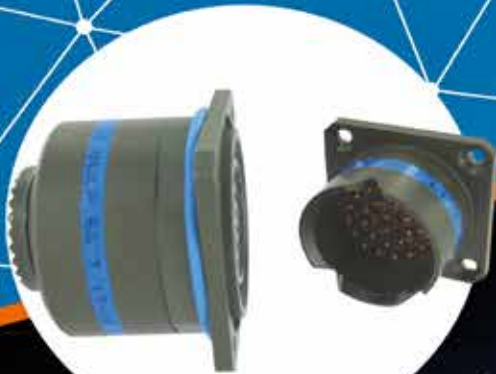


Amphenol SOCAPEX

RNJ Low Profile

Harsh Environment Rack & Panel
Cylindrical Connectors



www.amphenol-socapex.com

OUR COMPANY



Proven excellence in interconnect solutions

- Since **1947**, Amphenol Socapex has prescribed, designed and manufactured reliable and innovative interconnection solutions for harsh environments, specializing in standard and customized electrical and fiber optic connectors, contacts, accessories and cabling solutions.
- Located in the **Mont Blanc region** of France and Pune in India, Amphenol Socapex serve customers in over 100 countries around the world.
- Amphenol Socapex is part of the leading supplier of interconnect systems **Amphenol**.



1400+
employees



175 M€
Net Sales 2024
75% Export - 25% France



Thyez, **France**
Pune, **India**



Our expertise has no boundaries

Integrated Production in France & India

- 24 000 m² manufacturing capacity on 2 sites
- Design and manufacturing centers in France and India
- State-of-the-art manufacturing technology

Our markets



Defense



**Commercial
Aerospace**



Space



Industry



TECHNOLOGIES & INNOVATION

Engineering Laboratory



Product testing and qualification expertise in many fields:

- Environmental, mechanical, electrical, chemical, climatic skills
- RF and fiber optics expertise

High-Speed Expertise



Strong expertise in high-speed signals

- 3D EM simulation software & EM models
- Time Domain and frequency domain

Materials Expertise



Focus on materials expertise and manufacturing techniques to produce faster, smaller and stronger products

- Advanced technology research and development: polymers, metals, platings, resins ...
- Cutting edge characterizations of interconnects: Radio Frequency, partial discharges ...
- 3D CAD mechanical software, simulation & analysis

Eco-responsibility



Sustainable environment approach, with pro-active management of regulations (REACH / RoHS / Conflict minerals...)

- New materials development, plating, and suitable processes
- Recycling and rational resources consumption

Our workshops



Our workshops located in France & India provide consistent quality adapted to your volume requirements.

Automation & Tooling : Tools for our different activities : molding, machining, assembly

Molding : Solid expertise in thermoplastic elastomer and thermoset molding

Machining : Manufacturing of cylindrical shells and rectangular shells

Screw Machining : Manufacturing of electrical contacts

Plating : Plating with cadmium, nickel, electroless nickel, silver, black zinc nickel, gold

Assembly : Connector and harness assembly (electrical & optical)

Our certifications

Product certifications : MIL-DTL38999, EN3645, EN3155, VG (VG95328, VG95319, VG96944, VG95218, VG96949)



Certified Management System



Certified Management System



Certified Management System



Certified Management System

Our memberships

Member of CMG (Connecting Manufacturing Group) Consortium

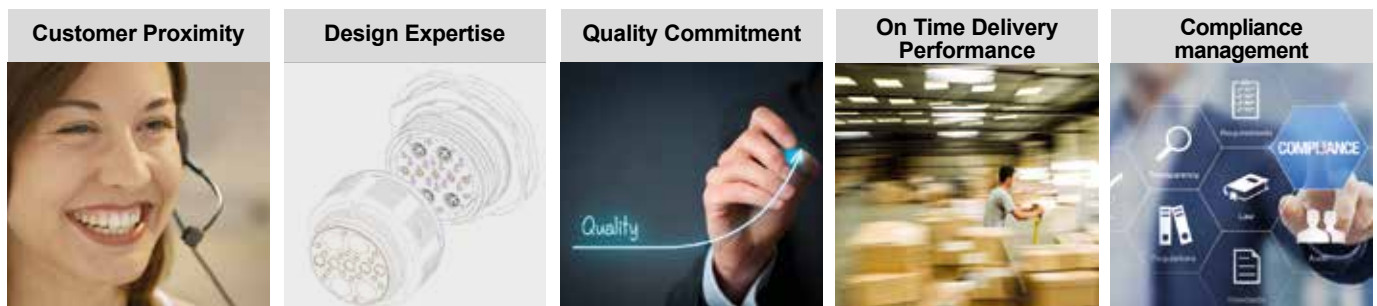


CUSTOMER EXPERIENCE

Service

► We have a strong reputation for helping customers solve their toughest challenges. This approach of serving your needs is ingrained in our company – from our sales team to our product development engineers.

A partner you can trust



Buy our solutions

You can access our solutions through our global network of sales offices or through our distributors.

Field Sales Team :

-  10 in France
-  15 in Europe
-  100+ in North America and rest of the world.
-  5 Business Development Managers supporting local sales force Europe, North America and the rest of the world

-  **Technical Advisement & Multilingual Customer Service :**
20 people

Worldwide Distribution Network :

Our range of circular connectors, contacts, fiber optic connectors, PCB connectors and accessories are available thru our extensive distribution network.

It includes qualified distributors (QPL approved) for assembling MIL-DTL-38999 & derivatives and PT/451 (VG95328) connectors.



[Check our product inventory](#)



[Product Selectors & 3D Files](#)



NEW

OUR HISTORY

1947



- Socapex creation in Suresnes, France
- 1st radio connector

1956-57



- Manufacturing unit in Cluses (74), France
- Thomson-CSF becomes primary shareholder

Early 1960's



- 1st board level connectors: HE8
- 1st "licence Bendix" manufactured connectors
- SL Series

1973



- New factory in Thyez (74) France with 250 people, 13 000m²

1975



- Production of 38999 connectors

1986

Amphenol
Socapex

- Amphenol becomes primary shareholder

1995-96



- Expanded Beam connector CTOS launch
- Headquarters transferred to Thyez

2004



- RJ Field launch, "Award Electronica"

2005



- New factory in Pune, India

2010's



- LuxBeam™ and HDAS launch

2014-2017



- New workshops :
- Cable Assembly & Contact Manufacturing workshop

2019



- Increased manufacturing capacity with 2nd building in Pune, India

2022



- Harness in the box solution launch

Today & tomorrow



- New technologies :
- Investment in automation & technical expertise



- Amphenol SOCAPEX joins the "Convention des Entreprises pour le Climat".
- Our goal: to accelerate our transition to a more sustainable operation.

