SUBMINIATURE COAXIAL CONNECTORS

SMA series

ISO 9001 APPROVED

RADIALL®

RADIALL COMPANY PROFILE

Head Office - Rosny sous Bois

Since 1952, **RADIALL** has specialized in the field of coaxial connectors and cables assemblies. **RADIALL**'s experience and high technology focus, combined with our large worldwide production capability have made the company a major supplier of RF coaxial connectors in the world and the number one in Europe.

RESEARCH & DEVELOPMENT

The ever increasing sophistication of microwave communication systems is continually requiring components to meet a higher level of performance. **RADIALL**'s research and development groups understand these needs and are committed to searching for product solutions that will be needed in the future. They also are providing continued improvements to our already extensive lines of high performance products. All our engineer teams are equipped with state of the art equipment and facilities, in an effort to provide the best solutions to our customers.

CAD workstation

Screw-machining shop

MANUFACTURING

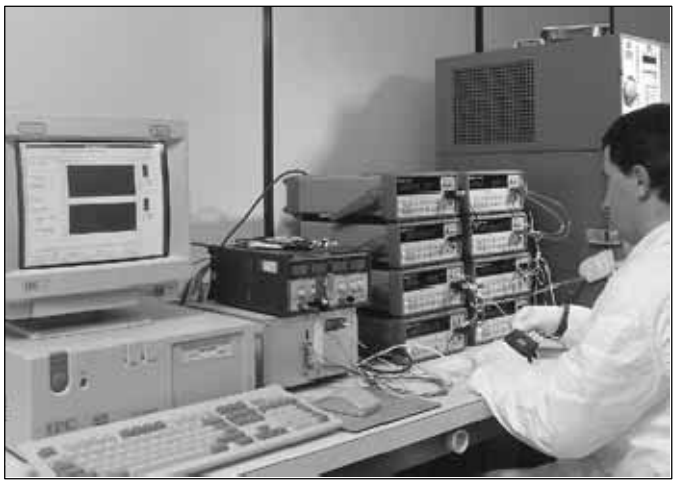
RADIALL knows that the quality of the connectors components is directly related to the mechanical precision of the machining process, along with good quality procedures. In an effort to continually meet the highest quality standards, all our production plants are equipped with the latest state of the art production equipment. RADIALL's manufacturing process maintains strict control of all procedures and incorporates all tooling, machining, surface treatment and assembly operations into the manufacturing process of each production group.

RADIALL COMPANY PROFILE

Base station of cellular network

HIGH RELIABILITY

Reliability of inter-connection systems is of the utmost importance in telecommunications applications. This industry need has led **RADIALL** to link high performance design, manufacturing and quality control. This has given the company the capability to produce connectors that will operate in the most stringent environments. The wide range of our product offering allows us to propose the best complete solution for your exact need.



Microwave test device

QUALITY ASSURANCE

RADIALL, as a TQM company, continually searches for improvements to the quality process. We operate a Quality Assurance Program that has been developed in accordance with the national and **CECC** agencies (equivalent to **MIL-I-45208** and **MIL-C-45662** standards). This program has enabled us to achieve QPL approval on several of our connector series. **RADIALL**'s Quality Assurance Program operates at all levels of manufacturing from the initial raw incoming material to the final testing procedures just prior to shipping. All test equipment is part of the quality process and is continually inspected on a regular scheduled basis. All production plants in Europe are **AQA P4-NATO** certified.

Certificate of Approval

Awarded to

RADIALL

DIVISION CONNECTEURS COAXIAUX

ROSNY-SOUS-BOIS - VOREPPE - VOIRON

FRANCE

Bureau Veritas Quality International certify that the Quality Management System of the above supplier has been assessed and found to be in accordance with the requirements of the quality standards detailed below

QUALITY STANDARDS

BS EN ISO 9001 : 1994

SCOPE OF SUPPLY

DESIGN, DEVELOPMENT, PRODUCTION AND SALE OF RADIO FREQUENCY COAXIAL CONNECTORS AND LEADS. MANUFACTURING AND PLATING OF CONNECTOR COMPONENTS

CONCEPTION, DEVELOPPEMENT, PRODUCTION ET COMMERCIALISATION DE CONNECTEURS ET CORDONS COAXIAUX HAUTES FREQUENCES.

FABRICATION ET TRAITEMENT DE SURFACE DE COMPOSANTS POUR CONNECTIQUE.

FORSCHUNG, ENTWICKLUNG, PRODUKTION UND VERTRIEB VON HF-STECKVERBINDERN UND KABELN HERSTELLUNG UND OBERFLÄCHENBEHANDLUNG VON KOMPONENTEN FÜR STECKVERBINDER.

Original approval date 6 March, 1996

Subject to the continued satisfactory operation of the supplier's Quality Management System, this Certificate is valid for a period of three years from

27 April, 1997

Date 20 May, 1997

Jacques ROY

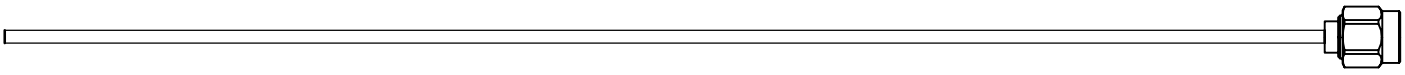
For Bureau Veritas Quality International

Certificate No. 41206

ISO 9001 ACCREDITATION

This certificate is witness to RADIALL's achievement and commitment to the Total Quality Process. RADIALL has always been, since its inception, a company committed to being a Total Quality supplier. Quality is our way of life at RADIALL.

CONTENTS



SMA PAGE

Introduction 5-6
General 7
Finder guide 8-9
Interface 10
Characteristics 11-12
Straight plugs 13-14
Right angle plugs 14-15
Straight jacks 15
Straight flange jacks 15-16
Straight bulkhead jacks 16-17
Receptacles with solder pot 18-19
Receptacles with straight terminal 20-21
Receptacles for microstrip 22-25
Universal flange receptacles 25
Press mount receptacles 26
PCB female receptacles 26
Edge card receptacles 26
In series adapters 28
Tees and caps 28-29

Accessories 28-30

Additional connectors (27 GHz connectors, crimp type for semi-rigid cables) 31

Between series adapters 32

Microwave components finder guide 33

Terminations 34

Attenuators 35-36

Tools for semi-rigid cables 37-40
Torque wrench 41
Tools for flexible cables 41-44

Panel cut out 45

Assembly instructions 46-56

Index of Radiall part numbers with description 57-63

INTRODUCTION

The RADIALL stainless steel SMA connectors have been specially designed for applications where reliability, durability, robustness and high frequency are very important.

- **Wide range :**

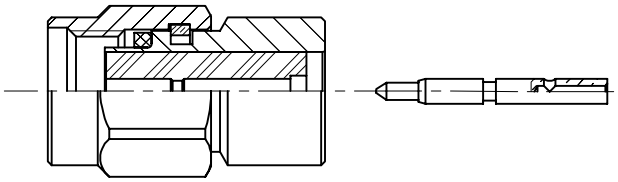
The stainless steel SMA range offers cable connectors for both flexible or semi-rigid cables, panel and PCB mount receptacles including press mount, microstrip, universal, through hole pins and end launch connectors. In series adapters and between series adapters including PUSH-ON interface are also available.
All our stainless steel SMA connectors can be mated with our commercial (brass) SMA connectors.

- **Convenient 3-piece design on most connectors for flexible cables :**
  - ☞ *for straight models* : single piece body + center contact + outer ferrule,
  - ☞ f*or right angle models* : single piece body + cap + outer ferrule.

- **Fast and reliable cable attachment :**

The cable connectors can be either fully crimped or soldered/crimped, offering full flexibility for high volume production with standard manual or pneumatic tooling : fast and reliable.
  - ☞ *the center contact* can be either crimped or soldered,
  - ☞ *the outer contact* is attached to the cable by crimping a ferrule.

- **Simple snap-in center contact captivation (for full crimp models)**



The relative position of the center contact into the interface is mechanically guaranteed by the snapping of the insulator inner shoulder into the groove of the center contact.
This design facilitates the captivation operation in contrast of other designs, requiring 2 insulators to provide contact retention.

- **SMA extended dielectric receptacles :**

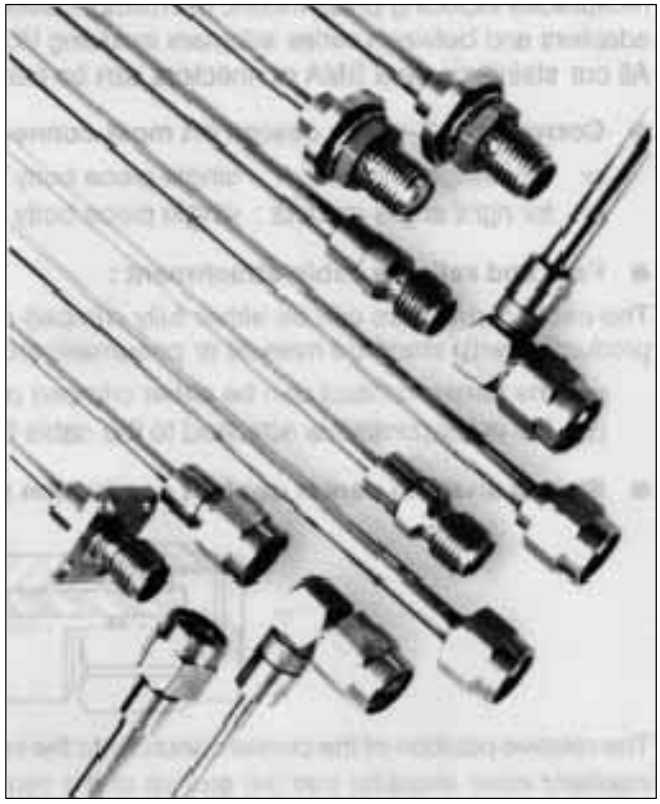
SMA flange receptacles are available either with 2 standard lengths of dielectric and center contact at the back or with custom lengths. They offer 3 technologies of center contact captivation (epoxy, indents and no captivation), 2 surface plating (passivated or gold plating) and 2 flange types (2 holes or 4 holes).

● **Extended frequency SMA**

Radiall offers an extended frequency SMA range allowing coaxial system operation completely through 27 GHz. This series mates with the standard SMA series and maintains the same mechanical characteristics (see p. 31).

● **Solderless attachment to semi-rigid cable**

Radiall's SMA crimp connector series offers an exciting alternative for assembling SMA connectors to semi-rigid cable. The main advantages of these connectors are : time saving, repeatability and performance. (see page 31)



Radiall also proposes a complete range of **MICROWAVE COMPONENTS** : terminations, attenuators, etc. all designed around the SMA interface (see page 33 to 36) and a complete range of tool (pages 37 to 43).

For further details, please ask for our : ☞

- PUSH-ON adapters : **D1 036 DE**
- Between series adapters : **D1 191 CE**
- Commercial SMA series : **D1 124 CE**
- Crimp semi-rigid SMA : **D1 125 TE**
- Terminations : **D3 100 CE**
- Attenuators : **D3 200 CE**
- Soldering devices : **D1 035 DE**

GENERAL

50 Ω	DC - 18 GHz

GENERAL

- Sub-miniature coaxial connectors
- Screw–on coupling
- High RF performance
- 2 plating options :
  - passivated stainless steel
  - gold plated
- Wide hermetically sealed range
  (Please contact RADIALL)
- Space qualified range of products
  (Please contact RADIALL)
- SMA extended frequency 27 GHz

APPLICABLE STANDARDS

- MIL- C - 39012
- IEC 169-1
- CECC 22110
- CECC 22111 - 801 to 808
- BS 9210 N006

QUALIFICATIONS/APPROVALS

- MIL QPL
- CECC QPL

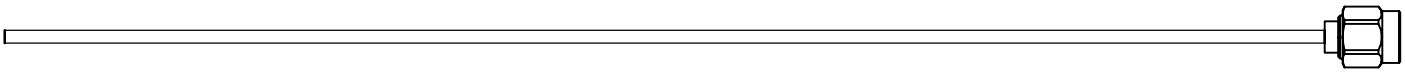
SPACE QUALIFIED/APPROVALS

(For space range)

- SCC 3402 (ESA)
- CNES

APPLICATIONS

- Civil & Military Telecommunications
- Civil & Military Aeronautics
- Military equipments
- Space
- Measurement systems

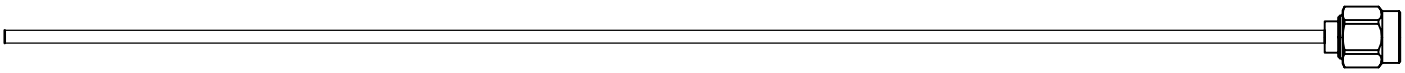


CABLE CONNECTORS

Model	Straight plug			Right-angle plug		Straight jack	Square flange straight jack		2 hole flange straight jack	Bulkhead straight jack	
cable	crimp and full crimp	clamp	solder	crimp and full crimp	solder	solder	crimp and full crimp	solder	solder	full crimp	solder
2/50/S (RG 178)	**R125 069 000** **R125 069 001** (page 13)			**R125 170 402** (page 14)							
2.6/50/S (RG 316)	**R125 071 120** **R125 071 121** **R125 072 000** **R125 072 001** **R125 073 000** **R125 073 001** (page 13)	**R125 091 000** **R125 091 001** (page 13)		**R125 172 000** **R125 172 001** (page 14)			**R125 272 000** **R125 272 001** (page 15)			**R125 312 120** **R125 312 121** (page 16)	
2.6/50/D (RD 316)	**R125 072 080** **R125 072 081** **R125 072 220** **R125 072 221** (page 13)			**R125 174 000** **R125 174 011** (page 14)						**R125 313 120** **R125 313 121** **R125 322 030** (page 16)	
5/50/S (RG 58)	**R125 075 000** **R125 075 001** **R125 075 320** **R125 075 321** (page 13)			**R125 175 000** **R125 175 001** (page 14)			**R125 277 000** **R125 277 001** (page 15)			**R125 314 120** **R125 314 121** (page 16)	
5/50/S (LMR200)	**R125 076 201** (page 13)										
5/50/D (RG 142)	**R125 076 000** **R125 076 001** **R125 076 120** **R125 076 121** (page 13)			**R125 176 000** **R125 176 001** (page 14)			**R125 278 000** **R125 278 001** (page 15)			**R125 315 120** **R125 315 121** (page 16)	
.085“ (RG 405)			**R125 052 000** **R125 052 002** **R125 052 102** **R125 052 500** (page 14)		**R125 153 000** **R125 153 002** (page 15)	**R125 222 000** (page 15)		**R125 256 000** (page 16)	**R125 252 000** (page 16)		**R125 326 000** (page 17)
.141“ (RG 402)			**R125 054 000** **R125 054 002** **R125 054 500** **R125 054 502** **R125 055 000** **R125 055 002** **R125 055 100** **R125 055 102** **R125 055 500** **R125 057 000** **R125 057 002** (page 14)		**R125 154 000** **R125 154 002** (page 15)	**R125 225 000** **R125 225 102** (page 15)		**R125 255 000** (page 16)	**R125 251 000** (page 16)		**R125 305 000** **R125 325 000** (page 17)

SMA

FINDER GUIDE



RECEPTACLES

Model	Straight female flange mount receptacle		Straight male flange mount receptacle		Right angle female-flange mount receptacle	Straight female bulkhead mount receptacle		Press mount receptacle	PCB female receptacle		
back	square	2 hole	square	2 hole	square	front mount	rear mount	straight	straight	right-angle	end launch
Solder pot	**R125 403 00X** (page 18)	**R125 453 00X** **R125 454 00X** (page 18)	**R125 433 00X** (page 19)	**R125 483 00X** (page 19)	**R125 653 00X** **R125 654 00X** (page 18)		**R125 553 00X** (page 19)	**R125 590 001** (page 26)			
Slotted contact	**R125 614 010** **R125 614 011** (page 25)										
Straight terminal	**R125 512 00X** **R125 513 00X** (page 24) **R125 413 00X** **R125 414 00X** **R125 415 27X** (page 20) **R125 610 00X** **R125 611 00X** (page 23)	**R125 462 00X** (page 24) **R125 464 00X** **R125 464 27X** (page 20)	**R125 444 00X** (page 21) **R125 492 00X** (page 24)	**R125 474 00X** (page 21) **R125 484 00X** (page 24)	**R125 654 45X** (page 21)	**R125 555 500** **R125 560XXX** (page 21)		**R125 590 201** **R125 590 221** (page 26)			
Solder contact with custom back length	**R125 413 30X** **R125 414 30X** **R125 416 30X** (page 20)	**R125 463 30X** **R125 464 30X** **R125 466 30X** (page 20)									
Flat tab	**R125 5010XX** **R125 510 00X** **R125 620 00X** **R125 943 001** (page 22)	**R125 503 00X** **R125 504 00X** **R125 497 00X** (page 22)	**R125 488X0X** (page 23)				**R125 603 000** (page 19)				
Removable contact (universal receptacle)	**R125 410 00X** (page 25)	**R125 460 00X** (page 25)	**R125 430 00X** (page 25)	**R125 480 001** (page 25)	**R125 670 00X** (page 25)						
Solder pins									**R125 426XXX** (page 26)	**R125 680XXX** (page 26)	**R125 423 200** (page 26)

