RP 12 .. P S . 50..	46.90		26.15	13.30	15.90	17.70
14	851 08 P 14 .. P S . 50..	851 08 RP 14 .. P S . 50..	49.20		29.35	16.10	16.30	20.10
16	851 08 P 16 .. P S . 50..	851 08 RP 16 .. P S . 50..	50.60		32.50	16.90	19.30	22.80
18	851 08 P 18 .. P S . 50..	851 08 RP 18 .. P S . 50..	51.80		35.30	18.10	20.60	25.60
20	851 08 P 20 .. P S . 50..	851 08 RP 20 .. P S . 50..	53.70		38.85	19.70	21.90	28.80
22	851 08 P 22 .. P S . 50..	851 08 RP 22 .. P S . 50..	54.80		42.05	20.80	23.50	31.60
24	851 08 P 24 .. P S . 50..	851 08 RP 24 .. P S . 50..	58.20		45.10	24.20	30.15	35.20

Shielded plug with straight adaptor

Cross reference

36 A	
36 RA	VG 95328 N



Shell size	Part numbers		L max		A max	D max	G max	F *threading* UNEF 2A
	solder contacts	crimp contacts	solder	crimp				
8	851 36 A 8 .. P S . 50..	851 36 RA 8 .. P S . 50..	41.00		19.05	14.50	9.10	1/2 28
10	851 36 A 10 .. P S . 50..	851 36 RA 10 .. P S . 50..	41.00		21.80	18.70	12.08	5/8 24
12	851 36 A 12 .. P S . 50..	851 36 RA 12 .. P S . 50..	41.00		26.15	21.70	15.25	3/4 20
14	851 36 A 14 .. P S . 50..	851 36 RA 14 .. P S . 50..	41.00		29.35	25.10	18.15	7/8 20
16	851 36 A 16 .. P S . 50..	851 36 RA 16 .. P S . 50..	41.00		32.50	28.13	21.32	1-20
18	851 36 A 18 .. P S . 50..	851 36 RA 18 .. P S . 50..	41.00		35.30	31.38	24.32	1-3/16 18
20	851 36 A 20 .. P S . 50..	851 36 RA 20 .. P S . 50..	43.30		38.85	34.30	26.73	1-3/16 18
22	851 36 A 22 .. P S . 50..	851 36 RA 22 .. P S . 50..	43.30		42.05	37.60	30.67	1-7/16 18
24	851 36 A 24 .. P S . 50..	851 36 RA 24 .. P S . 50..	43.50		45.10	40.70	33.08	1-7/16 18

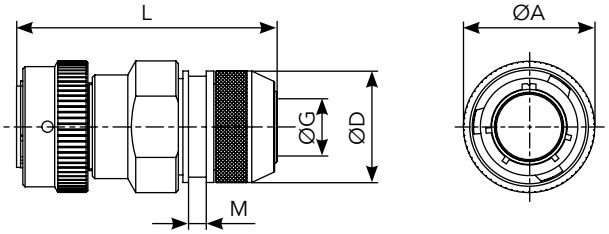
Note: all dimensions are in mm

Environmental connectors

Shielded plug with removable straight backshell for screen termination and heatshrink sleeving

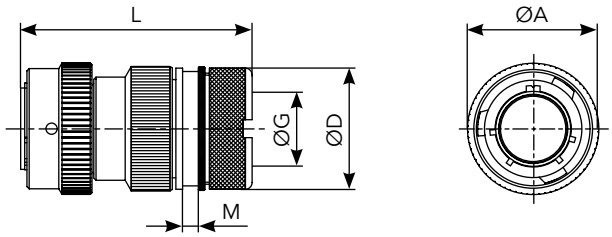
Cross reference

36 G	
36 RG	VG 95328 M



Shell size	Part numbers		L max		A max	D max	G max	M max
	solder contacts	crimp contacts	solder	crimp				
8	851 36 G 8 .. P S . 50..	851 36 RG 8 .. P S . 50..	54.00		19.05	16.30	7.45	3.60
10	851 36 G10 .. P S . 50..	851 36 RG 10 .. P S . 50..	54.00		21.80	18.30	10.30	3.60
12	851 36 G 12 .. P S . 50..	851 36 RG 12 .. P S . 50..	54.00		26.15	22.30	13.20	3.60
14	851 36 G 14 .. P S . 50..	851 36 RG 14 .. P S . 50..	54.00		29.35	25.30	16.50	3.60
16	851 36 G 16 .. P S . 50..	851 36 RG 16 .. P S . 50..	54.00		32.50	28.30	19.35	3.60
18	851 36 G 18 .. P S . 50..	851 36 RG 18 .. P S . 50..	54.00		35.30	32.30	21.60	3.60
20	851 36 G 20 .. P S . 50..	851 36 RG 20 .. P S . 50..	58.00		38.85	34.30	24.80	3.60
22	851 36 G 22 .. P S . 50..	851 36 RG 22 .. P S . 50..	58.00		42.05	38.30	27.90	3.60
24	851 36 G 24 .. P S . 50..	851 36 RG 24 .. P S . 50..	58.00		45.10	41.30	31.00	3.60

Shielded plug with removable straight backshell for screen termination and heatshrink sleeving (38 & 42 suffix)



Shell size	Part numbers		L max		A max	D max	G max	M max
	solder contacts	crimp contacts	solder	crimp				
8	851 36 T 8 .. P S . 50.. 38 42	851 36 RT 8 .. P S . 50..	51.60		19.05	18.25	7.45	3.70
10	851 36 T 10 .. P S . 50.. 38 42	851 36 RT 10 .. P S . 50..	51.60		21.80	20.25	9.00	3.70
12	851 36 T 12 .. P S . 50.. 38 42	851 36 RT 12 .. P S . 50..	51.60		26.15	24.75	13.30	3.70
14	851 36 T 14 .. P S . 50.. 38 42	851 36 RT 14 .. P S . 50..	51.60		29.35	27.75	16.50	3.70
16	851 36 T 16 .. P S . 50.. 38 42	851 36 RT 16 .. P S . 50..	51.60		32.50	30.05	18.50	3.70
18	851 36 T 18 .. P S . 50.. 38 42	851 36 RT 18 .. P S . 50..	52.00		35.30	34.15	21.90	3.70
20	851 36 T 20 .. P S . 50.. 38 42	851 36 RT 20 .. P S . 50..	53.90		38.85	37.25	25.10	3.70
22	851 36 T 22 .. P S . 50.. 38 42	851 36 RT 22 .. P S . 50..	53.90		42.05	40.45	28.20	3.70
24	851 36 T 24 .. P S . 50.. 38 42	851 36 RT 24 .. P S . 50..	53.90		45.10	43.65	31.40	3.70