RNJ LOW PROFILE

Realignment capability

Mechanical device ensures axial ($\pm 1\text{mm}$), angular ($\pm 6^\circ$) and longitudinal (0.5 mm) realignments (See figure 1)

Many insert patterns

All available Amphenol Mil-DTL-38999 III inserts

Large contacts range

M39029 contacts compatible with Mil-DTL-38999 III

22D, 20, 16, 12, 8, 4 (contact cavities for signal, coaxial, twinax, power contacts)

EMI shielding

Grounding fingers ensure shielding before contact mating

Low profile and high density

Til 128 size 22D contacts in a 25 shell size

Shell sizes range

8 shell sizes from 11 to 25

Temperature range

-65°C to 175°C for olive drab cadmium & 200°C for electroless nickel

High durability

500 cycles minimum

High corrosion resistance

Olive drab cadmium (500 hours salt spray), electroless nickel (48 hours salt spray) or stainless steel (500 hours salt spray)

Low tooling investment

Numerous tools common with Mil-DTL-38999 series III connector ones

Light weight

Aluminium alloy shells. For the plug : 20% weight saving versus standard RNJ version

Environmental

Rear membrane protected by a cap on the plug, interfacial seal on male insert

Sealing

Reinforced membrane on the floating plug ensures high pressure resistance (plug withstands 1000mBars on the rear face, 2000mBars on the front face)

Rear accessory possibility

Fully compatible with all M-85049 backshells for Mil-DTL-38999 series III

Contacts protection

100% scoop proof design



RNJ Low Profile rack and panel connectors are designed to connect electrical devices between a moving unit (rack) and a fixed unit (panel).

The locking of the mating pair is ensured by the mechanical device of the rack.

The RNJLP design allows a short distance between the two panels. This is a big benefit for the systems where space is an issue.

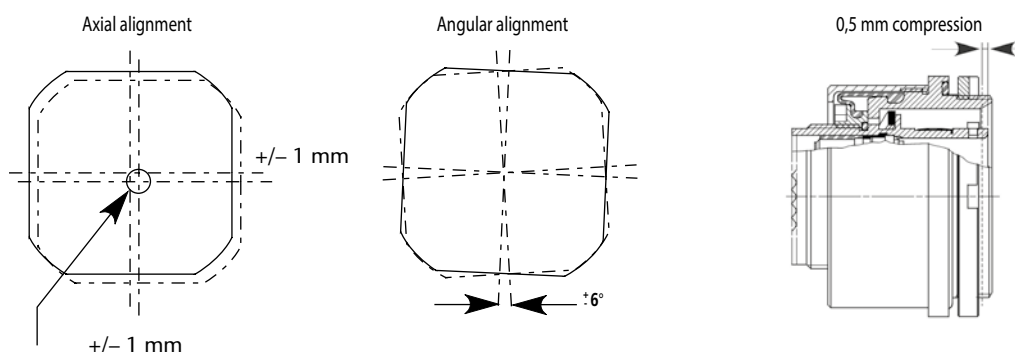
The RNJLP realignment capability (as shown in figure 1) allows to make up the tolerances of the system.

RNJLP are primarily designed for avionic/military and advanced industrial application.

Applications :

- Commercial & military avionic packaging
- Ground / marine / defence applications
- Advanced industrial applications

Figure 1 - Floating features



RNJ LOW PROFILE

ENVIRONMENTAL CHARACTERISTICS

Temperature range:

- - 65°C to +175°C (olive drab cadmium) / +200°C (Electroless Nickel)
- - 65°C to +200°C (stainless steel) with firewall capability option (F304 deviation) for available arrangements

Air leakage:

- Receptacles RNJLP27/67: less than 16 cm³ / h max @ 2 bars pressure
- Floating plugs RNJLP26 - 66:
 - Front Face: less than 16 cm³ / h max @ 2 bars pressure
 - Rear Face: less than 16 cm³ / h max @ 1 bar pressure

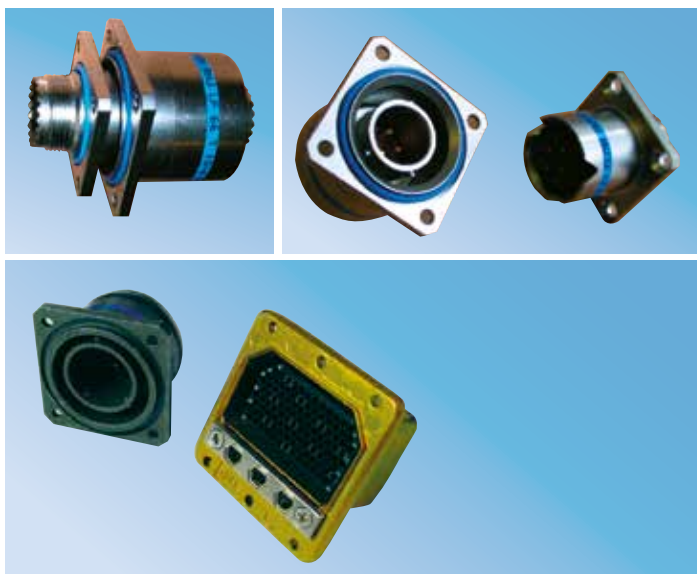
Corrosion resistance:

- Olive drab cadmium 500 h salt spray
- Electroless nickel 48 h salt spray
- Stainless steel 500h salt spray

Two versions available

RNJ Low Profile Square Flange version: RNJLP 66 / 67

- The distance between panels is the same as for the ARINC 404 connector (7,3mm). This allows the user the possibility of replacing an ARINC 404 connectors by an RNJ Low Profile (please consult us regarding dimension tolerances needed for the system).
- More possibilities in shell sizes (8) than with the ARINC 404 (1, 2, 3 or 4 bays only).
- This is front panel mounting for the receptacle and back panel mounting for the floating plug.
- Sealing is provided on the square flange (receptacle and floating plug) by an O-ring gasket (delivered with the connector) located in a groove.

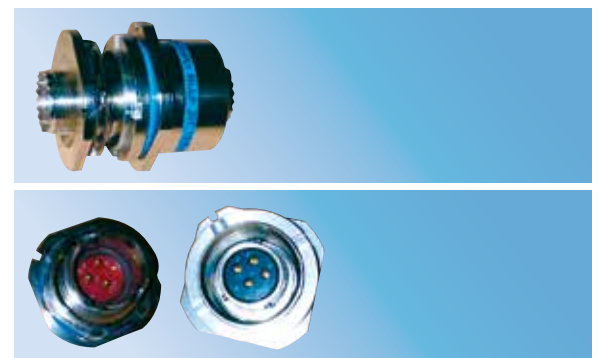


Fluid resistance:

- MIL-L-7808 (lubricating oil)
- MIL-L-23699 (lubricating oil)
- MIL-H-5606 (hydraulic fluid)
- Hydraulic fluid (Chevron M2V)
- MIL A-8243 (defrosting fluid)
- MIL- C- 87936 type I
- MIL-T-5624 (JP5)
- MIL-C-47220 or Coolanol 25 or equivalent
- MIL-G-3056 type I (gasoline)
- Isopropyl alcohol per TT-I-735 grade A or B mixed with mineral spirit TT-T-291 type I or P-D-680 type I