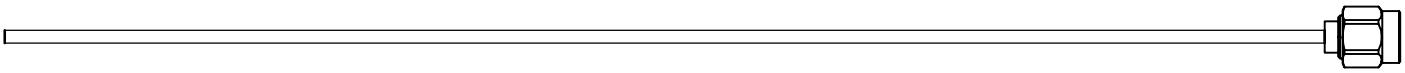
IN SERIES ADAPTERS

Model	Straight	Straight bulkhead	Straight bulkhead (hermetically sealed)	Right angle	Tee
M . M	**R125 703 000** **R125 703 001** (page 27)				
F . F	**R125 705 000** **R125 705 001** (page 27)	**R125 720 000** **R125 720 001** (page 27)	**R125 753 000** **R125 753 001** (page 27)		
M . F	**R125 704 000** **R125 704 001** **R125 791 501** **R125 792 501** (page 27)			**R125 771 000** **R125 771 001** (page 27)	
F + F / M					**R125 780 000** **R125 780 001** (page 27)
F - F / F					**R125 781 000** **R125 781 001** (page 27)

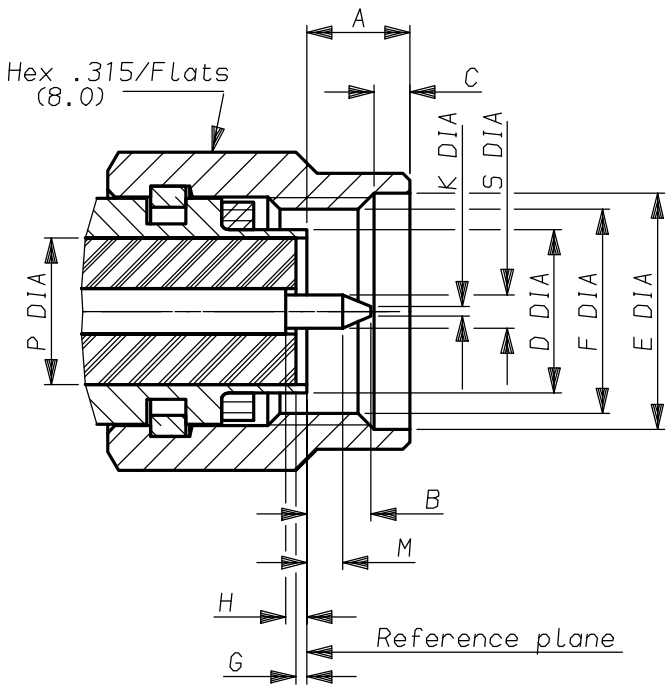
CAPS

Model	Free	Cord	Chain	Short circuit
M	**R125 802 000** **R125 802 001** (page 28)		**R125 812 000** **R125 812 001** (page 28)	**R125 852 000** **R125 852 001** (page 28)
F		**R125 845 000** **R125 845 001** (page 28)		

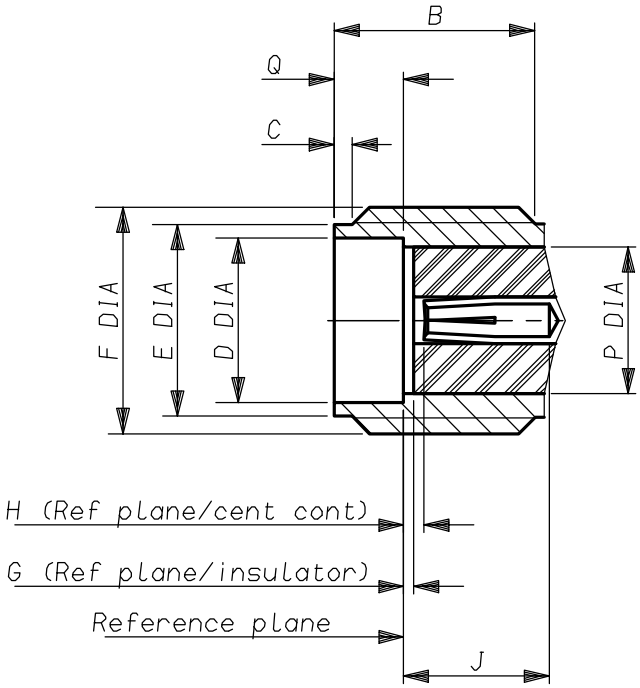
ATTENTION *! This guide is intended as an information and does not include all SMA SERIES P/N*



PLUG



JACK

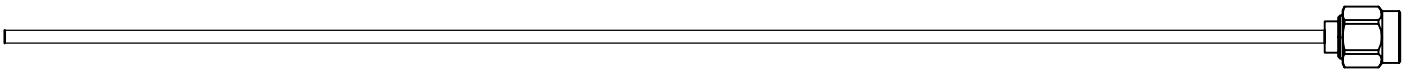


LETTER	mm		inch	
	min.	max.	min.	max.
A		3.43		.135
B		2.54		.100
C	0.38	1.14	.015	.045
D DIA		4.59		
E DIA	6.35		.250	
F DIA	1/4 36 UNS 2B			
G*	0.0	-0.20	0.0	-.008
H*	0.0	-0.25	0.0	-.010
J				
K DIA		0.38		.015
M	1.27		.050	
P DIA	4.10 nom		.161 non	
Q DIA				
S DIA	0.90	0.94	.035	.037

LETTER	mm		inch	
	min.	max.	min.	max.
A				
B	4.31		.170	
C	0.38	1.14	.015	.045
D DIA	4.596		.181	
E DIA	5.28	5.49	.208	.216
F DIA	1/4 36 UNS 2A			
G*	0.0	-0.20	0.0	-.008
H*	0.0	-0.25	0.0	-.010
J	2.92		.115	
K				
M				
P DIA	4.10 nom		.161 non	
Q	1.88	1.98	.074	.078
S DIA				

*NOTA : - means behind ref plane

CHARACTERISTICS



TEST / CHARACTERISTICS	VALUES / REMARKS

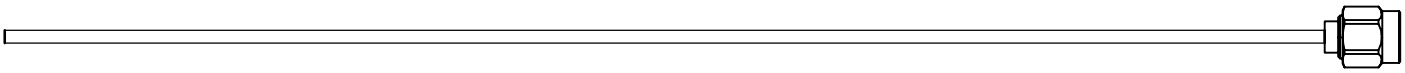
ELECTRICAL CHARACTERISTICS

Impedance		50 Ω				
Frequency range		DC - 18 GHz				
Typical V.S.W.R.	**Frequency**	**1 GHz**	**2.4 GHz**	**6 GHz**	**12.4 GHz**	**18 GHz**
• *straight connector*	.085"	1.01	1.01	1.04	1.06	1.06
	.141"	1.01	1.01	1.01	1.03	1.05
	2.6/50S	1.05	1.07	1.12	1.15	
	5/50S	1.04	1.05	1.10	1.12	
• *right angle connector*	.085"	1.01	1.02	1.06	1.14	
	.141"	1.01	1.02	1.08	1.10	
	2.6/50S	1.06	1.15	1.18	1.24	
	5/50S	1.06	1.15	1.15	1.25	
Typical insertion loss in dB						
• *straight connector*	.085"	0.03	0.03	0.05	0.08	0.10
	.141"	0.02	0.02	0.02	0.02	0.02
	2.6/50S 5/50S	0.06 F (F in GHz) max				
• *right angle connector*	.085"	0.04	0.04	0.04	0.08	
	.141"	0.04	0.05	0.06	0.09	
	2.6/50S	0.08	0.08	0.10	0.10	
	5/50S	0.04	0.12	0.12	0.25	
RF leakage (dB max) • *connectors for semi-rigid cables solder attachment* • *connectors for flexible cables crimp attachment* • *receptacles*		-90 + F (GHz) -60 + F (GHz) -100 + F (GHz)				
Insulation resistance		5 000 MΩ mini				
Contact resistance		**After tests**		**Initial**		
• *Outer conductor*		4 mΩ		3 mΩ		
• *Inner conductor*		3 mΩ		2 mΩ		
		.085", RG 405, KS 1	***.141", RG 402, KS 2***	***RG 174, 188, 316, KX 3, KX 22***	***RG 55, 142, 223, KX 23***	
Working voltage in VRMS						
• *sea level*		350	500	250	335	
• *70 000 feet*		85	125	65	85	
Dielectric withstanding voltage in VRMS		1000	1500	750	1000	
RF testing voltage at in VRMS		670	1000	500	670	

MECHANICAL CHARACTERISTICS

Durability	500 matings			
Force to engage and disengage	23 Ncm - (2 inch pounds)			
Recommended coupling nut torque	80 to 115 Ncm - (7 to 10 inch pounds)			
Coupling nut retention force	270 N - (60 Lbs)			
Cable retention force	***.085", RG 405, KS 1***	***.141", RG 402, KS 2***	***RG 174, 188, 316, KX 3, KX 22***	***RG 55, 142, 223, KX 23***
	135 N (30 Lbs)	270 N (60 Lbs)	110 N (25 Lbs)	180 N (40 Lbs)
Center contact retention force • *axial* • *torque*	27 N 2.8 N			

CHARACTERISTICS



ENVIRONMENTAL CHARACTERISTICS

Temperature range *Standard models* *Semi-rigid cable* ***R125 753 000* & *R125 603 000***	 - 65°C + 165° C - 65°C + 105° C - 40°C + 100° C
Thermal shock	MIL STD 202, method 107, condition B,
High temperature test	MIL STD 202, method 108
Corrosion (salt spray)	MIL STD 202, method 101, condition B,
Vibration	MIL STD 202, method 204, condition D, 20g
Shock	MIL STD 202, method 213
Moisture resistance	MIL STD 202, method 106
Hermetic test	down to 10^{-6}mmHg (Torr) leakage rate < 10^{-8} atm/cm^3/sec
Barometric pressure	MIL STD 202, method 105, condition C

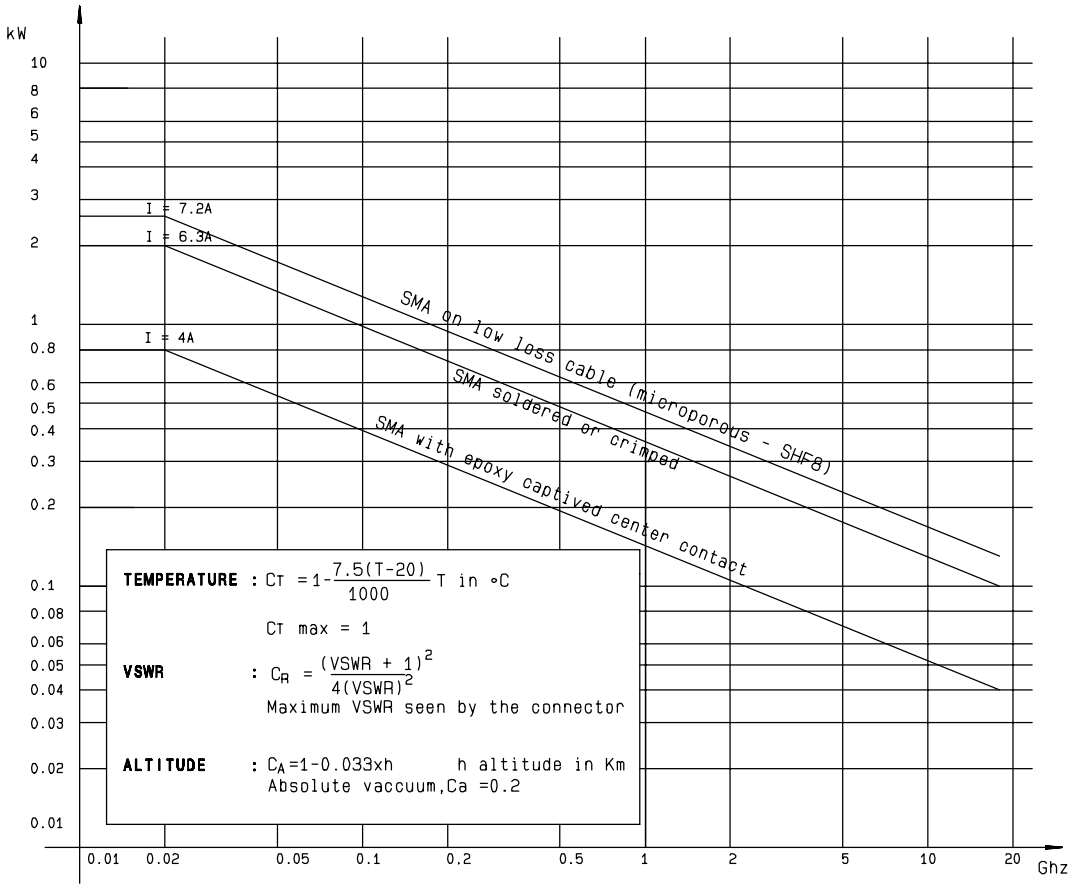
MATERIALS

Body / nut		Stainless steel
Center contacts	female male	Beryllium copper Brass
Gaskets		Silicone rubber
Insulator		PTFE

FINISH

Bodies	Passivated or gold plated
Center contacts	Gold plated

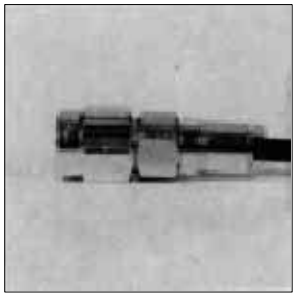
POWER RANGE

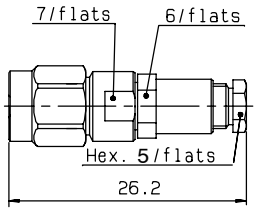


Standard packaging : unit

All dimensions are given in mm

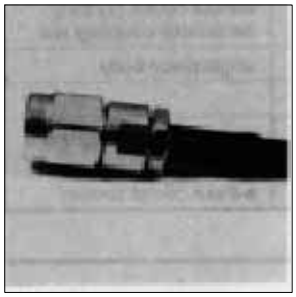
STRAIGHT PLUGS CLAMP TYPE FOR FLEXIBLE CABLES





Cable group	Part number (gold)	Part number (passivated)	Captive center contact	Assembly
2.6 / 50 / S	**R125 091 000**	**R125 091 001**	yes	M01