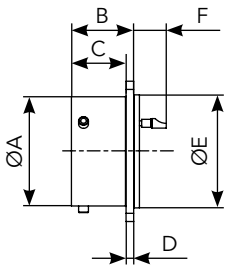
Note: all dimensions are in mm

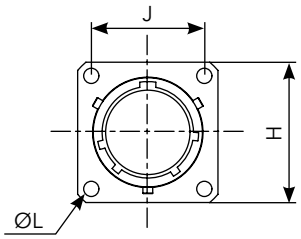
Hermetic connectors

Square flange receptacle

Cross reference

02 H	HE 301 B 02 H



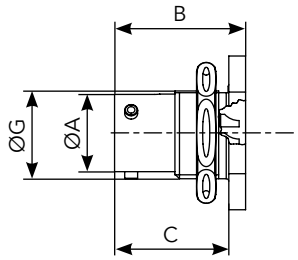


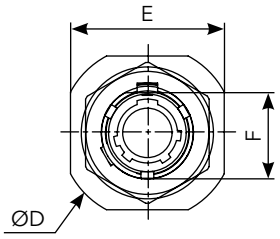
Shell size	Part numbers	A max	B	C	D	E	F max	H max	J	L
8	851 02 H 8 .. P S . 50..	12.03	13.84	11.24	1.55	14.27	7.5	21.03	15.09	3.15
10	851 02 H 10 .. P S . 50..	15.01	13.84	11.24	1.55	17.07	7.5	24.23	18.26	3.15
12	851 02 H 12 .. P S . 50..	19.07	13.84	11.24	1.55	19.84	7.5	26.59	20.62	3.15
14	851 02 H 14 .. P S . 50..	22.25	13.84	11.24	1.55	23.01	7.5	28.98	23.00	3.15
16	851 02 H 16 .. P S . 50..	25.42	13.84	11.24	1.55	26.19	7.5	31.34	24.61	3.15
18	851 02 H 18 .. P S . 50..	28.60	13.84	11.24	1.55	29.36	7.5	33.73	26.97	3.15
20	851 02 H 20 .. P S . 50..	31.77	15.42	12.00	2.36	31.75	7.5	36.91	29.36	3.15
22	8851 02 H 22 .. P S . 50..	34.95	16.23	12.00	2.36	34.92	7.5	40.10	31.75	3.15
24	851 02 H 24 .. P S . 50..	38.12	17.04	12.81	2.36	38.10	6.7	43.27	34.92	3.82

Jam nut receptacle

Cross reference

07 H	HE 301 B 07 H
	MS 3114 H
	VG 95328 F





Shell size	Part numbers	A max	B max	C	D max	E max	F	G max
8	851 07 H 8 .. P S . 50..	12.03	20.60	17.93	27.37	24.07	13.33	14.26
10	851 07 H 10 .. P S . 50..	15.01	20.60	17.93	30.57	27.22	16.51	17.43
12	851 07 H 12 .. P S . 50..	19.07	20.60	17.93	35.32	32.00	20.63	22.19
14	851 07 H 14 .. P S . 50..	22.25	20.60	17.93	38.50	35.17	23.78	25.36
16	851 07 H 16 .. P S . 50..	25.42	20.60	17.93	41.67	38.35	26.93	28.54
18	851 07 H 18 .. P S . 50..	28.60	20.60	17.93	44.85	41.52	30.10	31.71
20	851 07 H 20 .. P S . 50..	31.77	26.15	22.70	49.62	46.27	33.28	34.89
22	8851 07 H 22 .. P S . 50..	34.95	26.15	22.70	52.77	49.47	36.45	38.06
24	851 07 H 24 .. P S . 50..	38.12	26.98	23.54	55.97	52.62	39.63	41.24

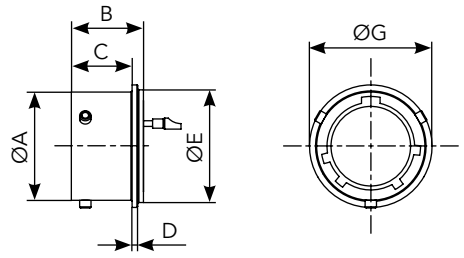
Note: all dimensions are in mm

Hermetic connectors

Solder fixing receptacle

Cross reference

IH	HE 301 B 1H
	MS 3113 H
	VG 95328 G

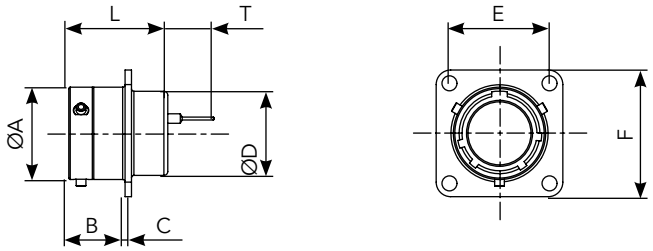


Shell size	Part numbers	A max	B	C	D	E	F max	G max
8	851 IH 8 .. P S . 50..	12.03	13.84	10.70	0.80	14.27	8.60	16.40
10	851 IH 10 .. P S . 50..	15.01	13.84	10.70	0.80	17.07	8.60	19.40
12	851 IH 12 .. P S . 50..	19.07	13.84	10.70	0.80	19.84	8.60	21.80
14	851 IH 14 .. P S . 50..	22.25	13.84	10.70	0.80	23.01	8.60	25.00
16	851 IH 16 .. P S . 50..	25.42	13.84	10.70	0.80	26.19	8.60	28.10
18	851 IH 18 .. P S . 50..	28.60	13.84	10.70	0.80	29.36	8.60	31.30
20	851 IH 20 .. P S . 50..	31.77	15.42	12.70	0.80	31.75	8.60	33.70
22	8851 IH 22 .. P S . 50..	34.95	16.23	12.70	0.80	34.92	8.60	36.90
24	851 IH 24 .. P S . 50..	38.12	17.04	13.10	0.80	38.10	7.80	40.10

Note: all dimensions are in mm

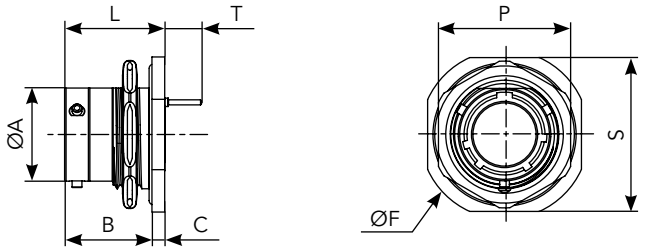
PC Tail connectors

Square flange receptacle



Shell size	Part numbers	A	B max	C max	Ø D max	E	F max	J	L max	T +1.25 0
8	851 02 E 8.. P S .50.. 16 40	12.03	11.70	1.32	10.84	15.09	20.99	3.13	20.50	9.46
10	851 02 E 10.. P S .50.. 16 40	15.01	11.70	1.32	13.99	18.26	24.19	3.13	20.50	9.46
12	851 02 E 12.. P S .50.. 16 40	19.07	11.70	1.32	17.37	20.62	26.54	3.13	20.50	9.46
14	851 02 E 14.. P S .50.. 16 40	22.25	11.70	1.32	20.57	23.00	28.89	3.13	20.50	9.46
16	851 02 E 16.. P S .50.. 16 40	25.42	11.70	1.32	23.62	24.61	31.29	3.13	20.50	9.46
18	851 02 E 18.. P S .50.. 16 40	28.60	11.70	1.32	26.69	26.97	33.69	3.13	20.50	9.46
20	851 02 E 20.. P S .50.. 16 40	31.77	14.35	2.15	29.89	29.36	36.89	3.13	23.80	7.76
22	851 02 E 22.. P S .50.. 16 40	34.95	14.35	2.15	33.04	31.75	39.99	3.13	23.80	7.76
24	851 02 E 24.. P S .50.. 16 40	38.12	15.20	2.15	36.24	34.92	43.15	3.81	23.80	7.76