RNJ Low Profile Jam Nut version: RNJLP 26 / 27

- The distance between panels is 16mm versus 36mm for the standard RNJ
- Both receptacle and floating plug are back panel mounting
- Sealing is provided by the O-ring gaskets located in the groove of the front face of the flange (receptacle and floating plug)
- The castle nut of the floating plug is available with 4 holes for lock-wiring capability (optional)
- Each RNJLP26/27 connector is supplied with a stainless steel pin for insertion by force into the chassis



RNJ LOW PROFILE

MECHANICAL CHARACTERISTICS

Contact size	22D	20	16	12	8	4
Maximum load (N)	45	67	110	110	150	150

Mating and unmating forces:

Shell size	Maximum mated force		Maximum unmated force	
	daN	Lbs	daN	Lbs
11	20	45	12	27
13	30	67.4	13	29.2
15	35	78.7	15	33.7
17	50	112.4	16	36
19	55	123.6	18	40.5
21	65	146.1	22	49.5
23	80	179.8	27	60.7
25	102	229.3	34	76.4

Durability: 500 cycles

ELECTRICAL CHARACTERISTICS

Contact rating - nominal current per contact:

Contact size	22D	20	16	12	8*	4*
Current (A)	5	7.5	13	23	60	100

* Please consult us for additional informations regarding power inserts

Contact resistance:

Contact size	22D	20	16	12	8	4
Resistance (mΩ)	8	4.7	2	1.1	0.6	0.26

Insulation resistance: - at ambient > 10⁵ Mohms
- at maximum temperature > 10³ Mohms

Service rating:

Service (p. 4/5)	Dielectric withstanding voltage (Vrms)								Working voltage	
	At sea level		15000 meters		21000 meters		34000 meters			
	mated	unmated	mated	unmated	mated	unmated	mated	unmated	Vrms	Vdc
M	1300	1300	800	550	800	350	800	200	400	550
I	1800	1800	1000	600	1000	400	1000	200	600	850
II	2300	2300	1000	800	1000	500	1000	200	900	1250

Dimensions of acceptable contacts and cables:

Contact size	Contact Diameter mm (in)	Crimp barrel		Acceptable cables						
		Diameter mm (in)	Depth mm (in)	Gauge AWG Section mm2 (sq in)				Outside diameter mm (in)		
								min	average	Max
22D	0.76 (0.030)	0.88±0.03 (0.035±0.001)	3.58 (0.141)	22	24	26	28	0.76 (0.03)	1.20 (0.047)	1.37 (0.054)
20	1 (0.039)	1.19±0.03 (0.039±0.001)	5.30 (0.209)	20	22	24		1.02 (0.04)	1.83 (0.072)	2.11 (0.083)
16	1.57 (0.062)	1.70±0.03 (0.067±0.001)	5.30 (0.209)	16	18	20		1.68 (0.066)	2.41 (0.095)	2.77 (0.109)
12	2.36 (0.093)	2.54±0.06 (0.100±0.002)	10 (0.394)	12	14			2.46 (0.097)	3.20 (0.126)	3.61 (0.142)
8	3.60 (0.039)	4.6 +0.05 (0.181+0.002)-0	10 (0.394)	8 Min: 8.98 - Max: 10 (Min: 0.354 - Max: 0.394)				4.50 (0.177)	—	5.8 (0.228)
4	5.75 (0.226)	7.4±0.05 (0.291±0.002)	12 (0.4724)	21.10 (0.831)				7.73 (0.304)	8.08 (0.318)	8.43 (0.332)

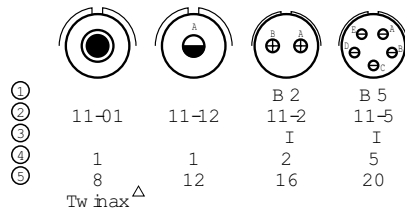
RNJ LOW PROFILE

INSERT ARRANGEMENTS

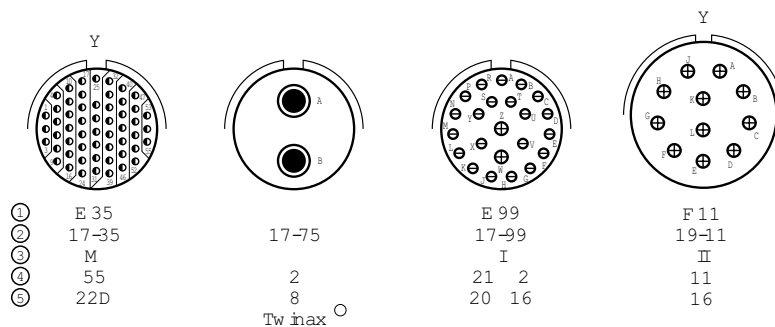
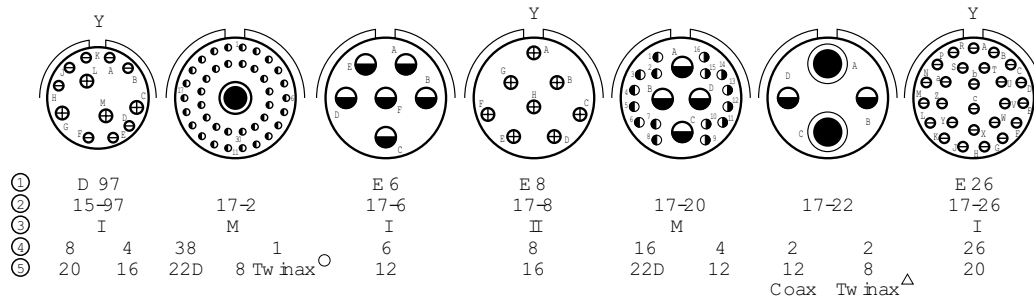
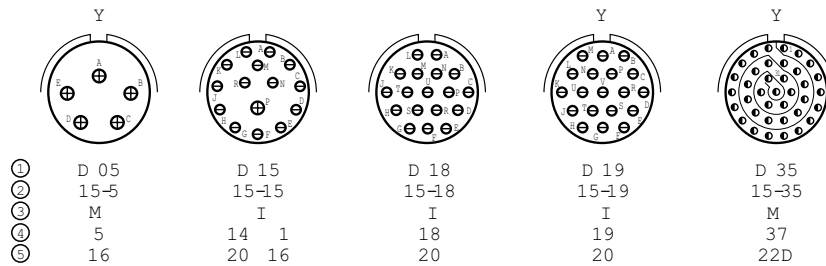
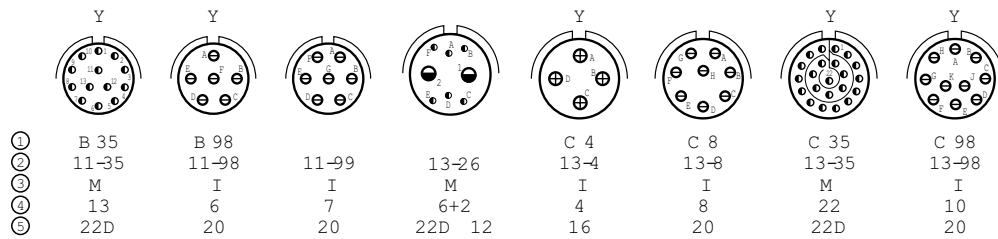
Contact size	22D	20	16	12	8	4
Caption						

Front view of male insert

Only the major keyway is illustrated.



