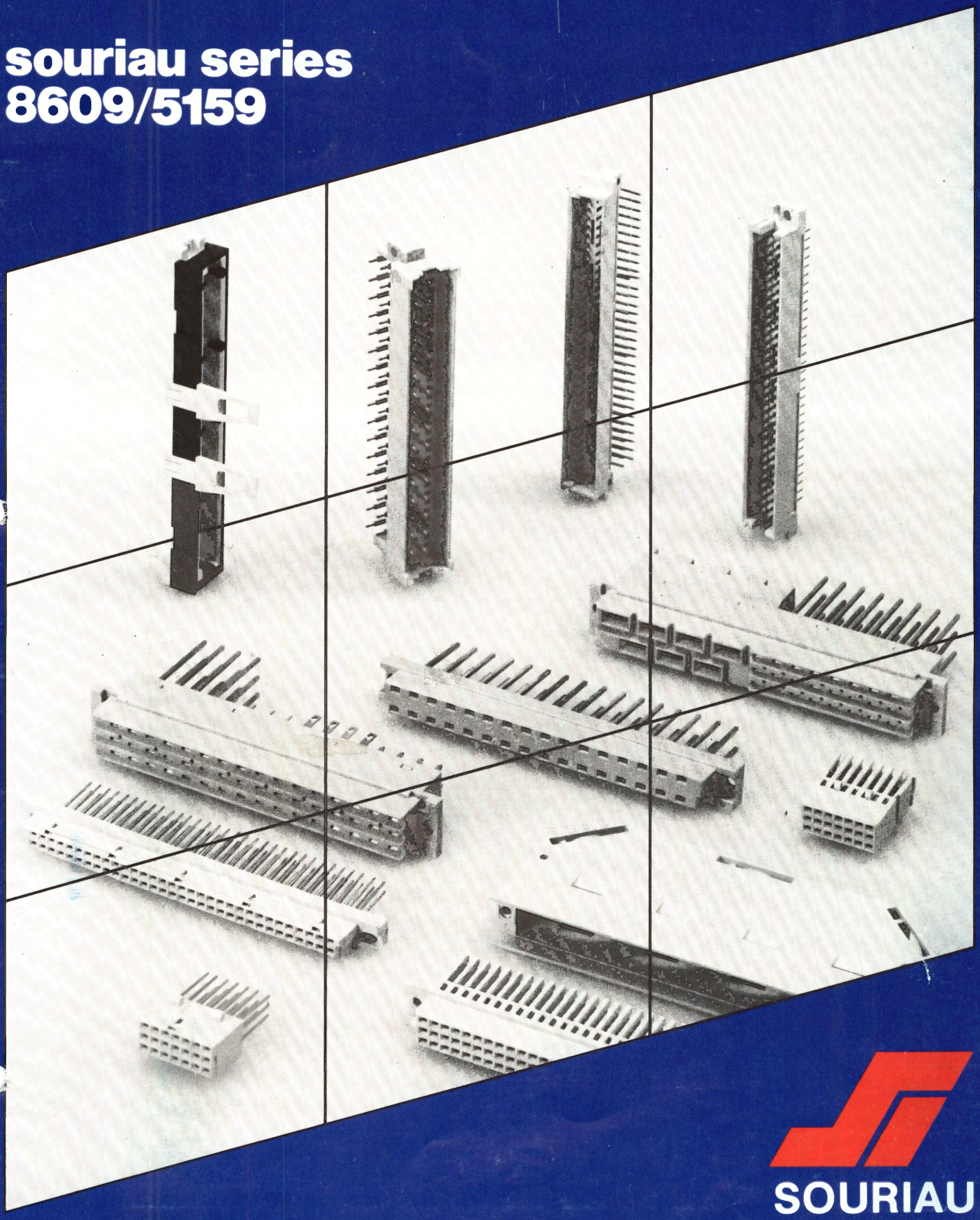
DIN 41612 connectors

souriau series 8609/5159

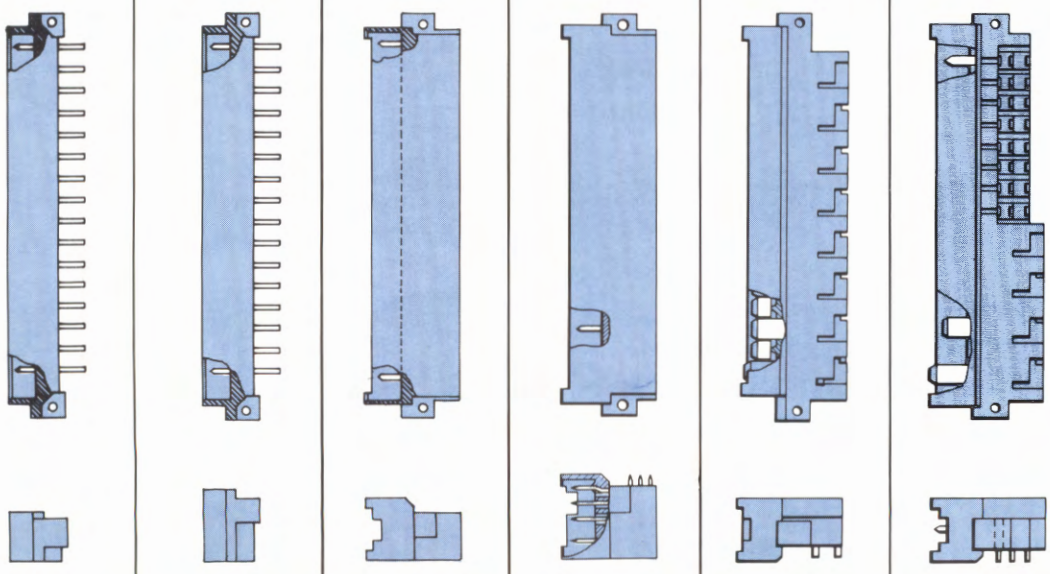


SOURIAU

ref: 41612.485-E-UK

DIN 41612 connectors

series D	series E	series F	series G	series H15	series M	DIN 41612 sub-series
medium power 5.08mm pitch	medium power 5.08mm pitch	medium power 5.08mm pitch	medium power 5.08mm pitch	high power	mixed medium and high power	**description**
2	3	3	4	2	3/2	**Number of rows**
32	32–48	32–48	64	15	24/7	**No. of contacts**[1]
5.08mm	5.08mm	5.08mm	5.08mm	10.16mm	5.08/10.16mm	**Pitch of contacts**
5.5A	5.5A	5.5A	5.5A	12A	5.5A/15A	**Contact rating 20°C**
1kV	1kV	1.5kV	1.5kV	2.5kV	1.5/2.5kV	**Test voltage**
$\geqslant 10^5 M\Omega$	$\geqslant 10^5 M\Omega$	$\geqslant 10^5 M\Omega$	$\geqslant 10^5 M\Omega$	$\geqslant 10^5 M\Omega$	$\geqslant 10^5 M\Omega$	**Insuln. resistance**
$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega/8m\Omega$	**Contact resistance**
gold	gold	gold	gold	silver	gold/silver	**active zone** — **Contact plating**
tin/lead	tin/lead	tin/lead	tin/lead	silver	tin/lead/silver	**termination**
						termination
■	■	■	■	■	■	solder (for wire)
■	■	■	■		■/■	straight
■	■	■	■	■	■/■	angled spill
■	■	■	■		■	wire wrap
■	■	■		■		crimp
				■	■	faston®
■	■	■	■			termipoint®
						IDC



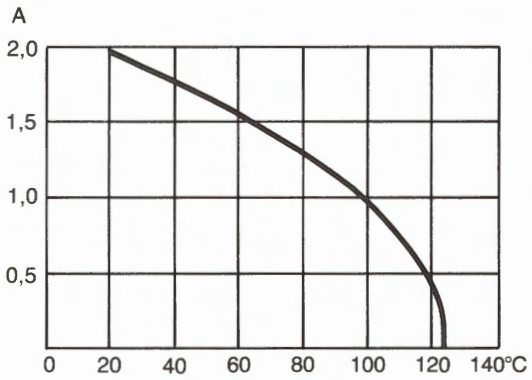
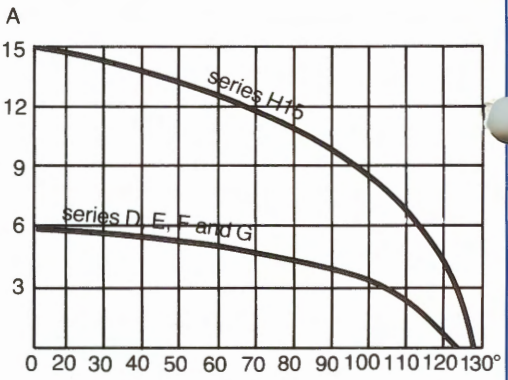
1) other partially filled contact combinations can be supplied – please consult us for availability.

® "faston" and "termipoint" are registered trade names of AMP Inc.

DIN 41612 connectors

souriau

characteristics

	Souriau series 8609 Signal current DIN 41612 series B, C, Q, R, derived series HE11, C-IDC and modules.	**Souriau series 5159** Medium and High power DIN 41612 Series D, E, F, G, and H15 and derived M (mixed).
general characteristics		
– insulator	polyester (PBT)-UL 94 VO	glass fibre filled polycarbonate*
– female contacts	phosphor bronze	brass
plating – active zone	gold over nickel	gold over nickel or silver over nickel
– termination zone	tin/lead over nickel (except rear plug up)	tin/lead
– male contacts	brass	brass
plating – active zone	gold over nickel	gold over nickel or silver over nickel
– termination zone	tin/lead over nickel (except rear plug up)	tin/lead
		*F-series: crimp – polyester, others available in polyamide on request.
electrical characteristics		
– current rating at 20°C		
– insulation resistance	⩾ 1.10^6MΩ	⩾ 1.10^5MΩ
– contact resistance	⩽ 15mΩ	⩽ 15mΩ
– test voltage		
– (between contacts)	1000V rms between contacts	1000V rms (Series D/E), 1500V rms (Series F/G), 2500V rms (others),
– (between contact/earth)	1500V rms between contact and earth	1500V rms (Series D/E), 2500V rms and (others)
– nominal working voltage	330V ac/470V dc	125V ac nominal
mechanical characteristics		
– longitudinal pitch	2.54mm	5.08mm, 10.16mm staggered (series H15)
– transverse pitch	2.54mm	5.08mm, 6.5mm (series H15)
– insertion/extraction force		
– 96 contacts	⩽90N, ⩾15N	⩽100N
– 64 contacts	⩽60N, ⩾10N	⩽ 75N
– 48 contacts		⩽ 50N
– 32 contacts	⩽30N, ⩾5N	
– operating temperature	−65°C to +125°C	−55°C to +125°C
– endurance	1000hrs at 85°C	1000hrs at 70°C
– damp heat	56 days	56 days
– salt spray	96 hrs	industrial atmosphere according to DIN 41612, part 5
– vibration	10/2000Hz, 1.52mm displacement at 20g and each 20g thereafter	10/2000Hz, 1.52mm displacement at 20g and each 20g thereafter
– security of electrical contact	⩾ 1.8mm	⩾ 1.8mm
– mechanical endurance	50/500 operations – see page 7	50/500 operations – see page 7
– solderability	to DIN 40046, part 18 (male connector on heat dissipator)	to DIN 40046, part 18 (male connector on heat dissipator)

series B, C, Q, R and derived HE11
performance specification

indicated by thirteenth digit of connector part number (see following pages)
e.g.: series C, 96 contact receptacle – 8609.396.81.15 7[ ]5.000.E1.

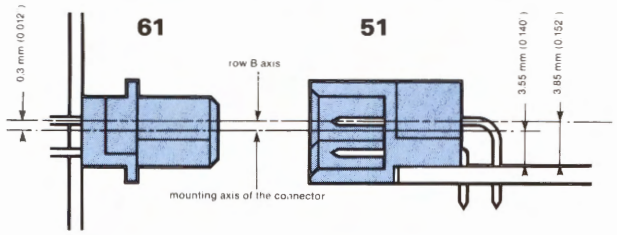
DIN 41612 connectors

performance spec. digit	international/national specs. complied with	performance	
		minimum number of mating/unmating ops.	environmental test
4	exceeds DIN 41612 class 3 HE11.01, HE12.01	400	–
5	DIN 41612 class 2 HE11.02, HE12.02, IEC 603-2	400	4 days industrial atmosphere
6	DIN 41612 class 1 IEC 603-2, BT222T	400	10 days industrial atmosphere
7	VG 95324, HE11.03, HE12.03	500	21 days industrial atmosphere (test)
8	BS 9525.F.0004, BT222 BS 9525.F.0017	500	high level industrial atmosphere (21 day test)

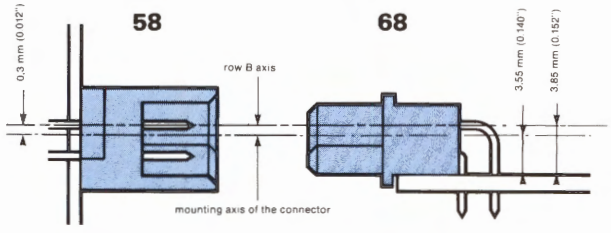
mounting detail

2 row insulators

DIN 41612 series B (standard mounting)

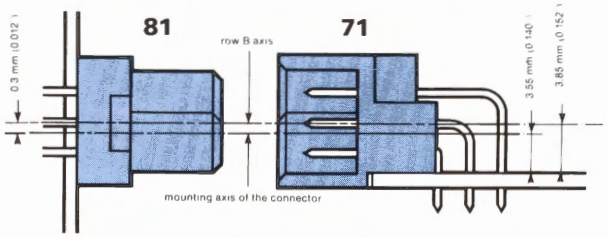


DIN 41612 series Q (reverse mounting)

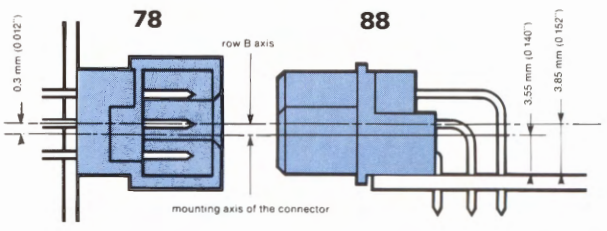


3 row insulators

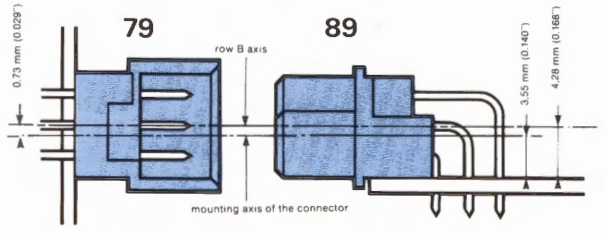
DIN 41612 series C (standard mounting)



DIN 41612 series R (reverse mounting)



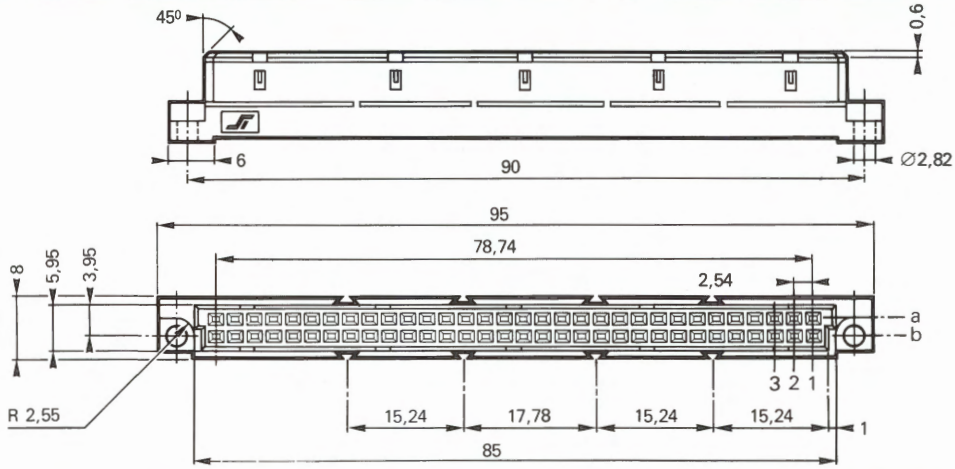
derived HE11 series (reverse mounting)

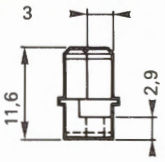


DIN 41612
series **B**

souriau series 8609

standard receptacles

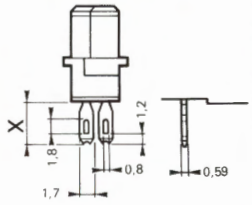




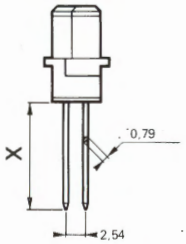
ordering information

No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch				
64	a b	400	exceeds DIN 41612 class 3	8609.264.61. .745.000.E1
64	a b	400	DIN 41612 class 2/IEC 603-2	8609.264.61. .755.000.E1
64	a b	400	DIN 41612 class 1/BT222T	8609.264.61. .765.000.E1
64	a b	500	VG95324	8609.264.61. .775.000.E1
64	a b	500	BS9525-F-0004/BT222	8609.264.61. .785.000.E1
32	a –	400	exceeds DIN 41612 class 3	8609.132.61. .745.000.E1
32	a –	400	DIN 41612 class 2/IEC 603-2	8609.132.61. .755.000.E1
32	a –	400	DIN 41612 class 1/BT222T	8609.132.61. .765.000.E1
32	a –	500	VG95324	8609.132.61. .775.000.E1
32	a –	500	BS9525-F-0004/BT222	8609.132.61. .785.000.E1
5.08mm pitch				
32	a b	400	exceeds DIN 41612 class 3	8609.232.61. .748.000.E1
32	a b	400	DIN 41612 class 2/IEC 603-2	8609.232.61. .758.000.E1
32	a b	400	DIN 41612 class 1/BT222T	8609.232.61. .768.000.E1
32	a b	500	VG95324	8609.232.61. .778.000.E1
32	a b	500	BS9525-F-0004/BT222	8609.232.61. .788.000.E1
16	a –	400	exceeds DIN 41612 class 3	8609.116.61. .748.000.E1
16	a –	400	DIN 41612 class 2/IEC 603-2	8609.116.61. .758.000.E1
16	a –	400	DIN 41612 class 1/BT222T	8609.116.61. .768.000.E1
16	a –	500	VG95324	8609.116.61. .778.000.E1
16	a –	500	BS9525-F-0004/BT222	8609.116.61. .788.000.E1

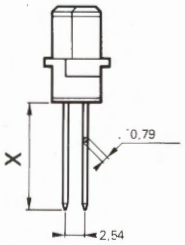
09-10 | **15** | 25 | **14** | 24



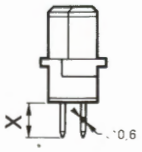
09 X = 5mm
10 X = 13mm
solder eyelet



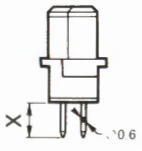
15 X = 13mm
wire wrap



25 X = 17mm
wire wrap



14 X = 4.0mm
straight spill



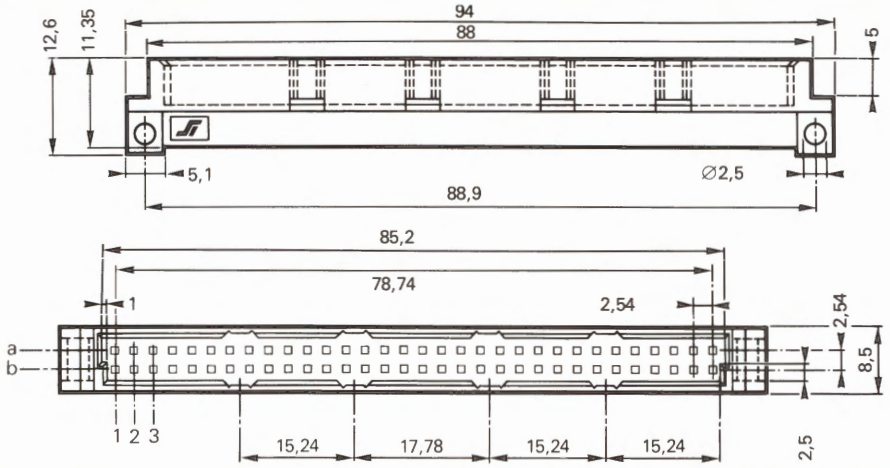
24 X = 2.5mm
straight spill

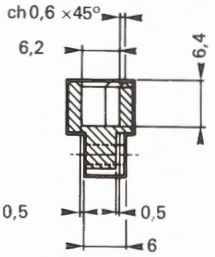
■ = preferred style – other termination lengths on special request.