STRAIGHT PLUGS CRIMP TYPE FOR FLEXIBLE CABLES



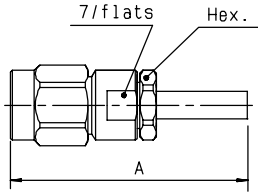


Fig. 1

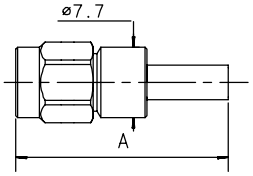


Fig. 2

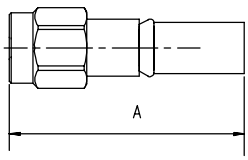


Fig. 3

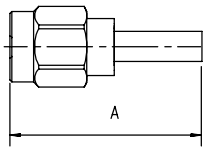


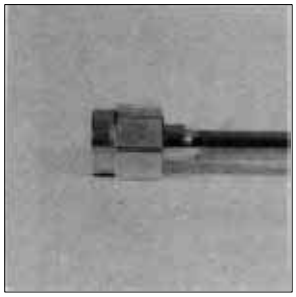
Fig. 4

Cable group	Part number (gold)	Part number (passivated)	Fig.	Dimensions A (mm)	Captive center contact	Assembly	Note
2 / 50 / S	**R125 069 000**		1	26	yes	M04	
2.6 / 50 / S	**R125 071 120**	**R125 071 121**	2	23.4	yes	M05	full crimp type/ single piece body
2.6 / 50 / S	**R125 072 000***	**R125 072 001***	3	21.1	no	M02	single piece body
2.6 / 50 / S	**R125 073 000***	**R125 073 001**	1	26	yes	M04	
2.6 / 50 / D	**R125 072 080***	**R125 072 081**	3	20.1	no	M02	single piece body
2.6 / 50 / D	**R125 072 220**	**R125 072 221**	2	23.4	yes	M05	full crimp type/ single piece body
5 / 50 / S	**R125 075 000**	**R125 075 001**	4	24.9	no	M02	single piece body
5 / 50 / S	**R125 075 320**	**R125 075 321**	2	26.4	yes	M05	full crimp type/ single piece body
5 / 50 / S		**R125 076 201●**	3	24.2	no	M02	single piece body/ LMR 200 cable
5 / 50 / D	**R125 076 000***	**R125 076 001**	4	25	no	M02	single piece body
5 / 50 / D	**R125 076 120**	**R125 076 121**	2	26.4	yes	M05	full crimp type/ single piece body

● upon request

* packaging: 100 pieces. For unit packaging, add “W” after the P/N

STRAIGHT PLUGS SOLDER TYPE FOR SEMI RIGID CABLES



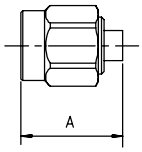


Fig. 1

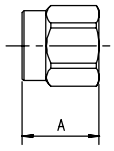


Fig. 2

Cable group	Part number (gold)	Part number (gold/passivated nut)	Fig.	Dimensions A (mm)	Captive center contact	Assembly	Note
.085"	**R125 052 000***	**R125 052 002**	1	11.2	no	M10	single piece body
.085"		**R125 052 102●**	1	11.2	yes	M12	
.085"	**R125 052 500●**		1	11.2	no	M12	retractable coupling nut/ single piece body
.141"	**R125 054 000**	**R125 054 002**	2	8.5		M09	without center contact
.141"	**R125 054 500**	**R125 054 502●**	2	7.5		M09	without center contact/ retractable couplingt nut
.141"	**R125 055 000***	**R125 055 002***	1	11.2	no	M10	single piece body
.141"	**R125 055 100●**	**R125 055 102●**	1	11.2	yes	M12	
.141"	**R125 055 500**		1	11.2	no	M10	retractable coupling nut/ single piece body
.141"	**R125 057 000**	**R125 057 002**	1	11.2		M09	without center contact

RIGHT ANGLE PLUGS CRIMP TYPE FOR FLEXIBLE CABLES

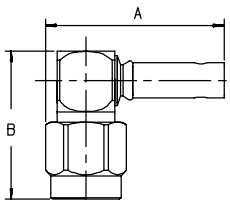


Fig. 1

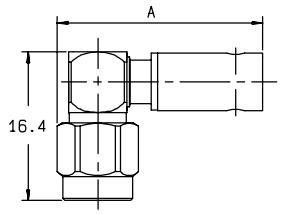


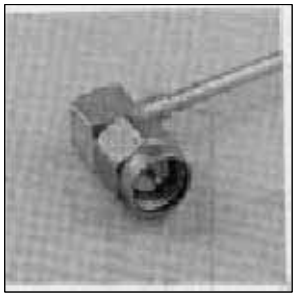
Fig. 2

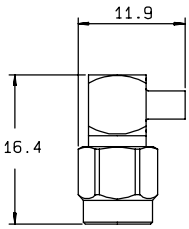
Cable group	Part number (gold)	Part number (passivated)	Fig.	Dimensions (mm) A	Dimensions (mm) B	Captive center contact	Assembly	Note
2 / 50 / S	**R125 170 402**		1	19.6	16.85	yes	M11	
2.6 / 50 / S	**R125 172 000**	**R125 172 001***	1	19.6	16.4	yes	M11	single piece body
2.6 / 50 / D	**R125 174 000**		1	18.6	16.4	yes	M11	
2.6 / 50 / D		**R125 174 011**	1	18.6	16.85	yes	M11	
5 / 50 / S	**R125 175 000**	**R125 175 001**	2	21.8		yes	M11	single piece body
5 / 50 / D	**R125 176 000**	**R125 176 001**	2	21.8		yes	M11	

● upon request

* packaging: 100 pieces. For unit packaging, add "W" after the P/N

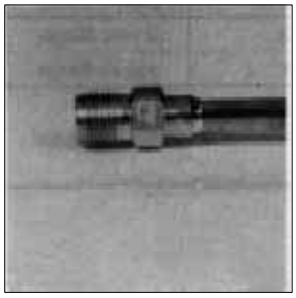
RIGHT ANGLE PLUGS SOLDER TYPE FOR SEMI RIGID CABLES

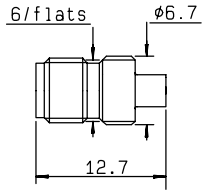




Cable group	Part number (gold)	Part number (gold/passivated nut)	Captive center contact	Assembly
.085"	**R125 153 000**	**R125 153 002***	yes	M03
.141"	**R125 154 000***	**R125 154 002***	yes	M03

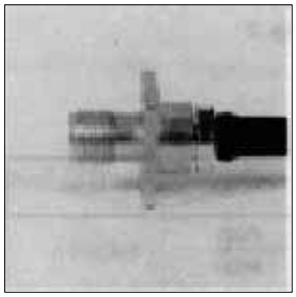
STRAIGHT JACKS SOLDER TYPE FOR SEMI-RIGID CABLES

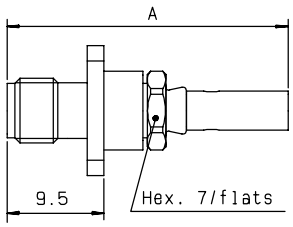


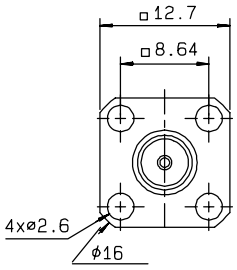


Cable group	Part number (gold)	Captive center contact	Assembly
.085"	**R125 222 000***	no	M10
.141"	**R125 225 000***	no	M10
.141"	**R125 225 102●**	yes	M12

STRAIGHT FLANGE JACKS CRIMP TYPE FOR FLEXIBLE CABLES







Cable group	Part number (gold)	Part number (passivated)	Dimension A (mm)	Captive center contact	Assembly	Cut out
2.6 / 50 / S	**R125 272 000***	**R125 272 001**	27.5	no	M06	P11
5 / 50 / S	**R125 277 000●**	**R125 277 001●**	29.6	no	M06	P11
5 / 50 / D	**R125 278 000●**	**R125 278 001●**	29.6	no	M06	P11

● upon request

* packaging: 100 pieces. For unit packaging, add "W" after the P/N

STRAIGHT FLANGE JACKS SOLDER TYPE FOR SEMI-RIGID CABLES

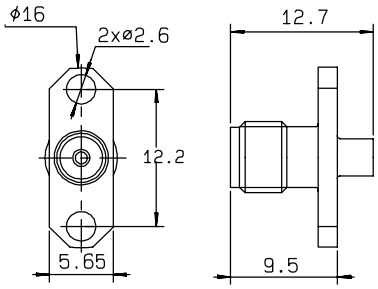


Fig. 1

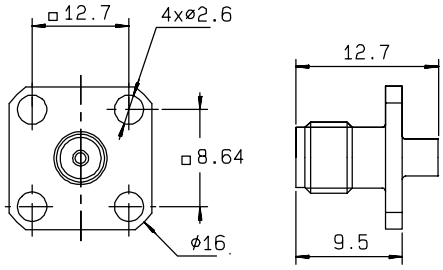


Fig. 2

Cable group	Part number (gold)	Fig.	Captive center contact	Assembly	Cut out	Note
.085"	**R125 252 000**	1	no	M10	P09	2 hole flange
.085"	**R125 256 000***	2	no	M11	P11	square flange
.141"	**R125 251 000**	1	no	M10	P09	2 hole flange
.141"	**R125 255 000***	2	no	M11	P11	square flange

BULKHEAD JACKS CRIMP TYPE FOR FLEXIBLE CABLES (rear mount)

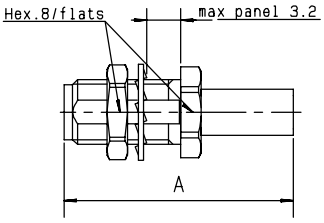


Fig. 1

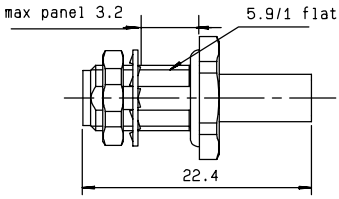
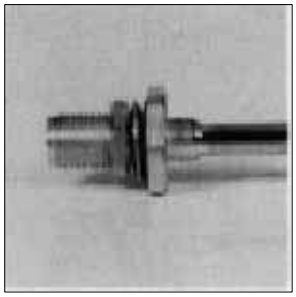


Fig. 2

Cable group	Part number (gold)	Part number (passivated)	Fig.	Dimension A (mm)	captive center contact	Assembly	Cut out	Note
2.6 / 50 / S	**R125 312 120**	**R125 312 121**	1	22.4	yes	M05	P03	Full crimp
2.6 / 50 / D	**R125 313 120**	**R125 313 121**	1	22.4	yes	M05	P03	
2.6 / 50 / D	**R125 322 030***		2		yes	M02	P03	Panel sealed
5 / 50 / S	**R125 314 120**	**R125 314 121**	1	25.4	yes	M05	P03	Full crimp
5 / 50 / D	**R125 315 120**	**R125 315 121**	1	25.4	yes	M05	P03	

* packaging: 100 pieces. For unit packaging, add "W" after the P/N

BULKHEAD JACKS SOLDER TYPE FOR SEMI RIGID CABLES (rear mount)



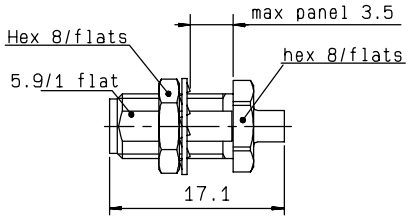


Fig. 1

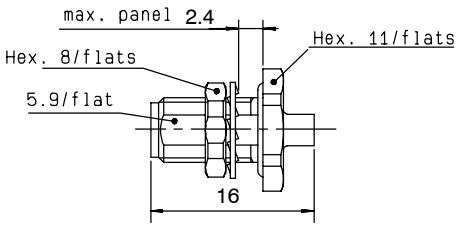


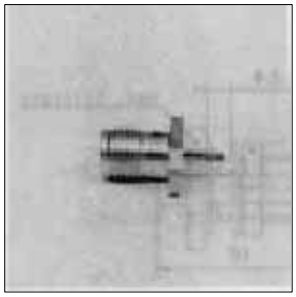
Fig. 2

Cable group	Part number (gold)	Fig.	Captive center contact	Assembly	Cut out	Note
.085”	**R125 326 000**	1	no	M10	P03	Panel sealed
.141”	**R125 305 000**	2	no	M10	P03	
.141”	**R125 325 000***	1	no	M10	P03	Panel sealed

* packaging: 100 pieces. For unit packaging, add “W” after the P/N

RECEPTACLES WITH SOLDER POT

STRAIGHT FEMALE FLANGE RECEPTACLES



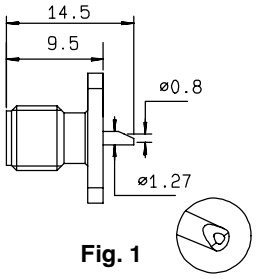
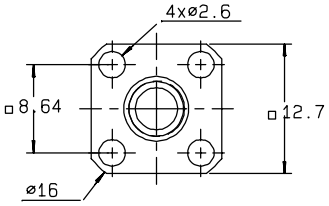


Fig. 1



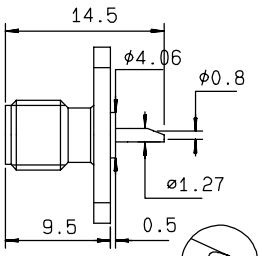


Fig. 2

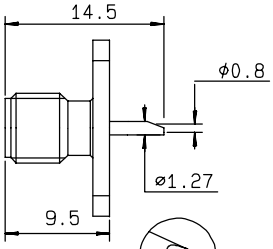
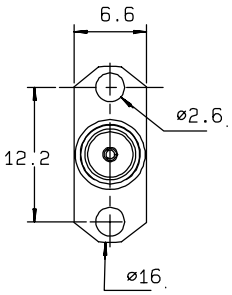
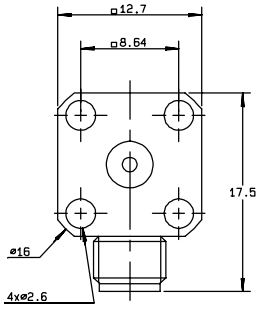


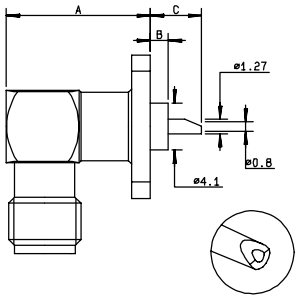
Fig. 3



Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out	Note
R125 403 000	**R125 403 001**	1	yes	P04	square flange
R125 453 000	**R125 453 001**	2	yes	P01	extended dielectric / 2 hole flange
R125 454 0001	**R125 454 001**	3	yes	P01	2 hole flange

RIGHT ANGLE FEMALE SQUARE FLANGE RECEPTACLES

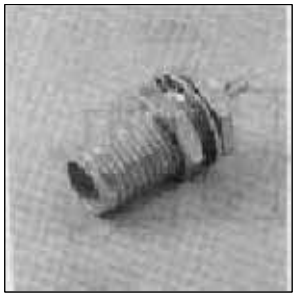




Part number (gold)	Part number (passivated)	Dimensions (mm) A	B	C	Captive center contact	Cut out
R125 653 000	**R125 653 001**	12.4	4.6	1.57	yes	P04
R125 654 000	**R125 654 001**	11.1	0	6.1	yes	P04

RECEPTACLES WITH SOLDER POT

BULKHEAD FEMALE RECEPTACLE



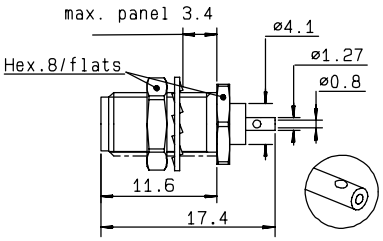


Fig. 1

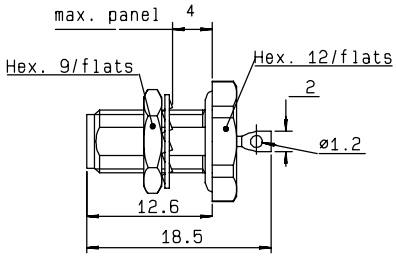
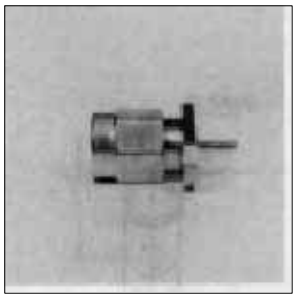


Fig. 2

Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out	Note
R125 553 000*	**R125 553 001**	1	yes	P03	
R125 603 000		2	yes	P03	hermetically sealed