1. MIL-DTL-38999 Series III insert arrangement reference
2. RNJLP insert arrangement
3. Service class
4. Number of contacts
5. Contact sizes



RNJ LOW PROFILE

■ ■ ■ INSERT ARRANGEMENTS

Contact size	22D	20	16	12	8	4
Caption						

Front view of male insert

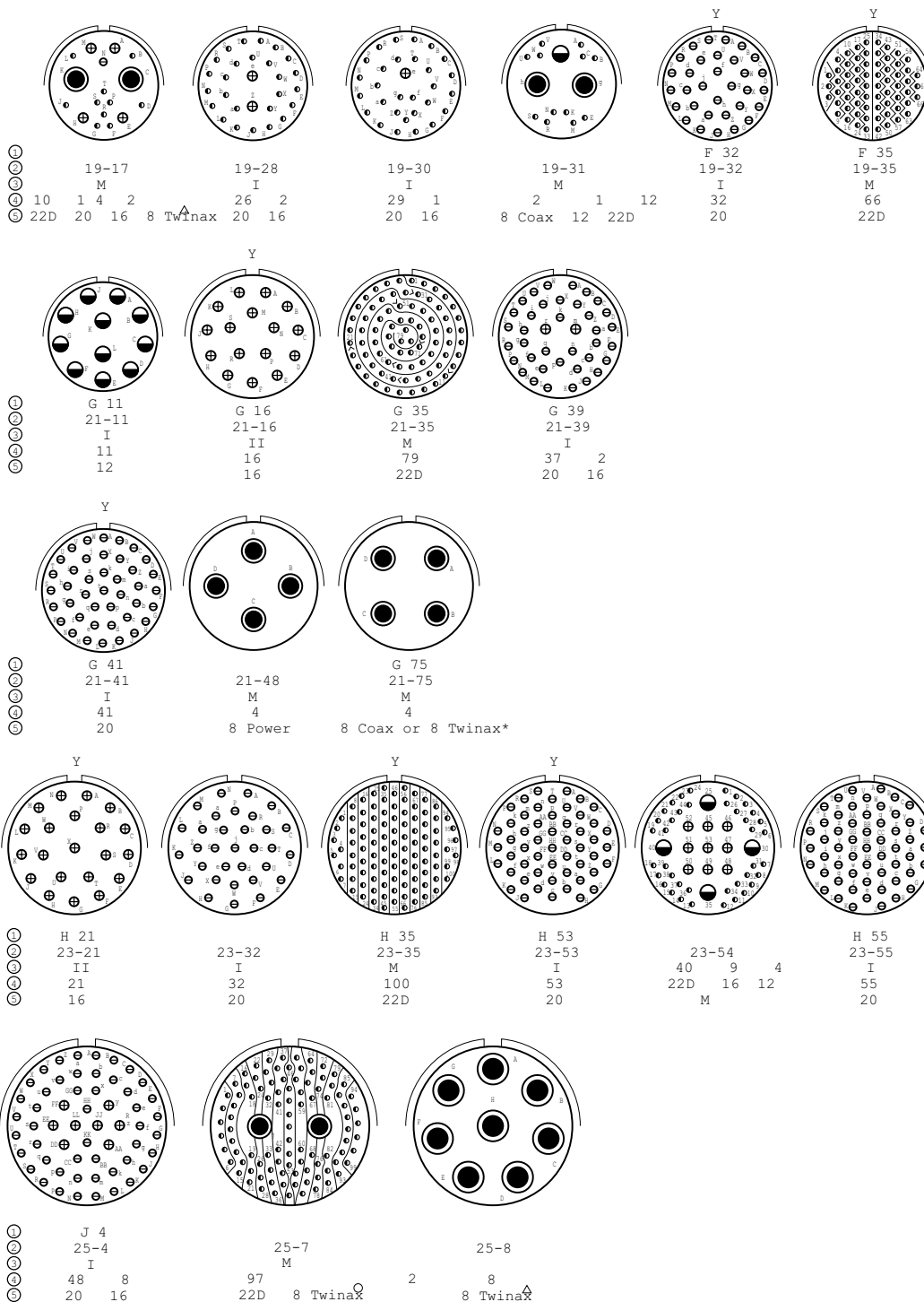
1. MIL-DTL-38999 Series III insert arrangement reference

2. RNJLP insert arrangement

3. Service class

4. Number of contacts

5. Contact sizes



RNJ LOW PROFILE

INSERT ARRANGEMENTS

Contact size	22D	20	16	12	8	4
Caption						

Front view of male insert

Only the major keyway is illustrated.

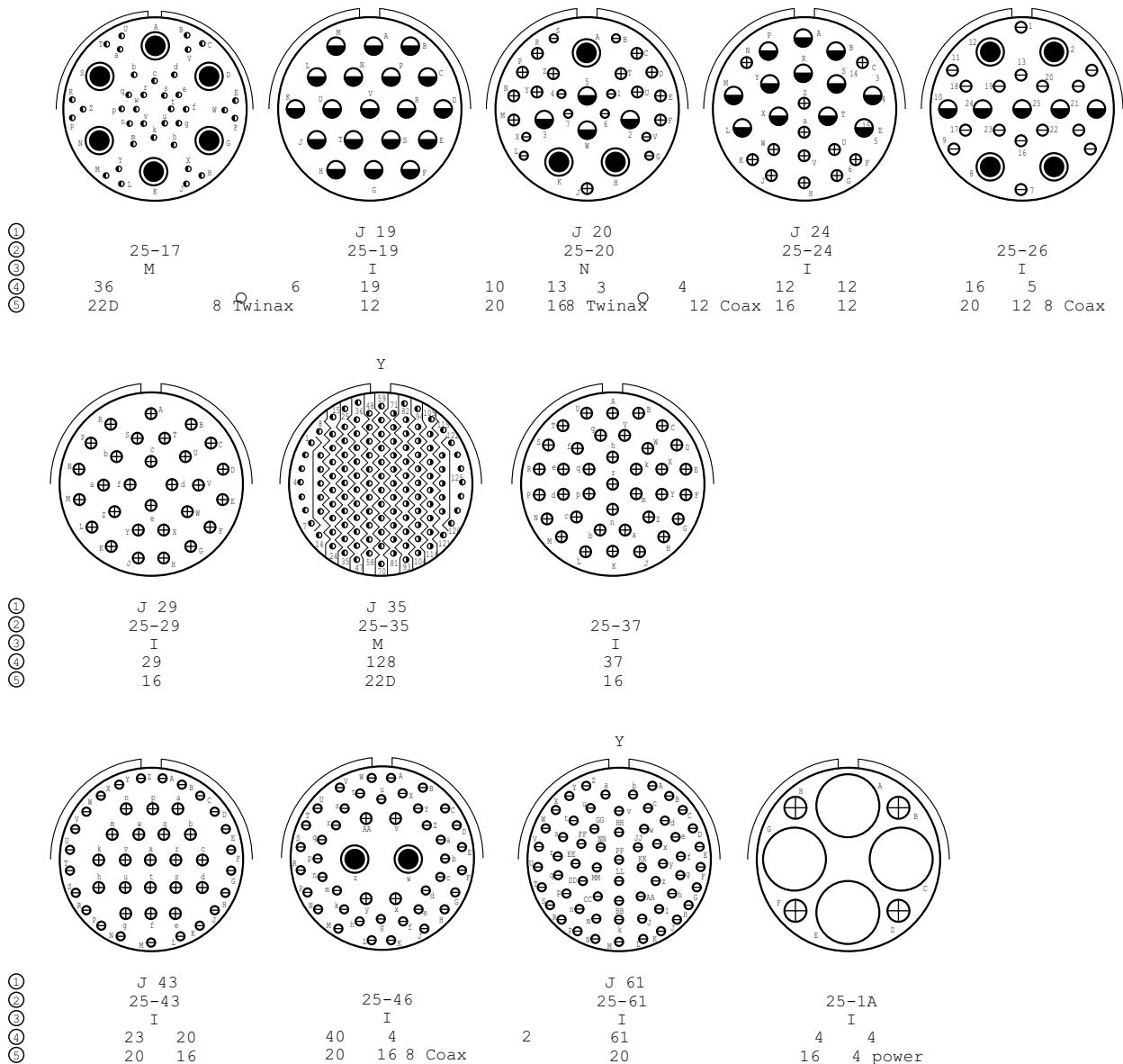
1. MIL-DTL-38999 Series III insert arrangement reference