16/32/64 contacts
2.54/5.08mm pitch

DIN 41612
series B

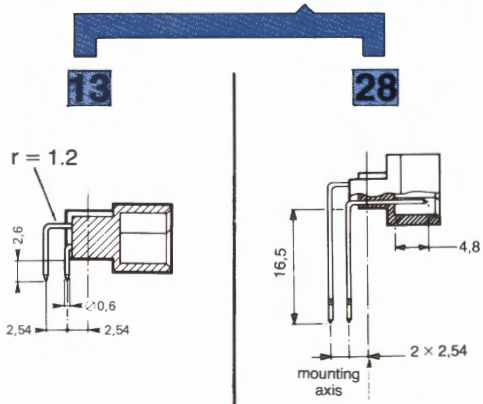
standard plugs





ordering information

	No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch	64	a b	400	exceeds DIN 41612 class 3	8609.264.51 .745.000.E1
	64	a b	400	DIN 41612 class 2/IEC 603-2	8609.264.51 .755.000.E1
	64	a b	400	DIN 41612 class 1/BT222T	8609.264.51 .765.000.E1
	64	a b	500	VG95324	8609.264.51 .775.000.E1
	64	a b	500	BS9525-F-0004/BT222	8609.264.51 .785.000.E1
	32	a –	400	exceeds DIN 41612 class 3	8609.132.51 .745.000.E1
	32	a –	400	DIN 41612 class 2/IEC 603-2	8609.132.51 .755.000.E1
	32	a –	400	DIN 41612 class 1/BT222T	8609.132.51 .765.000.E1
	32	a –	500	VG95324	8609.132.51 .775.000.E1
	32	a –	500	BS9525-F-0004/BT222	8609.132.51 .785.000.E1
5.08mm pitch	32	a b	400	exceeds DIN 41612 class 3	8609.232.51 .748.000.E1
	32	a b	400	DIN 41612 class 2/IEC 603-2	8609.232.51 .758.000.E1
	32	a b	400	DIN 41612 class 1/BT222T	8609.232.51 .768.000.E1
	32	a b	500	VG95324	8609.232.51 .778.000.E1
	32	a b	500	BS9525-F-0004/BT222	8609.232.51 .788.000.E1
	16	a –	400	exceeds DIN 41612 class 3	8609.116.51 .748.000.E1
	16	a –	400	DIN 41612 class 2/IEC 603-2	8609.116.51 .758.000.E1
	16	a –	400	DIN 41612 class 1/BT222T	8609.116.51 .768.000.E1
	16	a –	500	VG95324	8609.116.51 .778.000.E1
	16	a –	500	BS9525-F-0004/BT222	8609.116.51 .788.000.E1

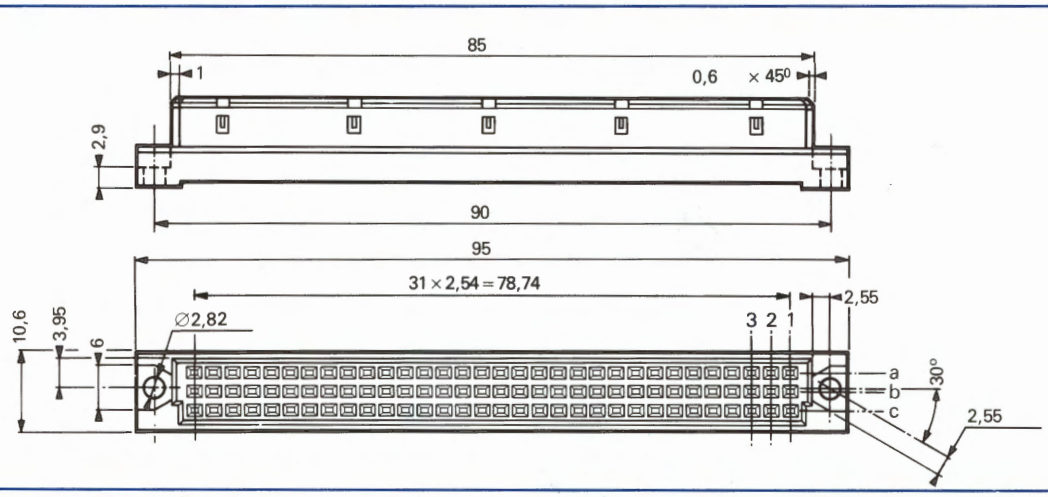


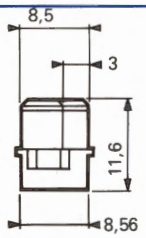
angled spill **angled spill**

DIN 41612
series C

souriau series 8609

standard receptacles

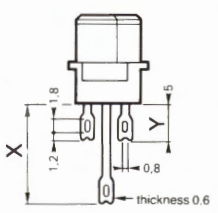




ordering information

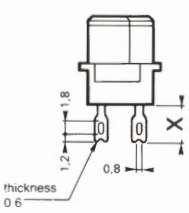
No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch				
96	a b c	400	exceeds DIN 41612 class 3	8609.396.81. .745.000.E1
96	a b c	400	DIN 41612 class 2/IEC 603-2	8609.396.81. .755.000.E1
96	a b c	400	DIN 41612 class 1/BT222T	8609.396.81. .765.000.E1
96	a b c	500	VG95324	8609.396.81. .775.000.E1
96	a b c	500	BS9525-F-0004/BT222	8609.396.81. .785.000.E1
64	a – c	400	exceeds DIN 41612 class 3	8609.464.81. .745.000.E1
64	a – c	400	DIN 41612 class 2/IEC 603-2	8609.464.81. .755.000.E1
64	a – c	400	DIN 41612 class 1/BT222T	8609.464.81. .765.000.E1
64	a – c	500	VG95324	8609.464.81. .775.000.E1
64	a – c	500	BS9525-F-0004/BT222	8609.464.81. .785.000.E1
5.08mm pitch				
48	a b c	400	exceeds DIN 41612 class 3	8609.348.81. .748.000.E1
48	a b c	400	DIN 41612 class 2/IEC 603-2	8609.348.81. .758.000.E1
48	a b c	400	DIN 41612 class 1/BT222T	8609.348.81. .768.000.E1
48	a b c	500	VG95324	8609.348.81. .778.000.E1
48	a b c	500	BS9525-F-0004/BT222	8609.348.81. .788.000.E1
32	a – c	400	exceeds DIN 41612 class 3	8609.432.81. .748.000.E1
32	a – c	400	DIN 41612 class 2/IEC 603-2	8609.432.81. .758.000.E1
32	a – c	400	DIN 41612 class 1/BT222T	8609.432.81. .768.000.E1
32	a – c	500	VG95324	8609.432.81. .778.000.E1
32	a – c	500	BS9525-F-0004/BT222	8609.432.81. .788.000.E1

08



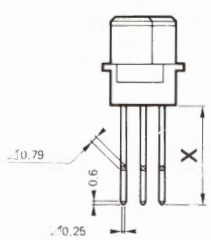
08 X = 13mm
Y = 5mm
solder eyelet

09-10



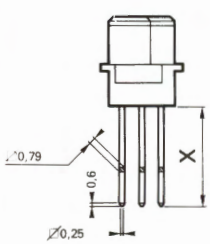
09 X = 5mm
10 X = 13mm
solder eyelet

15



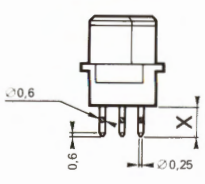
15 X = 13mm
wire wrap

25



25 X = 17mm
wire wrap

14-24



14 X = 4mm
24 X = 2.5mm
straight spill

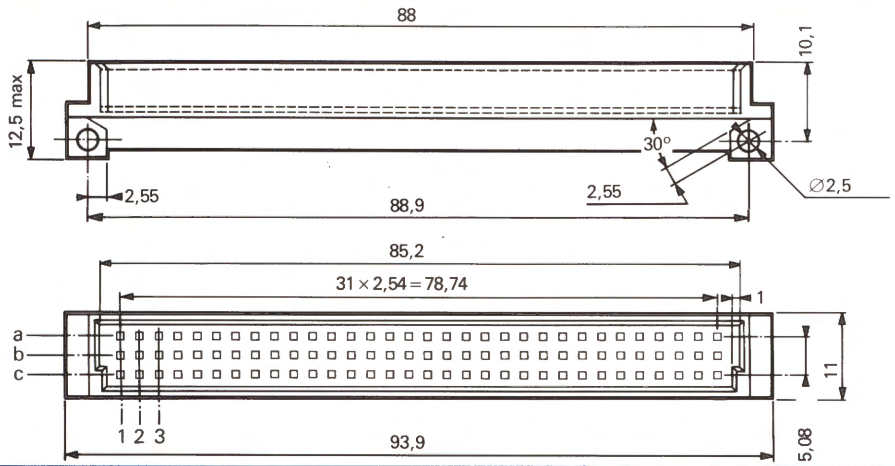
■ = preferred style – other termination lengths on special request.

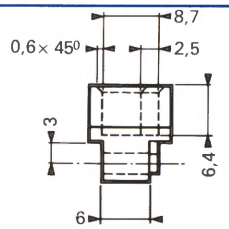
32/48/64/96 contacts 2.54/5.08mm pitch

DIN 41612

series C

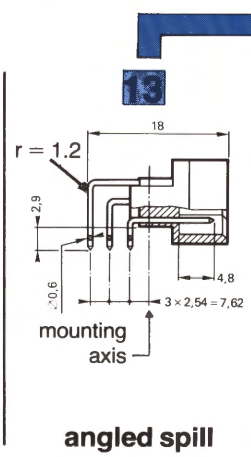
standard plugs



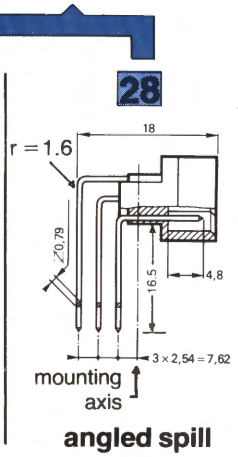


ordering information

	No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch	96	a b c	400	exceeds DIN 41612 class 3	8609.396.71. .745.000.E1
	96	a b c	400	DIN 41612 class 2/IEC 603-2	8609.396.71. .755.000.E1
	96	a b c	400	DIN 41612 class 1/BT222T	8609.396.71. .765.000.E1
	96	a b c	500	VG95324	8609.396.71. .775.000.E1
	96	a b c	500	BS9525-F-0004/BT222	8609.396.71. .785.000.E1
	64	a – c	400	exceeds DIN 41612 class 3	8609.464.71. .745.000.E1
	64	a – c	400	DIN 41612 class 2/IEC 603-2	8609.464.71. .755.000.E1
	64	a – c	400	DIN 41612 class 1/BT222T	8609.464.71. .765.000.E1
	64	a – c	500	VG95324	8609.464.71. .775.000.E1
	64	a – c	500	BS9525-F-0004/BT222	8609.464.71. .785.000.E1
5.08mm pitch	48	a b c	400	exceeds DIN 41612 class 3	8609.348.71. .748.000.E1
	48	a b c	400	DIN 41612 class 2/IEC 603-2	8609.348.71. .758.000.E1
	48	a b c	400	DIN 41612 class 1/BT222T	8609.348.71. .768.000.E1
	48	a b c	500	VG95324	8609.348.71. .778.000.E1
	48	a b c	500	BS9525-F-0004/BT222	8609.348.71. .788.000.E1
	32	a – c	400	exceeds DIN 41612 class 3	8609.432.71. .748.000.E1
	32	a – c	400	DIN 41612 class 2/IEC 603-2	8609.432.71. .758.000.E1
	32	a – c	400	DIN 41612 class 1/BT222T	8609.432.71. .768.000.E1
	32	a – c	500	VG95324	8609.432.71. .778.000.E1
	32	a – c	500	BS9525-F-0004/BT222	8609.432.71. .788.000.E1



angled spill

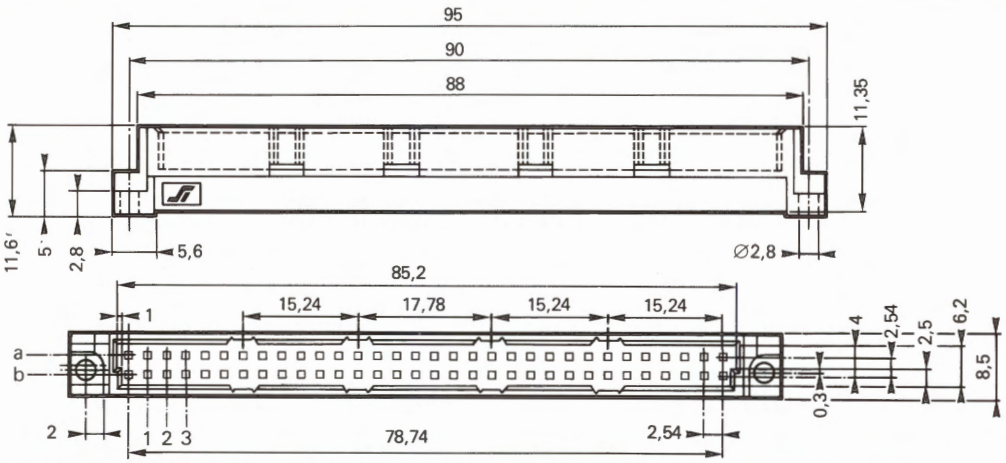


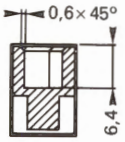
angled spill

DIN 41612
series Q

souriau series 8609

reverse receptacles

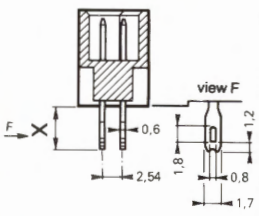




ordering information

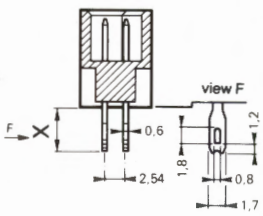
No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch				
64	a b	400	exceeds DIN 41612 class 3	8609.264.58.745.000.E1
64	a b	400	DIN 41612 class 2	8609.264.58.755.000.E1
64	a b	400	DIN 41612 class 1/BT222T	8609.264.58.765.000.E1
64	a b	500	VG95324	8609.264.58.775.000.E1
64	a b	500	BS9525-F-0017/BT222	8609.264.58.785.000.E1
32	a –	400	exceeds DIN 41612 class 3	8609.132.58.745.000.E1
32	a –	400	DIN 41612 class 2	8609.132.58.755.000.E1
32	a –	400	DIN 41612 class 1/BT222T	8609.132.58.765.000.E1
32	a –	500	VG95324	8609.132.58.775.000.E1
32	a –	500	BS9525-F-0017/BT222	8609.132.58.785.000.E1
5.08mm pitch				
32	a b	400	exceeds DIN 41612 class 3	8609.232.58.748.000.E1
32	a b	400	DIN 41612 class 2	8609.232.58.758.000.E1
32	a b	400	DIN 41612 class 1/BT222T	8609.232.58.768.000.E1
32	a b	500	VG95324	8609.232.58.778.000.E1
32	a b	500	BS9525-F-0017/BT222	8609.232.58.788.000.E1
16	a –	400	exceeds DIN 41612 class 3	8609.116.58.748.000.E1
16	a –	400	DIN 41612 class 2	8609.116.58.758.000.E1
16	a –	400	DIN 41612 class 1/BT222T	8609.116.58.768.000.E1
16	a –	500	VG95324	8609.116.58.778.000.E1
16	a –	500	BS9525-F-0017/BT222	8609.116.58.788.000.E1

09



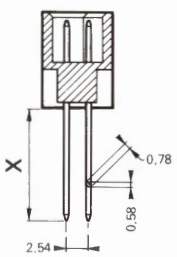
09 X = 5mm
solder eyelet

10



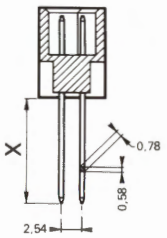
10 X = 13mm
solder eyelet

15



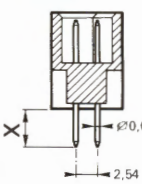
15 X = 13.3mm
wire wrap

25



25 X = 18.2mm
wire wrap

14-24



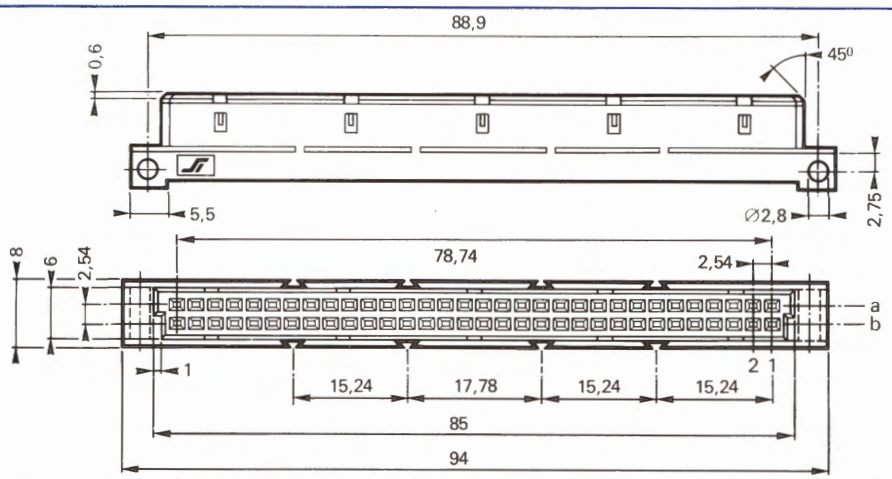
14 X = 4.4mm
24 X = 2.5mm
straight spill

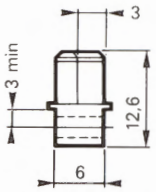
■ = preferred style – other termination lengths on special request.