STRAIGHT MALE FLANGE RECEPTACLES



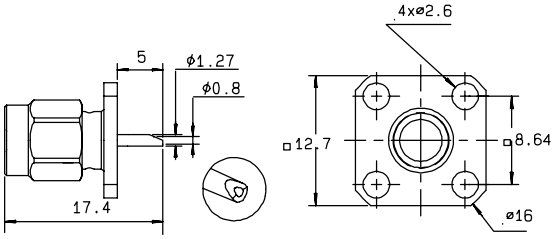


Fig. 1

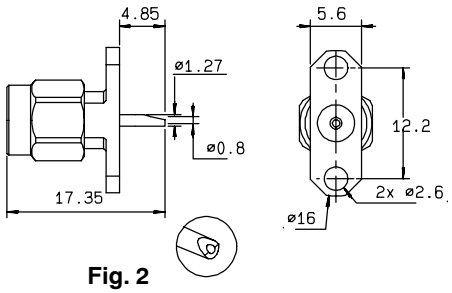


Fig. 2

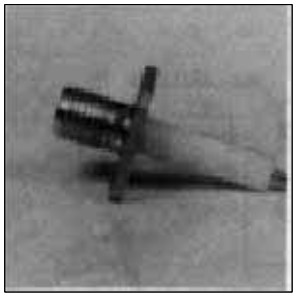
Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out	Note
R125 433 000	**R125 433 001**	1	yes	P04	square flange
R125 483 000●	**R125 483 001●**	2	yes	P01	2 hole flange

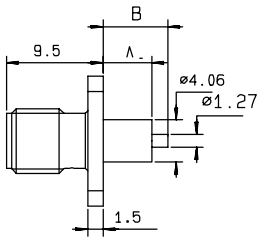
● upon request

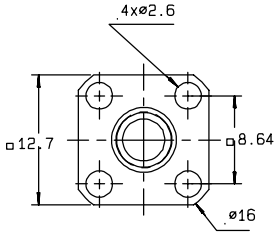
* packaging: 100 pieces. For unit packaging, add “W” after the P/N

RECEPTACLES WITH STRAIGHT TERMINAL

SQUARE FLANGE EXTENDED DIELECTRIC RECEPTACLES

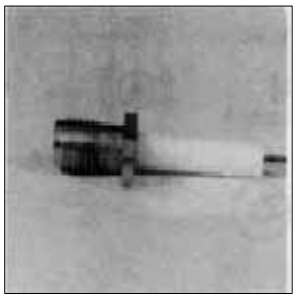


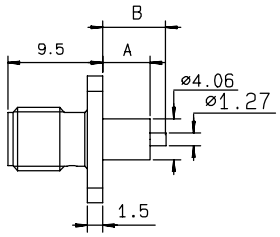


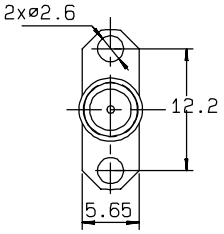


Part number (gold)	Part number (passivated)	Dimensions (mm) A	Dimensions (mm) B	Captive center contact	Cut out	Center contact retention
R125 413 000	**R125 413 001**	12.7	15.9	no	P04	no captivation
R125 414 000	**R125 414 001**	12.7	15.9	yes	P04	epoxy
R125 414 004	**R125 414 005**	12.7	15.9	yes	P04	4 indents
R125 415 270*	**R125 415 271**	15	17.9	yes	P04	epoxy
R125 415 274	**R125 415 275**	15	17.9	yes	P04	4 indents

2 HOLE FLANGE EXTENDED DIELECTRIC RECEPTACLES





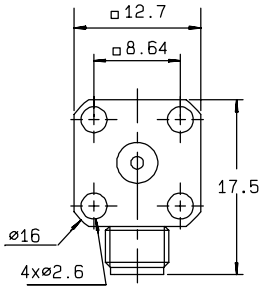


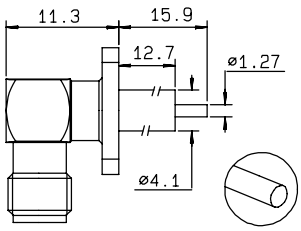
Part number (gold)	Part number (passivated)	Dimensions (mm) A	Dimensions (mm) B	Captive center contact	Cut out	Center contact retention
R125 464 000*	**R125 464 001**	12.7	15.9	yes	P01	epoxy
R125 464 004	**R125 464 005**	12.7	15.9	yes	P01	4 indents
R125 464 270	**R125 464 271**	15	17.9	yes	P01	epoxy
R125 464 274	**R125 464 275**	15	17.9	yes	P01	4 indents

* packaging: 100 pieces. For unit packaging, add “W” after the P/N

RECEPTACLES WITH STRAIGHT TERMINAL

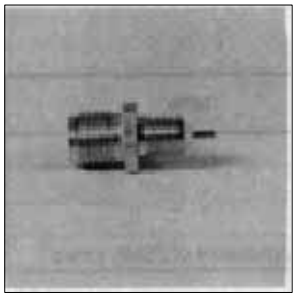
RIGHT ANGLE FEMALE SQUARE FLANGE RECEPTACLES





Part number (gold)	Part number (passivated)	Captive center contact	Cut out	Note
R125 654 450	**R125 654 451**	yes	P04	Extended dielectric

BULKHEAD FEMALE RECEPTACLES



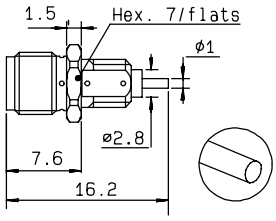


Fig. 1

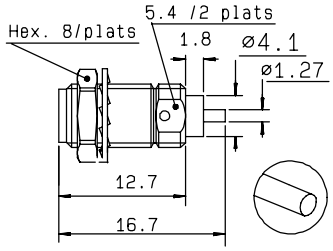
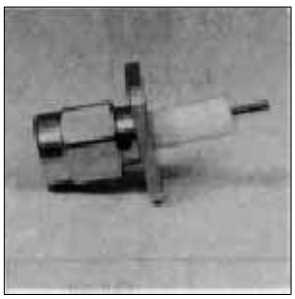


Fig. 2

Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Note
R125 555 500		1	yes	screw-on
R125 560 000	**R125 560 001**	2	yes	screw-on

STRAIGHT MALE FLANGE RECEPTACLES



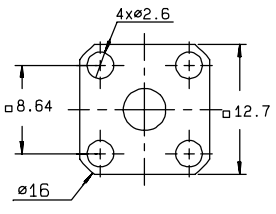


Fig. 1

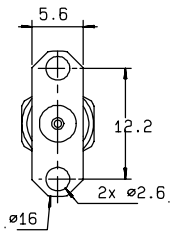
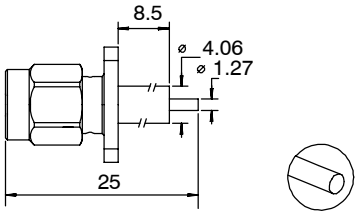


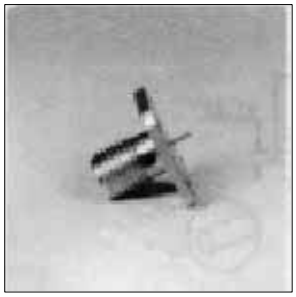
Fig. 2



Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out	Note
R125 444 000	**R125 444 001**	1	yes	P04	square flange
R125 474 000●	**R125 474 001●**	2	yes	P01	2 hole flange

● upon request

STRAIGHT FEMALE SQUARE FLANGE RECEPTACLES - FLAT TAB



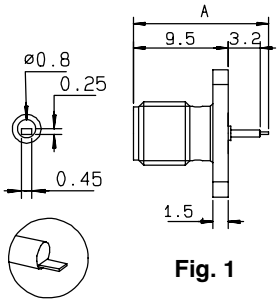


Fig. 1

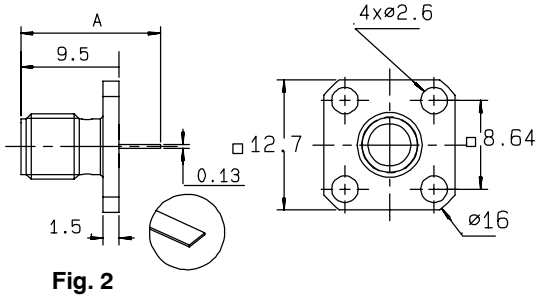


Fig. 2

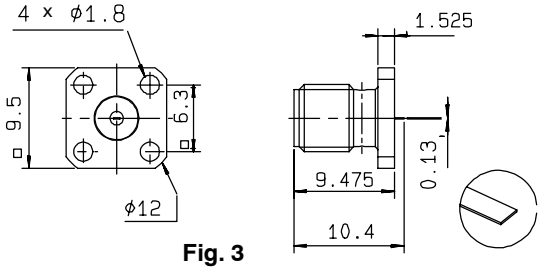
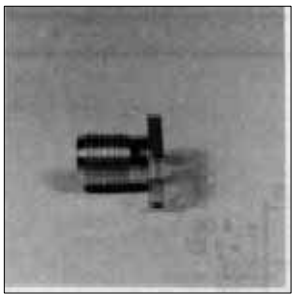


Fig. 3

Part number (gold)	Part number (passivated)	Fig.	Dimensions A (mm)	Captive center contact	Cut out	Note
R125 501 000	**R125 501 001**	1	13.5	yes	P04	
R125 510 000*	**R125 510 001**	2	12	yes	P04	
R125 620 000	**R125 620 001**	2	10.38	yes	P04	
	R125 943 001●	3		yes	P02	Flange dimensions of SSMA series(1)

(1) Ask our catalog **D1 121 CE** for **SSMA series**.

STRAIGHT FEMALE 2 HOLE FLANGE RECEPTACLES - FLAT TAB



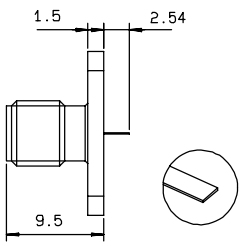


Fig. 1

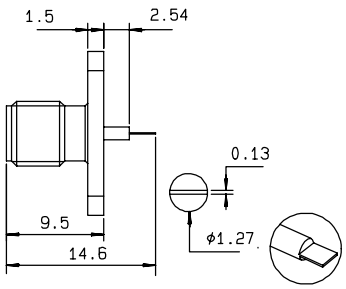
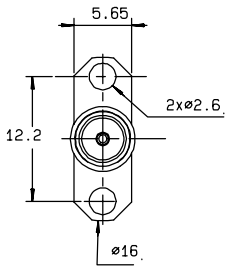


Fig. 2

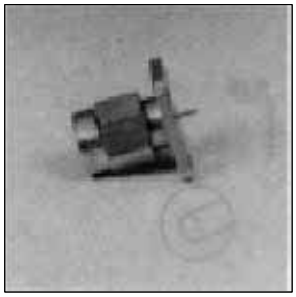


Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out
R125 497 000	**R125 497 001**	1	yes	P01
R125 503 000	**R125 503 001**	2	no	P09
R125 504 000●	**R125 504 001●**	1	no	P01

● upon request

* packaging: 100 pieces. For unit packaging, add “W” after the P/N

STRAIGHT MALE SQUARE FLANGE RECEPTACLES - FLAT TAB



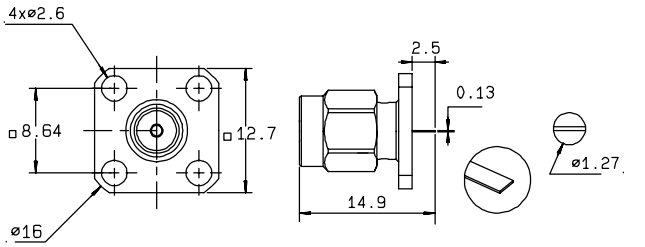


Fig. 1

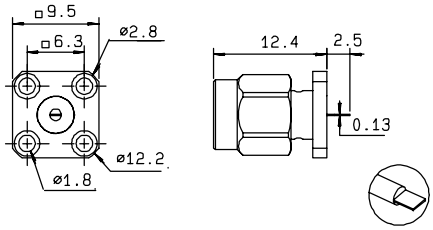


Fig. 2

Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out	Note
R125 488 000●	**R125 488 001●**	1	yes	P04	
R125 488 500●	**R125 488 501●**	2	yes	P03	Flange dimensions of SSMA series(1)

(1) Ask our catalog **D1 121 CE** for **SSMA series**.

STRAIGHT FEMALE SQUARE FLANGE RECEPTACLES - STRAIGHT TERMINAL

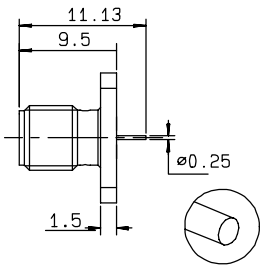
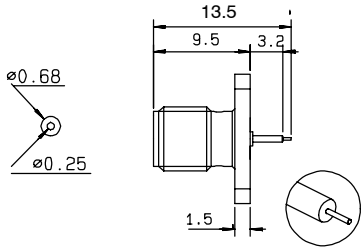


Fig. 1



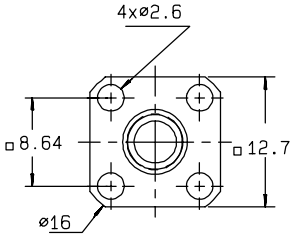


Fig. 2

Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out	Note
R125 610 000●	**R125 610 001●**	1	yes	P04	
R125 611 000●	**R125 611 001●**	2	yes	P04	extended dielectric

● upon request

STRAIGHT FEMALE FLANGE RECEPTACLES (Extended dielectric) - STRAIGHT TERMINAL

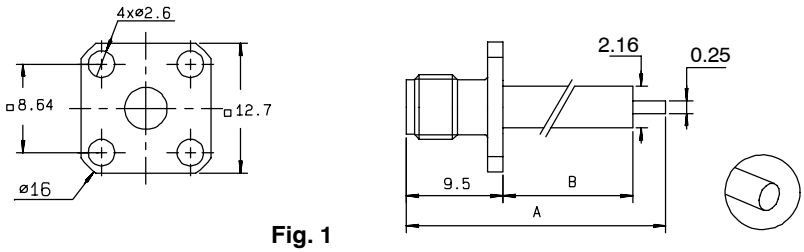


Fig. 1

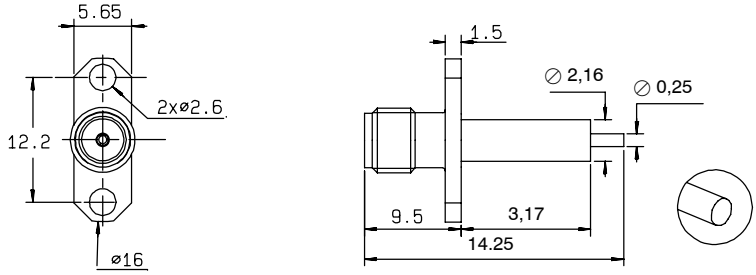
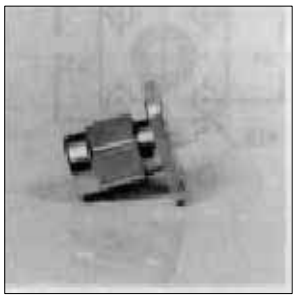


Fig. 2

Part number (gold)	Part number (passivated)	Fig.	Dimensions (mm) A	Dimensions (mm) B	Captive center contact	Cut out	Note
R125 512 000	**R125 512 001**	1	14.3	3.2	yes	P04	square flange
R125 513 000	**R125 513 001**	1	12.7	1.6	yes	P04	
R125 462 000	**R125 462 001**	2			yes	P01	2 hole flange

STRAIGHT MALE FLANGE RECEPTACLES - STRAIGHT TERMINAL



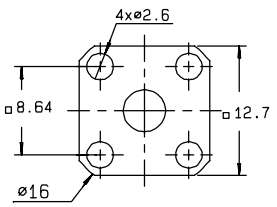


Fig. 1

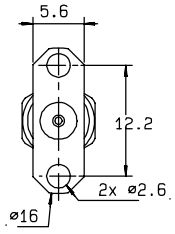
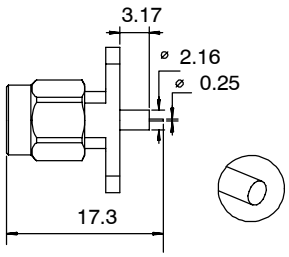
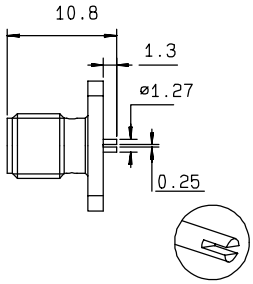


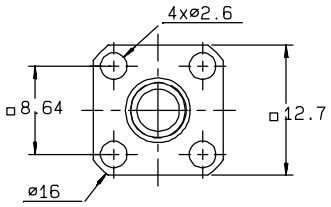
Fig. 2



Part number (gold)	Part number (passivated)	Captive center contact	Cut out	Note
R125 492 000●	**R125 492 001●**	yes	P04	square flange
R125 484 000	**R125 484 001**	yes	P01	2 hole flange