2. RNJLP insert arrangement

3. Service class

4. Number of contacts

5. Contact sizes



* P/N delivered with size 8 coaxial contacts for RG 180 and RG 195 wire

Y Available in hermetic version

Δ Delivered with twinax contacts for double braid cable (PAN 6421, AECMA Pr EN 3375 - 004, Raychem 10613, EPD44692, EPD44693).

⊕ Delivered with twinax contacts for simple braid cable (M17/1760002, AECMA Pr EN 3375 - 003, Raychem 10612, EPD44690, EPD44691).

Only most commonly used inserts arrangements are listed here. All other Amphenol inserts are available, please call us for details.

RNJ LOW PROFILE

Arrangements	Service Class	Total number of contacts	Number and size of contacts									Grounded Insert availability**	
			22D	20	16	12	12 coax	8 power	8 coax	8 triax or twinax	4	P	S
11-1		1								1			
11-2**		2										X	
11-2	I	2			2								
11-5	I	5		5									
11-12	II	1				1							
11-35	M	13	13										
11-98	I	6		6									
11-99	I	7		7									
13-4**		4										X	
13-4	I	4			4								
13-8	I	8		8									
13-26	M	8	6				2						
13-35	M	22	22										
13-98	I	10		10									
15-5**		5										X	
15-5	II	5			5								
15-15	I	15		14	1								
15-18	I	18		18									
15-19	I	19		19									
15-35	M	37	37										
15-97	I	12		8	4								
17-2	M	39	38							1			
17-6**		6										X	
17-6	I	6				6							
17-8**		8										X	X
17-8	II	8			8								
17-22**		4										X	
17-26	I	26		26									
17-35	M	55	55										
17-75	I	2								2			
17-99	I	23		21	2								
19-11	II	11			11								
19-17	M	17	10	1	4					2			
19-28	I	28		26	2								
19-30	I	30		29	1								
19-31	M	15	12			1							
19-32	I	32		32									
19-35	M	66	66										
21-11	I	11				11							
21-16**		16										X	
21-16	II	16			16								
21-35	M	79	79										
21-39	I	39		37	2								
21-41	I	41		41									
21-48	M	4						4					
21-75	M	4							4				
21-75**		4										X	

Legend: ** Grounded version (metallic insert for use with coaxial or twinax contacts, for receptacle only), supplied without contact.

RNJ LOW PROFILE

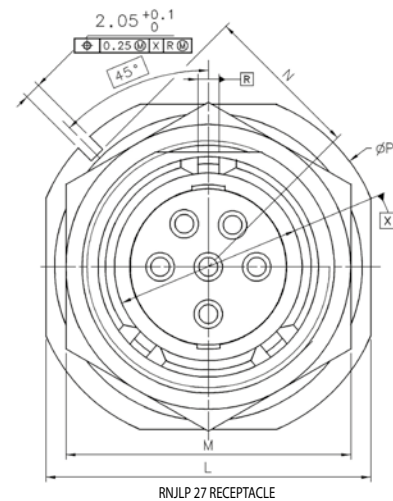
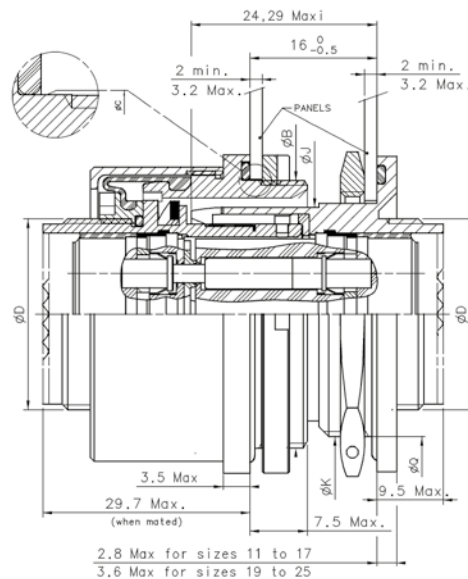
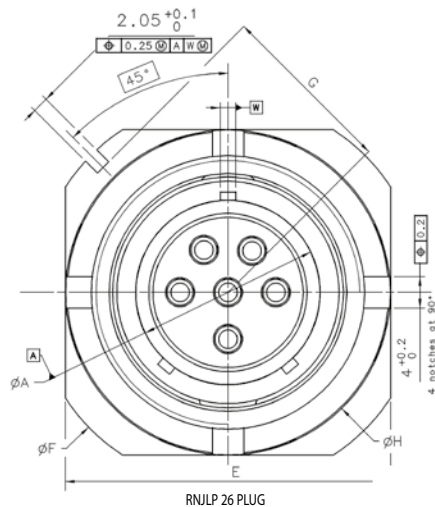
Arrangements	Service Class	Total number of contacts	Number and size of contacts									Grounded Insert availability**	
			22D	20	16	12	12 coax	8 power	8 coax	8 triax or twinax	4	P	S
23-21	II	21			21								
23-21**	II	21											X
23-32	I	32		32									
23-35	M	100	100										
23-53	I	53		53									
23-54	M	53	40		9	4							
23-55	I	55		55									
25-4	I	56		48	8								
25-7	M	99	97							2			
25-8	M	8								8			
25-8**	M	8											X
25-17	M	42	36							6			
25-19	I	19				19							
25-19**	I	19										X	
25-20	N	30		10	13		4*			3			
25-24	I	24			12	12							
25-26	I	25		16		5			4				
25-29**	I	29										X	
25-29	I	29			29								
25-35	M	128	128										
25-37	I	37			37								
25-41	I	41	22	3	11		2*			3			
25-43	I	43		23	20								
25-46	I	46		40	4				2				
25-61	I	61		61									
25-1A	I	8			4						4		

Legend: ** Grounded version (metallic insert for use with coaxial or twinax contacts, for receptacle only), supplied without contact.