16/32/64 contacts
2.54/5.08mm pitch

DIN 41612
series Q

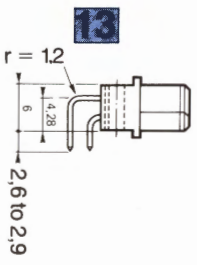
reverse plugs





ordering information

No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch				
64	a b	400	exceeds DIN 41612 class 3	8609.264.68.13.745.000.E1
64	a b	400	DIN 41612 class 2	8609.264.68.13.755.000.E1
64	a b	400	DIN 41612 class 1/BT222T	8609.264.68.13.765.000.E1
64	a b	500	VG95324	8609.264.68.13.775.000.E1
64	a b	500	BS9525-F-0017/BT222	8609.264.68.13.785.000.E1
32	a –	400	exceeds DIN 41612 class 3	8609.132.68.13.745.000.E1
32	a –	400	DIN 41612 class 2	8609.132.68.13.755.000.E1
32	a –	400	DIN 41612 class 1/BT222T	8609.132.68.13.765.000.E1
32	a –	500	VG95324	8609.132.68.13.775.000.E1
32	a –	500	BS9525-F-0017/BT222	8609.132.68.13.785.000.E1
5.08mm pitch				
32	a b	400	exceeds DIN 41612 class 3	8609.232.68.13.748.000.E1
32	a b	400	DIN 41612 class 2	8609.232.68.13.758.000.E1
32	a b	400	DIN 41612 class 1/BT222T	8609.232.68.13.768.000.E1
32	a b	500	VG95324	8609.232.68.13.778.000.E1
32	a b	500	BS9525-F-0017/BT222	8609.232.68.13.788.000.E1
16	a –	400	exceeds DIN 41612 class 3	8609.116.68.13.748.000.E1
16	a –	400	DIN 41612 class 2	8609.116.68.13.758.000.E1
16	a –	400	DIN 41612 class 1/BT222T	8609.116.68.13.768.000.E1
16	a –	500	VG95324	8609.116.68.13.778.000.E1
16	a –	500	BS9525-F-0017/BT222	8609.116.68.13.788.000.E1

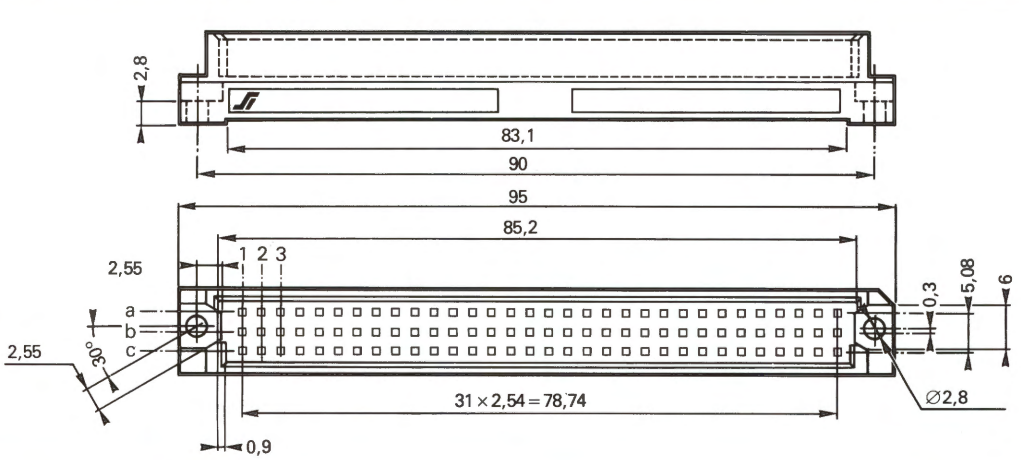


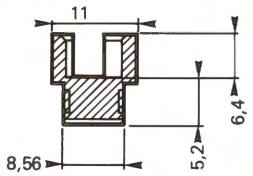
angled spill

DIN 41612
series R

souriau series 8609

reverse receptacles

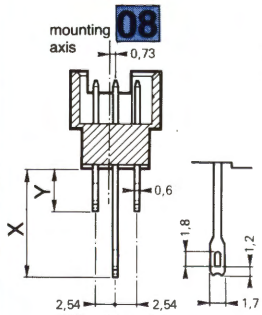




ordering information

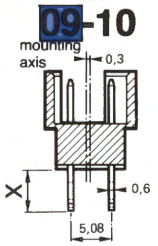
No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch				
96	a b c	400	exceeds DIN 41612 class 3	8609.396.78.745.000.E1
96	a b c	400	DIN 41612 class 2	8609.396.78.755.000.E1
96	a b c	400	DIN 41612 class 1/BT222T	8609.396.78.765.000.E1
96	a b c	500	VG95324	8609.396.78.775.000.E1
96	a b c	500	BS9525-F-0017/BT222	8609.396.78.785.000.E1
64	a – c	400	exceeds DIN 41612 class 3	8609.464.78.745.000.E1
64	a – c	400	DIN 41612 class 2	8609.464.78.755.000.E1
64	a – c	400	DIN 41612 class 1/BT222T	8609.464.78.765.000.E1
64	a – c	500	VG95324	8609.464.78.775.000.E1
64	a – c	500	BS9525-F-0017/BT222	8609.464.78.785.000.E1
5.08mm pitch				
48	a b c	400	exceeds DIN 41612 class 3	8609.348.78.748.000.E1
48	a b c	400	DIN 41612 class 2	8609.348.78.758.000.E1
48	a b c	400	DIN 41612 class 1/BT222T	8609.348.78.768.000.E1
48	a b c	500	VG95324	8609.348.78.778.000.E1
48	a b c	500	BS9525-F-0017/BT222	8609.348.78.788.000.E1
32	a – c	400	exceeds DIN 41612 class 3	8609.432.78.748.000.E1
32	a – c	400	DIN 41612 class 2	8609.432.78.758.000.E1
32	a – c	400	DIN 41612 class 1/BT222T	8609.432.78.768.000.E1
32	a – c	500	VG95324	8609.432.78.778.000.E1
32	a – c	500	BS9525-F-0017/BT222	8609.432.78.788.000.E1

08



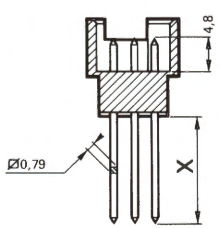
08 X = 13mm
Y = 5mm
solder eyelet

09-10



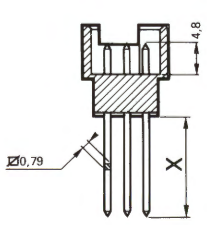
09 X = 5mm
10 X = 13mm
solder eyelet

15



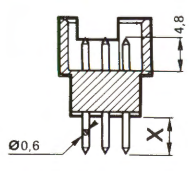
15 X = 13.3mm
wire wrap

25



25 X = 18.2mm
wire wrap

14-24



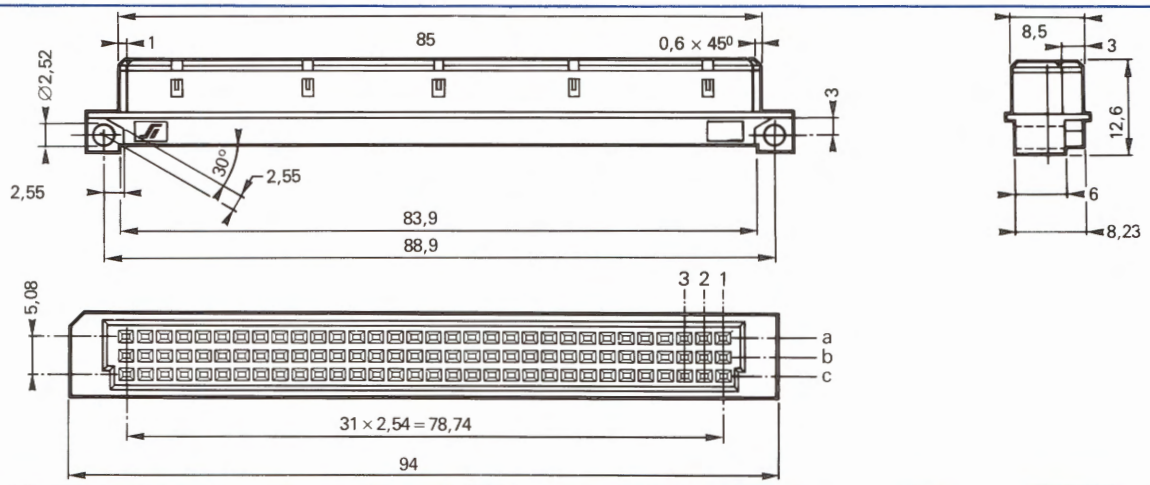
14 X = 4.4mm
24 X = 2.5mm
straight spill

☐ = preferred style – other termination lengths on special request.

32/48/64/96 contacts 2.54/5.08mm pitch

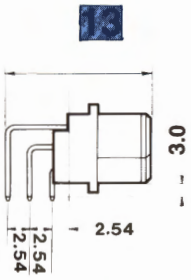
DIN 41612
series R

reverse plugs



ordering information

No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch				
96	a b c	400	exceeds DIN 41612 class 3	8609.396.88.13.745.000.E1
96	a b c	400	DIN 41612 class 2	8609.396.88.13.755.000.E1
96	a b c	400	DIN 41612 class 1/BT222T	8609.396.88.13.765.000.E1
96	a b c	500	VG95324	8609.396.88.13.775.000.E1
96	a b c	500	BS9525-F-0017/BT222	8609.396.88.13.785.000.E1
64	a – c	400	exceeds DIN 41612 class 3	8609.464.88.13.745.000.E1
64	a – c	400	DIN 41612 class 2	8609.464.88.13.755.000.E1
64	a – c	400	DIN 41612 class 1/BT222T	8609.464.88.13.765.000.E1
64	a – c	500	VG95324	8609.464.88.13.775.000.E1
64	a – c	500	BS9525-F-0017/BT222	8609.464.88.13.785.000.E1
5.08mm pitch				
48	a b c	400	exceeds DIN 41612 class 3	8609.348.88.13.748.000.E1
48	a b c	400	DIN 41612 class 2	8609.348.88.13.758.000.E1
48	a b c	400	DIN 41612 class 1/BT222T	8609.348.88.13.768.000.E1
48	a b c	500	VG95324	8609.348.88.13.778.000.E1
48	a b c	500	BS9525-F-0017/BT222	8609.348.88.13.788.000.E1
32	a – c	400	exceeds DIN 41612 class 3	8609.432.88.13.748.000.E1
32	a – c	400	DIN 41612 class 2	8609.432.88.13.758.000.E1
32	a – c	400	DIN 41612 class 1/BT222T	8609.432.88.13.768.000.E1
32	a – c	500	VG95324	8609.432.88.13.778.000.E1
32	a – c	500	BS9525-F-0017/BT222	8609.432.88.13.788.000.E1



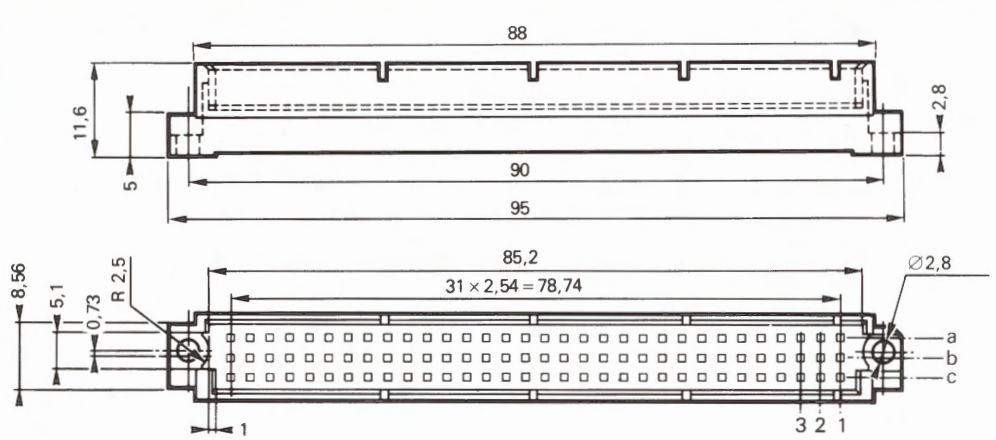
diagonal 0.79

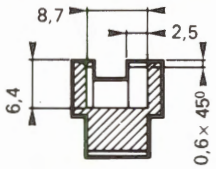
angled spill

DIN 41612
derived HE11 reverse

souriau series 8609

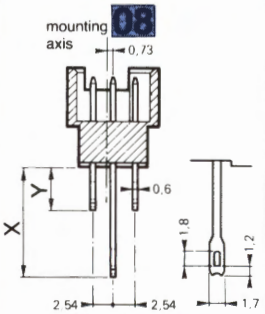
HE11 reverse receptacles





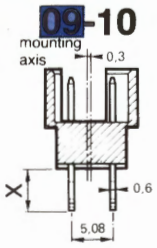
	No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2 row insulator 2.54mm pitch	64	a b	400	HE11-01	8609.264.59. .745.000.E1
	64	a b	400	HE11-02	8609.264.59. .755.000.E1
	64	a b	500	HE11-03	8609.264.59. .775.000.E1
	32	a –	400	HE11-01	8609.132.59. .745.000.E1
	32	a –	400	HE11-02	8609.132.59. .755.000.E1
	32	a –	500	HE11-03	8609.132.59. .775.000.E1
2 row insulator 5.08mm pitch	32	a b	400	HE11-01	8609.232.59. .748.000.E1
	32	a b	400	HE11-02	8609.232.59. .758.000.E1
	32	a b	500	HE11-03	8609.232.59. .778.000.E1
	16	a –	400	HE11-01	8609.116.59. .748.000.E1
	16	a –	400	HE11-02	8609.116.59. .758.000.E1
	16	a –	500	HE11-03	8609.116.59. .778.000.E1
3 row insulator 2.54mm pitch	96	a b c	400	HE11-01	8609.396.79. .745.000.E1
	96	a b c	400	HE11-02	8609.396.79. .755.000.E1
	96	a b c	500	HE11-03	8609.396.79. .775.000.E1
	64	a – c	400	HE11-01	8609.464.79. .745.000.E1
	64	a – c	400	HE11-02	8609.464.79. .755.000.E1
	64	a – c	500	HE11-03	8609.464.79. .775.000.E1
3 row insulator 5.08mm pitch	48	a b c	400	HE11-01	8609.348.79. .748.000.E1
	48	a b c	400	HE11-02	8609.348.79. .758.000.E1
	48	a b c	500	HE11-03	8609.348.79. .778.000.E1
	32	a – c	400	HE11-01	8609.432.79. .748.000.E1
	32	a – c	400	HE11-02	8609.432.79. .758.000.E1
	32	a – c	500	HE11-03	8609.432.79. .778.000.E1

08



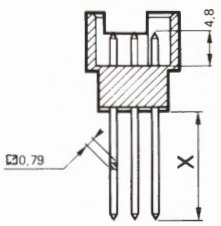
08 X = 13mm
Y = 15mm
solder eyelet

09-10



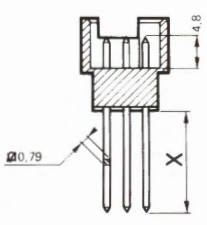
09 X = 5mm
10 X = 13mm
solder eyelet

15



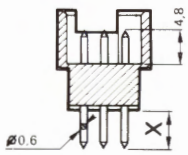
15 X = 13.3mm
wire wrap

25



25 X = 18.2mm
wire wrap

14-24



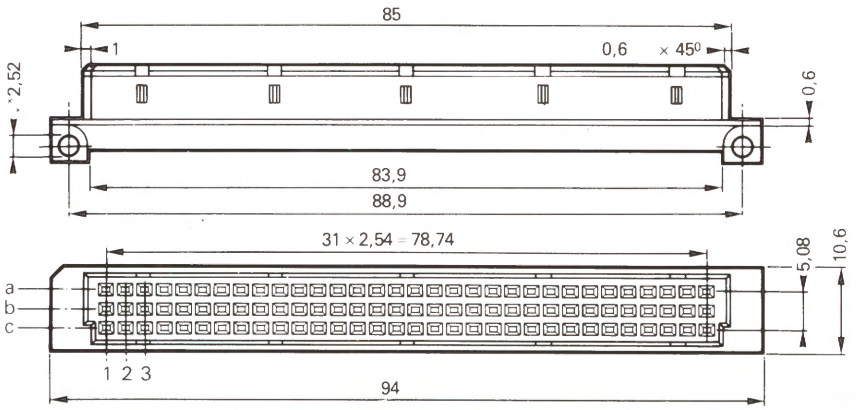
14 X = 4.4mm
24 X = 2.5mm
straight spill

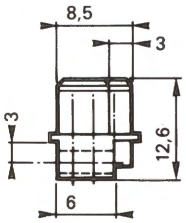
■ = preferred style

16/32/48/64/96 contacts 2.54/5.08mm pitch

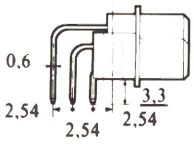
DIN 41612
derived HE11 reverse

HE11 reverse plugs





	No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2 row insulator 2.54mm pitch	64	a b	400	HE11-01	8609.264.69.13.745.000.E1
	64	a b	400	HE11-02	8609.264.69.13.755.000.E1
	64	a b	500	HE11-03	8609.264.69.13.775.000.E1
	32	a –	400	HE11-01	8609.132.69.13.745.000.E1
	32	a –	400	HE11-02	8609.132.69.13.755.000.E1
	32	a –	500	HE11-03	8609.132.69.13.775.000.E1
2 row insulator 5.08mm pitch	32	a b	400	HE11-01	8609.232.69.13.748.000.E1
	32	a b	400	HE11-02	8609.232.69.13.758.000.E1
	32	a b	500	HE11-03	8609.232.69.13.778.000.E1
	16	a –	400	HE11-01	8609.116.69.13.748.000.E1
	16	a –	400	HE11-02	8609.116.69.13.758.000.E1
	16	a –	500	HE11-03	8609.116.69.13.778.000.E1
3 row insulator 2.54mm pitch	96	a b c	400	HE11-01	8609.396.89.13.745.000.E1
	96	a b c	400	HE11-02	8609.396.89.13.755.000.E1
	96	a b c	500	HE11-03	8609.396.89.13.775.000.E1
	64	a – c	400	HE11-01	8609.464.89.13.745.000.E1
	64	a – c	400	HE11-02	8609.464.89.13.755.000.E1
	64	a – c	500	HE11-03	8609.464.89.13.775.000.E1
3 row insulator 5.08mm pitch	48	a b c	400	HE11-01	8609.348.89.13.748.000.E1
	48	a b c	400	HE11-02	8609.348.89.13.758.000.E1
	48	a b c	500	HE11-03	8609.348.89.13.778.000.E1
	32	a – c	400	HE11-01	8609.432.89.13.748.000.E1
	32	a – c	400	HE11-02	8609.432.89.13.758.000.E1
	32	a – c	500	HE11-03	8609.432.89.13.778.000.E1



diagonal 0.79

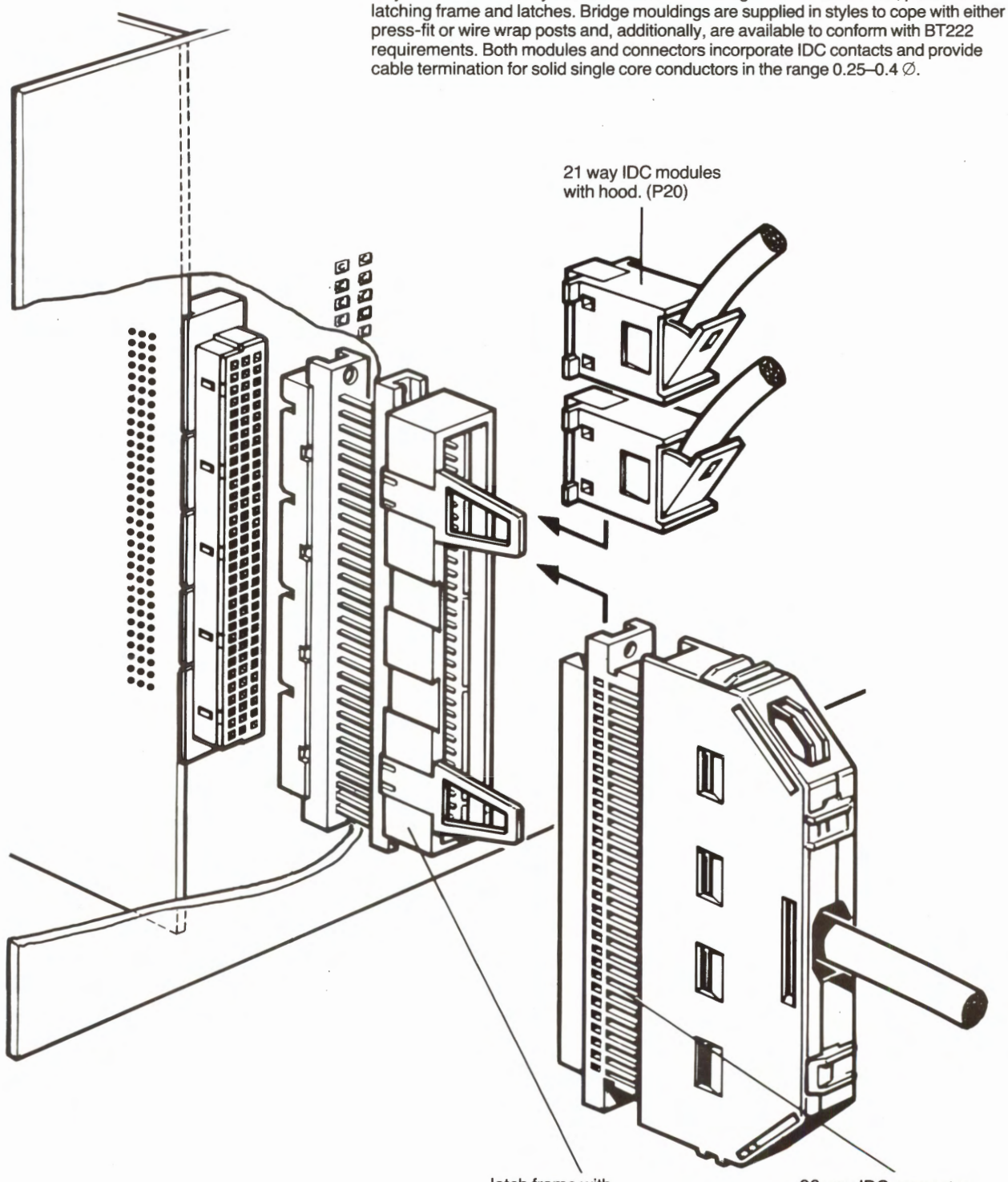
angled spill

DIN 41612
derived back panel system

souriau series 8609

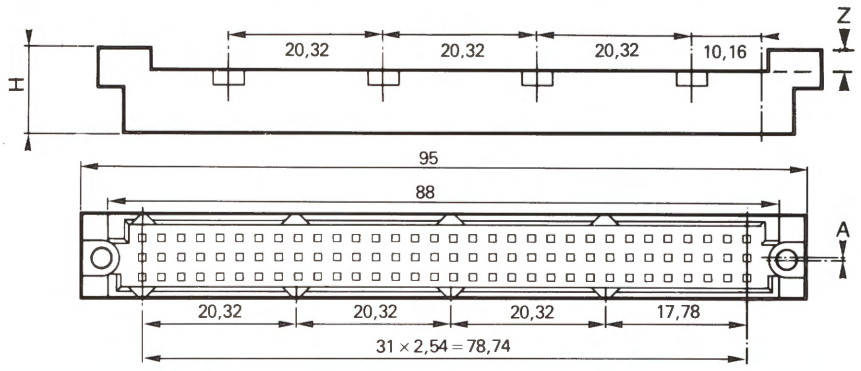
back panel system

The Souriau back panel system comprises either fully integrated rear plug up IDC 21 way modules or 96 way connectors set into a bridge with its associated, polarised latching frame and latches. Bridge mouldings are supplied in styles to cope with either press-fit or wire wrap posts and, additionally, are available to conform with BT222 requirements. Both modules and connectors incorporate IDC contacts and provide cable termination for solid single core conductors in the range 0.25–0.4 ∅.