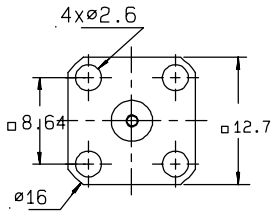
STRAIGHT FEMALE SQUARE FLANGE RECEPTACLES - SLOT





Part number (gold)	Part number (passivated)	Captive center contact	Cut out
R125 614 010●	**R125 614 011●**	yes	P08

UNIVERSAL FLANGE RECEPTACLES (to be used with removable contact, see page 29-30)



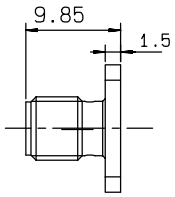


Fig. 1

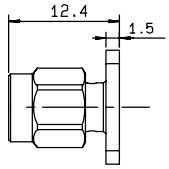


Fig. 4

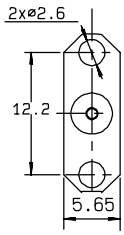
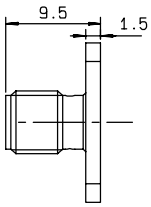


Fig. 2



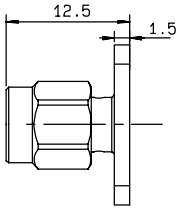
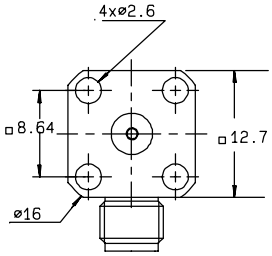


Fig. 5



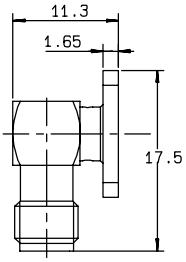


Fig. 3

Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Cut out	Note
R125 410 000	**R125 410 001**	1	yes	P04	female-square flange
R125 460 000	**R125 460 001**	2	yes	P01	female-2 hole flange
R125 670 000	**R125 670 001**	3	yes	P04	female-right angle square flange
R125 430 000	**R125 430 001**	4	yes	P04	male-square flange
	R125 480 001●	5	yes	P01	male-2 hole flange

● upon request

PRESS MOUNT RECEPTACLES

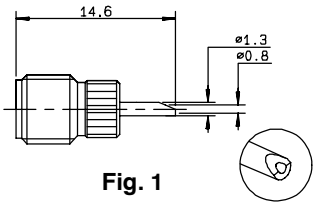


Fig. 1

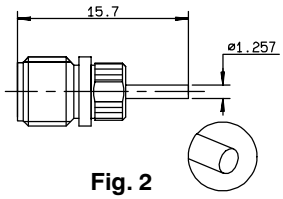


Fig. 2

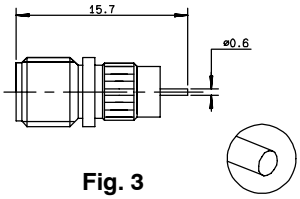
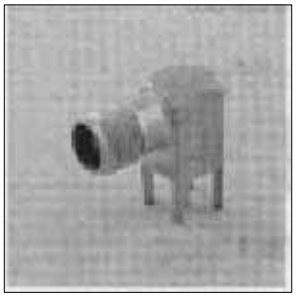


Fig. 3

Part number	Fig.	Captive center contact	Panel	Finish	Note
R125 590 001●	1	yes	P17	Passivated	Solder pot
R125 590 201●	2	yes	P18	Passivated	Straight terminal
R125 590 221●	3	yes	P16	Passivated	Straight terminal

PCB FEMALE RECEPTACLES



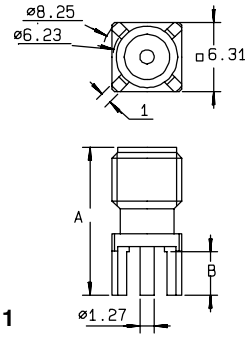


Fig. 1

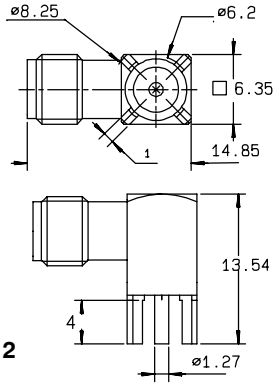
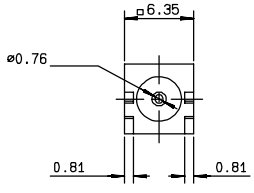
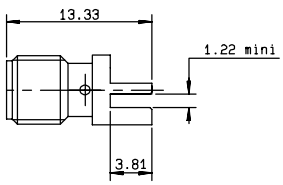


Fig. 2

Part number (gold)	Part number (gold + tin lead)	Fig.	Dimensions (mm)		Captive center contact	PCB pattern
			A	B		
R125 426 000		1	13.5	4	yes	P10
	R125 426 140●	1	16.4	6.9	yes	P10
R125 680 000		2			yes	P10

EDGE CARD RECEPTACLE

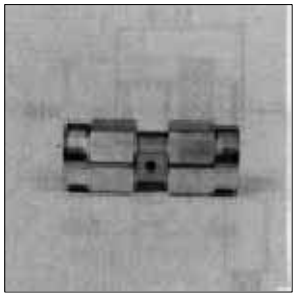




Part number (gold)	Captive center contact	Mounting	Note
R125 423 200●	yes	M13	solder pins

● upon request

IN SERIES ADAPTERS



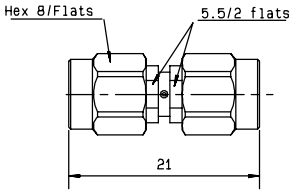


Fig. 1

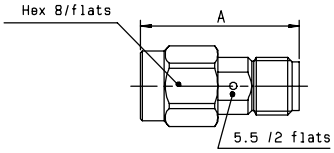


Fig. 2

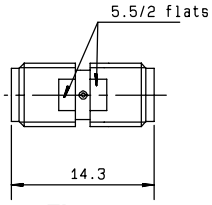


Fig. 3

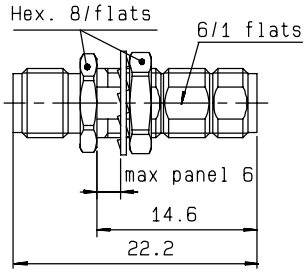


Fig. 4

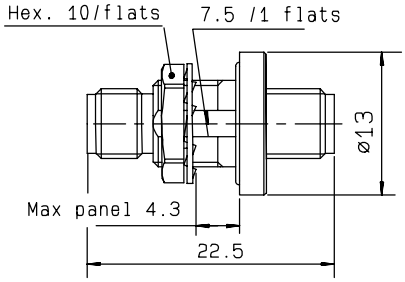


Fig. 5

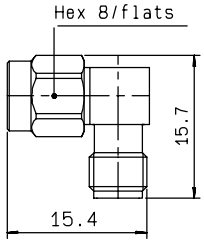


Fig. 6

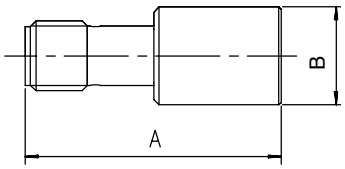
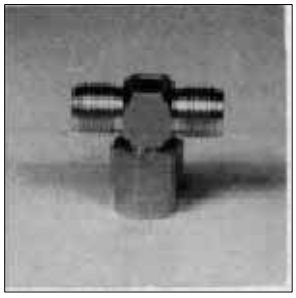


Fig. 7

Part number (gold)	Part number (passivated)	Fig.	Captive center contact	Dimensions (mm) A	Dimensions (mm) B	Cut out	Note
R125 703 000	**R125 703 001**	1	yes				male-male
R125 704 000	**R125 704 001**	2	yes	17.5			male-female
R125 705 000*	**R125 705 001**	3	yes				female-female
R125 720 000	**R125 720 001**	4	yes			P03	bulkhead female-female
R125 753 000	**R125 753 001**	5	yes			P12	bulkhead hermatically sealed female-female
R125 771 000	**R125 771 001***	6	yes				right angle male-female
	R125 791 501	7	yes	23.3	8.9		PUSH-ON** male
	R125 792 501	7	yes	24.8	11		PUSH-ON** female

** PUSH-ON adapter, see our catalog **D1036DE**

TEE IN SERIES ADAPTERS



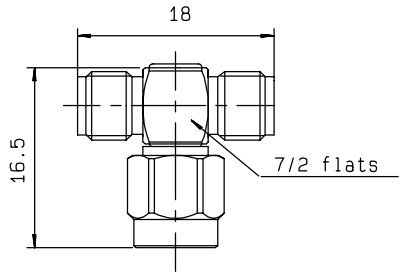


Fig. 1

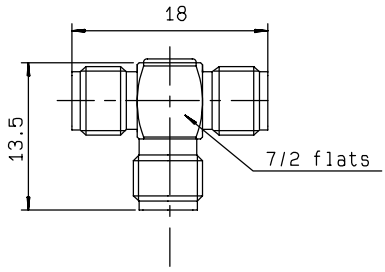
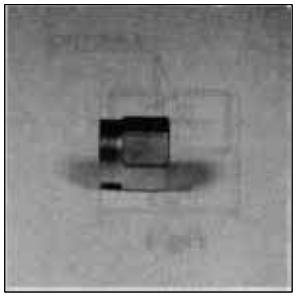


Fig. 2

Part number (gold)	Part number (passivated)	Fig.	Captive center contact
R125 780 000	**R125 780 001**	1	yes
R125 781 000	**R125 781 001**	2	yes

* packaging: 100 pieces. For unit packaging, add “W” after the P/N

MALE AND FEMALE CAPS



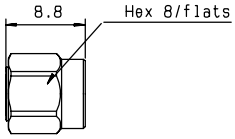


Fig. 1

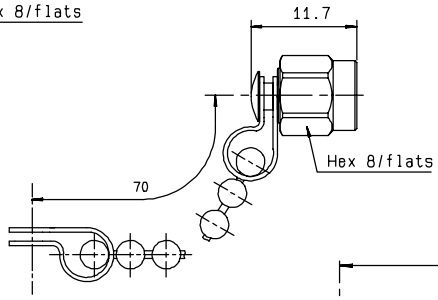


Fig. 2

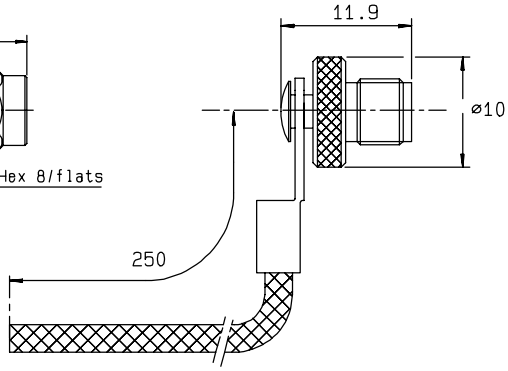
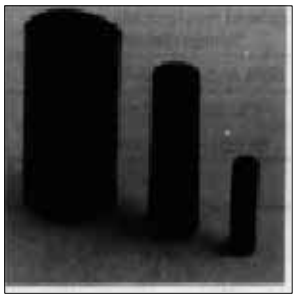
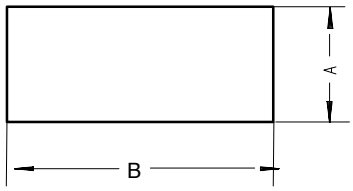


Fig. 3

Part number (gold)	Part number (passivated)	Fig.	Note
R125 802 000	**R125 802 001**	1	male
R125 812 000	**R125 812 001**	2	male
R125 845 000●	**R125 845 001●**	3	female
R125 852 000	**R125 852 001**	1	male short circuit

HEATSHRINK SLEEVE





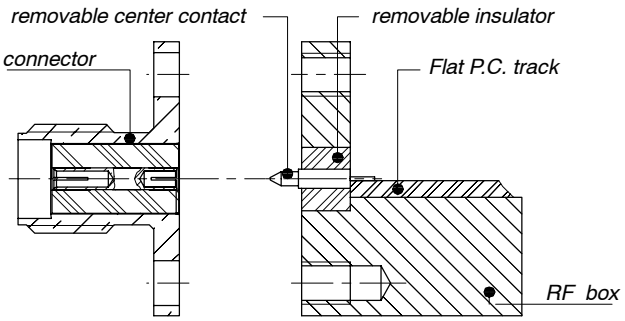
Cable group	part number	A	B	Packaging
2 / 50	**R280 637 010**	3.2	22	100
2.6 / 50	**R280 637 020**	4.8	22	
5 / 50-LMR200	**R280 637 030**	6.4	25.4	

● upon request

FIELD-REPLACEABLE CONTACTS (*To be used with universal receptacle)*

These accessories have been specifically designed for the adjustment at the rear of universal receptacles shown on page 25.

The choice of their dimensions depends on the circuit or on the thickness of the box. Moreover these contacts and insulators are also compatible with N *(see our complete N catalog **D1 161 CE**) and with COMMERCIAL SMA (see our complete commercial SMA catalog **D1 124 CE**)* UNIVERSAL RECEPTACLES.



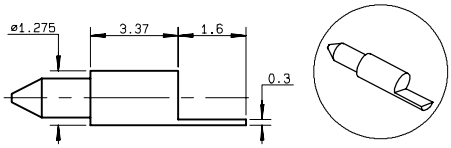


Fig. 1

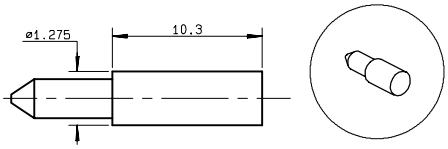


Fig. 2

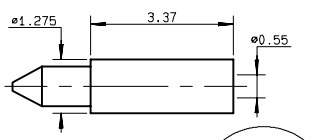


Fig. 3

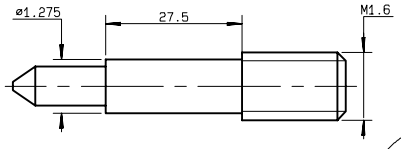


Fig. 4

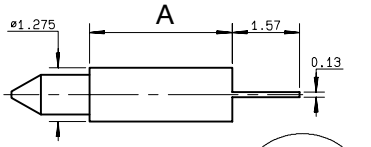


Fig. 5

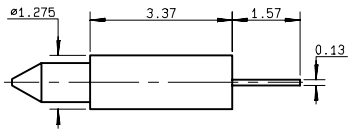


Fig. 6

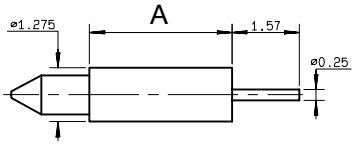
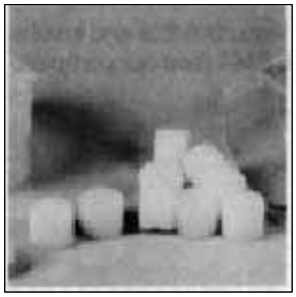
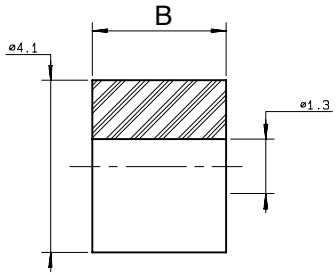


Fig. 7

Part number	Fig.	A	packaging	Associated insulator P/N
R280 150 000	1		10	**R280 468 000**
R280 151 000	2		10	**R280 468 120**
R280 547 110	3		10	**R280 468 000**
R280 457 208	4		100	**R280 468 110**
R280 460 000	5	1,77	10	**R280 467 000**
R280 461 000	5	3,37	10	**R280 468 000**
R280 461 200	6		10	**R280 468 000**
R280 461 210	5	10,3	10	**R280 468 120**
R280 462 000	7	1,77	10	**R280 467 000**
R280 463 000	7	3,37	10	**R280 468 000**

FIELD REPLACEABLE INSULATORS *(to be used with field replaceable contacts, page : 29)*





Part number	B	Packaging
R280 467 000	1.57	10
R280 468 000	3.17	10
R280 468 110	27.5	100
R280 468 120	10.1	10