Only most commonly used inserts arrangements are listed here. All other Amphenol inserts are available, please call us for details.

■ ■ ■ RNJ LOW PROFILE **PLUG & RECEPTACLE**

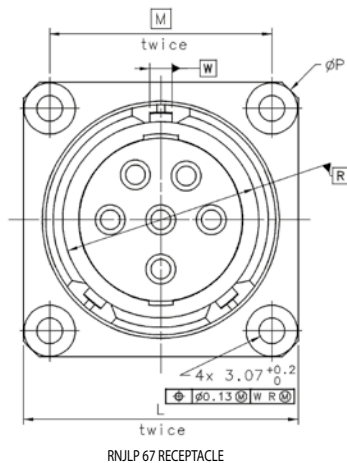
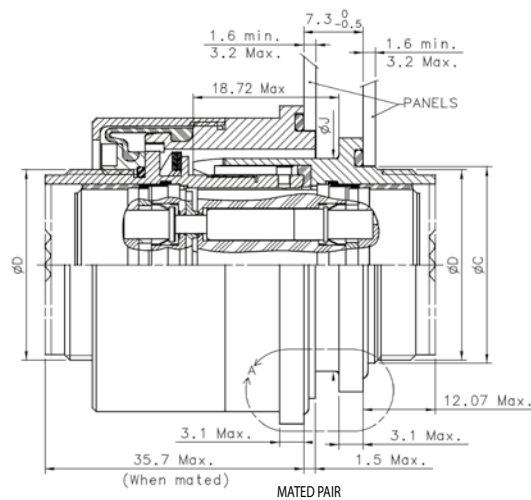
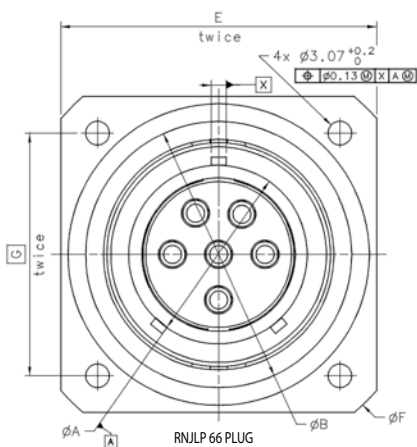
Jam Nut version



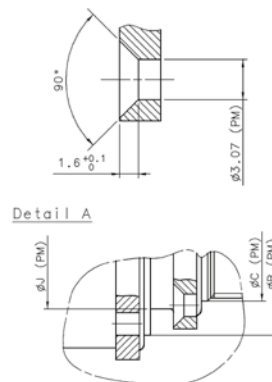
Size	$\phi A_{-0.13}^0$	Thread ϕB	$\phi C_{-0.05}^0$	Thread ϕD	$E_{-0.25}^0$	$\phi F_{-0.4}^0$	$G_{-0.25}^0$	$\phi H_{Max.}$	$\phi J_{Max.}$	Thread ϕK	$L_{-0.4}^0$	M Max.	$N_{-0.2}^0$	$\phi P_{-0.4}^0$	$\phi Q_{-0.05}^0$
11	14.38	M25x1-6g R0.100	25.53	M15x1-6g R0.100	32.16	38.50	16.92	32.10	18.68	M20x1-6g R0.100	32.16	25.84	15.33	35.34	20.83
13	17.23	M28x1-6g R0.100	28.75	M18x1-6g R0.100	35.34	41.68	18.51	35.10	21.88	M25x1-6g R0.100	35.34	30.62	16.92	38.51	25.53
15	20.40	M32x1-6g R0.100	31.93	M21x1-6g R0.100	38.51	44.85	20.10	39.10	25.08	M28x1-6g R0.100	38.51	33.76	18.51	41.69	28.75
17	23.58	M35x1-6g R0.100	35.10	M25x1-6g R0.100	41.69	49.63	22.67	42.10	28.18	M32x1-6g R0.100	41.69	36.97	20.10	44.86	31.93
19	26.24	M38x1-6g R0.100	38.23	M28x1-6g R0.100	46.43	52.78	24.26	45.70	31.18	M35x1-6g R0.100	46.43	40.11	22.67	49.64	35.10
21	29.42	M41x1-6g R0.100	41.45	M31x1-6g R0.100	49.64	55.99	25.84	48.70	34.38	M38x1-6g R0.100	49.64	43.32	24.26	52.78	38.23
23	32.59	M44x1-6g R0.100	44.63	M34x1-6g R0.100	52.78	59.13	27.43	51.70	37.58	M41x1-6g R0.100	52.78	46.46	25.84	55.99	41.45
25	35.77	M48x1-6g R0.100	48.03	M37x1-6g R0.100	55.93	59.53	27.58	55.70	40.78	M44x1-6g R0.100	55.99	51.24	27.43	59.13	44.63

Fixing nuts with 4 slots for Jam Nut plug are available with 4 holes for lockwiring capability (optional).

Square Flange version



Size	$\phi A_{0.13}$	$\phi B_{0.05}$	$\phi C_{0.05}$	Thread ϕD	$E_{0.25}$	$\phi F_{0.4}$	G	$\phi J_{Max.}$	$L_{0.3}$	M	$\phi P_{0.4}$
11	14.38	25.53	16.73	M15x1-6g R0.100	33.60	45	25.5	18.68	28.3	20.62	37.03
13	17.23	28.75	19.93	M18x1-6g R0.100	36.30	48	28	21.88	30.7	23.01	40.33
15	20.40	31.93	22.83	M22x1-6g R0.100	39.50	52	30	25.08	32.3	24.61	42.63
17	23.58	35.10	25.83	M25x1-6g R0.100	41.69	55	32	28.18	34.7	26.97	45.93
19	26.24	38.23	29.03	M28x1-6g R0.100	46.43	58	35	31.18	37.1	29.36	49.33
21	29.42	41.45	32.23	M31x1-6g R0.100	49.64	60	37	34.38	39.7	31.75	52.73
23	32.59	44.63	34.03	M34x1-6g R0.100	53.00	63	39.5	37.58	42.9	34.93	57.23
25	35.77	48.03	37.23	M37x1-6g R0.100	54.50	65	41.5	40.78	46	38.10	60.03



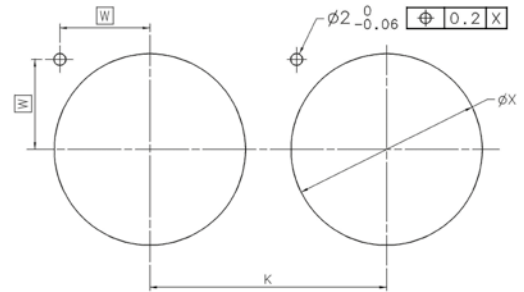
RNJ LOW PROFILE

■ ■ ■ PANEL DRILLING & RECOMMENDED TORQUE VALUES

Jam Nut version (RNJ LP 26 and 27)

