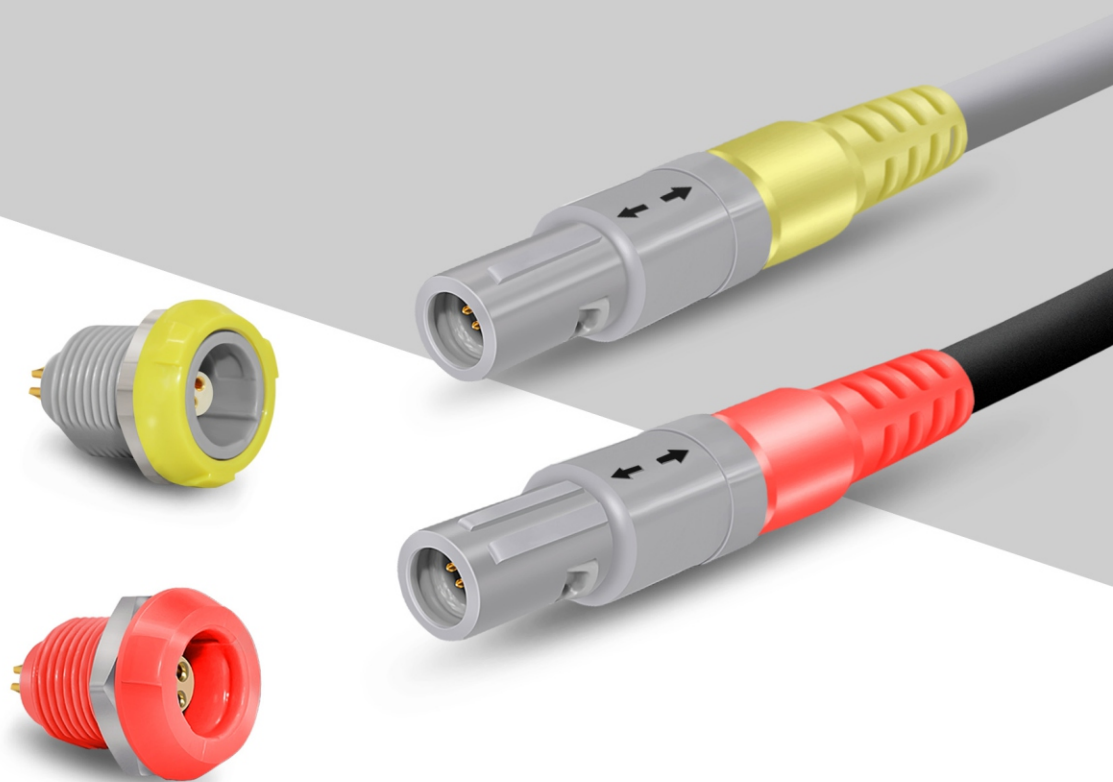




RM-P series

Plastic Push Pull Self-locking Connector

- *Secure Push-pull Self-locking system*
- *High density assembly to save space*
- *Alignment Key and Polarized Keying System to avoid cross-interface*
- *Colorful nut for choice, easy for identify*
- *Available solder, PCB and right angle PCB contact*