FIELD REPLACEABLE CONTACTS *(to be used with universal receptacles, page : 25)*

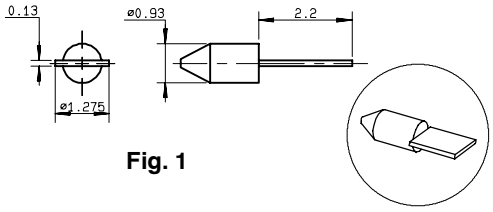


Fig. 1

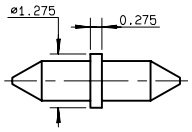


Fig. 2

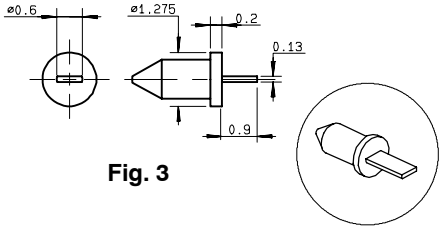


Fig. 3

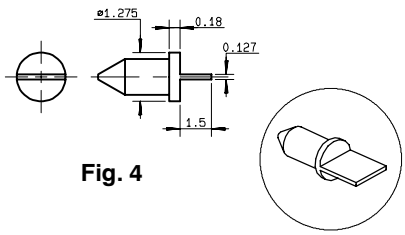


Fig. 4

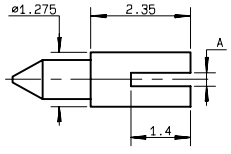
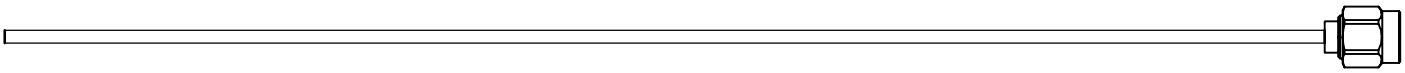


Fig. 5

Part number	Fig.	Packaging
R280 458 030	1	10
R280 464 000	2	
R280 465 000	3	
R280 465 020	4	

Part number	Fig.	A	Packaging
R280 466 020	5	0,71	10
R280 466 030		0,46	
R280 466 040		0,33	

ADDITIONAL CONNECTORS



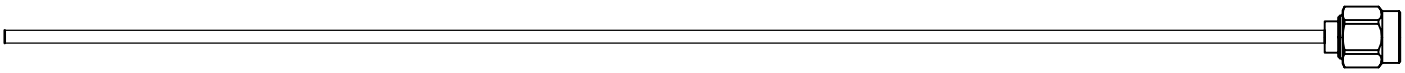
For more information regarding these connectors, please consult us.

27 GHz CONNECTORS

P / N	Description	Finish
R125 052 700	straight plug solder type for .085" cable	Gold
R125 052 702	straight plug solder type for .085" cable	Gold / passivated - coupling nut
R125 055 700	straight plug solder type for .141" cable	Gold
R125 055 702	straight plug solder type for .141" cable	Gold / passivated - coupling nut
R125 222 700	straight jack solder type for .085" cable	Gold
R125 225 700	straight jack solder type for .141" cable	Gold
R125 325 700	bulkhead jack solder type for .141" cable	Gold
R125 326 700	bulkhead jack solder type for .085" cable	Gold
R125 441 000	straight male square flange receptacle (extended dielectric)	Gold
R125 441 001	straight male square flange receptacle (extended dielectric)	Passivated
R125 703 700	male male in-series adapter	Gold
R125 703 700	male male in-series adapter	Passivated
R125 704 700	male female in-series adapter	Gold
R125 704 701	male female in-series adapter	Passivated
R125 705 700	female female in-series adapter	Gold
R125 705 701	female female in-series adapter	Passivated

CRIMP TYPE CONNECTORS FOR SEMI RIGID CABLES *(see our catalog **D1 125 TE**)*

P / N	Description	Finish
R125 052 900	straight plug crimp type for .085" cable (with retractable coupling nut)	Gold
R125 052 901	straight plug crimp type for .085" cable (with retractable coupling nut)	Passivated
R125 053 900	straight plug crimp type for .141" cable (without center contact & insulator, with retractable coupling nut)	Gold
R125 053 901	straight plug crimp type for .141" cable (without center contact & insulator, with retractable coupling nut)	Passivated
R125 054 900	straight plug crimp type for .141" cable (without center contact & insulator)	Gold
R125 054 901	straight plug crimp type for .141" cable (without center contact & insulator)	Passivated
R125 055 900	straight plug crimp type for .141" cable (with retractable coupling nut)	Gold
R125 055 901	straight plug crimp type for .141" cable (with retractable coupling nut)	Passivated
R125 055 910	straight plug crimp type for .141" cable	Gold
R125 055 911	straight plug crimp type for .141" cable	Passivated
R125 055 940	straight plug crimp type for .141" cable (with center contact) (short length)	Gold
R125 055 941	straight plug crimp type for .141" cable (with center contact) (short length)	Passivated
R125 153 900	right angle plug crimp type for .085" cable	Gold
R125 153 901	right angle plug crimp type for .085" cable	Passivated
R125 154 900	right angle plug crimp type for .141" cable	Gold
R125 154 901	right angle plug crimp type for .141" cable	Passivated
R125 222 900	straight jack crimp type for .085" cable	Gold
R125 222 901	straight jack crimp type for .085" cable	Passivated
R125 225 900	straight jack crimp type for .141" cable	Gold
R125 225 901	straight jack crimp type for .141" cable	Passivated
R125 255 900	straight square flange jack crimp type for .141" cable	Gold
R125 255 901	straight square flange jack crimp type for .141" cable	Passivated
R125 256 900	straight square flange jack crimp type for .085" cable	Gold
R125 256 901	straight square flange jack crimp type for .085" cable	Passivated
R125 325 900	bulkhead jack crimp type for .141" cable	Gold
R125 325 901	bulkhead jack crimp type for .141" cable	Passivated
R125 326 900	bulkhead jack crimp type for .085" cable	Gold
R125 326 901	bulkhead jack crimp type for .085" cable	Passivated



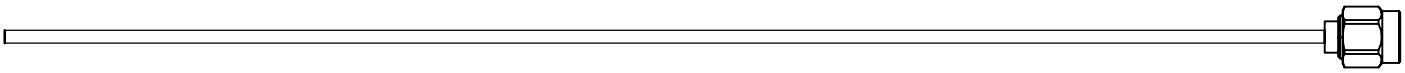
BETWEEN SERIES ADAPTERS

	SMA male	**SMA** female	**SMA** female bulkhead
MC CARD plug **MC CARD** jack		**R191 366 071●** **R191 366 091●**	
MMS plug **MMS** jack	**R191 975 761** **R191 975 771**	**R191 975 781** **R191 975 791**	
MMT plug with female center contact	**R191 392 027**	**R191 394 027**	
SSMB M plug **SSMB** jack	**R191 376 000** **R191 374 000**		
SSMA jack **SSMA** plug **SSMA** bulkhead plug	**R191 347 000**	**R191 349 000** **R191 362 001●** **R191 362 121●**	
SBMA jack **SBMA** narrow flange jack		**R191 363 001●** **R191 363 451●**	
MCX plug **MCX** jack	**R191 385 000** **R191 386 000**	**R191 387 000** **R191 388 000**	**R191 387 170●**
BMA plug **BMA** bulkhead plug **BMA** jack **BMA** floating jack **BMA** floating flange jack	**R191 350 001** **R191 354 001** **R191 351 001**	**R191 352 001** **R191 355 001** **R191 353 001** **R191 353 301●** **R191 353 401●**	**R191 353 227●**
BNC plug **BNC** jack	**R191 301 000** **R191 303 000**	**R191 305 000** **R191 304 360●***	
TNC plug **TNC** jack **TNC** flange jack **TNC** precision jack	**R191 309 000** **R191 311 000**	**R191 313 000** **R191 315 000** **R191 365 000**	**R191 314 700**
N plug **N** jack **N** flange jack **N** bulkhead panel sealed jack **N** bulkhead panel + inner sealed jack	**R191 325 000** **R191 327 000** **R191 377 000**	**R191 329 000** **R191 331 000** **R191 381 000**	**R191 332 000** **R191 334 000**
C floating plug **C** flange jack		**R191 338 000●** **R191 342 000●**	
HN flange jack		**R191 359 000●**	
PC 7	**R191 009 000**	**R191 011 000**	

For more details, see our detailed catalog **"BETWEEN SERIES COAXIAL ADAPTERS" D1 191 CE**

● upon request

* standard packaging – unit packaging : 100 pieces



LOW POWER TERMINATIONS *(page 34)*

Average power (W)	Frequency range	Male	Female
1	DC – 2.5 GHz	**R404 101 000** **R404 101 120***	
2	DC – 18 GHz	**R404 210 000** **R404 210 120**	
	DC – 26.5 GHz	**R404 213 000**	**R404 219 000**

** with 70 mm bead chain*

MEDIUM POWER TERMINATIONS *(page 34)*

Average power (W)	Frequency range	Male	Female
30	DC – 4 GHz	**R404 834 000**	**R404 835 000**
50		**R404 844 000**	**R404 845 000**
100		**R404 854 000**	**R404 855 000**

LOW POWER ATTENUATORS *(page 35)*

Attenuation (dB)	Frequency range (GHz)		
	DC – 4	DC – 12.4	DC – 18
3	**R413 803 115**	**R413 803 117**	**R413 803 000**
6	**R413 806 115**	**R413 806 117**	**R413 806 000**
10	**R413 810 115**	**R413 810 117**	**R413 810 000**
20	**R413 820 115** **R413 820 116**	**R413 820 117** **R413 820 118**	**R413 820 000** **R413 820 841**
25			**R413 825 000**
30	**R413 830 115**	**R413 830 117**	**R413 830 000**
35			**R413 835 000**
40	**R413 840 115**	**R413 840 117**	**R413 840 000**
45			**R413 845 000**
50	**R413 850 115**	**R413 850 117**	**R413 850 000**
55			**R413 855 000**
60	**R413 860 115**	**R413 860 117**	**R413 860 000**

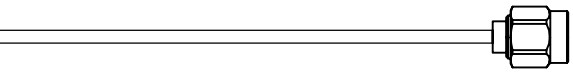
MEDIUM POWER ATTENUATORS *(page 36)*

Frequency range : DC – 2 GHz

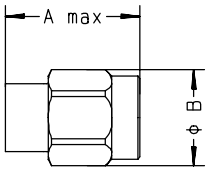
Attenuation (dB)	Average power (W)	
	80	100
3		**R417 803 118**
6		**R417 806 118**
10	**R417 810 118**	
20	**R417 820 118**	

Frequency range : DC – 3 GHz

Attenuation (dB)	Average power (50 W)
3	**R417 103 110**
6	**R417 106 110**
10	**R417 110 110**
20	**R417 120 110**
30	**R417 130 110**



LOW POWER 1 to 2 W CW, 100 W peak



* with 70 mm Bead Chain

Part Number	Frequency range (GHz)	V.S.W.R. (MAX)							Average-power (W)	Type	Dimensions (mm)		Weight (g)
		DC-1	1-2.5	2.5-4	4-8	8-12.4	12.4-18	18-26.5			A	B	
R404 101 000	DC-2.5	1,08	1,20						1	M	9.30	9	3
R404 101 120*											12.5		8
R404 210 000	DC-18	1,10			1,18	1,25			2	M	13		3
R404 210 120											14.3		8
R404 213 000	DC-26.5	1,05			1,10		1,20	1,30	2	M	16.5		5
R404 219 000					1,15					F	15.0	7.6	5

MEDIUM POWER 30 to 100 W CW, 5 KW peak

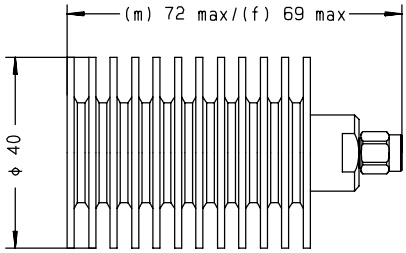


Fig. 1

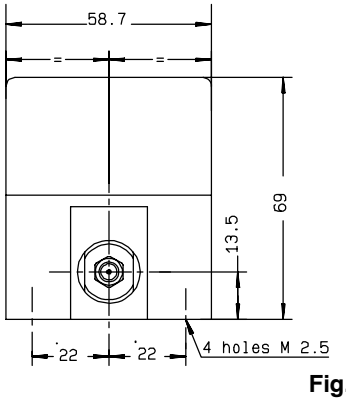
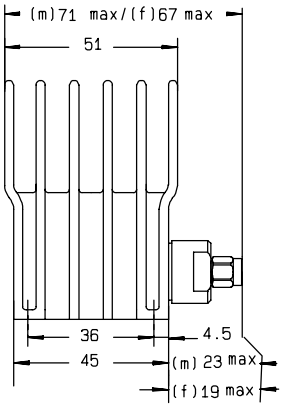
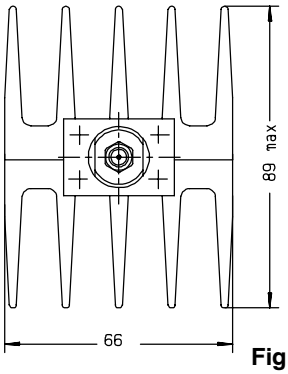


Fig. 2





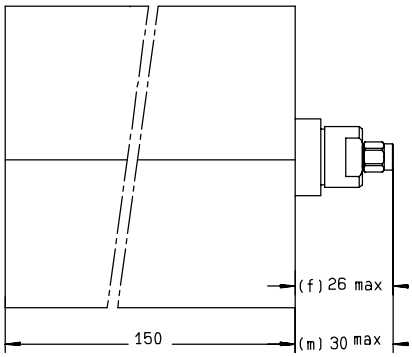
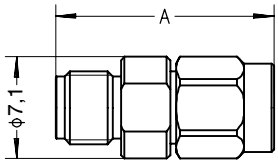


Fig. 3

Part Number	Fig.	Frequency range (GHz)	V.S.W.R. (MAX)			Average-power (W)	Type	Weight (g)
			DC-1	1-2	2-4			
R404 834 000 **R404 835 000**	1	DC-4	1,10		1,20	30	M F	125
R404 844 000 **R404 845 000**	2	DC-4	1,10		1,20	50	M F	320
R404 854 000 **R404 855 000**	3	DC-4	1,10	1,20	1,30	100	M F	1050

LOW POWER 2W CW, 100 W peak

All these attenuators are available from 0 to 20 dB with 1 dB STEP

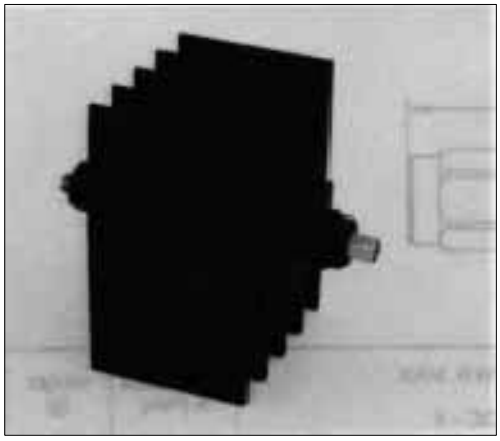


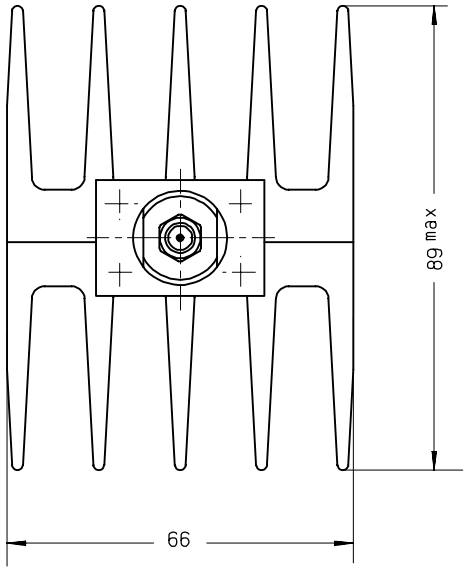
Part Number	Frequency range (GHz)	ATTENUATION (dB) Nom.	ATTENUATION (dB) DEVIATION (dB) DC - 4	V.S.W.R. MAX DC - 4	Dimensions A (mm)	Weight (g)
R413 803 115	DC - 4 GHz	3	+/-0.3	1,15	21.8	5
R413 806 115		6				
R413 810 115		10	+/-0.5			
R413 820 115		20	+/-0.6			
R413 820 116					25.9	7
R413 830 115		30	+/-1.0		29	10
R413 840 115		40				
R413 850 115		50	+/-2.0			
R413 860 115		60				