Jam nut receptacle



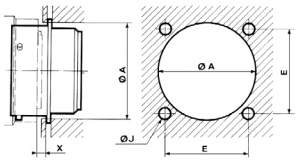
Shell size	Part numbers	A	B max	C max	F max	L max	P max	S max	T +1.25 0
8	851 07 A 8.. P S .50.. 16 40	12.03	17.90	2.64	26.94	20.64	19.29	23.94	9.46
10	851 07 A 10.. P S .50.. 16 40	15.01	17.90	2.64	30.14	20.64	22.38	26.95	9.46
12	851 07 A 12.. P S .50.. 16 40	19.07	17.90	2.64	34.94	20.64	27.13	31.74	9.46
14	851 07 A 14.. P S .50.. 16 40	22.25	17.90	2.64	38.04	20.64	30.33	34.94	9.46
16	851 07 A 16.. P S .50.. 16 40	25.42	17.90	2.64	41.26	20.64	33.48	38.24	9.46
18	851 07 A 18.. P S .50.. 16 40	28.60	17.90	2.64	44.44	20.64	36.68	41.34	9.46
20	851 07 A 20.. P S .50.. 16 40	31.77	22.45	3.44	49.14	25.99	39.83	46.04	8.49
22	851 07 A 22.. P S .50.. 16 40	34.95	22.45	3.44	52.24	25.99	43.03	49.24	8.49
24	851 07 A 24.. P S .50.. 16 40	38.12	23.30	3.44	55.54	26.84	46.18	52.74	7.79

Note: all dimensions are in mm

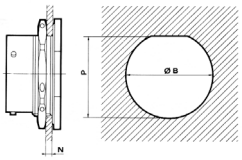
Panel cut out

Receptacle

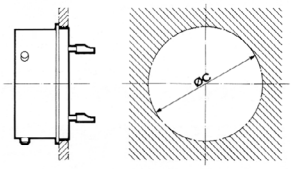
Square flange receptacle



Jam nut receptacle



Solder fixing receptacle



Shell size	A±0.1	B±0.1	C±0.1	E±0.15	J±0.15	N		P±0.1	X min
						min	max		
8	15.55	14.60	14.70	15.10	3.15	1.57	3.17	13.75	2.90
10	18.80	17.75	17.50	18.26	3.15	1.57	3.17	16.95	2.90
12	22.15	22.50	20.20	20.62	3.15	1.57	3.17	21.50	2.90
14	25.30	25.70	23.40	23.00	3.15	1.57	3.17	24.20	2.90
16	28.45	28.85	26.60	24.60	3.15	1.57	3.17	27.35	2.90
18	31.65	32.05	29.80	26.97	3.15	1.57	3.17	30.55	2.90
20	34.80	35.20	32.10	29.36	3.15	1.57	6.35	33.70	5.50
22	38.00	38.40	35.30	31.75	3.15	1.57	6.35	36.90	5.50
24	41.20	41.55	38.40	34.92	3.82	1.57	6.35	40.05	5.50

Note: all dimensions are in mm

Push-pull locking plug

General characteristics

- Locking: by pushing on the coupling nut
- Unlocking: by pulling a lanyard
- Mounted: on all 851 receptacles
- Layouts and crimp solder contacts: (see pages 14 & 15)
- Black nylon cord with total lenght of 106 mm (for other lenght, please consult us)

Ordering information

Basic Series	856	06	E	8	3A	P	-	50	--

Shell type:

06	plug for use with straight backshell
08	plug for use with 90° backshell

Backshell type:

Solder	Crimp	
E	**R**	backnut
EC	**RC**	straight cable clamp
A	**RA**	straight adaptor
P	**RP**	straight backshell for potting
T	**RT**	straight backshell for heatshrink sleeving
M	**RM**	straight removable backshell for heatshrink sleeving
EC	**RC**	90° cable clamp

Shell size:
8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24

Contacts layout:
see pages 14 & 15

Contact type:

P	male
S	female

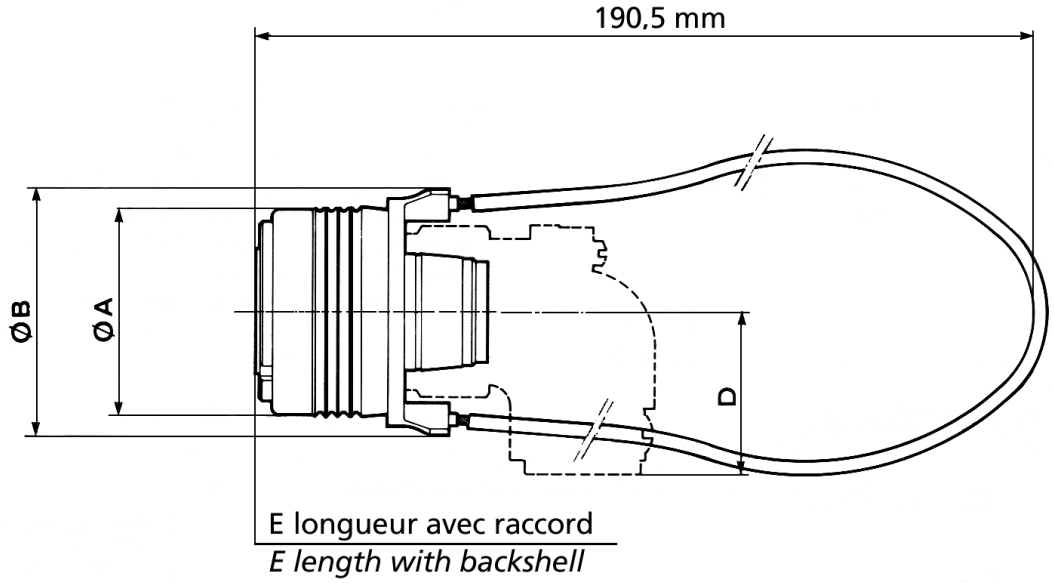
Orientation:
Normal (not included in part number). For others note: W, X, Y, Z - see table page 74

Obligatory suffix
50

Specification

07	olive-green Cadmium plating (solder version)
08	Olive Green Cadmium plating (crimp version)
09	white Cadmium plating (crimp and solder version)

Push-pull locking plug



		Shell size								
Backshell type	**Dimension**	**8**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**
All	A	19.50	22.80	27.30	30.80	34.00	37.00	41.00	44.50	49.20
All	B	24.95	28.25	32.55	36.05	39.05	42.05	45.80	49.20	53.45
06 R	E	32.00	32.00	32.00	32.00	32.00	32.00	31.80	31.80	31.80
06 RC	E	47.30	47.30	47.30	47.30	50.50	50.50	49.90	49.90	49.90
06 RP	E	42.10	42.10	42.10	42.10	42.10	45.40	49.80	49.80	49.80
06 RA	E	41.00	41.00	41.00	41.00	41.00	41.00	43.00	43.00	43.20
06 RM	E	50.00	50.00	50.00	50.00	50.00	50.00	51.70	51.70	51.70
06 RT spécifications 38 or 42	E	50.00	50.00	50.00	50.00	50.00	50.00	51.70	51.70	51.70
08RC	E	50.10	52.60	54.90	58.50	60.80	65.00	68.80	71.20	76.20
	D max	16.00	18.00	19.50	22.00	23.50	25.00	26.50	28.00	31.00

Note: For backshells dimensioning, refer to values given in preceding pages

Note: all dimensions are in mm

8F51 filter connectors

General information

These connectors are derived from standard specifications
MIL-DTL-26482 G series 1 - NFC 93422 (HE 301 B) - VG 95328.

They are intermountable and intermateable with standard connectors.

Different types of filters may be fitted in these connectors to eliminate RFI/EMI in different frequency ranges.

Using built-in High Performance EMI filters offers the following advantages:
• Efficient filtering on interferences at electronic equipment input or output,
• Case screen-shielding efficiency is maintained,
• Cost and volume saving as compared with the use of discrete filters wired down the line,
• 4 types of standard filters are available - Please consult us for other capacitance and filter types,
• Combinations of mixed filter in the same layout: filtered, non-filtered and grounded contacts available.

An adaptor version is also a simple technique to equip existing systems which do not incorporate filters.