bridge, latch frame & latch

bridge

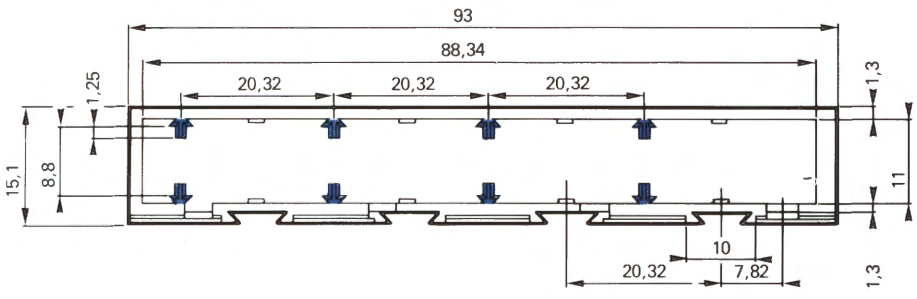


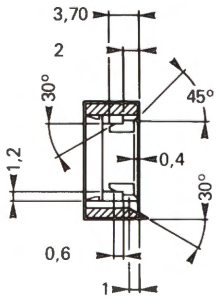
stand off Z Max.	H	part number	description
1,65	10,1	8609.78.000	minimum stand off height
3,05	11,5	8609.78.532	suitable for one wire wrap on 13mm contact using 3.2mm PC board
3,85	12,3	8609.78.524	suitable for one wire wrap on 13mm contact using 2.4mm PC board
6,35	14,8	8609.78.732	suitable for one wire wrap on 15.9mm (pressfit) contact using 3.2mm PC board
7,15	15,6	8609.78.724	suitable for one wire wrap on 15.9mm (pressfit) contact using 2.4mm PC board

standard offset:
(dimension A) is 0.3mm conforming to DIN 41612 specification.
For users requiring an offset of 0.73mm (conforming to HE11) specification the '78' within the part number is replaced by '79'.

colour:
– standard colour is grey.
– part number 8609.78.532-1 (blue colour) conforms to British Telecom (BT222) requirements.
– other colours are available on request.

latch frames for modules & 3 row connectors





Latch frame for modules: Part no. 8609.2235.3 (with polarising lugs shown in blue)
Latch frame for 3 row connectors: Part no. 8609.2237.3 (without polarising lugs)

colour (latch frames and latches):
– standard colour is grey (indicated by suffix -3 in part numbers shown)
– part numbers with suffix -1 (blue colour) conform to British Telecom (BT222) requirements e.g. 8609.2235-1
– black latch frames and latches can be supplied – order with part number without any suffix. e.g. 8609.2237.

latch



Latch:
Part no. 8609.2238.3

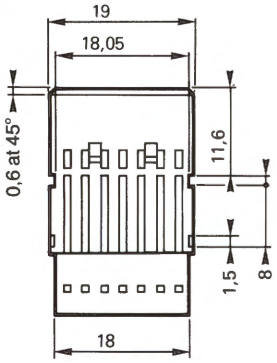
DIN 41612
derived back panel system

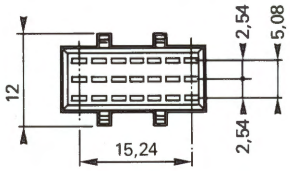
souriau series 8609

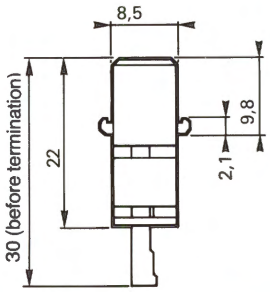
IDC modules & receptacles for rear or front plug up assembly

IDC connectors and modules provide cable termination for wire range – 0.25 to 0.4 ∅ single solid core based on the IDC. Principle offering low applies cost, mass termination.

14 & 21 contact modules





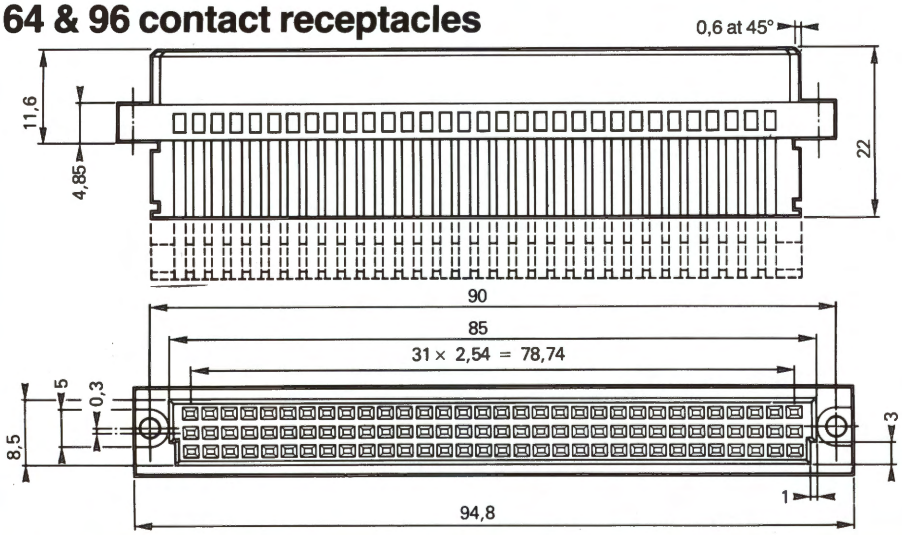


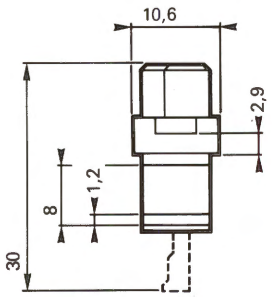
– 14 contacts – 3 row module with rows a and c loaded, part no: 8609.414.40.61.3■5.050

– 21 contacts – 3 row module fully loaded, part no: 8609.321.40.61.3■5.050

■ alternative plating to BT specification available – consult us

64 & 96 contact receptacles

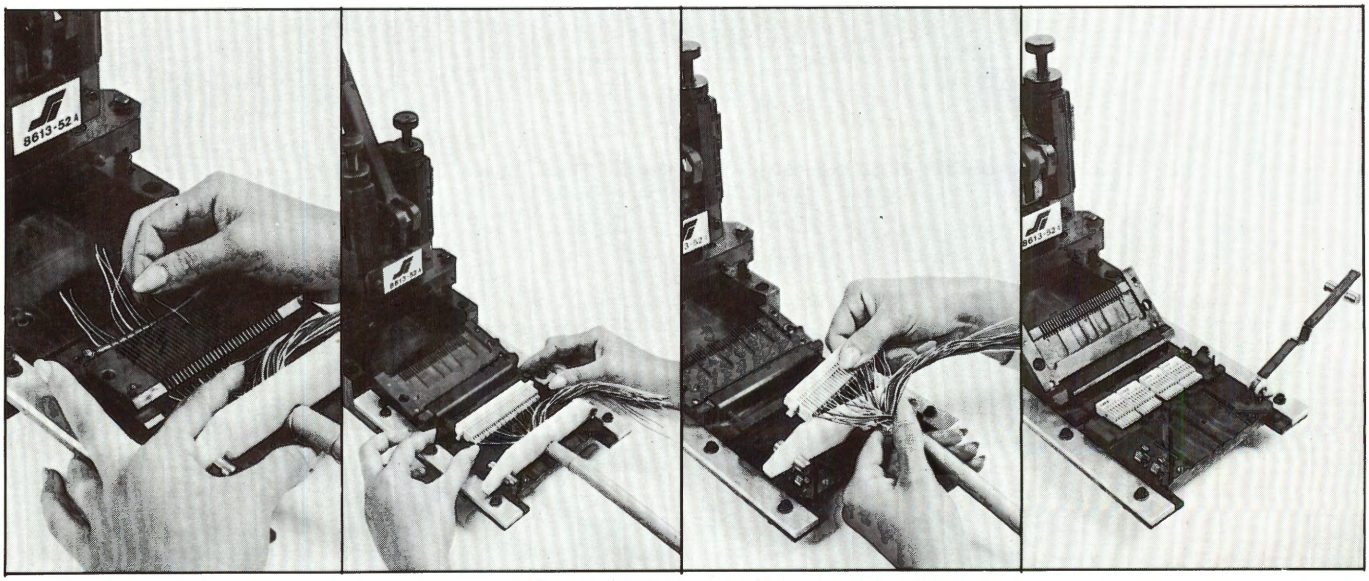




64 way (centre row not loaded)
Part no: 8609.464.81.61.355.050

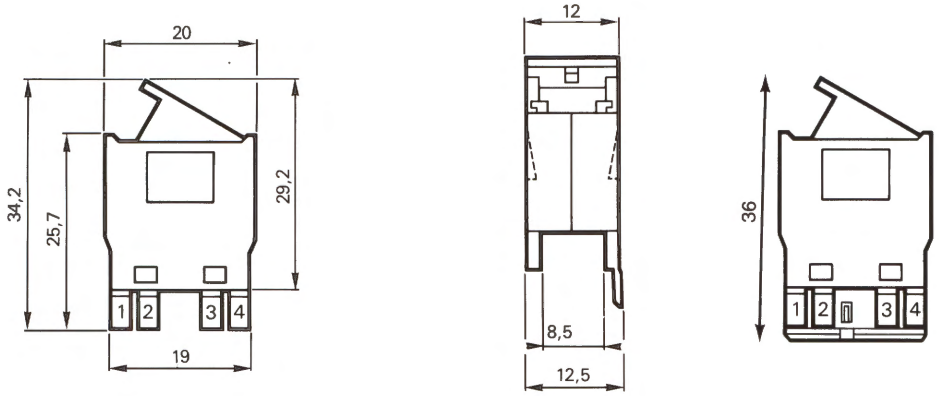
96 way (fully loaded)
Part no: 8609.396.81.61.355.050

IDC manual bench press part no. 8609/2469. Pneumatic version also available – consult us



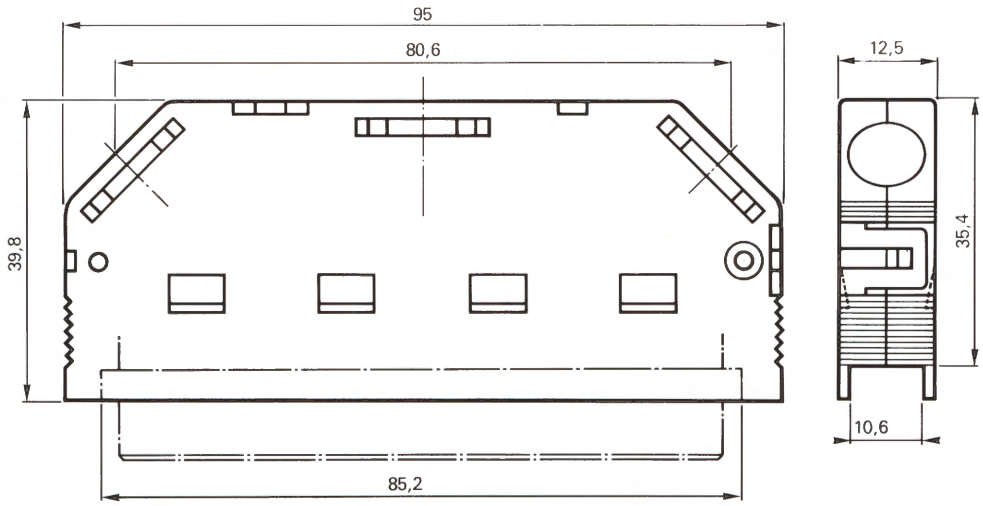
hoods for IDC modules & receptacles

hood for 14 & 21 contact modules



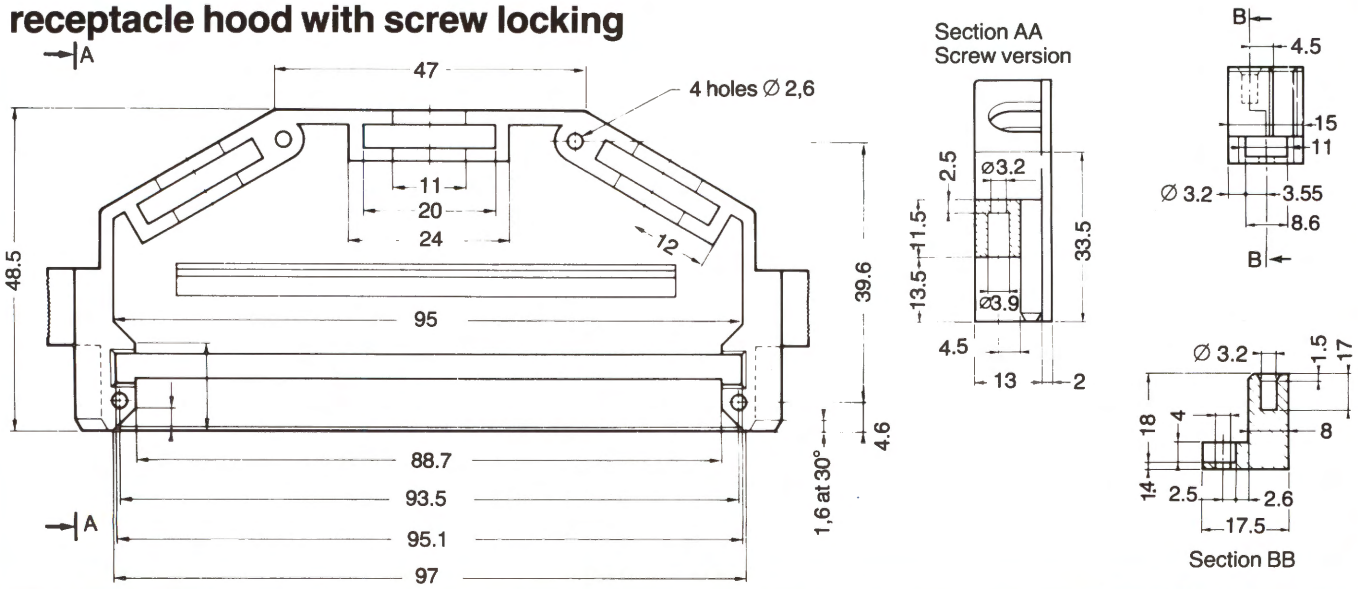
Hood with
cable clamp,
part no. 8609.3157

receptacle hood with latch locking



Hood with latch locking for
64 and 96 contact receptacle
illustrated opposite,
part no. 8609.3159

receptacle hood with screw locking



DIN 41612
derived
modular system

souriau
series 8609

modular systems 30 and 40

The 8609-30 and -40 systems are modular interconnection systems for back-plane/cable applications being designed to allow modules to be individually wired or wired from main cable spurs. They form part of a connection system on the front face of the card and complement other items conforming to European standard specifications.

Their design permits very simple setting up. The modular assembly consists of a 96 way plug or up to four 21 way modules with standard female contacts. Single and double modules and full width hoods are to cover the available wire wrap terminations.

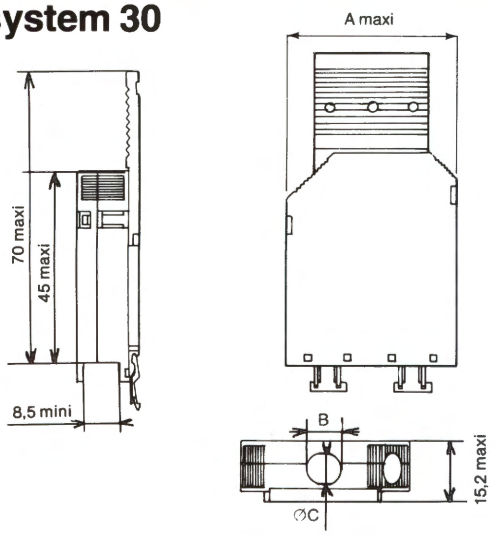
21, 14 and 7 contact modules are listed on page 24 of this catalogue.

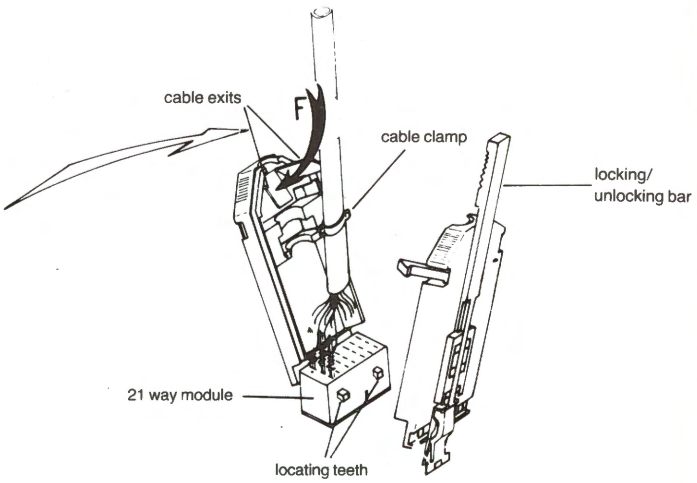
The system 8609-30 uses a 96 way DIN series R reverse mount receptacle fitted with a lateral locking bar. This receptacle can be assembled with a transverse pitch of 15.24mm.

The system 8609-40 additionally offers the possibility of additional rear interconnection to provide a stackable system. Use can be made of special rear access hoods to connect further modules onto the tail of the wire wrap terminations. Single, double, triple and quadruple module assemblies are available.