RM-P series

Plugs



PAG



PAG

Receptacles



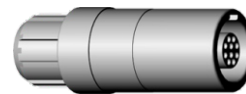
PKG



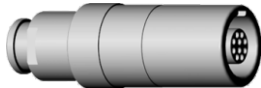
PLG



PKG

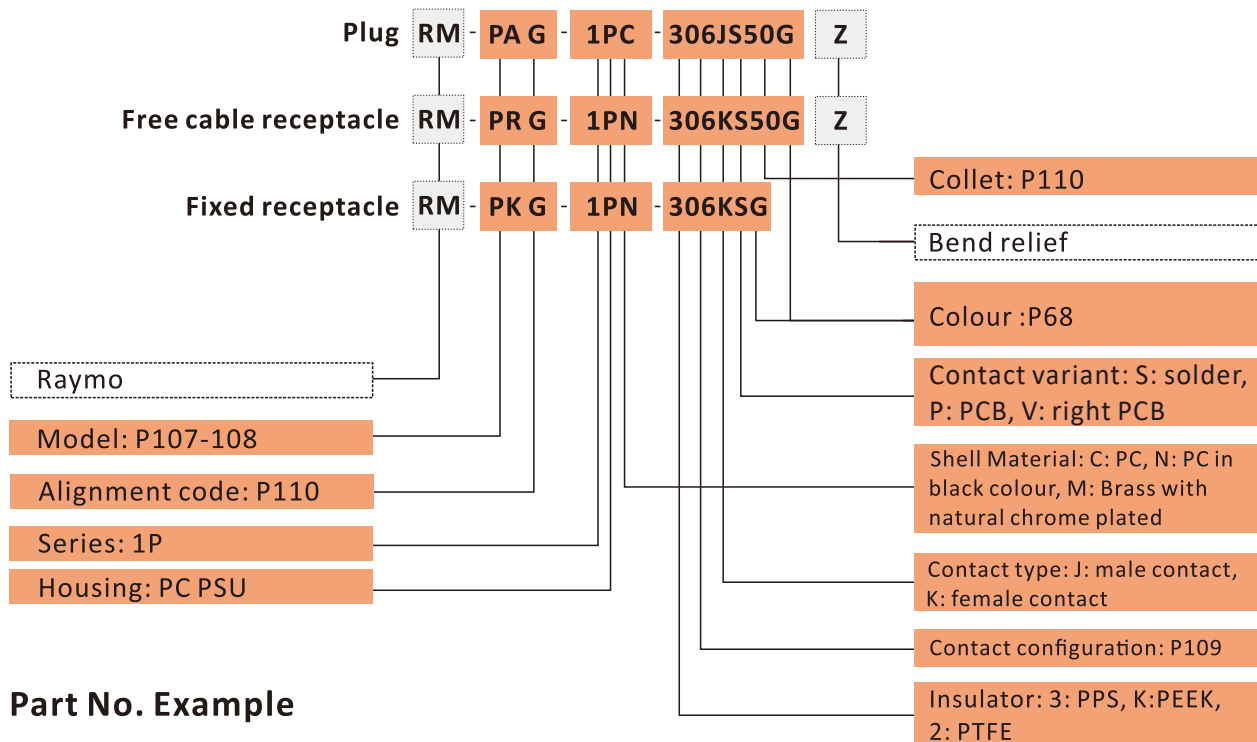


PRG



PRG

Part Numbering System



Part No. Example

Straight plug

RM-PAG-1PC-306JS52GZ straight plug with cable collet and alignment key (G=0 degree), multipole 6 male contacts in solder type, gray PC outer shell, PPS insulator, collet for 4.2-5.2mm diameter cable nut for fitting a bend relief, with a gray colour bend relief.

Free cable receptacle

RM-PRG-1PC-306KS52A free cable receptacle with cable collet, alignment key (G=0 degree), multipole 6 female contacts in solder type, gray colour PC outer shell, PPS insulator, collet for cable 4.2-5.2mm and blue colour nut.

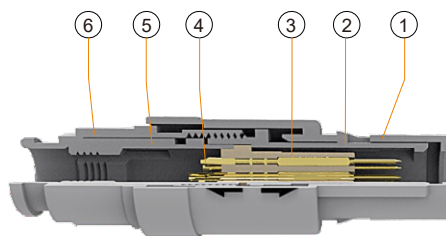
Fixed receptacle

RM-PKG-1PC-306KSG fixed receptacle with two nuts and alignment key (G=0 degree), multipole 6 female contacts in solder type, gray colour PC outer shell, PPS insulator, gray colour plastic front nut.

Part Section Showing Internal Components

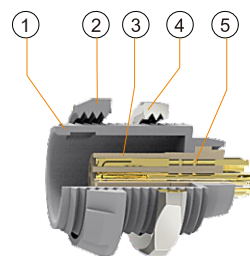
Cable Mount Plug

- ① Outer shell
- ② latch sleeve
- ③ Insulator
- ④ Male contact
- ⑤ Cable collet
- ⑥ Collet nut



Fixed Receptacle

- ① Outer shell
- ② Front notched nut
- ③ Insulator
- ④ Hexagonal nut
- ⑤ Female contact



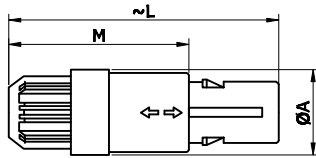
Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	>1000cycles	IEC 60512-5 test 9a
Humidity	Up to 95% at 60°C	
Temperature range	-40°C, +150°C	
Resistance to vibration	10-2000Hz,15g	IEC 60512-4 test 6d
Shock resistance	100g, 6ms	IEC 60512-4 test 6c
Salt spray corrosion test	>72hrs	IEC 60512-6 test 11f
Protection index (mated)	IP40	IEC 60529
Climatical category	55/175/21	IEC 60068-1

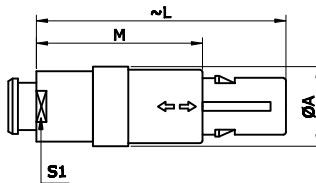
Electrical

Characteristics		Value	Standard
Shielding efficiency	at 10 MHZ	>75 dB	IEC 60619-1-3
	at 1 GHZ	>40 dB	IEC 60619-1-3



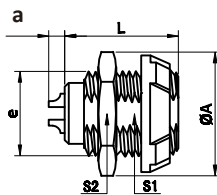
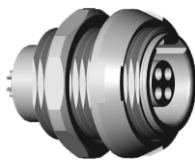
RM-PAG Cable Mount Straight plug