Electrical characteristics

• Max. current rating per contact: 7.5 A (#20), 13 A (#16)
• Max. operating voltage: 200 Vdc, 120 Vac
• Standard filter types: C, Pi
• Capacitance range: typically 500 pF - 200 nF
• Filter performance: up to -60dB / -80dB

For this product, consult our FILTER CONNECTOR department.

851 SERIES

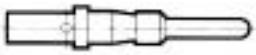
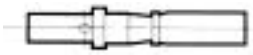
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Contacts & Accessories

- Crimp contacts 56
- Caps / Ordering information 57
- Plastic protective caps 59
- Filler plugs 59
- Dummy receptacle 60
- Gaskets 60

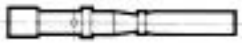
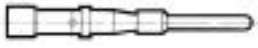
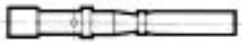
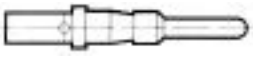
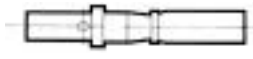
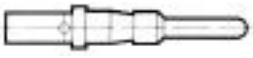
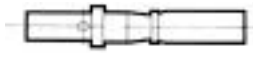
Crimp contacts

Standard version

Contact size	Specification	Wire size		Part number		insulator Ø	
		AWG	mm²	Male	Female	min.	max.
#20 Ø1 mm	For layouts 8-2, 8-3, 8-4 & 12-14	24-18	0.21-0.93	8500-9573* 	8500-9213 900* 	1.20	2.11
	For further contact layout	24-18	0.21-0.93	8500-697 	8500-1758A 900 	1.20	2.11
	Reducing sleeve	30-24	0.06-0.21	8500-781 B1 		-	-
#16 Ø1.6 mm	-	18-14	0.93-1.91	8500-1300 	8500-9331 900 	1.60	2.80
	Reducing sleeve	20	0.60	8500-1985 B1 		-	-

* : Not to be used with reducing sleeve

Thermocouple version

Contact size	Specification	Wire size		Part number		insulator Ø	
		AWG	mm²	Male	Female	min.	max.
#20 Ø1 mm	Chromel	24-18	0.21-0.93	8500-809 A 	8500-2054 900 	1.20	2.11
	Alumel	24-18	0.21-0.93	8500-812 A 	8500-2055 900 	1.20	2.11
#16 Ø1.6 mm	Chromel	18-14	0.93-1.91	8500-1053 	8500-1054 900 	1.60	2.80
	Alumel	18-14	0.93-1.91	8500-1058 	8500-1059 900 	1.60	2.80

Note: all dimensions are in mm

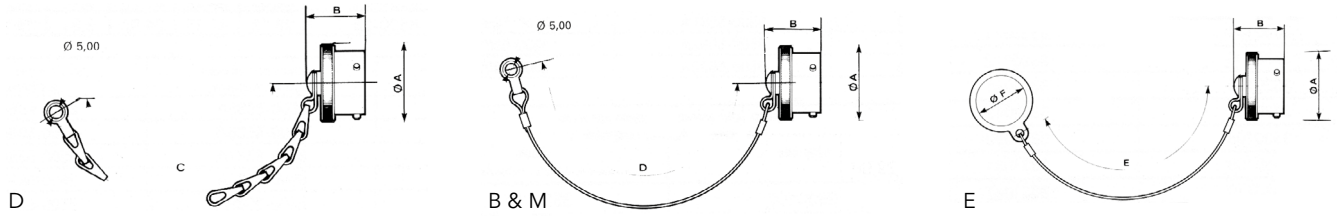
Caps / Ordering information

Basic Series								**8500**	**05**	**--**
Shell type:	**8**	**10**	**12**	**14**	**16**	**18**	**20**	**22**	**24**	
Part numbers for receptacle	**02**	**03**	**04**	**05**	**27**	**06**	**07**	**08**	**09**	
Part numbers for plug	**10**	**11**	**12**	**13**	**28**	**14**	**15**	**16**	**17**	
Specifications: For cap & plating, see table below										

Type and plating

Cap type	Receptacle cap				Plug cap			
	Olive Green Cadmium	White Cadmium	Black Anodised	Nickel	Olive Green Cadmium	White Cadmium	Black Anodised	Nickel
Cap with chain and ring	D	02 D	29 D	44 D	D	02 D	29 D	44 D
Cap with nylon cord and ring	B	02 B	29 B	44 B	B	02 B	29 B	44 B
Cap with nylon cord and washer (shell 10, 12 , 14, 16 & 18)	-	-	-	-	E	-	-	-
Cap with nylon cord and washer	H	-	-	44 H	-	-	-	-
Cap with chain and washer	J	-	-	-	-	-	-	-
Cap 500hr salt spray	JQ7	-	-	-	-	-	-	-
Cap without chain	M	-	-	-	M	-	-	-

Caps for plugs



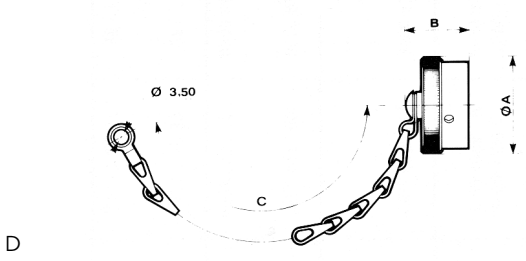
D B & M E

Shell size	Ø A max	B max	C^{+6}_{0}	D^{+2}_{0}	E	Ø F
8	16.80	19.84	132	128	consult us	consult us
10	19.80	19.84	132	128	132	14.00
12	23.90	19.84	148	140	148	17.60
14	27.00	19.84	148	140	148	20.80
16	30.20	19.84	148	140	148	25.60
18	33.40	19.84	148	140	148	28.70
20	36.50	21.44	168	153	consult us	consult us
22	39.80	21.44	168	153	consult us	consult us
24	42.90	22.22	168	153	consult us	consult us

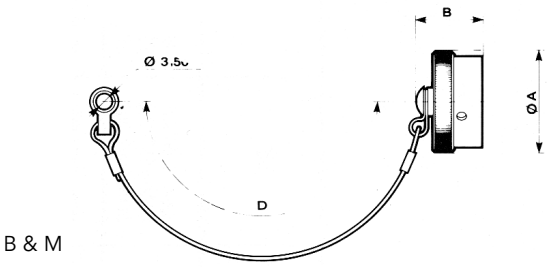
Note: all dimensions are in mm

Caps

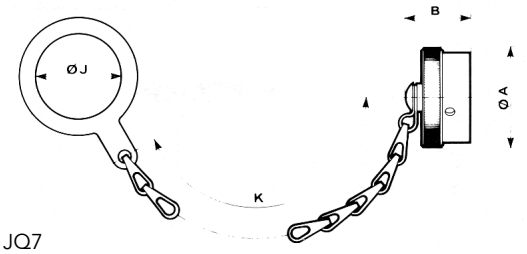
Caps for receptacles



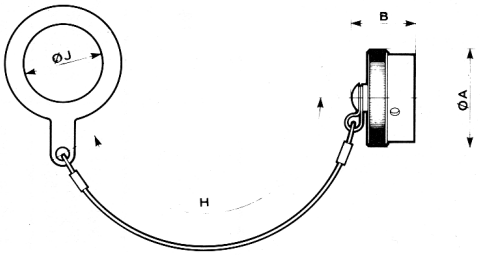
D



B & M



J & JQ7



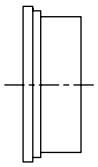
H

Shell size	Ø A max	B max	C^{+6}_{0}	D^{+2}_{0}	J max	H^{+2}_{0}	K^{+6}_{0}
8	19.00	21.44	84	77	14.80	80	84
10	21.80	21.44	84	77	17.90	80	84
12	26.10	21.44	100	89	22.70	90	100
14	29.30	21.44	100	89	25.90	90	100
16	32.50	21.44	100	89	29.00	90	100
18	35.30	21.44	100	89	32.20	90	100
20	38.80	21.44	116	102	35.40	110	116
22	42.00	21.44	116	102	38.60	110	116
24	45.10	22.22	116	102	41.70	110	116