Both systems offer easy assembly, mating and unmating operations.

system 30

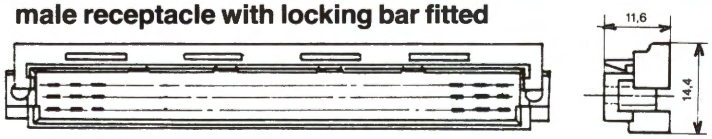




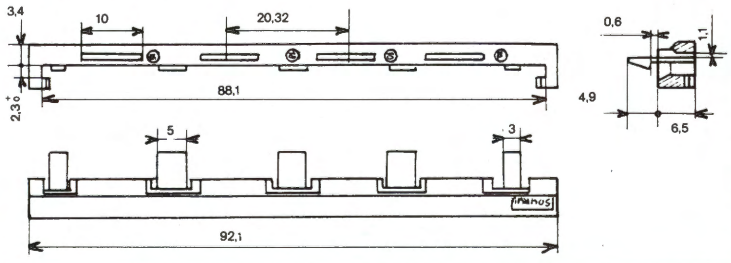
system 30 hoods dimensions and part numbers

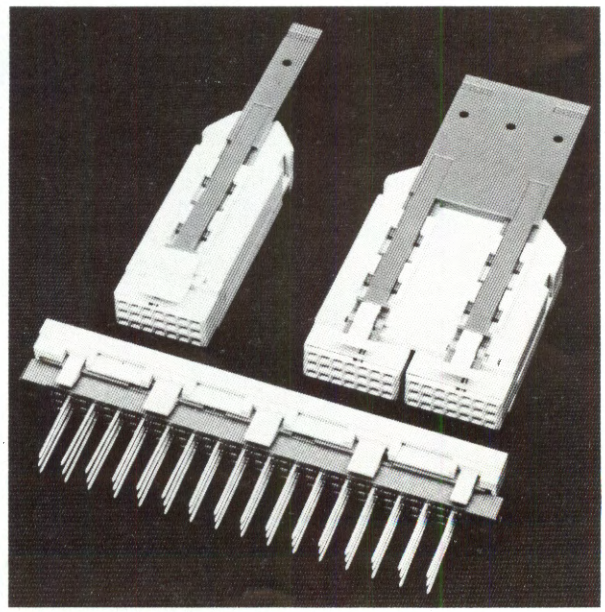
hoods	dimensions			with locking bar w/o cable clamp	with locking bar with cable clamp	w/o locking bar w/o cable clamp
	A max.	B	C			
1 × 21	19.35	5	5	8609 – 356	8609 – 391	8609 – 394
2 × 21	39.66	10	7	8609 – 355	8609 – 392	8609 – 395
1 × 96	95.80	12	10	8609 – 353	8609 – 393	8609 – 396

male receptacle with locking bar fitted



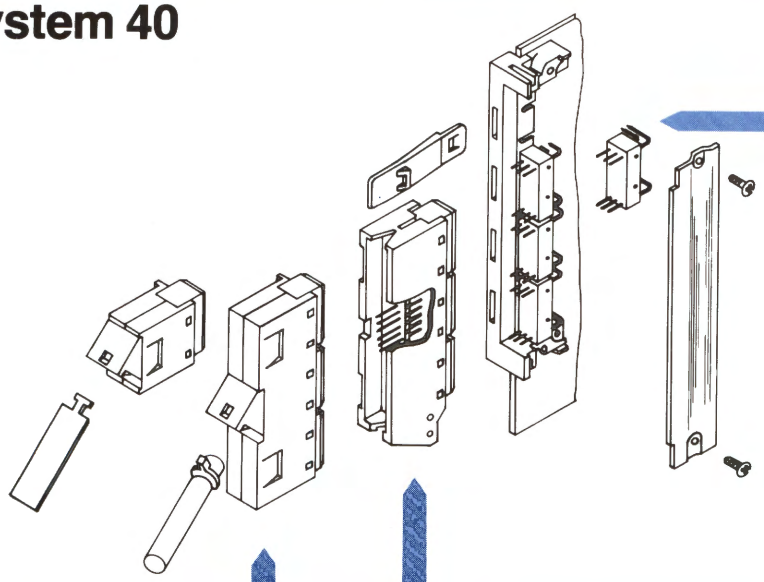
locking bar





hoods & bridges for system 40

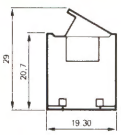
system 40



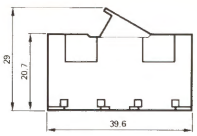
receptacle accessories

locking bar	8609-412
extraction piece	8609-413
simple metallic bracket	8609-470
double metallic bracket	8609-416
snap locking bar	8609-409
screw	8609-450
module with pin contacts	8609-396-30-13-355

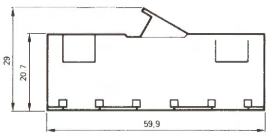
hoods



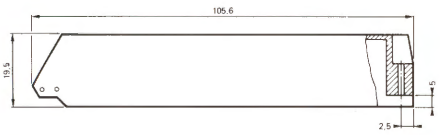
hood for
single module
part number 8609-433

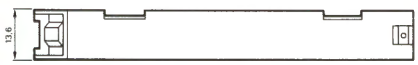


hood for
two modules
part number 8609-434



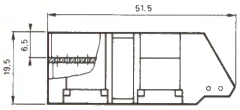
hood for triple module
part number 8609-435

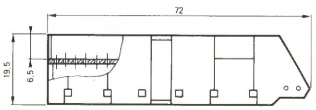


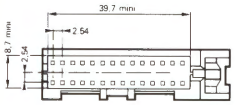


hood for four modules or 96 way connector
part number 8609-436

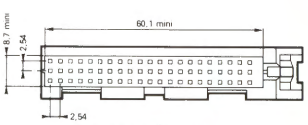
bridges



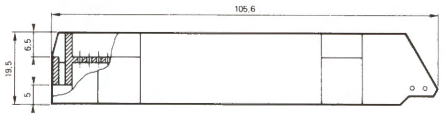




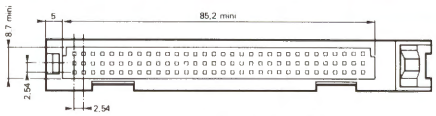
bridge for use
with two modules
part number 8609-437



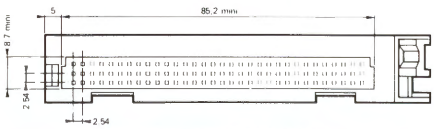
bridge for use
with three modules
part number 8609-438



bridges for use with four modules or 96 way connector



part number 8609-439

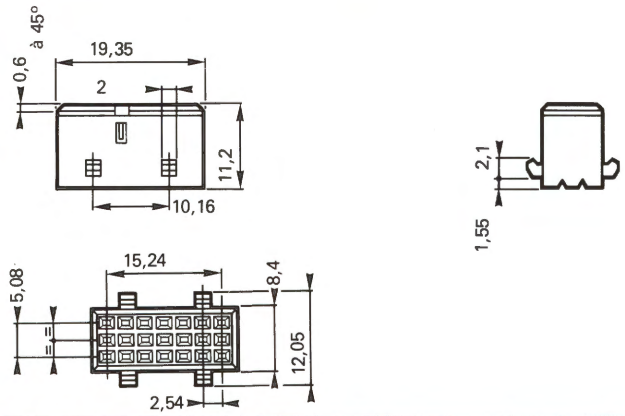


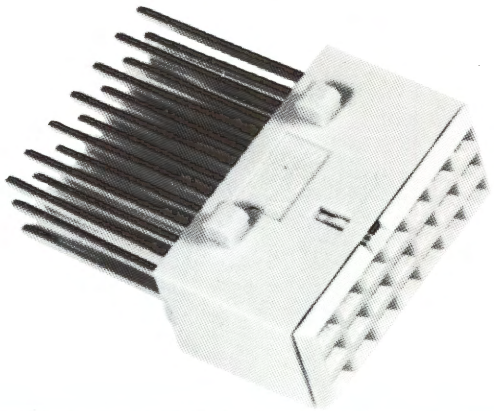
part number 8609-440

DIN 41612
derived modular systems

souriau series 8609

modules for systems 30 & 40

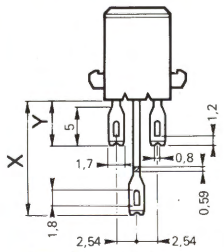




ordering information

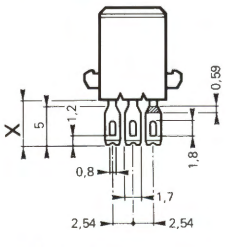
No. of Cts.	Rows with Contacts	Min. No. of Ops.	Class	Part Number
2.54mm pitch				
21	a b c	400	DIN 41612 class 2	8609.321.40. .355.000
21	a b c	500	DIN 41612 class 1	8609.321.40. .365.000
21	a b c	500	VG95324	8609.321.40. .375.000
14	a b –	400	DIN 41612 class 2	8609.214.40. .355.000
14	a b –	500	DIN 41612 class 1	8609.214.40. .365.000
14	a b –	500	VG95324	8609.214.40. .375.000
14	a – c	400	DIN 41612 class 2	8609.414.40. .355.000
14	a – c	500	DIN 41612 class 1	8609.414.40. .365.000
14	a – c	500	VG95324	8609.414.40. .375.000
7	a – –	400	DIN 41612 class 2	8609.107.40. .355.000
7	a – –	500	DIN 41612 class 1	8609.107.40. .365.000
7	a – –	500	VG95324	8609.107.40. .375.000
5.08mm pitch				
12	a b c	400	DIN 41612 class 2	8609.312.40. .355.000
12	a b c	500	DIN 41612 class 1	8609.312.40. .365.000
12	a b c	500	VG95324	8609.312.40. .375.000
8	a b –	400	DIN 41612 class 2	8609.208.40. .355.000
8	a b –	500	DIN 41612 class 1	8609.208.40. .365.000
8	a b –	500	VG95324	8609.208.40. .375.000
8	a – c	400	DIN 41612 class 2	8609.408.40. .355.000
8	a – c	500	DIN 41612 class 1	8609.408.40. .365.000
8	a – c	500	VG95324	8609.408.40. .375.000

08



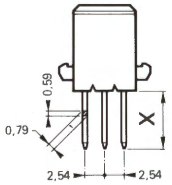
08 X = 13.4mm
Y = 5.4mm
solder eyelet

09-10



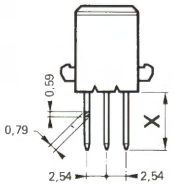
09 X = 5.4mm
10 X = 13.4mm
solder eyelet

15



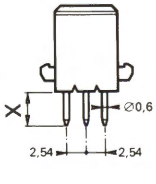
15 X = 13mm
wire wrap

25



35 X = 7mm
wire wrap

14



14 X = 4mm
straight spill

■ = preferred style – other termination lengths on special request.

souriau series 5159
32/48 contacts 2.54/5.08mm pitch

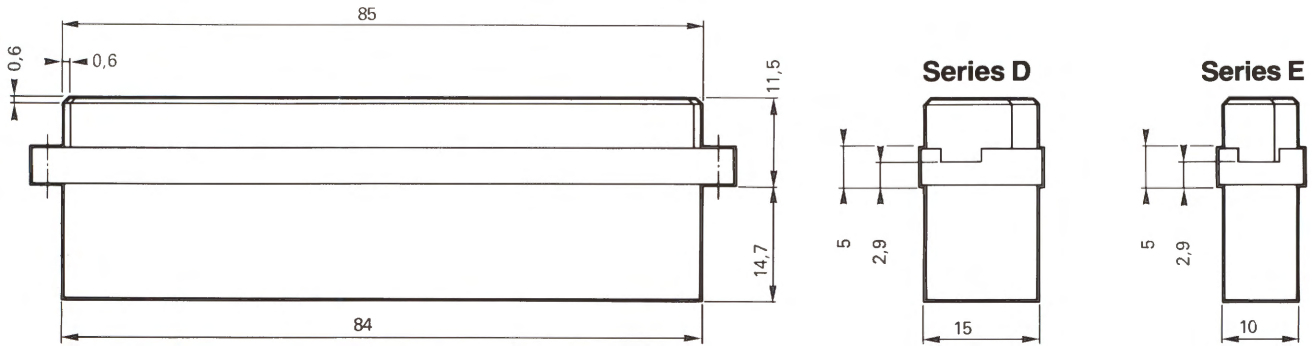
receptacles with crimp contacts

DIN 41612 series D-E-F crimp

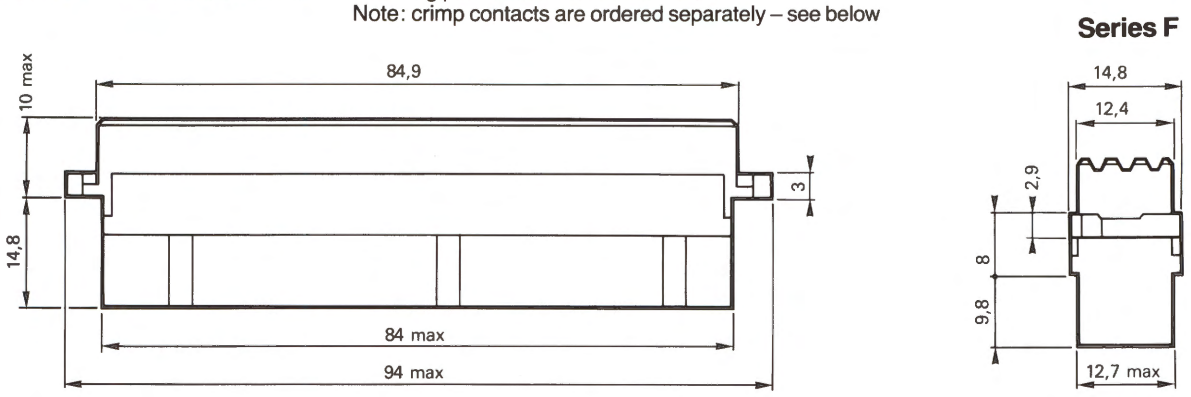
for other termination styles in series D, E and F see pages 26–33

Series D – 32 contacts Ordering part number: 5159.035.29.03
Note: crimp contacts are ordered separately – see below

Series E – 32/48 contacts Ordering part number: 5159.036.29.03
Note: crimp contacts are ordered separately – see below



Series F – 32/48 contacts Ordering part number: 5159.009.29.03
Note: crimp contacts are ordered separately – see below



contacts and tools

Single contacts

5159.027.02.22 (0.14 – 0.5mm²)
5159.027.02.23 (0.75 – 1.5mm²)

Contacts on reel (2.500 contacts per reel)

5159.027.02.42 (0.14 – 0.5mm²)
5159.027.02.43 (0.75 – 1.5mm²)

Contacts on reel (200 contacts per reel)

5159.027.02.32 (0.14 – 0.5mm²)
5159.027.02.33 (0.75 – 1.5mm²)

assembly and termination tooling

mounting tools

Crimping tool with locator for single contacts

5106.013.02.02 (0.14 – 0.5 mm²)
5106.013.02.03 (0.75 – 1.5 mm²)

Crimping tool for contact reel

5106.013.05.02 (0.14 – 0.5 mm²)
5106.013.05.03 (0.75 – 1.5 mm²)

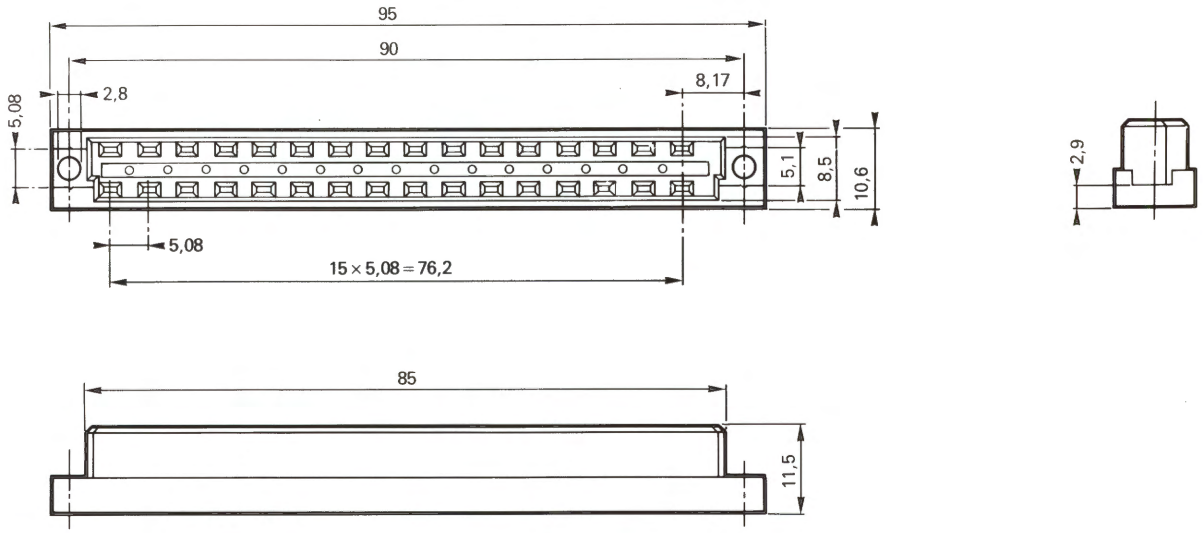
Automatic strip/crimp-machine
for contact reel (on request) 5106.013.03.00

tool insert (0.14 – 0.5mm²): 5106.013.03.02
(0.75 – 1.5mm²): 5106.013.03.03

Insertion tool for crimp-contacts 5106.013.01.02

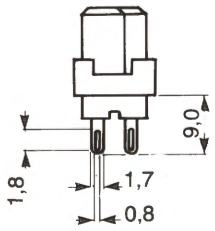
Extraction tool for crimp-contacts 5106.013.01.01

receptacles



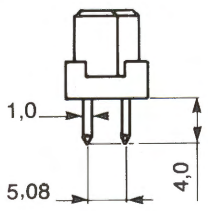
ordering information

solder eyelet
11



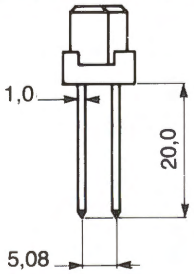
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
32	a c	500	1	5159.035.32.11.94.11
32	a c	400	2	5159.035.32.11.93.11
32	a c	50	3	5159.035.32.11.91.11

straight spill
12
1mm × 1mm × 4mm



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
32	a c	500	1	5159.035.32.12.94.11
32	a c	400	2	5159.035.32.12.93.11
32	a c	50	3	5159.035.32.12.91.11

wire wrap
15
1mm × 1mm × 22mm

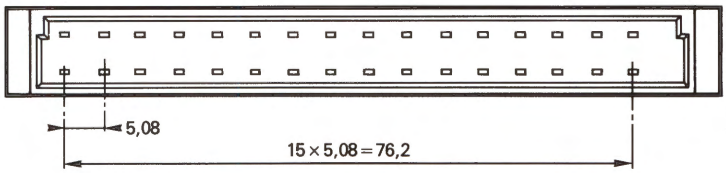


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
32	a c	500	1	5159.035.32.15.94.11
32	a c	400	2	5159.035.32.15.93.11
32	a c	50	3	5159.035.32.15.91.11

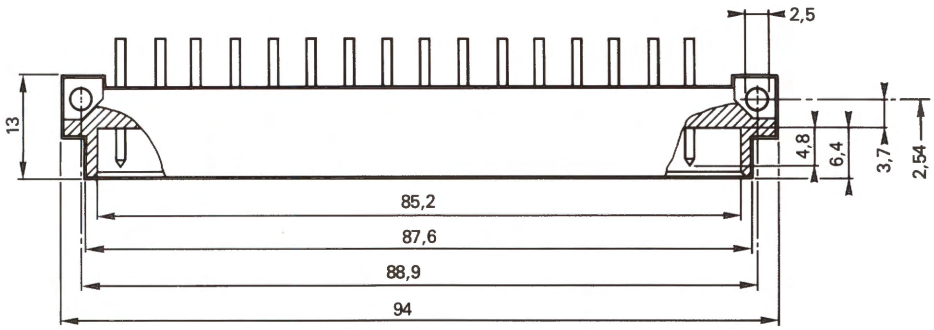
32 contacts
5.08mm pitch

DIN 41612
series D

plugs

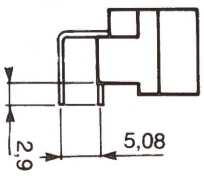






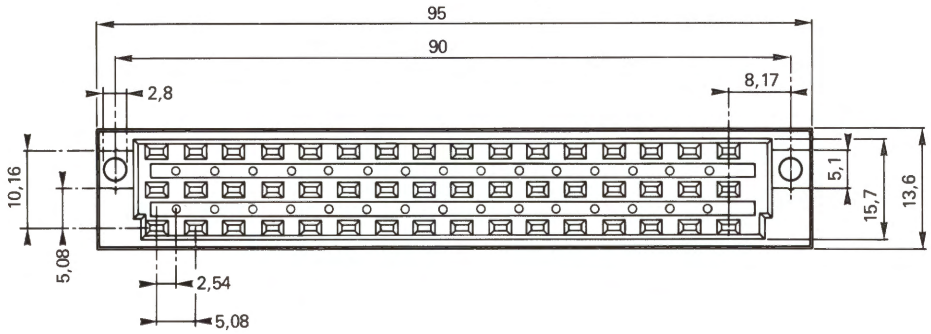
ordering information

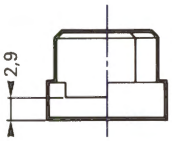
angled spill
63

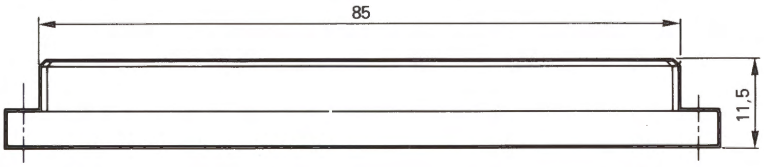


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
32	a c	500	1	5159.035.32.63.94.11
32	a c	400	2	5159.035.32.63.54.11
32	a c	50	3	5159.035.32.63.34.11

receptacles

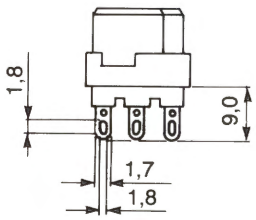






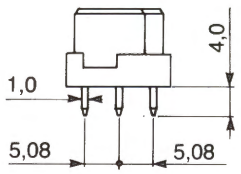
ordering information

solder eyelet
11



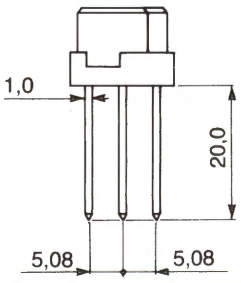
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	a c e	500	1	5159.036.48.11.94.111
48	a c e	400	2	5159.036.48.11.93.111
48	a c e	50	3	5159.036.48.11.91.111

straight spill
12
1mm × 1mm × 4mm



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	a c e	500	1	5159.036.48.12.94.111
48	a c e	400	2	5159.036.48.12.93.111
48	a c e	50	3	5159.036.48.12.91.111