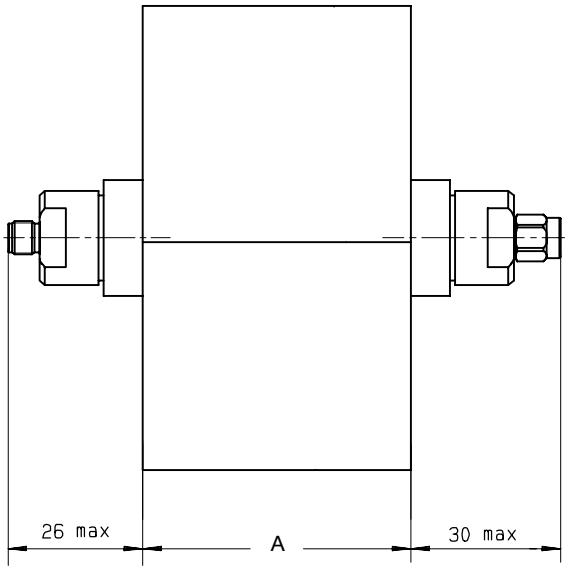
Part Number	Frequency range (GHz)	ATTENUATION (dB) Nom.	ATTENUATION (dB) DEVIATION (dB) DC-12.4	V.S.W.R. MAX DC - 4	V.S.W.R. MAX 4 - 12.4	Dimensions A (mm)	Weight (g)
R413 803 117	DC - 12.4	3	+/-0.3	1,15	1,25	21.8	5
R413 806 117		6					
R413 810 117		10	+/-0.5				
R413 820 117		20	+/-0.6				
R413 820 118						25.9	7
R413 830 117		30	+/-1.0			29	10
R413 840 117		40					
R413 850 117		50	+/-2.0				
R413 860 117		60					

Part Number	Frequency range (GHz)	ATTENUATION (dB) Nom.	ATTENUATION (dB) DEVIATION (dB) DC-18	V.S.W.R. MAX DC-2	2-4	4-8	8-12.4	12.4-18	Dimensions A (mm)	Weight (g)
R413 803 000	DC - 18	3	+/-0.3	1,10	1,15	1,20	1,25	1,35	21.8	5
R413 806 000		6								
R413 810 000		10	+/-0.5							
R413 820 000		20	+/-0.6							
R413 820 841									25.9	7
R413 825 000		25	+/-1.0	1,15					29	10
R413 830 000		30								
R413 835 000		35								
R413 840 000		40								
R413 845 000		45								
R413 850 000		50	+/-2.0							
R413 855 000		55								
R413 860 000		60						1,50		

MEDIUM POWER 50 to 100 W CW, 5 KW PEAK







Part Number	Frequency range (GHz)	ATTENUATION (dB)				V.S.W.R. MAX			Average power (W)	Dimensions A(mm)	Weight (Max) (g)
		Nom.	DEVIATION(dB)								
			DC - 1	1 - 2	2 - 3	DC - 1	1 - 2	2 - 3			
R417 103 110	DC-3	3	+/-0.7			1,10	1,25	1,35	50	51	430
R417 106 110		6									
R417 110 110		10									
R417 120 110		20	+/-2.0								
R417 130 110		30									
R417 803 118	DC-2	3	+/-1.0						100	102	1050
R417 806 118		6									
R417 810 118		10							80		
R417 820 118		20									

Joule effect soldering device

Compliant with European standards n° 89/336/CEE and 73/23/CEE (electromagnetic compatibility and low voltage)

It allows to solder :

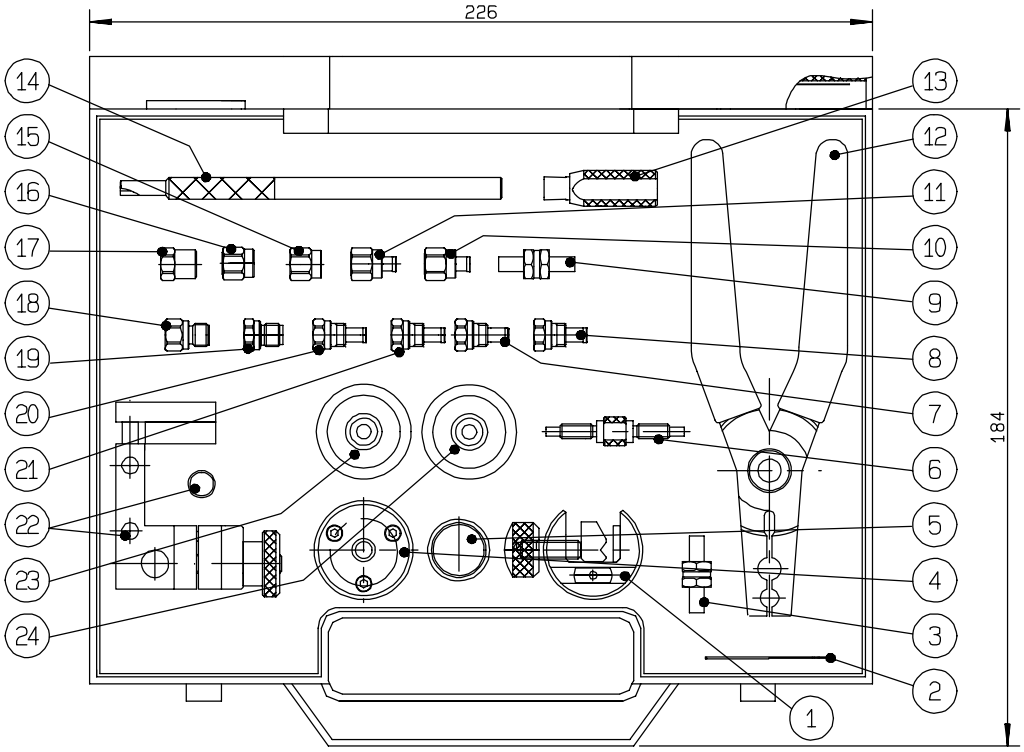
- center contacts and bodies to semi-rigid cables,
- center contacts to flexible cables
- solder pot receptacles.

P/N of the soldering device : **R282 800 000** (80 W-shown above)
R282 800 001 (250 W).
Please ask for our leaflet about Joule effect soldering device **D1 035 DE**.

Radiall recommends to always carry out soldering operations in well ventilated areas and to make use of fume extraction equipment.
Our fume extraction device complies also with European standards n° 89/336/CEE , 89/392/CEE and 73/23/CEE.
Its flow is adjustable up to 240 m^3 /h and it uses active coal filter.
P/N of the fume extraction device : **R282 803 000**.

Fume extraction device

SMA SOLDER KIT FOR SEMI-RIGID CABLES *(Suitable for commercial and standard SMA)*

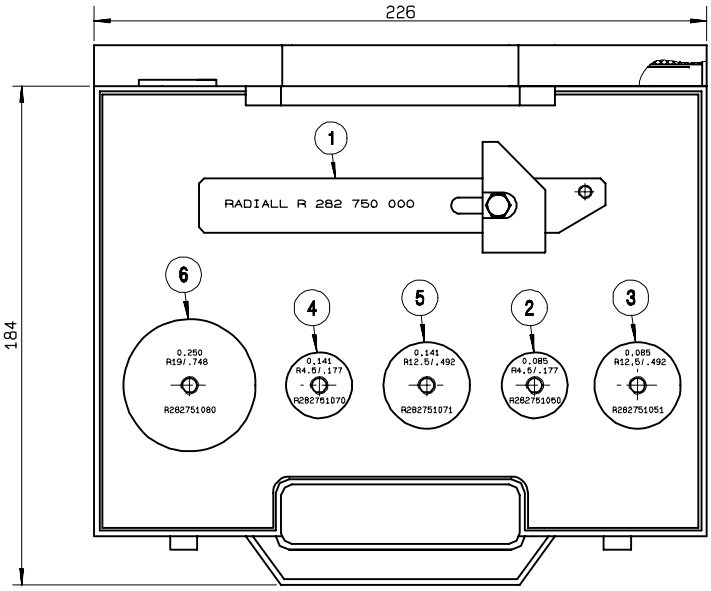


PART NUMBER LIST **R282 120 010**

N°	Reference	Mark	Designation
1 -	R282 059 100		Cable holder
2 -	R282 862 060		Solder gauge (cab .085:mark 61,cab .141:mark 62)
3 -	R282 744 200	(84)	Soldering positioner for right angle SMA
4 -	R282 053 100		Stripping tool
5 -	R282 066 100		Trimmer
6 -	R282 744 220		Soldering positioner for center contact
7 -	R282 744 060	(85)	Soldering positioner for male SMA cable .085
8 -	R282 744 062	(78)	Soldering positioner for male SMA B cable .085
9 -	R282 744 201	(88)	Soldering positioner for right angle SMA B
10-	R282 744 010	(80)	Soldering positioner for female cable .085
11-	R282 744 011	(86)	Soldering positioner for female cable .141
12-	R282 200 000		Retaining ring pliers
13-	R282 760 000		Retaining ring insert tool
14-	R282 915 010		Dielectric recess tool
15-	R282 914 010	(92)	Dielectric recess gauge for female
16-	R282 857 010	(81)	Control gauge for female
17-	R282 744 100	(82)	Soldering positioner for male
18-	R282 857 000	(83)	Control gauge for male
19-	R282 914 000	(93)	Dielectric recess gauge for male
20-	R282 744 063	(77)	Soldering positioner for male SMA B cable .141
21-	R282 744 061	(87)	Soldering positioner for male SMA cable .141
22-	R282 740 000		Soldering assembly jig
23-	R282 730 040		Dielectric insert tool + diele. plunger for female
24-	R282 730 043		Dielectric insert tool + dielect. plunger for male

Inside the box, every part number can be ordered separately.

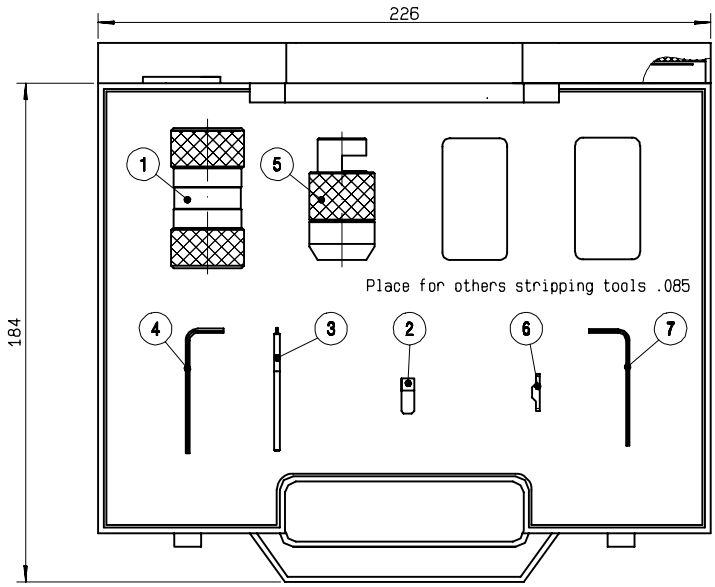
BENDING KIT FOR SEMI-RIGID CABLES .085" / .141" / .250"



		PART NUMBER	**R282 102 000**
1	-	R282 750 000	Bending tool
2	-	R282 751 050	Bending gauge .085
3	-	R282 751 051	Bending gauge .085
4	-	R282 751 070	Bending gauge .141
5	-	R282 751 071	Bending gauge .141
6	-	R282 751 080	Bending gauge .250

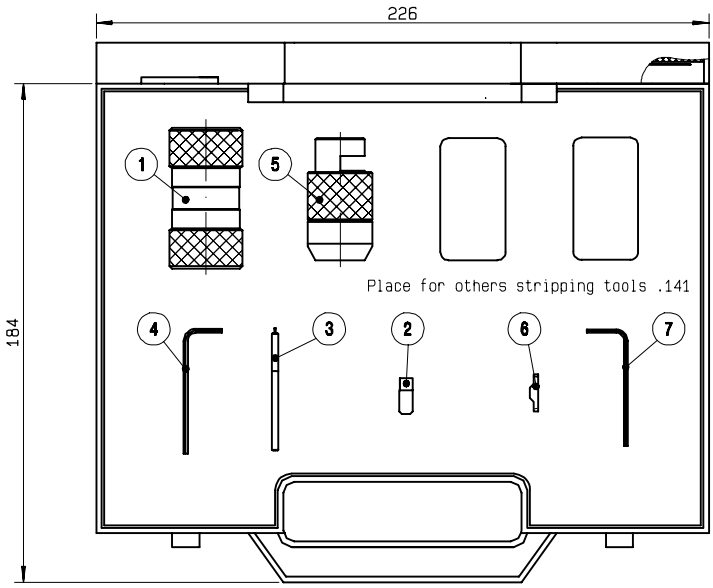
Inside the box, every part number can be ordered separately.

STRIPPING (3.17mm) + CONING KIT FOR SEMI-RIGID CABLE .085”



PART NUMBER	R282 114 125
1 - R282 051 000	Stripping tool .085
2 - R282 055 000	Replacement stripping blade
3 - R282 864 110	Blade installation gauge .085
4 - R282 344 150	1.5 mm across flats male hex key
5 - R282 063 000	Coning and length-setting tool 3.17 long on .085
6 - R282 056 085	Replacement coning blade
7 - R282 344 127	1.27 mm across flats male hex key

STRIPPING + CONING KIT FOR SEMI-RIGID CABLE .141”



2.16 mm stripping length

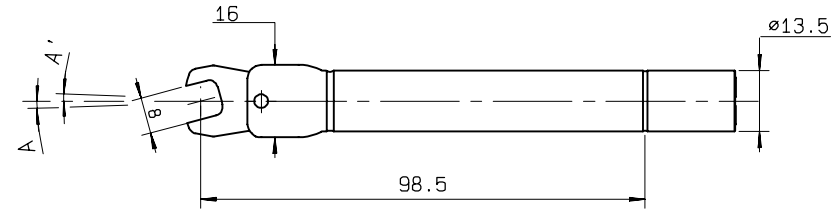
PART NUMBER	R282 114 162
1 - R282 053 000	Stripping tool .141
2 - R282 055 000	Replacement stripping blade
3 - R282 864 120	Blade installation gauge .141
4 - R282 344 150	1.5 mm across flats male hex key
5 - R282 066 000	Coning and length-setting tool 2.16 long on .141
6 - R282 056 118	Replacement coning blade
7 - R282 344 127	1.27 mm across flats male hex key

3.17 mm stripping length

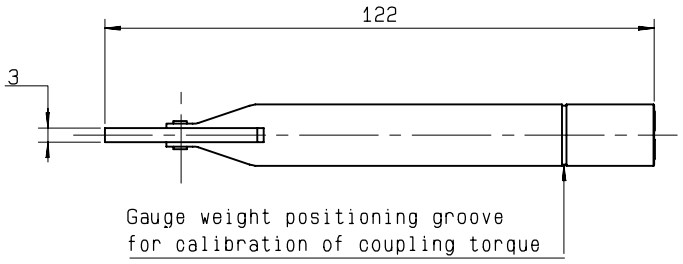
PART NUMBER	R282 114 165
1 - R282 053 000	Stripping tool .141
2 - R282 055 000	Replacement stripping blade
3 - R282 864 120	Blade installation gauge .141
4 - R282 344 150	1.5 mm across flats male hex key
5 - R282 067 000	Coning and length-setting tool 3.17 long on .141
6 - R282 056 118	Replacement coning blade
7 - R282 344 127	1.27 mm across flats male hex key

Inside the box, every part number can be ordered separately.