Note: all dimensions are in mm

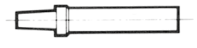
Accessories

Plastic protective caps for receptacles and plugs



Shell size	Caps for receptacles	Caps for plugs
8	8500-5585 A	8500-5594
10	8500-5586 A	8500-5595
12	8500-5587 A	8500-5596
14	8500-5588 A	8500-5597
16	8500-5589 A	8500-5598
18	8500-5590 A	8500-5599
20	8500-5591 A	8500-5600
22	8500-5592 A	8500-5601
24	8500-5593 A	8500-5602

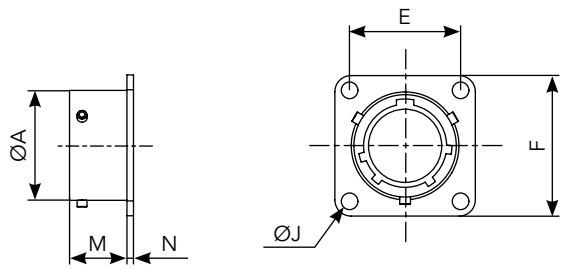
Filler plugs

Contact size	Part number	Color
#20 Ø1 mm	**8500-4144** 	grey
	8500-4144 A (MS 3187 A 20) 	red
#16 Ø1.6 mm	**8500-479** 	blue
	8500-4267 (MS 3187-16) 	

Note: all dimensions are in mm

Accessories

Dummy receptacles



Shell size	Part numbers	A	C max	E	J	M max	N max
8	8500-18	12.03	20.99	15.09	3.13	11.70	1.32
10	8500-19	15.01	24.19	18.26	3.13	11.70	1.32
12	8500-20	19.07	26.54	20.62	3.13	11.70	1.32
14	8500-21	22.25	28.89	23.00	3.13	11.70	1.32
16	8500-26	25.42	31.29	24.61	3.13	11.70	1.32
18	8500-22	28.60	33.69	26.97	3.13	11.70	1.32
20	8500-23	31.77	36.89	29.36	3.13	14.35	2.15
22	8500-24	34.95	39.99	31.75	3.13	14.35	2.15
24	8500-25	38.12	43.15	34.92	3.81	15.20	2.15

Gaskets

Shell size	Gaskets for square flange receptacle		Gaskets for jam nut receptacle	
	Néoprène	Fairprène	Néoprène	Vitton
8	8500-275	8500-4164	3330102	3330675
10	8500-276	8500-4165	3330103	3330670
12	8500-277	8500-4166	3330104	3330671
14	8500-278	8500-4167	3330105	3330672
16	8500-283	8500-4168	3330106	3331048
18	8500-279	8500-4169	3330107	3331049
20	8500-280	8500-4170	3330108	3331050
22	8500-281	8500-4171	3330109	3331051
24	8500-282	8500-4172	3330110	3331052

Note: all dimensions are in mm

Notes

851 SERIES

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Technical Information

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- Stripping instruction 66
- Crimping instruction 66
- Crimp contact insertion 67
- Crimp contact extraction 67
- Drilling pattern 68
- Discrimination / Keying methods 74

Tooling

Crimp tooling - Contact #20 & 16



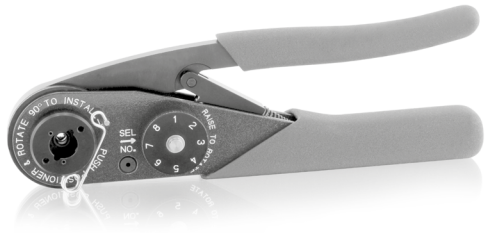
Part number
8365 (M 22520/1-01)

Locator - Contact #20 & 16



Part number
8365-02 (M 22520/1-02)

Crimp tooling - Contact #20



Part number
8476-01 (M 22520/2-01)

Locator - Contact #20



Part number
8476-02 (M 22520/2-02)

Insertion tools - Crimp contact

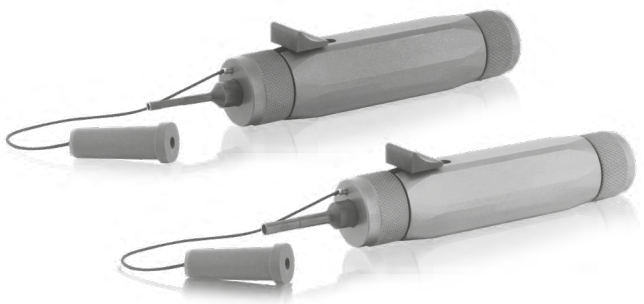


Part number
8500-29B*

* Except 8-2, 8-3, 8-4, 12-14 contact layouts: insertion tool 8500-93B

Tooling

Extraction tools - Crimp contact



Part number #20	Part number #16
8500-36A	8500-38A

Strap backshell



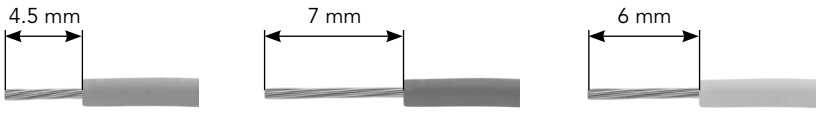
Part number
8498-04

Stripping instructions

• This operation should be carried out with great care. Use stripping pliers which are in good condition and which are designed for use with the size of wire being stripped.
• In order to maintain the connector's excellent sealing characteristics and, at the same time, meet the highest cabling standards the wires should have the following external sheath dimensions:

Contacts size	Ø over sheath	
	min.	max.
20	1.20	2.11
16	1.60	2.80

• Recommended loading:
  - 050 % with max. diam. wires
  - 050 % with min. diam. wires
  - 100 % with medium size wires.
• Size 20 contacts for cables:
  - when Ø over insulation ≤ 2 mm strip to a 4.5 mm length
  - when Ø over insulation > 2 mm strip to a 7 mm length.
• Size 16 contacts, strip the cable to a length of 6 mm.



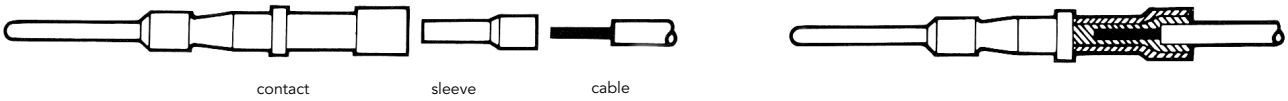
Cable-contact assembly

• Insert the wire into the crimp barrel and ensure that it has penetrated correctly by checking that it may be seen through the lateral hole in the barrel.



Reducing sleeve

• If a wire with a cross sectional area of less than 0.21 mm² is used with a size 20 contact, it will be necessary to use a reducing sleeve: ref. 8500-781.
• Wires of cross sectional area of 0.6 mm² may be used with size 16 contacts by using a reducing sleeve, ref. 8500-1985.



Crimping instructions



• With crimping pliers MS 22520/1-01 SOURIAU part number 8365 and turret MS 22520/1-02 8365-02:
  - «red» position for size 20 contacts
  - «blue» position for size 16 contacts.

• With crimping pliers MS 22520/2-01 SOURIAU part number 8476-01 and locator MS 22520/2-02 8476-02:
  - for size 20 contacts only.

Note: not be used with reducing sleeve.