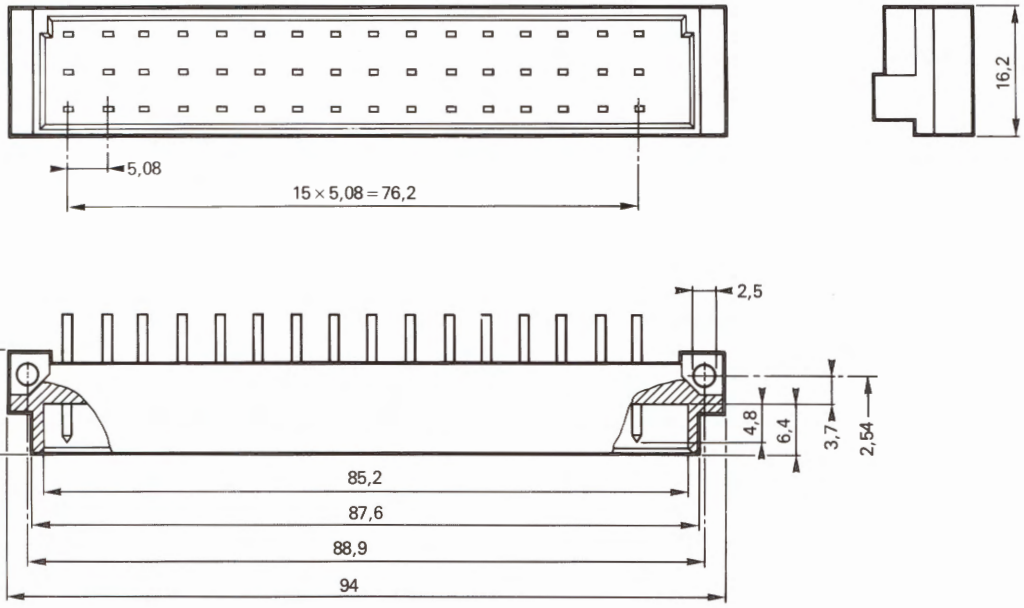
wire wrap
15
1mm × 1mm × 20mm



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	a c e	500	1	5159.036.48.15.94.111
48	a c e	400	2	5159.036.48.15.93.111
48	a c e	50	3	5159.036.48.15.91.111

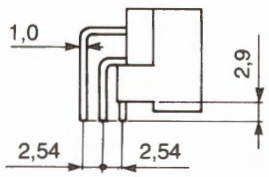
48 contacts
5.08mm pitch

plugs



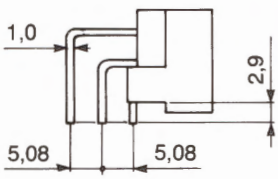
ordering information

angled spill
63
(2.54mm pitch)



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	a c e	500	1	5159.036.48.63.94.111
48	a c e	400	2	5159.036.48.63.54.111
48	a c e	50	3	5159.036.48.63.34.111

angled spill
63
(5.08mm pitch)

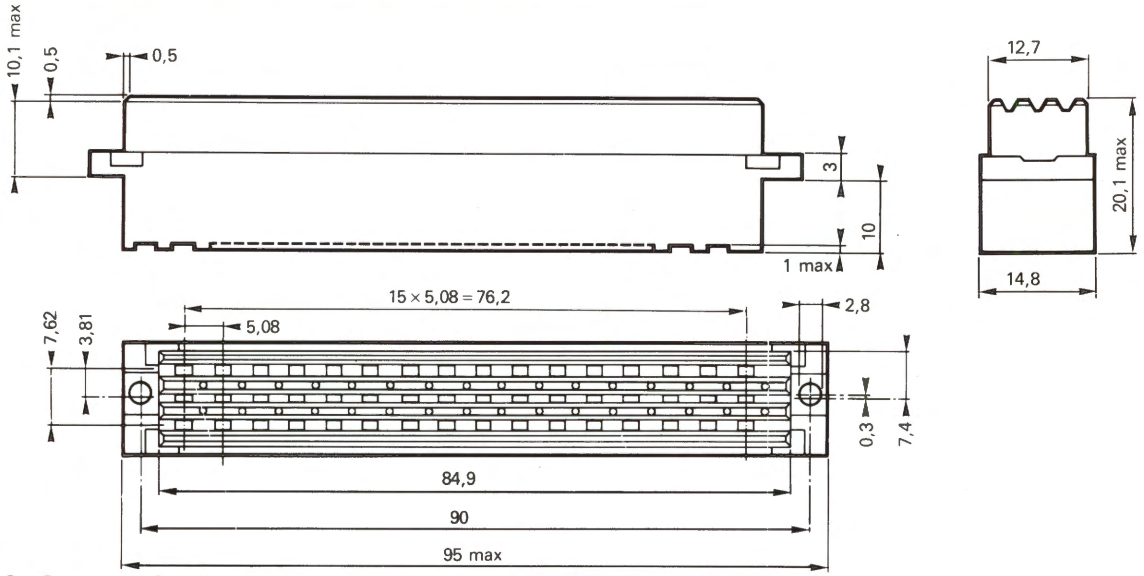


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	a c e	500	1	5159.036.48.63.94.222
48	a c e	400	2	5159.036.48.63.54.222
48	a c e	50	3	5159.036.48.63.34.222

DIN 41612
series F

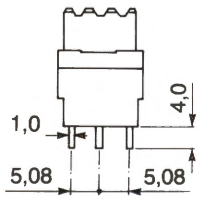
souriau series 5159.

receptacles



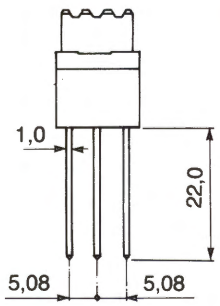
ordering information

straight spill
12
1mm × 1mm × 4mm



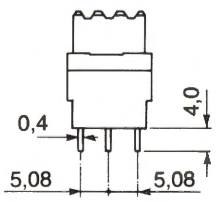
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.12.94.111
48	z b d	400	2	5159.009.48.12.93.111
48	z b d	50	3	5159.009.48.12.91.111
32	z b –	500	1	5159.009.32.12.94.110
32	z b –	400	2	5159.009.32.12.93.110
32	z b –	50	3	5159.009.32.12.91.110
32	z – d	500	1	5159.009.32.12.94.101
32	z – d	400	2	5159.009.32.12.93.101
32	z – d	50	3	5159.009.32.12.91.101

wire wrap
15
1mm × 1mm × 22mm



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.15.94.111
48	z b d	400	2	5159.009.48.15.93.111
48	z b d	50	3	5159.009.48.15.91.111
32	z b –	500	1	5159.009.32.15.94.110
32	z b –	400	2	5159.009.32.15.93.110
32	z b –	50	3	5159.009.32.15.91.110
32	z – d	500	1	5159.009.32.15.94.101
32	z – d	400	2	5159.009.32.15.93.101
32	z – d	50	3	5159.009.32.15.91.101

straight spill
18
0.4mm × 0.6mm × 4mm



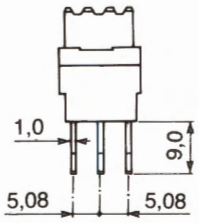
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.18.94.111
48	z b d	400	2	5159.009.48.18.93.111
48	z b d	50	3	5159.009.48.18.91.111
32	z b –	500	1	5159.009.32.18.94.110
32	z b –	400	2	5159.009.32.18.93.110
32	z b –	50	3	5159.009.32.18.91.110
32	z – d	500	1	5159.009.32.18.94.101
32	z – d	400	2	5159.009.32.18.93.101
32	z – d	50	3	5159.009.32.18.91.101

32/48 contacts 5.08mm pitch

DIN 41612 series F

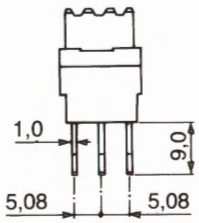
receptacles (cont.)

solder eyelet
open spill
11



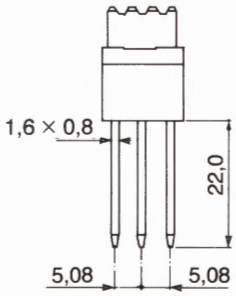
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.909.48.11.94.111
48	z b d	400	2	5159.909.48.11.93.111
48	z b d	50	3	5159.909.48.11.91.111
32	z b –	500	1	5159.909.32.11.94.110
32	z b –	400	2	5159.909.32.11.93.110
32	z b –	50	3	5159.909.32.11.91.110
32	z – d	500	1	5159.909.32.11.94.101
32	z – d	400	2	5159.909.32.11.93.101
32	z – d	50	3	5159.909.32.12.91.101

solder eyelet
closed spill
14



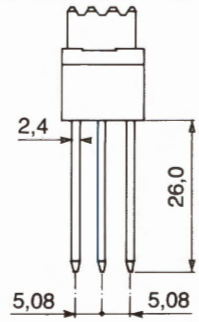
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.909.48.14.94.111
48	z b d	400	2	5159.909.48.14.93.111
48	z b d	50	3	5159.909.48.14.91.111
32	z b –	500	1	5159.909.32.14.94.110
32	z b –	400	2	5159.909.32.14.93.110
32	z b –	50	3	5159.909.32.14.91.110
32	z – d	500	1	5159.909.32.14.94.101
32	z – d	400	2	5159.909.32.14.93.101
32	z – d	50	3	5159.909.32.14.91.101

Termi-point®
16
1.6 × 0.8



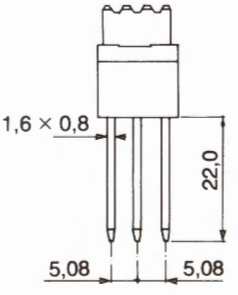
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.17.94.111
48	z b d	400	2	5159.009.48.17.93.111
48	z b d	50	3	5159.009.48.17.91.111
32	z b –	500	1	5159.009.32.17.94.110
32	z b –	400	2	5159.009.32.17.93.110
32	z b –	50	3	5159.009.32.17.91.110
32	z – d	500	1	5159.009.32.17.94.101
32	z – d	400	2	5159.009.32.17.93.101
32	z – d	50	3	5159.009.32.17.91.101

Termi-point®
17
2.4 × 0.8



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.16.94.111
48	z b d	400	2	5159.009.48.16.93.111
48	z b d	50	3	5159.009.48.16.91.111
32	z b –	500	1	5159.009.32.16.94.110
32	z b –	400	2	5159.009.32.16.93.110
32	z b –	50	3	5159.009.32.16.91.110
32	z – d	500	1	5159.009.32.16.94.101
32	z – d	400	2	5159.009.32.16.93.101
32	z – d	50	3	5159.009.32.16.91.101

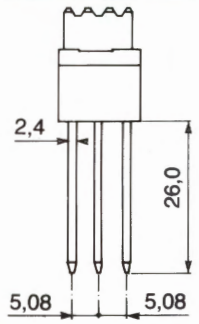
Termi-point®
16
1.6 × 0.8
gold plated version



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.16.51.111
32	z b –	500	1	5159.009.32.16.51.110
32	z – d	500	1	5159.009.32.16.51.101

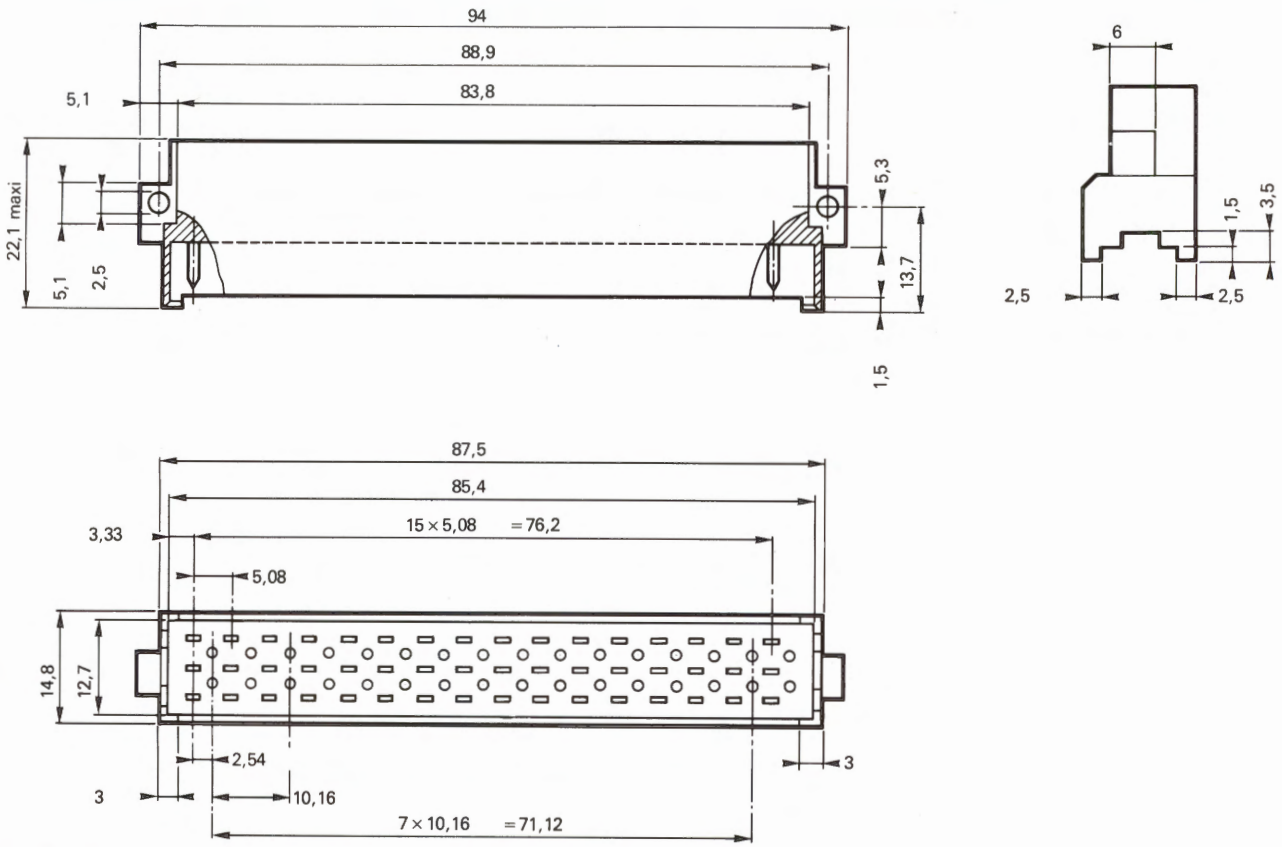
receptacles (cont.)

Termi-point®
17
2.4 × 0.8
gold plated version



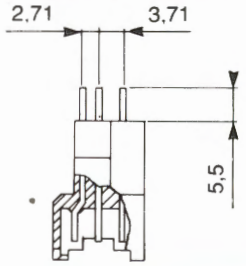
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.17.51.111
32	z b –	500	1	5159.009.32.17.51.110
32	z – d	500	1	5159.009.32.17.51.101

plugs



ordering information – 32 hole polarization

Solder eyelet
61
2.4 × 0.8
32 hole polarisation

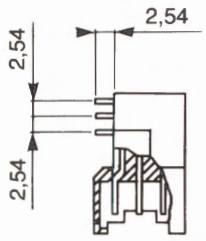


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.61.94.111
48	z b d	400	2	5159.009.48.61.54.111
32	z b –	500	1	5159.009.32.61.94.110
32	z b –	400	2	5159.009.32.61.54.110
32	z – d	500	1	5159.009.32.61.94.101
32	z – d	400	2	5159.009.32.61.54.101

plugs (cont.)

angled spill
63

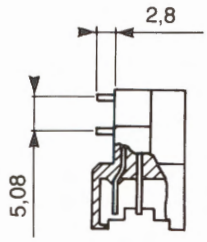
2.54mm row spacing
32 hole polarization



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.63.94.111
48	z b d	400	2	5159.009.48.63.54.111
48	z b d	50	3	5159.009.48.63.34.111
32	z b –	500	1	5159.009.32.63.94.110
32	z b –	400	2	5159.009.32.63.54.110
32	z b –	50	3	5159.009.32.63.34.110
32	z – d	500	1	5159.009.32.63.94.101
32	z – d	400	2	5159.009.32.63.54.101
32	z – d	50	3	5159.009.32.63.34.101

angled spill
63

5.08mm row spacing
32 hole polarization

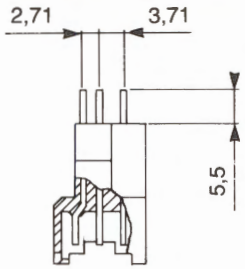


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
32	z b –	500	1	5159.009.32.63.94.130
32	z b –	400	2	5159.009.32.63.54.130
32	z b –	50	3	5159.009.32.63.34.130

ordering information – 8 hole polarization

solder eyelet
21

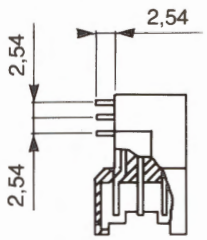
8 hole polarization



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.21.94.111
48	z b d	400	2	5159.009.48.21.54.111
32	z b –	500	1	5159.009.32.21.94.111
32	z b –	400	2	5159.009.32.21.54.110
32	z – d	500	1	5159.009.32.21.94.101
32	z – d	400	2	5159.009.32.21.54.101

angled spill
23

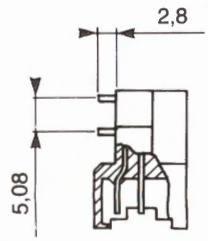
2.54mm row spacing
8 hole polarization



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
48	z b d	500	1	5159.009.48.23.94.111
48	z b d	400	2	5159.009.48.23.54.111
48	z b d	50	3	5159.009.48.23.34.111
32	z b –	500	1	5159.009.32.23.94.110
32	z b –	400	2	5159.009.32.23.54.110
32	z b –	50	3	5159.009.32.23.34.110
32	z – d	500	1	5159.009.32.23.94.101
32	z – d	400	2	5159.009.32.23.54.101
32	z – d	50	3	5159.009.32.23.34.101

angled spill
23

5.08mm row spacing
8 hole polarization

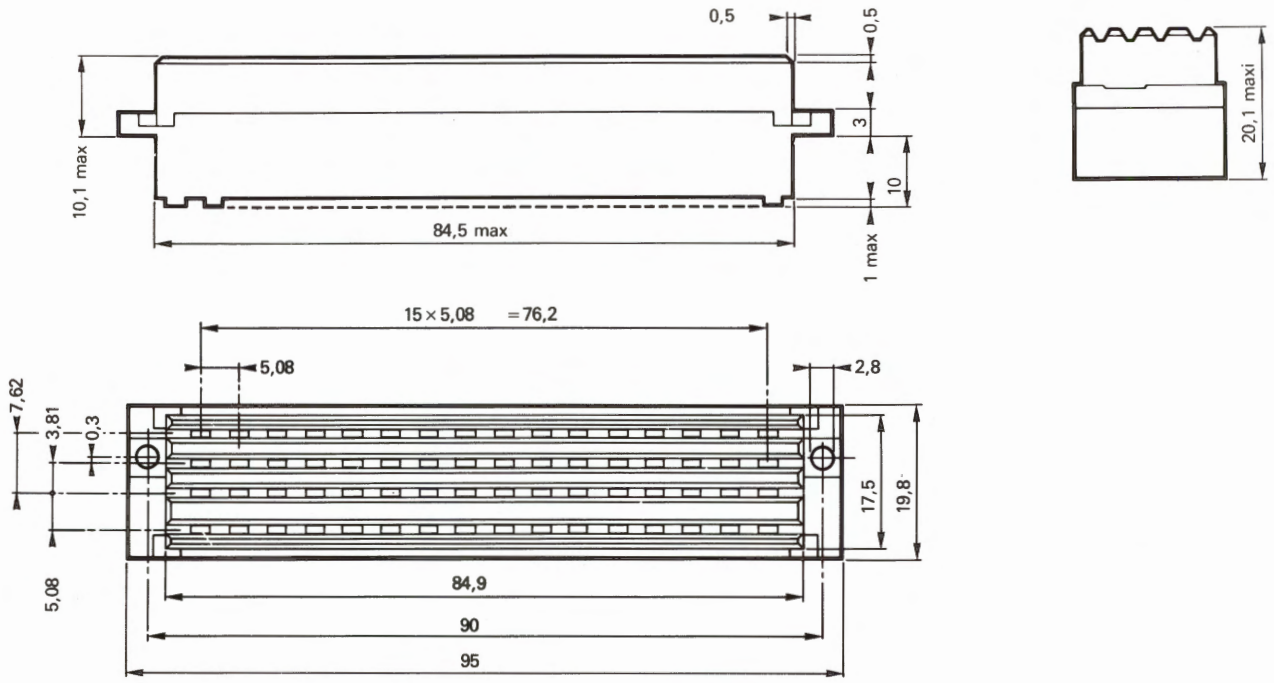


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
32	z b –	500	1	5159.009.32.23.94.130
32	z b –	400	2	5159.009.32.23.54.130
32	z b –	50	3	5159.009.32.23.34.130

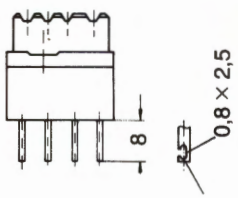
DIN 41612
series G

souriau series 5159

receptacles

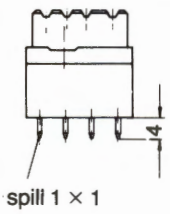


solder eyelet
11



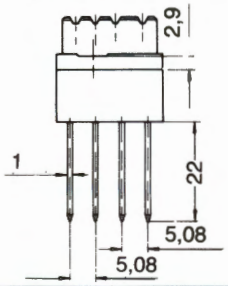
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
64	z b d f	500	1	5159.009.64.11.94.1111
64	z b d f	400	2	5159.009.64.11.93.1111
64	z b d f	50	3	5159.009.64.11.91.1111

straight spill
12



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
64	z b d f	500	1	5159.009.64.12.94.1111
64	z b d f	400	2	5159.009.64.12.93.1111
64	z b d f	50	3	5159.009.64.12.91.1111

wire wrap
15



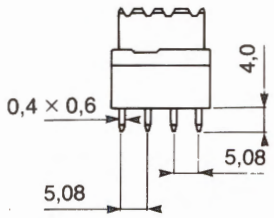
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
64	z b d f	500	1	5159.009.64.15.94.1111
64	z b d f	400	2	5159.009.64.15.93.1111
64	z b d f	50	3	5159.009.64.15.91.1111

64 contacts
5.08mm pitch

DIN 41612
series G

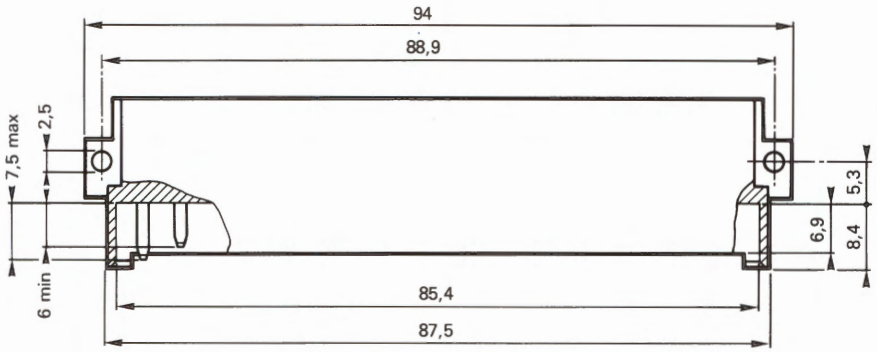
receptacles (cont.)