PLUG SIZE	K (min)	W	$\phi X \text{ }^{+0.1}_{0}$
11	32.57	12.81	25.58
13	36	13.94	28.80
15	39.6	15.06	31.98
17	43.3	16.88	35.15
19	47	18	38.28
21	50.6	19.12	41.50
23	54.2	20.24	44.68
25	59.7	20.30	48.08

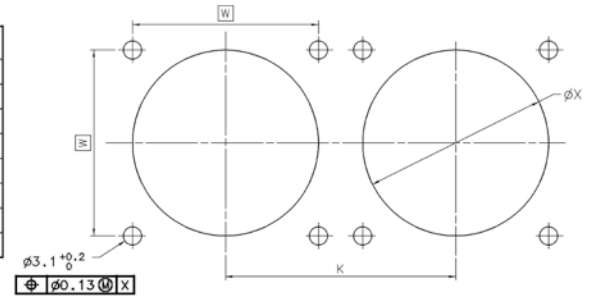
RECEPTACLE SIZE	K (min)	W	$\phi X \text{ }^{+0.1}_{0}$
11	32.57	11.69	20.86
13	36	12.81	25.58
15	39.6	13.94	28.80
17	43.3	15.06	31.98
19	47	16.88	35.15
21	50.6	18	38.28
23	54.2	19.12	41.50
25	59.7	20.24	44.68



Square Flange version (RNJ LP 66 and 67)

PLUG SIZE	K (min)	W	$\phi X \text{ }^{+0.1}_{0}$
11	36	25.5	25.58
13	39.6	28	28.80
15	43.3	30	31.98
17	47	32	35.15
19	50.6	35	38.28
21	54.2	37	41.50
23	59.7	39.5	44.68
25	59.7	41.5	48.08

RECEPTACLE SIZE	K (min)	W	$\phi X \text{ }^{+0.1}_{0}$
11	36	20.62	16.78
13	39.6	23.01	19.98
15	43.3	24.61	22.88
17	47	26.97	25.88
19	50.6	29.36	29.08
21	54.2	31.75	32.28
23	59.7	34.93	34.08
25	59.7	38.1	37.28

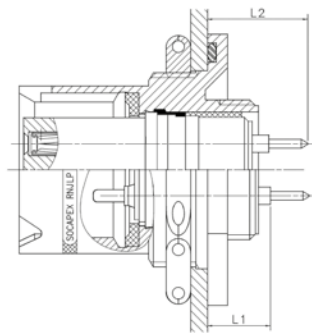


Rear accessories torque values

The following values must be observed. Before applying this coupling torque, locking glue has to be applied on the rear thread of the connector.

Shell size	11	13	15	17	19	21	23	25
Coupling torque (Nm)	8 ± 0.4	11 ± 0.5	11 ± 0.5	14 ± 0.7	14 ± 0.7	17 ± 0.8	17 ± 0.8	20 ± 1
(lb.inch)	0.9 ± 0.05	1.24 ± 0.06	1.24 ± 0.06	1.58 ± 0.08	1.58 ± 0.08	1.92 ± 0.09	1.92 ± 0.09	2.28 ± 0.11

Power contacts with PCB tails



P	L1	min	RNJ LP 27 CI mm (in)	RNJ LP 27 LI mm (in)
			7.89 (.311)	7.89 (.311)
S	L2	min	8.57 (.337)	8.57 (.337)
			12.79 (.504)	16.29 (.641)
P	L1	max	13.67 (.538)	17.17 (.676)
			7.69 (.303)	7.69 (.303)
S	L2	min	8.37 (.330)	8.37 (.330)
			12.59 (.496)	16.09 (.633)
P	L1	max	13.47 (.530)	16.97 (.668)

Remark:

the design of the RNJLP27 shell is modified when delivered with PCB contacts (shorter design without serrations)

Other dimensions available upon request: coax, twinax...

For other shell configurations (RNJ LP 67/26/66) equipped with PCB contacts (specific applications), please consult us.

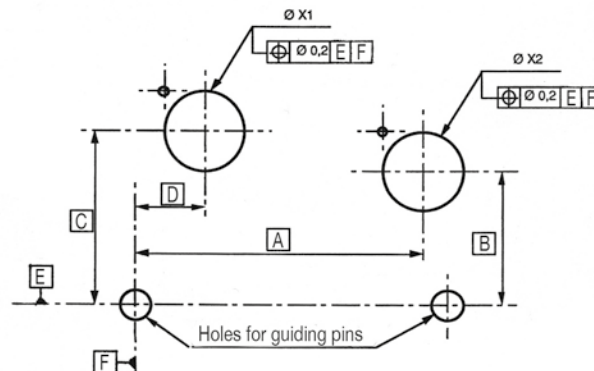
Stand-Off for PCB



New:

RNJ LP 27 receptacles for PCB applications are available with stand-off with holes for M3 screws for fixation on the board.

Example of panel drilling



Note:

All the dimensions are referenced from the guiding pin (E, F). The reference axis E goes through the 2 guiding pins centers.

HOW TO ORDER

Series	RNJ LP	26	T	11	35	P	N	014	LC	-
Shell type										
26 - Jam nut plug										
27 - Jam nut receptacle										
66 - Square flange plug										
67 - Square flange receptacle										
Service class and contact type										
T - Environmental, crimp contacts #22D/20/16/12/4										
CI - Environmental, PCB contacts, standard tails (RNJLP27 only)										
LI - Environmental, PCB contacts, long tails (RNJLP27 only)										
K - Stainless steel version (316 L), crimp contacts										
KE - Stainless steel version (303), crimp contacts										
KCI - Stainless steel version (316 L), PCB contacts, standard tails										
KLI - Stainless steel version (316 L), PCB contacts, long tails										
Shell size										
11/13/15/17/19/21/23/25										
Inserts arrangements										
See pages 5 to 9										
Contact type										
P - Pin contact										
S - Socket contact										
Polarization										
N - Normal position only										
Shell finish										
014 - Olive drab cadmium										
023 - Electroless nickel										
Blank for stainless steel version «K»										
Contact										
Blank - Connector supplied with contacts										
LC - Connector supplied without contact («LC» not marked on the connector)										
Deviation										
F404 - Contacts with tin plated PC tails (CI or LI version only)										
F304 - Firewall insert (stainless steel only)										
For other deviations (FXXX), please consult us.										

Specific requirements:

- 1) For grounded insert part-numbering, please consult us.
- 2) For grounded insert or non-grounded insert compatible with quadrax or differential twinax contacts (polarized size 8 cavities), please consult us.
- 3) For inserts to be fitted with RJ45 connectors (RJ Stop Patented), please consult us.