Squeeze pliers firmly until a click is heard, the pliers should spring open when the ratched mechanism is released.
• Hold indentor side up-insert the wire-contact assembly or mire-reducing sleeve-contact assembly between the four indentors, ensuring that the contact bottoms in the locator.
• Fully close the jaws, once the contact is crimped the pliers must spring open remove wire + crimped contact, check crimp aspect.



Crimp contact insertion



First disassemble and slide connector rear accessory over cables.

Insertion tools
- Pliers 8500-29B.
- Except 8-2, 8-3, 8-4, 12-14 contact layouts: tool 8500-93B

Use of insertion tools
Manually insert the contact into the desired insert cavity.
- Insert the wire between the pliers jaws, the tip of the jaws butting the contact shoulder.

Introduce contacts one by one in insert cavities pushing straight in until the contact snaps into position and the clip ensures contact retention.

Filler plugs
Where certain contacts are unwired and where it is necessary to fully maintain the connector's sealing characteristics, a filler plug must be used. Note that the contact must be inserted before the filler plug.



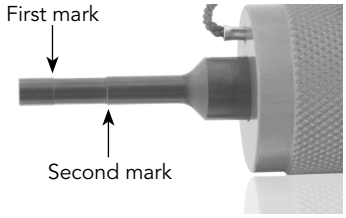
Crimp contact extraction



All contacts for use in insulators with clips are extracted using a semi-automatic tool:
- size 20 contacts: tool type 8500-36A
- size 16 contacts: tool type 8500-38A.

First dissassemble and slide connector rear accessory over cables.
- Do not operate the tool slide button.
- Bring the tool tip over the male or female contact to be removed from connector front (mating face) as far as the first mark for male contacts and the second mark for female contacts.

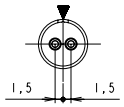
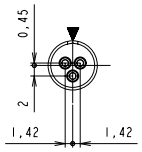
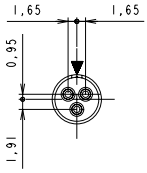
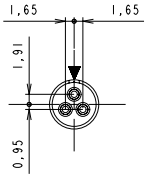
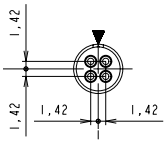
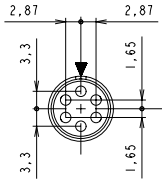
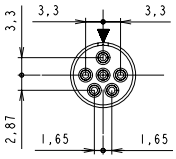
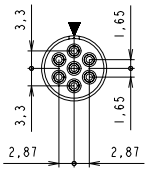
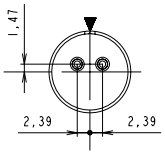
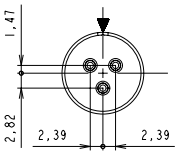
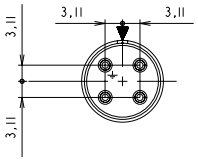
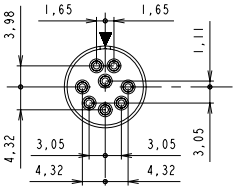
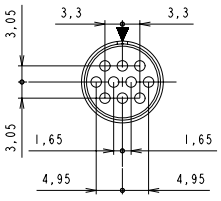
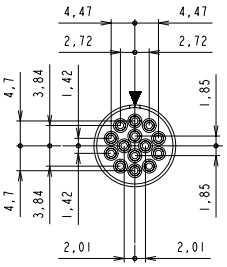




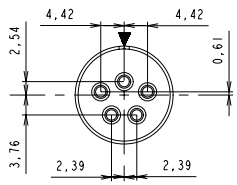
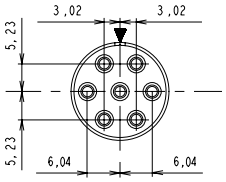
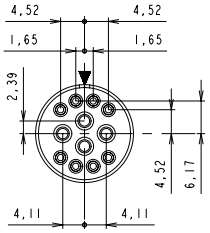
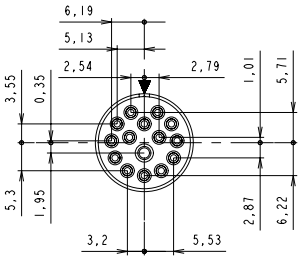
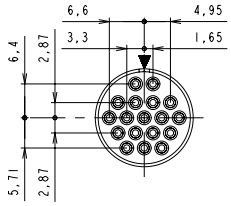
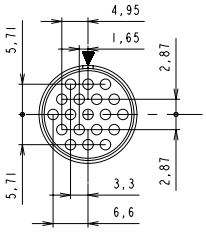
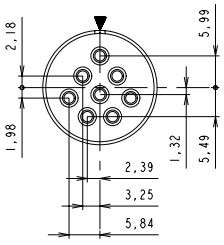
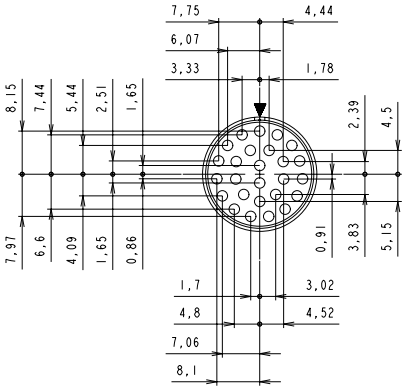
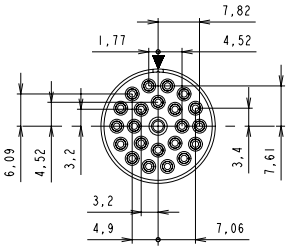
- This operation, should be carried out delicately in a direction parallel to the contact centre line with a light turning action.
- Extract contact pushing the slide button fully forward, carefully remove tool and pull wire to release the wire-contact assembly.

Note: tools have an adjustable spring system (rear knurled knob) also for automatic contact disengagement.

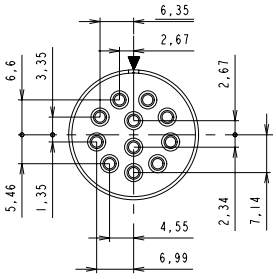
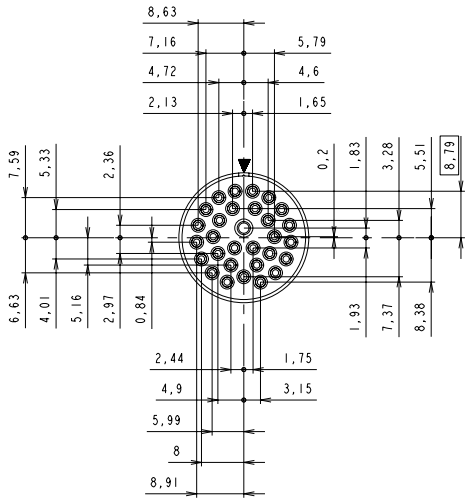
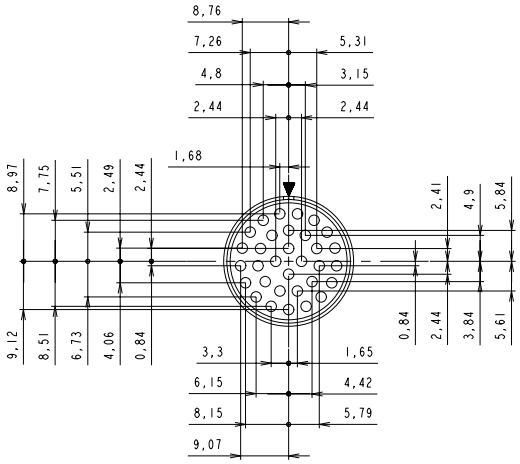
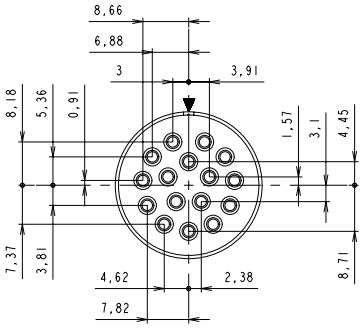
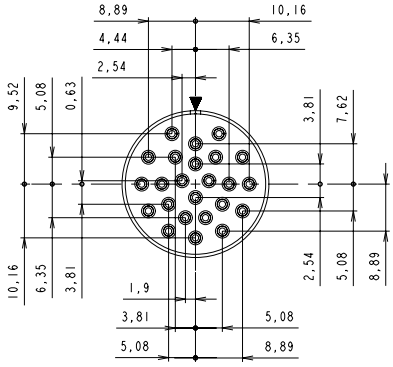
Drilling pattern - Male rear face