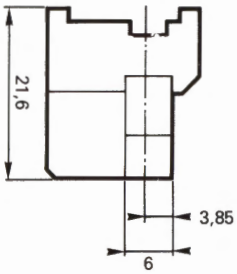
straight spill
18

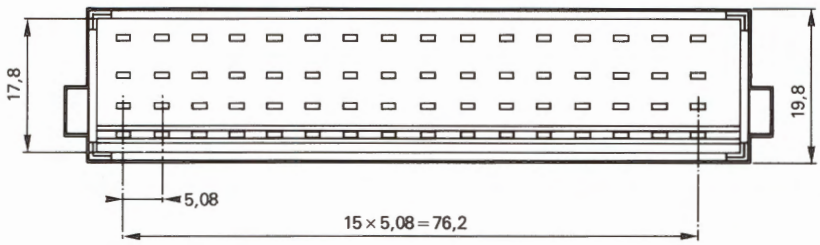


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
64	z b d f	500	1	5159.009.64.18.94.1111
64	z b d f	400	2	5159.009.64.18.93.1111
64	z b d f	50	3	5159.009.64.18.91.1111

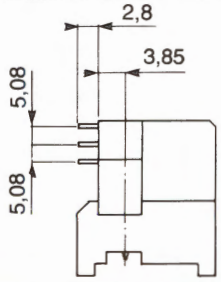
plugs







angled spill
63

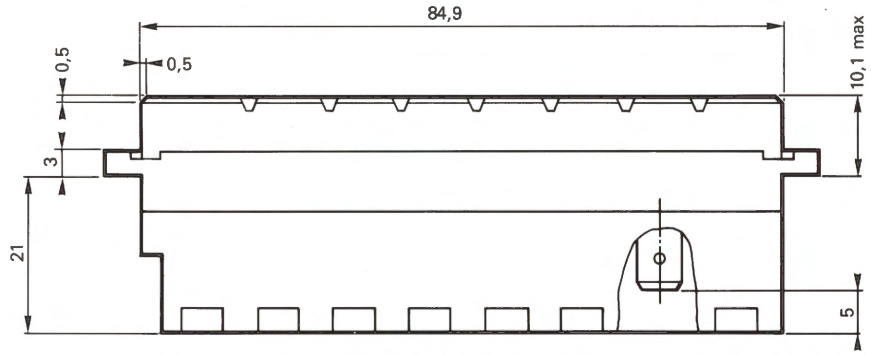


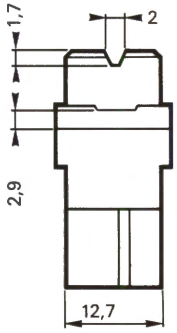
No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
64	z b d f	500	1	5159.009.64.63.94.1111
64	z b d f	400	2	5159.009.64.63.54.1111
64	z b d f	50	3	5159.009.64.63.34.1111

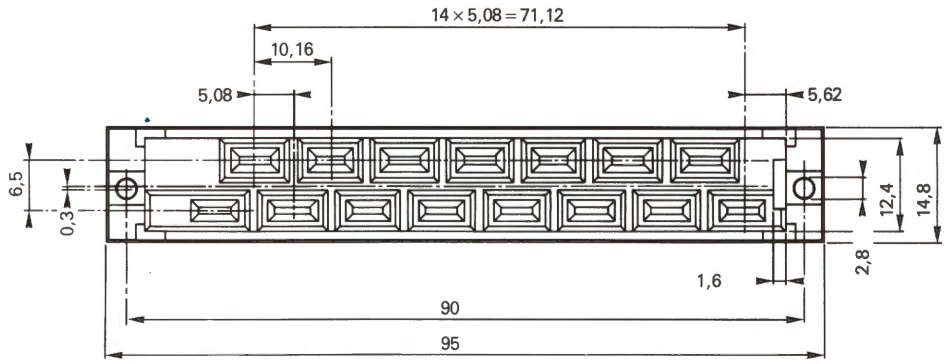
DIN 41612
series H 15

souriau
series 5159

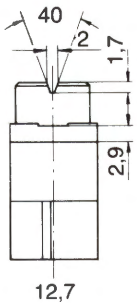
receptacles





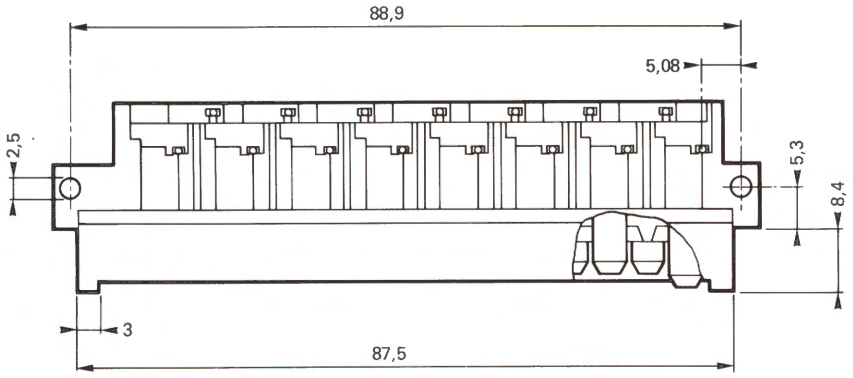


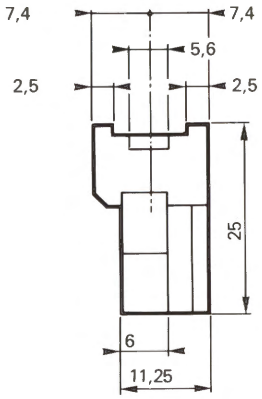
faston®
19

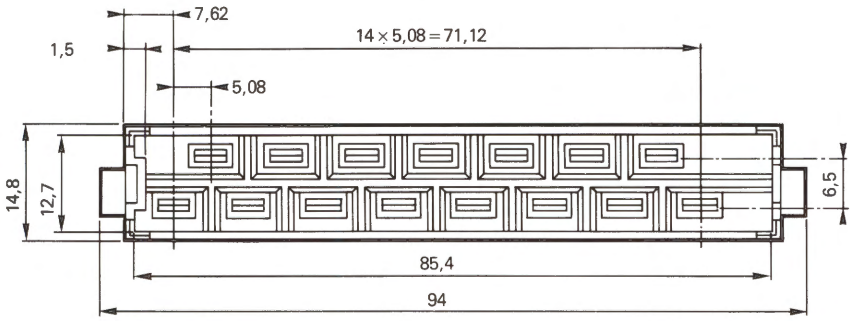


No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
15	z d	500	1	5159.029.15.19.620

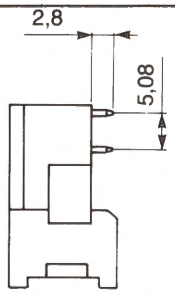
plugs





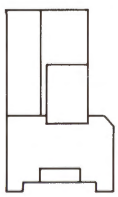


angled spill
23



No. of Contacts	Rows with Contacts	Min. No. of Ops.	DIN Class	Souriau Part Number
15	z d	500	1	5159.029.15.23.660

faston®
29

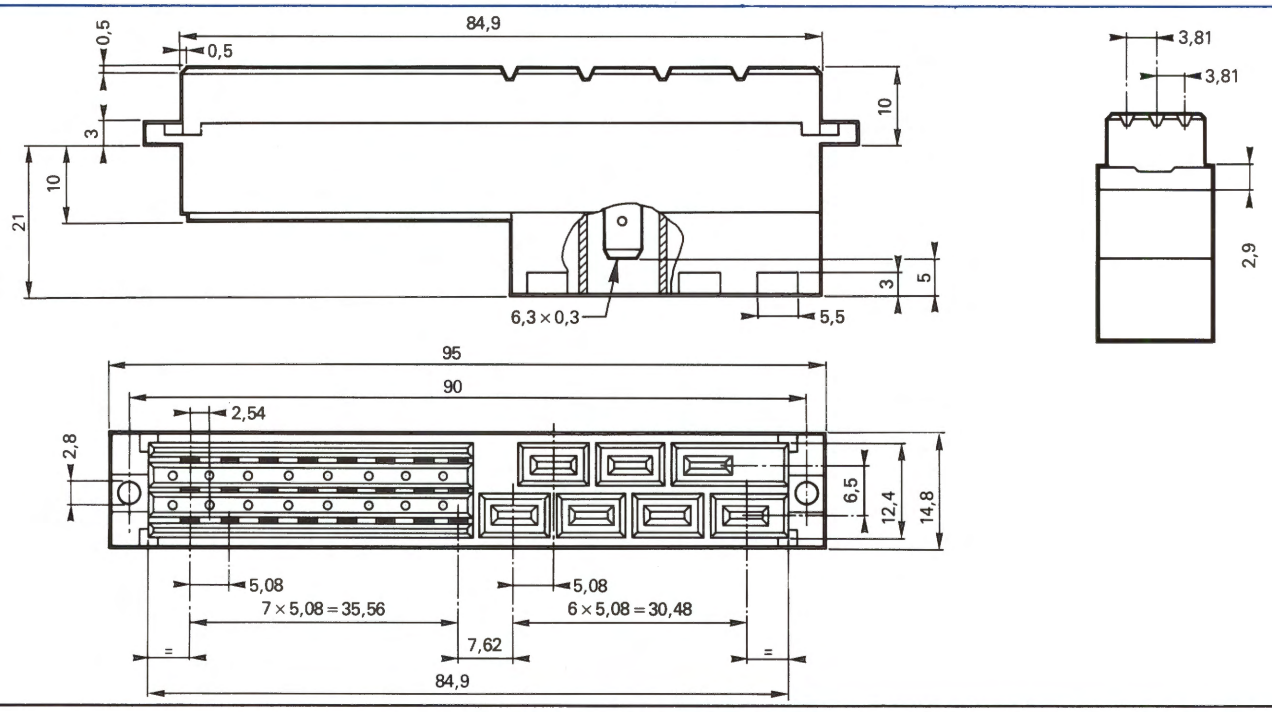


No. of Contacts	Rows with Contacts	Min. No. of Ops.	Class	Souriau Part Number
15	z d	500	1	5159.029.15.29.620

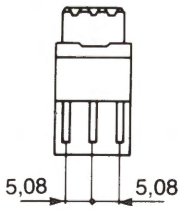
DIN 41612
derived 'Mixed' series

souriau series 5159

receptacles

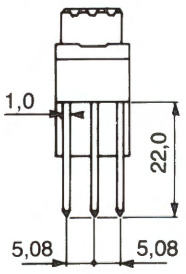


solder eyelet
11



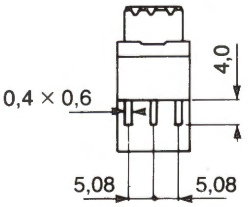
No. of Contacts	Rows with Contacts	Min. No. of Ops.	Souriau Part Number	Notes
24 +7	z b d z – d	500	5159.002.31.11.94.111	DIN related series
24 +7	z b d z – d	400	5159.002.31.11.93.111	DIN related series
24 +7	z b d z – d	50	5159.002.31.11.91.111	DIN related series

wire wrap
15



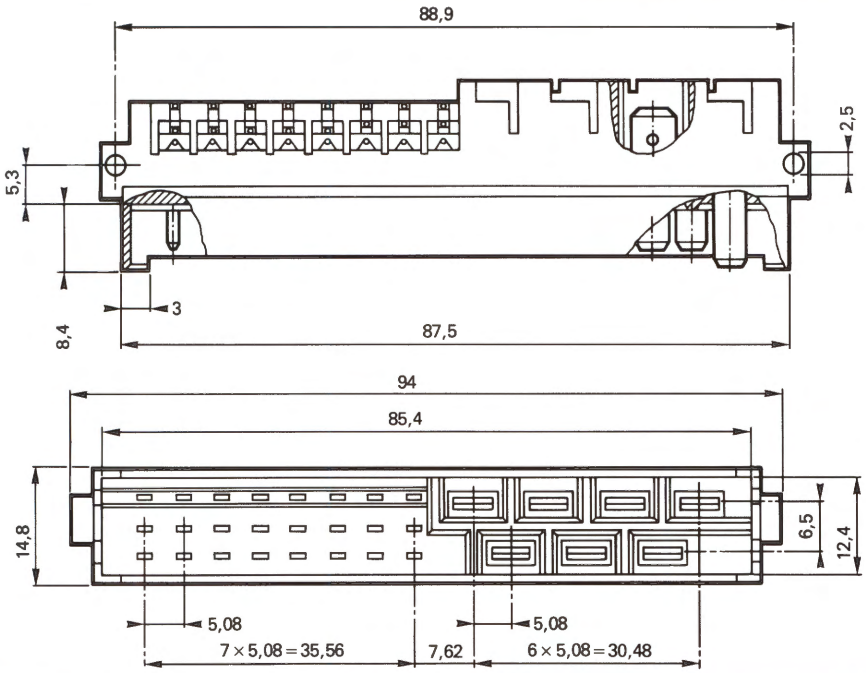
No. of Contacts	Rows with Contacts	Min. No. of Ops.	Souriau Part Number	Notes
24 +7	z b d z – d	500	5159.002.31.15.94.111	DIN related series
24 +7	z b d z – d	400	5159.002.31.15.93.111	DIN related series
24 +7	z b d z – d	50	5159.002.31.15.91.111	DIN related series

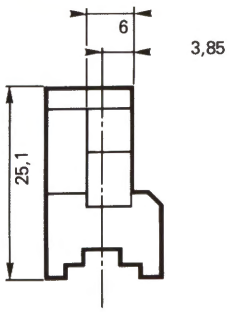
straight spill
18



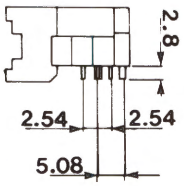
No. of Contacts	Rows with Contacts	Min. No. of Ops.	Souriau Part Number	Notes
24 +7	z b d z – d	500	5159.002.31.18.94.111	DIN related series
24 +7	z b d z – d	400	5159.002.31.18.93.111	DIN related series
24 +7	z b d z – d	50	5159.002.31.18.91.111	DIN related series

plugs



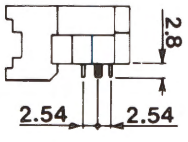


**angled spill
high and medium
power contacts
23**



No. of Contacts	Rows with Contacts	Min. No. of Ops.	Souriau Part Number	Notes
24 +7	z b d z – d	500	5159.002.31.23.94.111	DIN related series
24 +7	z b d z – d	400	5159.002.31.23.54.111	DIN related series
24 +7	z b d z – d	50	5159.002.31.23.34.111	DIN related series

**faston high power contacts
angled spill
medium power contacts
24**



No. of Contacts	Rows with Contacts	Min. No. of Ops.	Souriau Part Number	Notes
24 +7	z b d z – d	500	5159.002.31.24.94.111	DIN related series
24 +7	z b d z – d	400	5159.002.31.24.54.111	DIN related series
24 +7	z b d z – d	50	5159.002.31.24.34.111	DIN related series

Version also available with 3 power and 36 medium power contacts – contact us for further information.

Pressfit

technical characteristics of pressfit system

connection with rigid or compliant terminal posts

Materials – rigid terminal in copper alloy.
– compliant terminal in phosphor bronze.
– plating of pressfit contact area – SnPb or Ni + Au flash.

Insertion force per terminal post
– rigid
compliant 180N min.

Extraction force per terminal post
– rigid
compliant 45N min.

Insertion force of a 96 way connector
– with rigid terminal posts
– with compliant posts 18KN

Insertion force of a 64 way connector
– with rigid or compliant posts 16KN

Number of times terminal post replaceable without altering characteristics: rigid
compliant 3

Connection resistance 1mΩ

Electrical and environmental characteristics of the connectors conform to DIN 41612, BS9525-F0030, IEC 603-2, HE11

printed circuit boards (backpanel)

Materials – laminated epoxy glass
FR4 quality to BS4584 Pt3
Thickness of backpanel or board 2.4 and 3.2mm

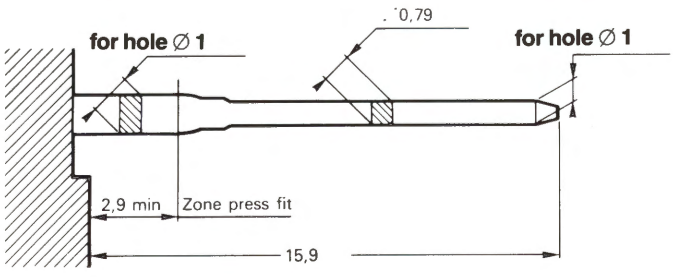
Hole dimensional detail
– drilling diameter before metalisation 1.15 ± 0.025

– thickness of electrolytic copper coating in the holes 0.020 min.
0.035 max.