- 4) For jam nut versions (RNJ LP 26 and 27) to be mated with square flange

Box for spanner (for RNJ LP 26 plug installation)



- | | |
|----------------------|----------------------|
| For # 11: RNJ8982A11 | For # 21: RNJ8982F21 |
| For # 13: RNJ8982B13 | For # 23: RNJ8982G23 |
| For # 15: RNJ8982C15 | For # 25: RNJ8982H25 |
| For # 17: RNJ8982D17 | |
| For # 19: RNJ8982E19 | |

- versions (RNJ LP 66 and 67), please consult us for compatibility.
- 5) Differential pressure application: in addition to hermetic receptacle (Pin only) versions with inserts (Pin or socket) compounded with either epoxy resin or RTV160/RTV142 are available upon request. Please call for details.
- 6) A complete RNJ LP Installation User Guide Line is available upon request. (Location of the guiding pin of the system compared to the connectors...)

RNJ LOW PROFILE

NOTES

RNJ LOW PROFILE

NOTES

ABOUT AMPHENOL

Founded in 1932, **Amphenol** is one of the largest manufacturers of interconnect products in the world. The company designs, manufactures, and markets electrical, electronic, and fiber optic connectors, interconnect systems, and coaxial and specialty cables.

Amphenol has a diversified presence as a leader in high growth areas of the interconnect industry and provides solutions for customers in the automotive, broadband, industrial, information technology and data communications, military and aerospace, mobile devices, and mobile networks markets.

More info on www.amphenol.com

Amphenol
ENABLING THE ELECTRONICS REVOLUTION

Europe

FRANCE	Amphenol AIR LB	2 rue Clément Ader, ZAC de Wé - 08110 Carignan	+33 3 24 22 78 49
FRANCE	Amphenol SEFEE	Z.I. des Cazes – BP243 - 12402 Saint-Affrique Cedex	+33 5 65 98 11 00
GERMANY	Amphenol AIR LB GMBH	Am Kleinbahnhof 4 - 66740 Saarlouis	+49 6831 981 00
ITALY	Amphenol EUROPEAN SALES OPERATIONS	Via Barbaiana n.5 - 20020 Lainate - Milano	+39 293 254 214
UNITED KINGDOM	Amphenol INVOTEC	Unit 1-3, Hedging Lane Industrial Estate, Dosthill - Tamworth, B77 5HH	+44 1827 263 000
UNITED KINGDOM	Amphenol IONIX SYSTEMS	Prospect House, Taylor Business Park, Risley, Warrington, WA3 6HP	+44 1 942 685 200
UNITED KINGDOM	Amphenol LTD	Thanet Way, Whitstable - KENT, CT53JF	+44 1227 773 200
UNITED KINGDOM	Amphenol MARTEC	St Augustines Business Park, Swalecliffe Whitstable - Kent CT5 2QJ	+44 1227 793 733

North America

CANADA	Amphenol CANADA	605 Milner avenue - Toronto, Ontario	+1 416 291 0647
USA	Amphenol AEROSPACE OPERATIONS	40-60 Delaware street - Sidney, NY 13838	+1 800 678 0141
USA	Amphenol BORISH TECHNOLOGIES	4511 East Paris AVE - Grand Rapids, MI 49512	+1 616 554 9820
USA	Amphenol FSI	1300 Central Expwy N, Suite 100 - Allen, TX 75013	+1 214 547 2400
USA	Amphenol GRIFFITH ENTERPRISES	6000 East Coury Drive - Cottonwood, AZ 86326	+1 928 634 3685
USA	Amphenol NEXUS TECHNOLOGIES	50 Sunnyside Avenue - Stamford, CT 06902	+1 203 327 7300
USA	Amphenol PCD	72 Cherry Hill Drive - Beverly, MA. 01915	+1 978 624 3400
USA	Amphenol PRINTED CIRCUIT	Board Technology, 91 Northeastern Boulevard - Nashua, NH 03062	+1 603 324 4500
USA	Amphenol SV MICROWAVE	2400 Centrepark West Drive - West Palm Beach, FL	+1 561 840 1800
USA	Amphenol TIMES MICROWAVE	358 Hall Avenue - Wallingford, CT 06492	+1 800 867 2629

Asia

CHINA	Amphenol PCD CO.	Building 21, 1 st Liao Keng Industrial Zone, Shi Yan Street - Bao An District - Shenzhen 518108	+86 755 8173 8000/8286
INDIA	Amphenol INTERCONNECT INDIA	105 Bhosari Industrial Area - Pune 411 026	+91 20 27120363
JAPAN	Amphenol JAPAN	471-1, Deba, Ritto-City - Shiga 520 3041	+81 77 553 8501
KOREA	Amphenol DAESHIN	558 SongNae-Dong SoSa-Gu, Bucheon-city, Kyunggi-Do - 420-130	+81 32 610 3830/3845
SINGAPORE	Amphenol EAST ASIA	26/F, Railway Plaza, 39 Chatham Road South, Tsim Sha Tsui, Kowloon, Hong Kong	+65 6294 2128

Other Areas

AFRICA	Amphenol AFRICA	30 Impala Rd - Sandton 2146	+27 82 410 5179
ARGENTINA	Amphenol ARGENTINA	Av. Callao 930 2do piso Oficina B "Plaza" C1023 - AAP Buenos Aires	+54 11 4815 6886
AUSTRALIA	Amphenol AUSTRALIA PTY	2 Fiveways Blvd., Keysborough - Melbourne - Victoria 3173	+61 3 8796 8888
BRAZIL	Amphenol DO BRAZIL	Rua Diogo Moreira, 132, 20 andar, rooms 2001-2-3	+55 11 3815 1003
ISRAEL	Amphenol BAR-TEC	3 Hagavish Street, K fir-Barkan Bldg. East Industrial Zone - Kfar-Sava, 44102	+972 9 764 4100
MEXICO	Amphenol OPTIMIZE	Carretera Internacional Km 6.5, Col. Parque Industrial, Nogales, Sonora, C.P. 84094	+52 631 311 160
NEW ZEALAND	Amphenol PHITEK	Level 4, 2 Kingdon Street, Newmarket, Auckland 1023	+64 9 524 2984
TURKEY	Amphenol TURKEY	Sun Plaza 15 Kat: 15 Maslak Hah. Bilim Sok. No.5 - Sisli/Istanbul, 34398	+90 212 367 92 19

Amphenol SOCAPEX

Amphenol Socapex

948, promenade de l'Arve BP29
74311 Thyez Cedex - France
+33 (0)4 50 89 28 00
contact@amphenol-socapex.fr
www.amphenol-socapex.com



For Technical Support

+33 (0)4 50 89 28 49
technicalsupport@amphenol-socapex.fr

To buy our products

+33 (0)4 50 90 28 00
contact@amphenol-socapex.fr
www.amphenol-socapex.com/amphenol/sales
Request a quote online at www.amphenol-socapex.com/quotation_request

Documentation

www.amphenol-socapex.com/documentation
To order a paper version of our catalogs, send an e-mail to communication@amphenol-socapex.fr

Check our product
inventory



Product Selectors
& 3D Files



NEW



www.amphenol-socapex.com

Follow Amphenol Socapex on social media :



This catalog uses paper from managed forests, PEFC & FSC labels, and is printed by a printer certified "Imprim'Vert®"

We reserve the right to modify our products in any way we deem necessary.
Any duplication is prohibited, unless approved in writing.
DOC-000016-ANG - January 2025
Designed by Amphenol Socapex