Shell Size	Dimension (mm)
8	8-2 2 contacts 2xØ1.0 (#20)  8-3 3 contacts 3xØ1.0 (#20)  8-3A/8-98 3 contacts 3xØ1.0 (#20)  8-33 3 contacts 3xØ1.0 (#20)  8-4 4 contacts 4xØ1.0 (#20) 
10	10-6 6 contacts 6xØ1.0 (#20)  10-98 6 contacts 6xØ1.0 (#20)  10-7 7 contacts 7xØ1.0 (#20) 
12	12-2 2 contacts 2xØ1.6 (#16)  12-3 3 contacts 3xØ1.6 (#16)  12-4 3 contacts +ground 4xØ1.6 (#16)  12-8 8 contacts 8xØ1.0 (#20)  12-10 10 contacts 10xØ1.0 (#20)  12-14 14 contacts 14xØ1.0 (#20) 

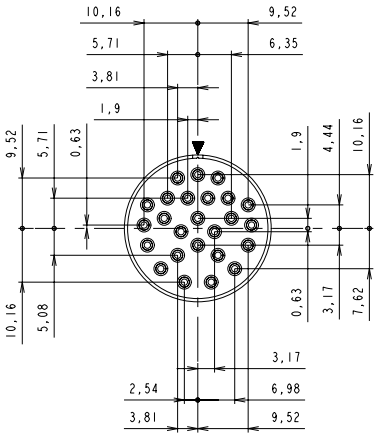
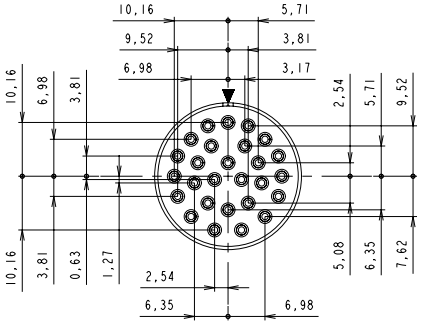
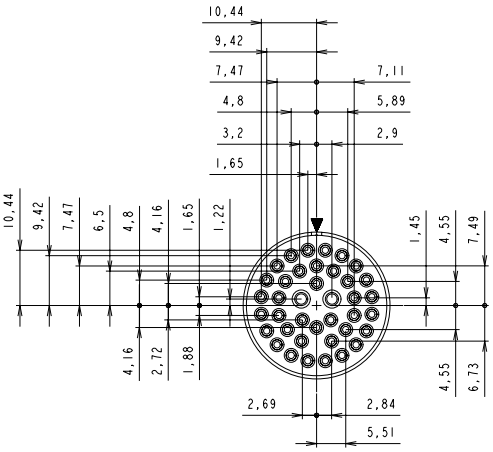
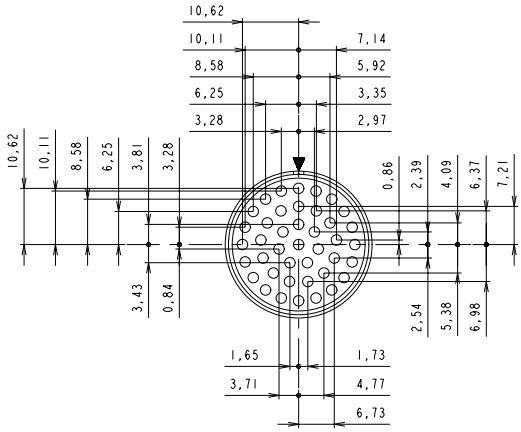
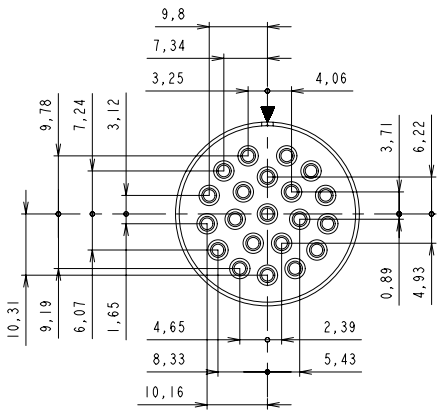
Drilling pattern - Male rear face

Shell Size	Dimension (mm)
14	14-5 5 contacts 5xØ1.6 (#16)  14-7 6 contacts +ground 7xØ1.6 (#16)  14-12 12 contacts 8xØ1.0 (#20) 4xØ1.6 (#16)  14-15 15 contacts 14xØ1.0 (#20) 1xØ1.6 (#16)  14-18 18 contacts 18xØ1.0 (#20)  14-19 19 contacts 19xØ1.0 (#20) 
16	16-8 8 contacts 8xØ1.6 (#16)  16-26 26 contacts 26xØ1.0 (#20)  16-23 23 contacts 22xØ1.0 (#20) 1xØ1.6 (#16) 

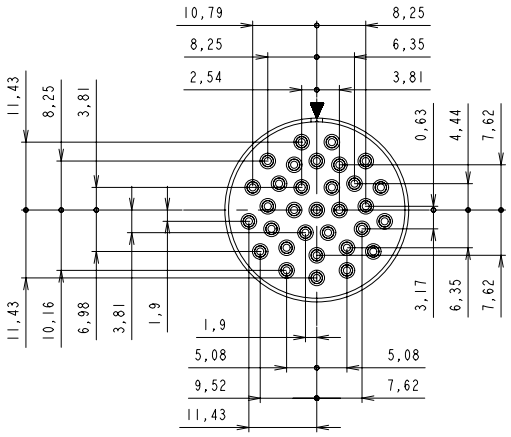
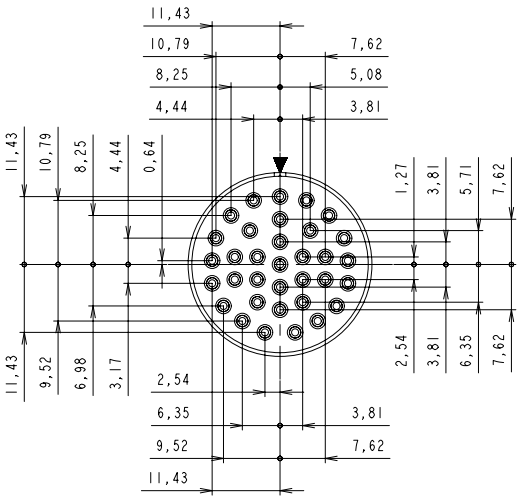
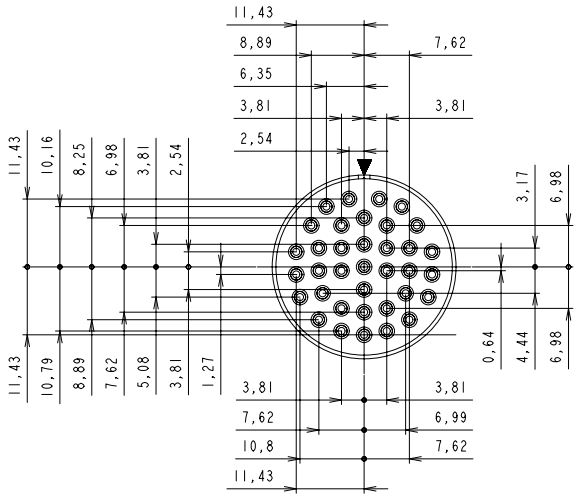
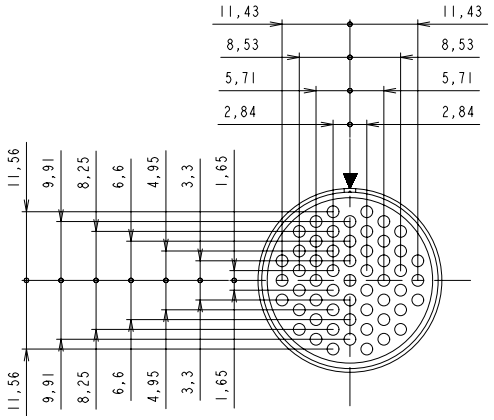
Drilling pattern - Male rear face