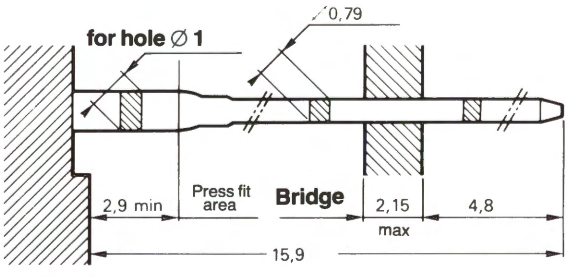
– thickness of tin lead plating
0.007 min.
0.012 max

– diameter of hole after plating before fusion 1mm + 0.09
– 0.06

– diameter of hole after plating after fusion 1mm ± 0.09



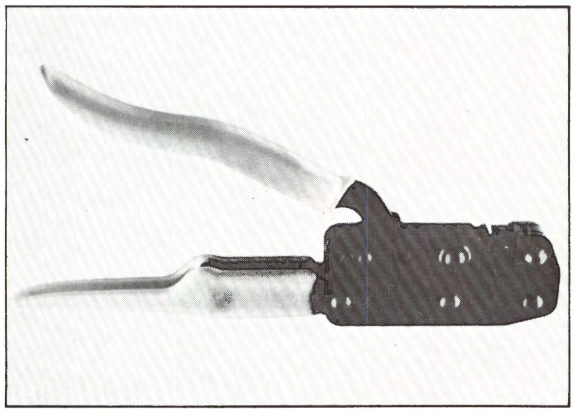
82 or 92
2 wraps



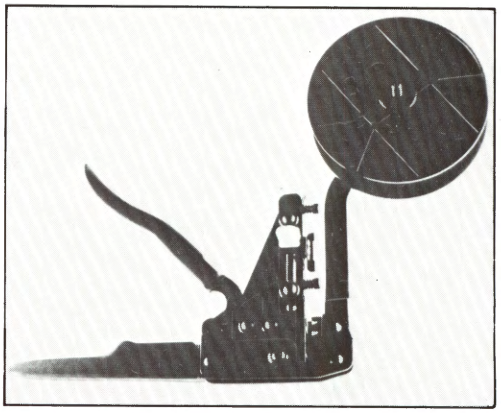
87 or 97
1 wrap

tooling

crimp tools for connector series D, E and F contacts (see page 25)



crimp tool with locator
5106.013.02.02 (0,14 – 0,5mm²)
5106.013.02.03 (0,75 – 1,5mm²)

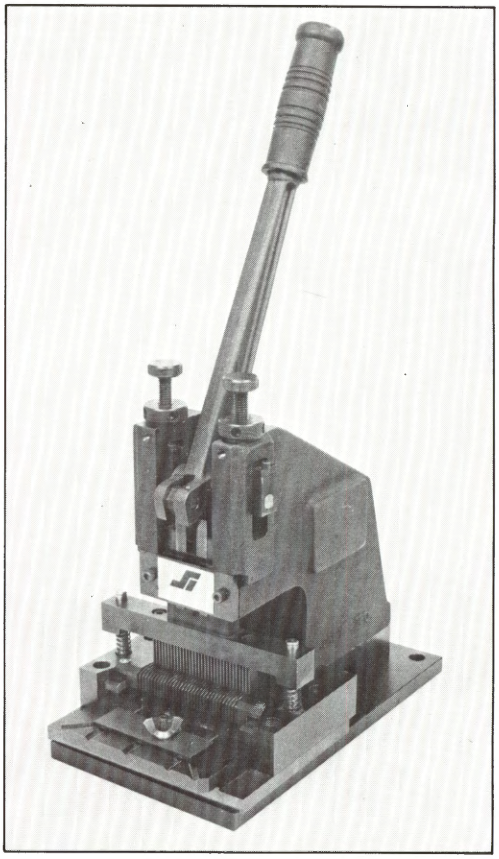


crimp tool for banded contacts
5106.013.05.02 (0,14 – 0,5mm²)
5106.013.05.03 (0,75 – 1,5mm²)

tooling for IDC (discreet wire) connectors (see page 20)



hand tool for individual wire termination

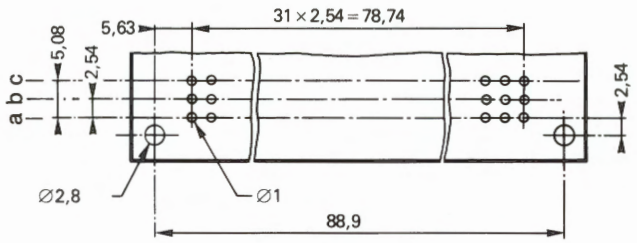


termination press
part no. 8609.2469

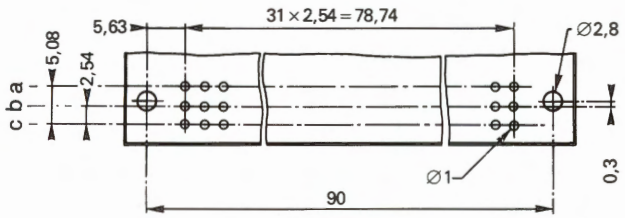
DIN 41612 connectors

card drilling

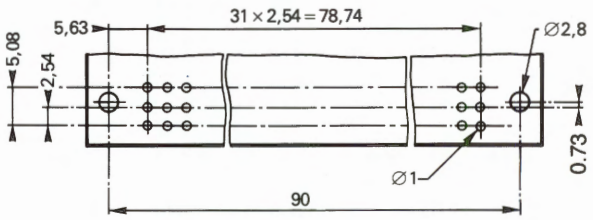
Series B, C, Q, R and HE11



Plug: series C, R and HE11
series B and Q

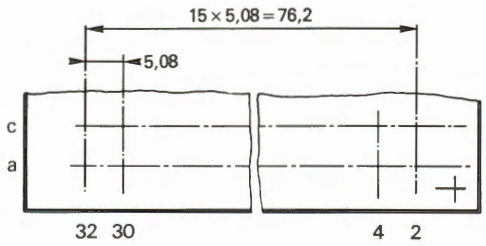


Receptacle: series C and R
series B and Q

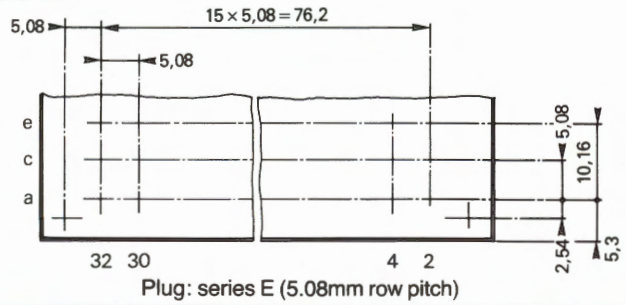


Receptacle: series HE11

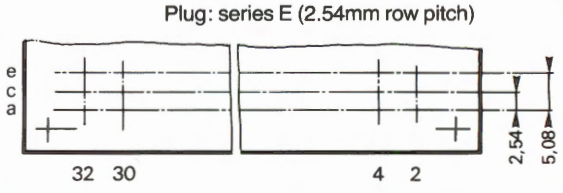
Series D



Series E



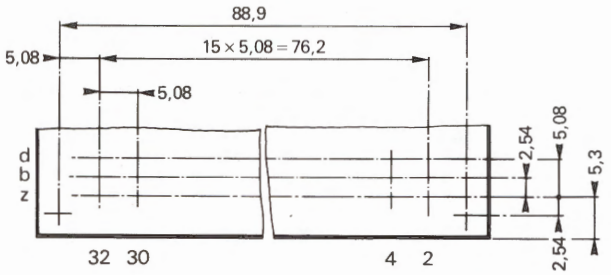
Plug: series E (5.08mm row pitch)



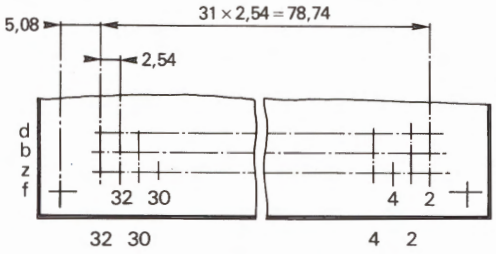
Plug: series E (2.54mm row pitch)

card drilling

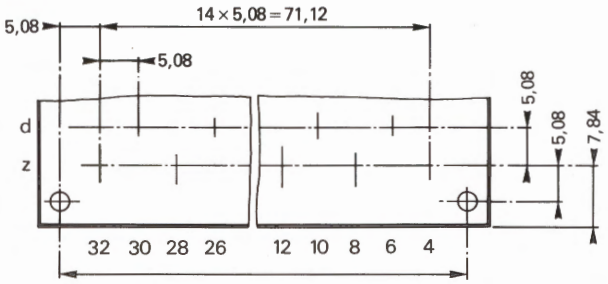
Series F



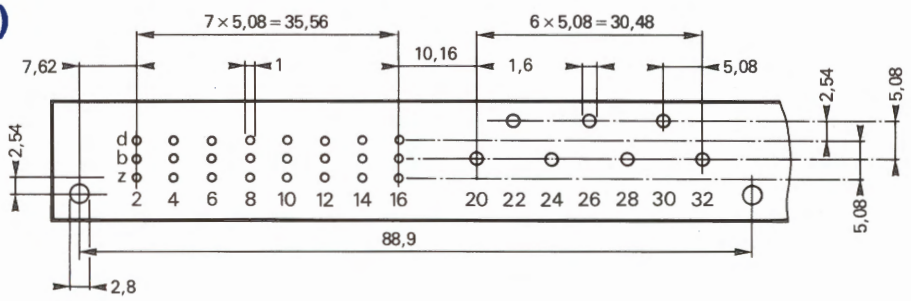
Series G



Series H 15

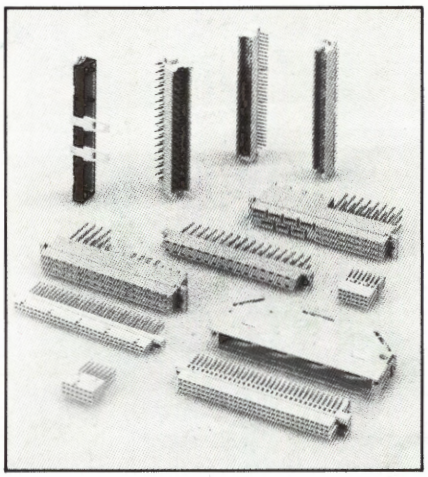


Series M (derived DIN series)



DIN 41612

souriau series
8609/5159



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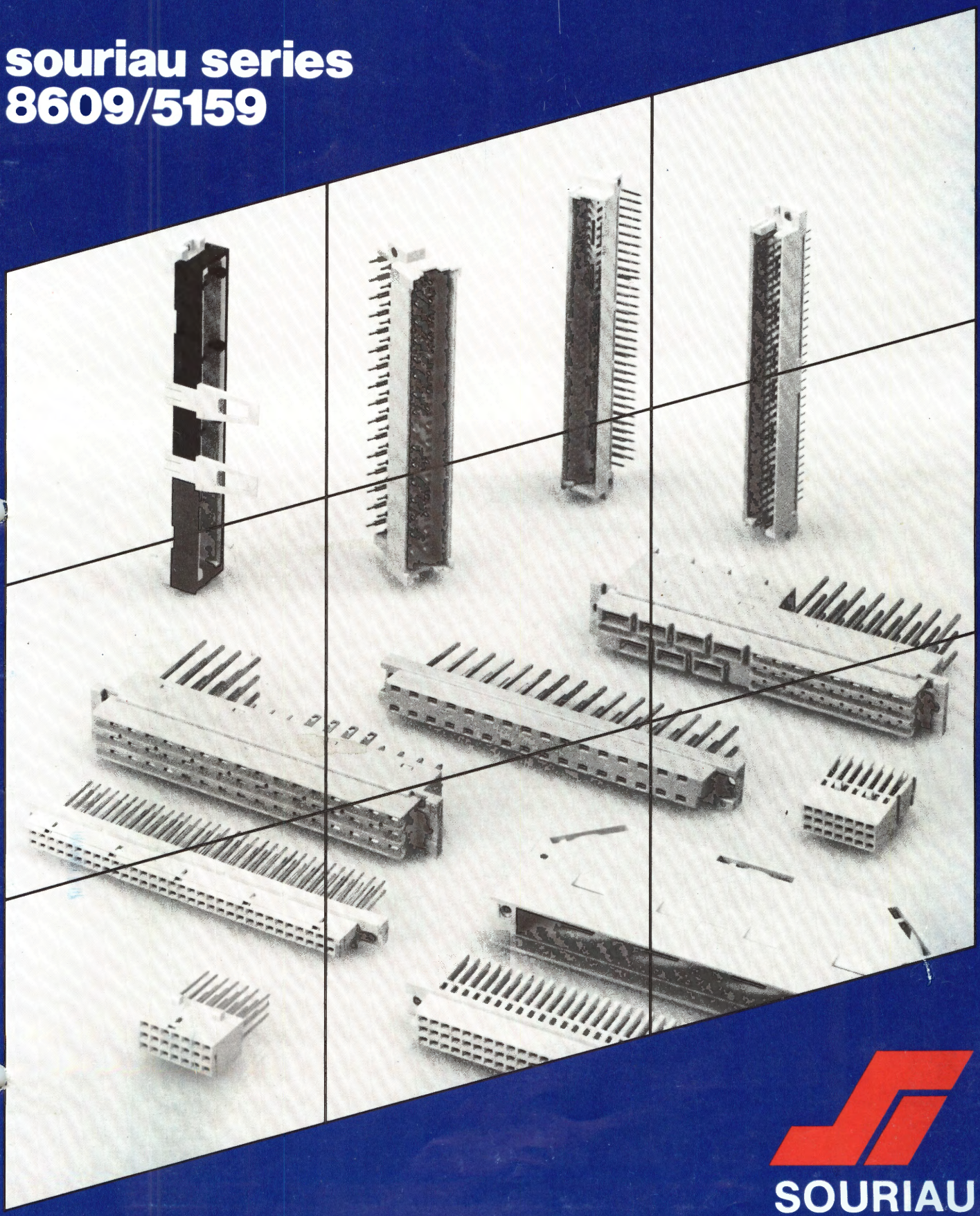
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DIN 41612 connectors

souriau series 8609/5159



SOURIAU

ref: 41612.485-E-UK

DIN 41612 connectors

souriau

introduction

The Souriau 8609/5159 family of connectors is designed to be compatible with the packaging concept of DIN 41494.

DIN 41494 details a standardised modular design for electronic systems. Sometimes referred to as the 19″ rack system with Euro or double Euro sized printed wiring boards.
The printed wiring board connectors used with this packaging concept are controlled by DIN 41612.

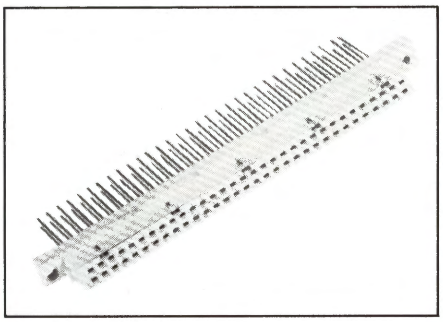
The Souriau DIN 41612 range of connectors encompasses styles which are approved to International and National specifications as well as major customer type approvals, such as British Telecommunications connector type 222.

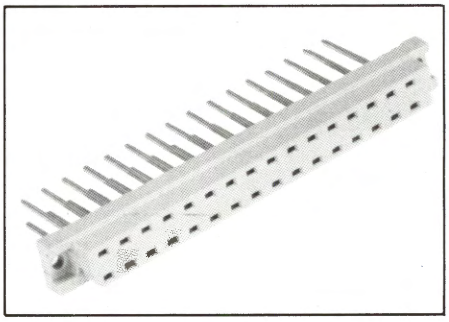
International Specifications:
IEC 603.2

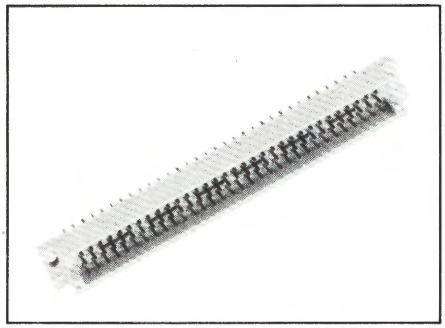
National Specifications:
DIN 41612, classes 1, 2 & 3
VG 95324
MIL-C-55302
BS 9525 – F0004
BS 9525 – F0017

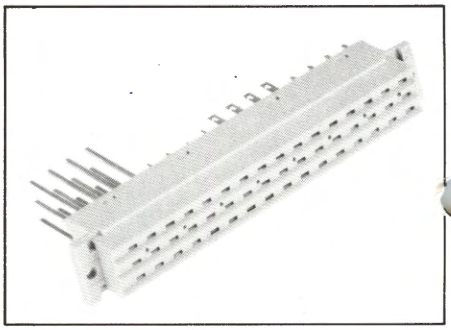
In addition to the series styles specified within DIN 41612 the Souriau 8609/5159 families offer many derivitives which have totally compatible interfaces thus ensuring that the Souriau range is able to meet most connector requirements based on the DIN 41494 packaging concept.

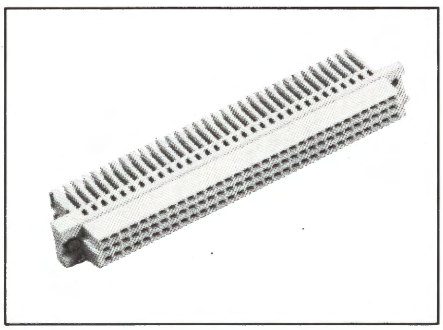
Derivatives include:
- Series C-I.D.C. for discrete wires up to 96 ways.
- ¼ length modules, based on 3 × 7, 2.54mm matrix.
- Pressfit connectors.
- Series M with mixed medium and high power contacts.
- A wide range of accessories to complement the above.

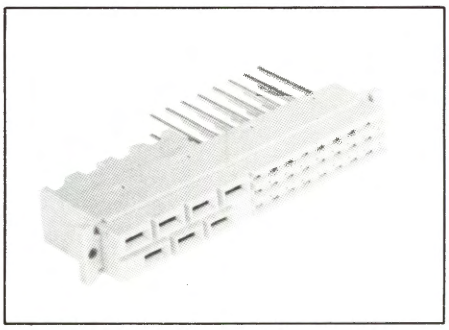


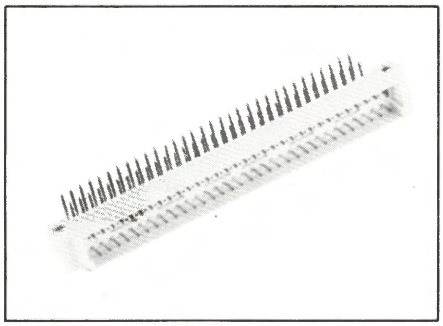


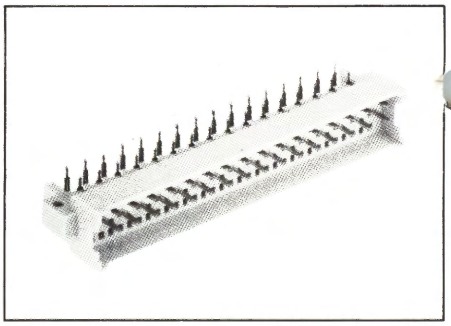












souriau

DIN 41612 connectors

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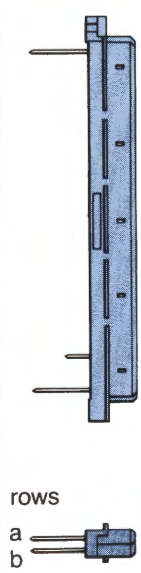
Souriau reserves the right to make any engineering refinements, alterations or improvements deemed necessary on its products. The dimensions appearing in this catalogue are thus subject to change without notice. When dimensions are critical, detailed drawings should be requested.

DIN 41612 connectors

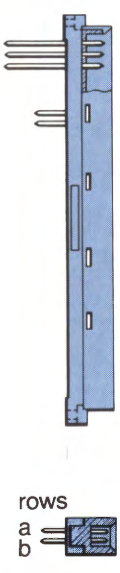
DIN 41612 sub-series	series B	series C	series Q	series R	series C-IDC	modules
description	standard high density 2.54mm matrix	standard high density 2.54mm matrix	reverse high density 2.54mm matrix	reverse high density 2.54mm matrix	standard receptacle format 2.54mm matrix	max. 21 way on 2.54mm matrix
Number of rows	2	3	2	3	3	3
No. of contacts[1]	32–64	32–64–96	32–64	32–64–96	64, 96	14, 21
Pitch of contacts	2.54mm	2.54mm	2.54mm	2.54mm	2.54mm	2.54mm
Contact rating 20°C	2A	2A	2A	2A	2A	2A
Test voltage	1kV	1kV	1kV	1kV	1kV	1kV
Insuln. resistance	$\geqslant 10^6 M\Omega$	$\geqslant 10^6 M\Omega$	$\geqslant 10^6 M\Omega$	$\geqslant 10^6 M\Omega$	$\geqslant 10^6 M\Omega$	$\geqslant 10^6 M\Omega$
Contact resistance	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$	$\leqslant 15m\Omega$
Contact plating active zone	gold	gold	gold	gold	gold	gold
Contact plating termination	tin/lead	tin/lead	tin/lead	tin/lead	tin/lead	tin/lead
termination						
solder (for wire)	■	■	■	■		■
straight	■	■	■	■		■
angled spill	■	■	■	■		
wire wrap	■	■	■	■		■
crimp						
faston®						
termipoint®						
IDC					■	■

1) other partially filled contact combinations can be supplied – please consult us for availability.

® "faston" and "termipoint" are registered trade names of AMP Inc.

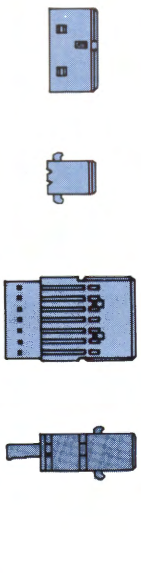












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