Reference		Dimensions(mm)		
Model	Series	A	L	M
RM-PAG	1P	14	46.5	32



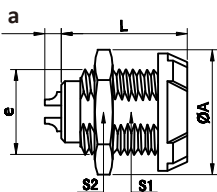
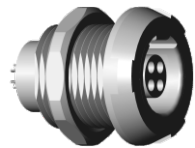
RM-PAG Cable Mount Straight plug , nut for fitting a bend relief

Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	
RM-PAG	1P	14	45.5	32	9	



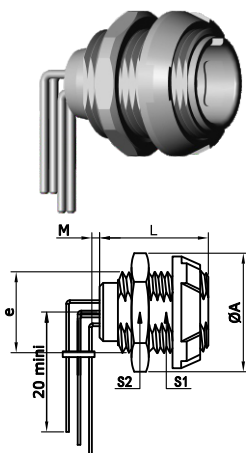
RM-PKG Fixed Receptacle with two nuts, back panel mounting

Reference		Dimensions(mm)						
Model	Series	A	L	a	e	S1	S2	
RM-PKG	1P	18.5	20.5	2.7	M14*1.0	12.5	17	



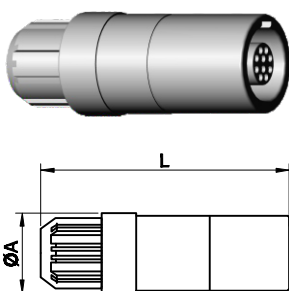
RM-PLG Fixed Receptacle, all-in-one type, key(G) or and nut fixing

Reference		Dimensions(mm)						
Model	Series	A	L	a	e	S1	S2	
RM-PLG	1P	19.5	20.5	2.7	M14*1.0	12.5	17	



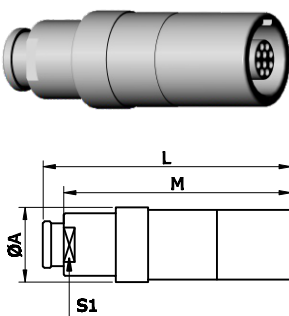
RM-PKG Fixed Receptacle with two nuts, back panel mounting elbow 90° contact for printed circuit

Reference		Dimensions(mm)					
Model	Series	A	L	M	e	S1	S2
RM-PKG	1P	19.5	20.5	2.0	M14*1.0	12.5	17.0



RM-PRG Cable Mount Receptacle

Reference		Dimensions(mm)	
Model	Series	A	L
RM-PRG	1P	14	40



RM-PRG Cable Mount Receptacle, nut for fitting a bend relief

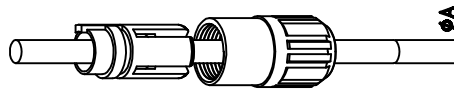
Reference		Dimensions(mm)			
Model	Series	A	L	M	S1
RM-PRG	1P	14	43	38.7	9

Insulator Configuration

	Insulator Configuration		Insulator	Contact No.	ϕ A (MM)	Solder contact	Contact type			Test voltage(contact -shell)k/v rms	Rated current /A
	solder male contact	solder female contact					PCB straight contact	PCB elbow contact	Test voltage(contact -contact)k/v rms		
1P			302	2	1.3	●	●	●	1.20	1.30	10.0
			303	3	1.3	●	●	●	1.30	1.10	10.0
			304	4	0.9	●	●	●	1.05	0.8	7.0
			305	5	0.9	●	●	●	1.05	0.80	7.0
			306	6	0.7	●	●	●	1.05	0.85	6.0
			307	7	0.7	●	●	●	1.05	0.85	5.0
			308	8	0.7	●	●	●	1.05	0.60	5.0
			309	9	0.5	●	●	●	0.85	0.60	3.0
			310	10	0.5	●	●	●	0.85	0.45	3.0
			312	12	0.5	●	●	●	0.60	0.50	2.0
			314	14	0.5	●	●	●	0.60	0.50	2.0

- First choice alternative
 ○ Special order alternative

RM-P series Cable collet

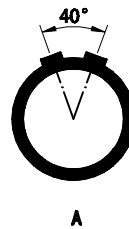


Cable Clamp Set	φA (mm)	Cableφ(mm)	
		Min	Max
RM-CCT-1P-039	3.9	2.7	3.9
RM-CCT-1P-052	5.2	4.0	5.2
RM-CCT-1P-065	6.5	5.3	6.5

Alignment keys:



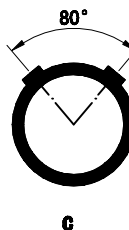
G=standard key



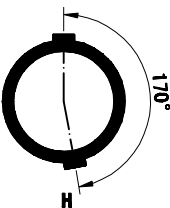
A=two key with 40 degree



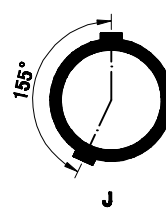
B=two keys with 60 degree



C=two keys with 80 degree



H=two keys with 170 degree



J=two keys with 155 degree