Shell Size	Dimension (mm)
18	18-11 11 contacts 11xØ1.6 (#16)  18-30 30 contacts 29xØ1.0 (#20) 1xØ1.6 (#16)  18-32 32 contacts 32xØ1.0 (#20) 
20	20-16 16 contacts 16xØ1.6 (#16)  20-24 24 contacts 24xØ1.0 (#20) 

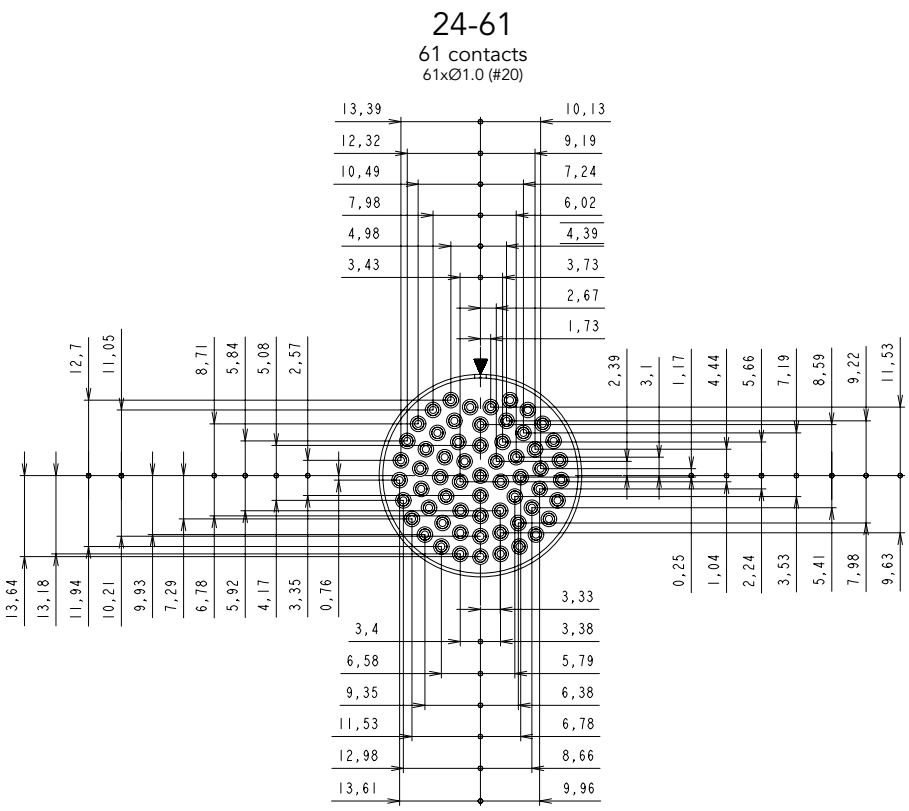
Drilling pattern - Male rear face

Shell Size	Dimension (mm)
20	20-25 25 contacts 25xØ1.0 (#20)  20-27 27 contacts 27xØ1.0 (#20)  20-39 39 contacts 37xØ1.0 (#20) 2xØ1.6 (#16)  20-41 41 contacts 41xØ1.0 (#20) 
22	22-21 21 contacts 21xØ1.6 (#16) 

Drilling pattern - Male rear face

Shell Size	Dimension (mm)
22	22-32 32 contacts 32xØ1.0 (#20)  22-34 34 contacts 34xØ1.0 (#20)  22-36 36 contacts 36xØ1.0 (#20)  22-55 55 contacts 55xØ1.0 (#20) 

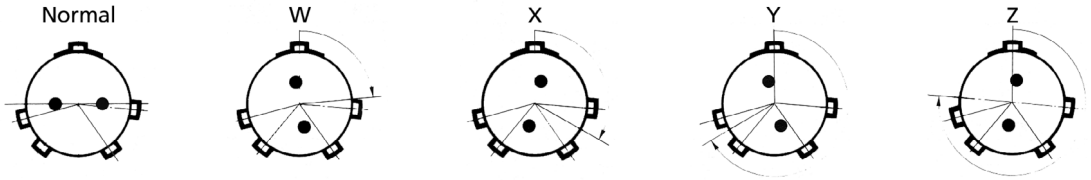
Drilling pattern - Male rear face

Shell Size	Dimension (mm)
24	

Discrimination / Keying methods

Insulator rotated inside metal bod

Viewed from front face of male insulator (receptacle or plug)



Shells	Layouts	Angle in degrees				NFC 93422 HE 301B		MIL-DTL-26482G serie 1		Service1 1500 Vrms	Service 2 2300 Vrms
		W	X	Y	Z	Solder	Crimp	Solder	Crimp		
8	2	58	122	-	-			•		X	
	3	60	210	-	-			•		X	
	3A (98)*	60	210	-	-			•	•	X	
	4	45	-	-	-			•		X	
	33	90	-	-	-		•	•	•	X	
10	6	90	-	-	-	•	•	•	•	X	
	7*	90	-	-	-					X	
	98	90	180	240	270			•	•	X	
12	3	-	-	180	-	•	•	•	•		X
	4										
	8	90	112	203	292			•	•	X	
	10	60	155	270	295	•	•	•	•	X	
	2	-	-	-	-						X
	14*	45						•		X	
14	5	40	92	184	273	•	•	•	•		X
	7										
	12	43	90	-	-	•	•	•	•	X	
	15	17	110	155	234	•	•	•	•	X	
	18	15	90	180	270			•	•	X	
	19	30	165	315	-	•	•	•	•	X	
16	8	54	152	180	331	•	•	•	•		X
	23	158	270	-	-	•	•	•	•	X	
	26	60	-	275	338	•	•	•	•	X	
18	11	62	119	241	340	•	•	•	•		X
	32	85	138	222	265	•	•	•	•	X	
	30	180	193	285	350		•		•	X	
20	16	238	318	333	347	•	•	•	•		X
	39	63	144	252	333	•	•	•	•	X	
	41	45	126	225	-	•	•	•	•	X	
	24	70	145	215	290			•	•	X	
	25	72	144	216	288					X	
	27	72	144	216	288		•		•	X	
22	21	16	135	175	349	•	•	•	•		X
	36	72	144	216	288		•			X	
	55	30	142	226	314	•	•	•	•	X	
	32	72	145	215	288				•	X	
	34	62	142	218	298				•	X	
24	61	90	180	270	324	•	•	•	•	X	

* 8-98 layout, W and X non standard ortientations
10-7 & 12-14 layouts, W non standard orientation

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