TORQUE WRENCH 8 mm 80 - 120 Ncm R282 320 000



A A' angular sweep approximately 2°



RADIALL CRIMP TOOLS (DIES INCLUDED)

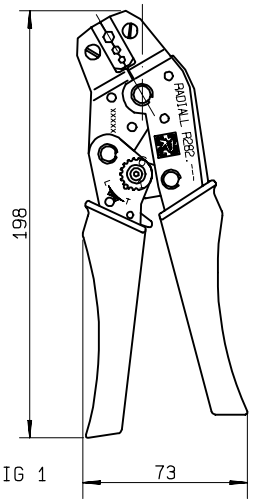


FIG 1

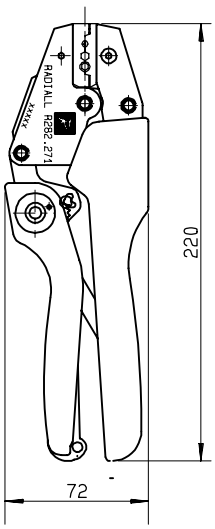
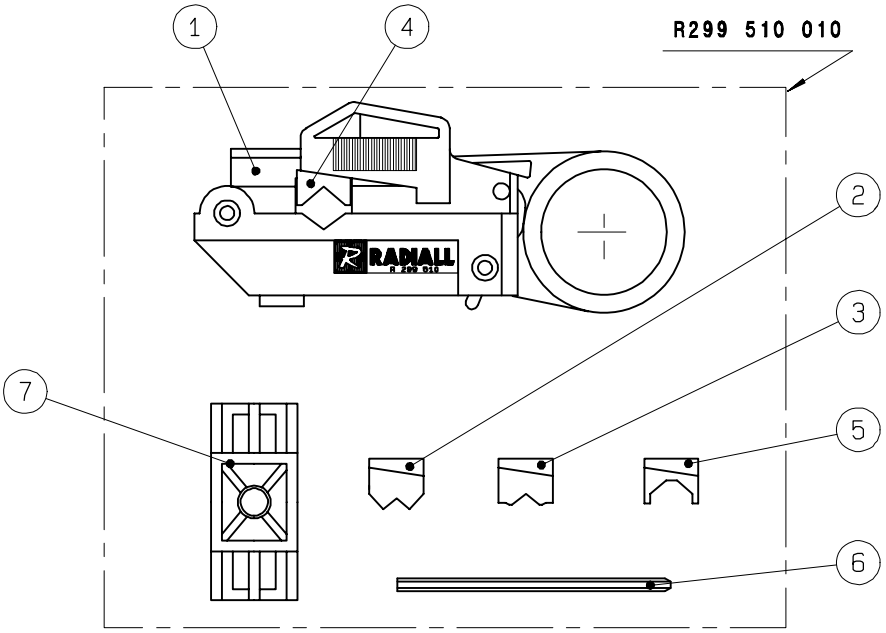


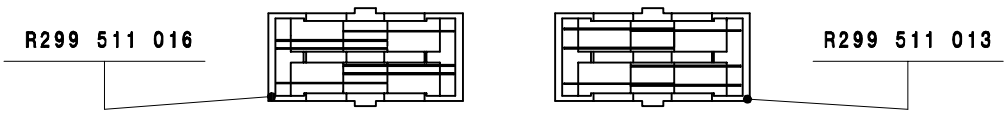
FIG 2

PART NUMBER	FIG.	CABLE GROUP	COLOR OF HANDLES			
R282 211 000	1	2/50 S - 2.6/50 S	RED	4.52 (0.178)	3.25 (0.128)	2.67 (0.105)
R282 223 000	1	5/50 S - 5/50 D	ORANGE	6.48 (0.255)	5.41 (0.213)	1.73 (0.068)
R282 271 000	2	2.6/50 S - 2.6/50 D	BLACK	3.84 (0.131)	3.25 (0.128)	0.72* (0.028)

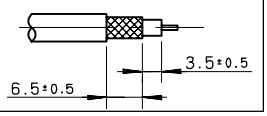
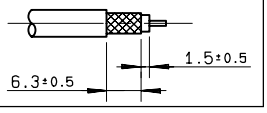
* Square crimping print.

STRIPPING KIT FOR FLEXIBLE CABLES





STRIPPING TOOL **R299 510 010**	1 - Stripping tool 2 - White V guide for ϕext. cable 2.5 a 3 mm 3 - Red V guide for ϕext. cable 3 a 5 mm 4 - Blue V guide for ϕext. cable 5 a 6.4 mm 5 - Yellow V guide for ϕext. cable 6.4 a 7.6 mm 6 - Wrench 7 - Gauge

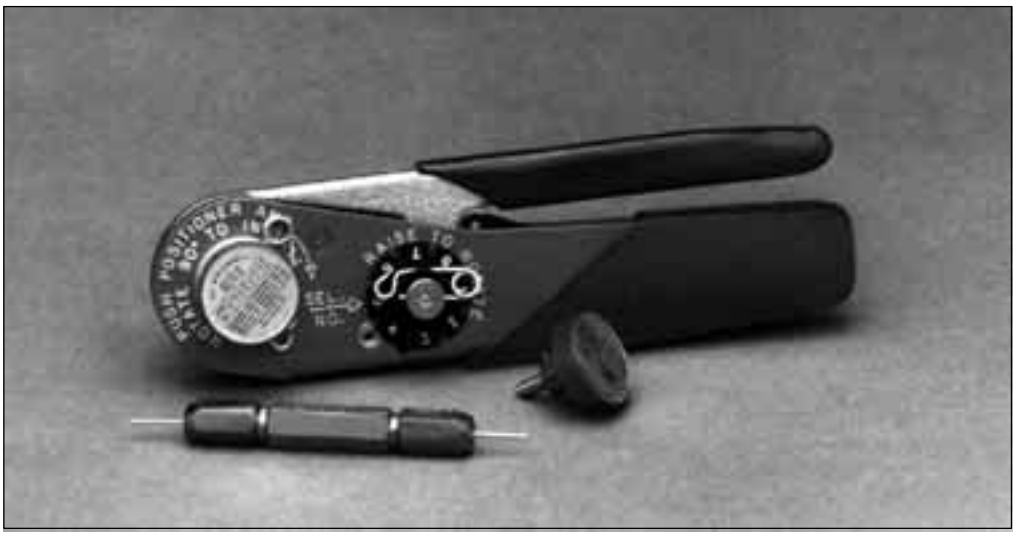
R299 511 013	BLUE STRIPPING CASSETTE 6.5 / 3.5	
R299 511 016	WHITE STRIPPING CASSETTE 6.3 / 1.5	

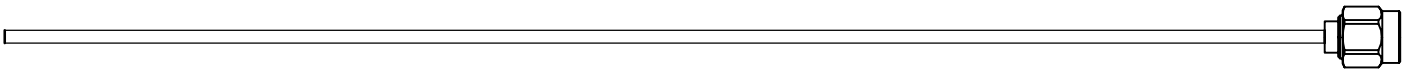
MIL CRIMP TOOL (M22520/5-01) R282 293 000 (DIES NOT INCLUDED)

DIES

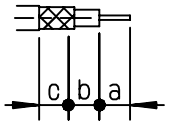
Part number	Cable group	⬡	⬡
R282 235 003	2.6/50 S	3.25 (.128)	2.67 (.105)
R282 235 011	5/50 S – 5/50 D	5.41 (.213)	1.73 (.068)
R282 235 013	6/75 S	6.48 (.255)	1.73 (.068)

CRIMP TOOL R282 281 000 and POSITIONER R282 967 012





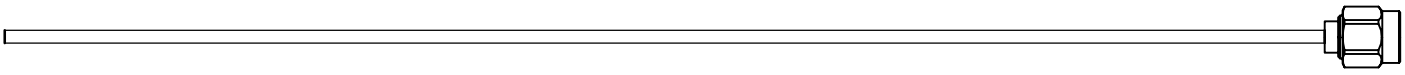
MATCHING P/N WITH CRIMP TOOLS



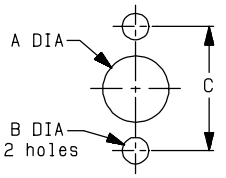
P/N	Assembly	Stripping dimensions			Center contact	Ferrule *	
		a	b	c	Crimp tool R 282 281 000 + Positioner R 282 967 012	Standard crimp tools P/N	MIL Crimp tool R 282 293 000 + Dies P/N
R125 069 000 R125 069 001	M04	3,5	3	7	-	R 282 211 000	R 282 235 003
R125 071 120 R125 071 121	M05	3	1,5	6,3	Selection N° 7	R 282 271 000	
R125 072 000 R125 072 001	M02	2	1,5	6	-	R 282 211 000	
R125 072 080 R125 072 081			0	7		R 282 271 000	R 282 235 037
R125 072 220 R125 072 221	M05	3	1,5	6,3	Selection N° 5	R 282 271 000	
R125 073 000 R125 073 001	M04	3,5	3	7	-	R 282 211 000	R 282 235 003
R125 075 000 R125 075 001	M02					R 282 223 000	R 282 235 011
R125 075 320 R125 075 321	M05	3	1,5	6,3	Selection N° 7		
R125 076 000 R125 076 001	M02	3,5	3	7	-		
R125 076 120 R125 076 121	M05	3	1,5	6,3	Selection N° 7		
R125 076 201	M02	2		6	-		
R125 170 402 R125 172 000 R125 172 001	M11	2,8	3	7		R 282 211 000	R 282 235 003
R125 174 000		3	4	6		R 282 271 000	R 282 235 037
R125 174 011		2,8	3	7			
R125 175 000 R125 175 001 R125 176 000 R125 176 001						R 282 223 000	R 282 235 011
R125 272 000 R125 272 001	M06	2,85	11	7		R 282 211 000	R 282 235 003
R125 277 000 R125 277 001 R125 278 000 R125 278 001						R 282 223 000	R 282 235 011
R125 312 120 R125 312 121	M05	3	1,5	6,3	Selection N° 5	R 282 271 000	R 282 235 003
R125 313 120 R125 313 121							R 282 235 037
R125 314 120 R125 314 121 R125 315 120 R125 315 121					Selection N° 7	R 282 223 000	R 282 235 011
R125 322 030	M02	3,3	1,6	6	-	R 282 271 000	R 282 235 037

* To crimp the ferrule you can choose :
- either one standard Crimp tool with included dies
- or the MIL crimp tool and its separated dies

PANEL CUT OUT

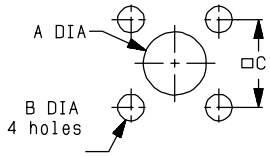


P01



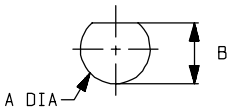
	MM		INCH	
	maxi	mini	maxi	mini
A	4.2	4.1	0.165	0.161
B	2.7	2.6	0.106	0.102
C	12.25	12.15	0.482	0.478

P02



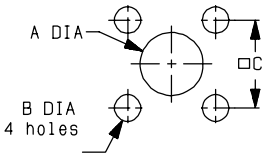
	MM		INCH	
	maxi	mini	maxi	mini
A	4.2	4.1	0.165	0.161
B	1.9	1.8	0.071	0.067
C	6.4	6.3	0.252	0.248

P03



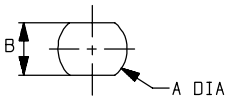
	MM		INCH	
	maxi	mini	maxi	mini
A	6.5	6.4	0.256	0.252
B	6.14	6	0.242	0.236

P04



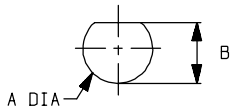
	MM		INCH	
	maxi	mini	maxi	mini
A	4.2	4.1	0.165	0.161
B	2.7	2.6	0.106	0.102
C	8.69	8.59	0.342	0.338

P05



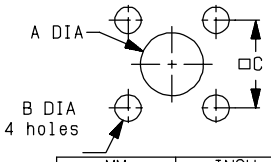
	MM		INCH	
	maxi	mini	maxi	mini
A	5.55	5.45	0.219	0.215
B	6.4	6.3	0.252	0.248

P07



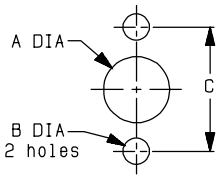
	MM		INCH	
	maxi	mini	maxi	mini
A	5	4.9	0.197	0.193
B	4.4	4.3	0.173	0.169

P08



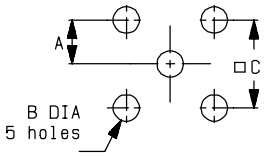
	MM		INCH	
	maxi	mini	maxi	mini
A	6.2	6.1	0.244	0.24
B	2.7	2.6	0.106	0.102
C	8.69	8.59	0.342	0.338

P09



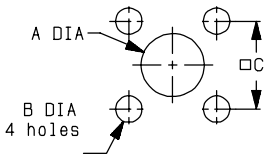
	MM		INCH	
	maxi	mini	maxi	mini
A	6.6	6.5	0.26	0.256
B	2.7	2.6	0.106	0.102
C	12.25	12.15	0.482	0.478

P10



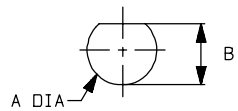
	MM		INCH	
	maxi	mini	maxi	mini
A	2.59	2.49	0.102	0.098
B	1.7	1.6	0.067	0.063
C	5.13	5.03	0.202	0.198

P11



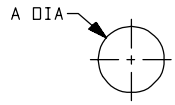
	MM		INCH	
	maxi	mini	maxi	mini
A	6.6	6.5	0.26	0.256
B	2.7	2.6	0.106	0.102
C	8.69	8.59	0.342	0.338

P12



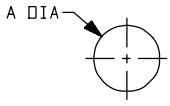
	MM		INCH	
	maxi	mini	maxi	mini
A	8.1	8	0.319	0.315
B	7.6	7.5	0.299	0.295

P16



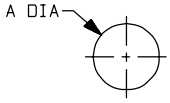
	MM		INCH	
	maxi	mini	maxi	mini
A	5.27	5.23	0.207	0.206

P17



	MM		INCH	
	maxi	mini	maxi	mini
A	5.2	5.16	0.205	0.203

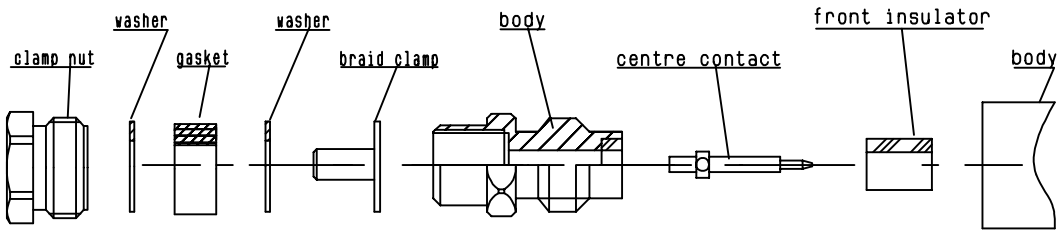
P18



	MM		INCH	
	maxi	mini	maxi	mini
A	5.45	5.41	0.215	0.213

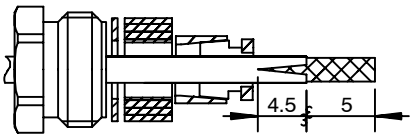
ASSEMBLY INSTRUCTIONS

M 01



P/N	Recommended coupling torque
R125 091 000 **R125 091 001**	100 N.cm

1

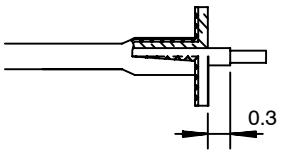


1.1 Slide the clamp nut the 1st washer, the gasket, and the 2nd washer onto the cable.

1.2 Strip the cable.

1.2 Cut the jacket (2 slots).

2

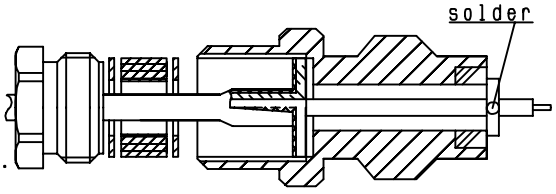


2.1 Slide the braid clamp sleeve under the braid.

2.2 Cut the braid flush with the clamp braid sleeve.

2.3 Strip the dielectric as shown.

3



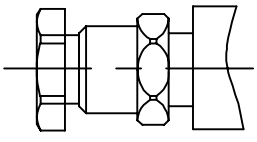
3.1 Screw the sub-assembly into the connector rear body (coupling torque 30N.cm)

3.2 Slide the centre contact over centre conductor until it bottoms against insulator

3.3 Solder the centre contact.

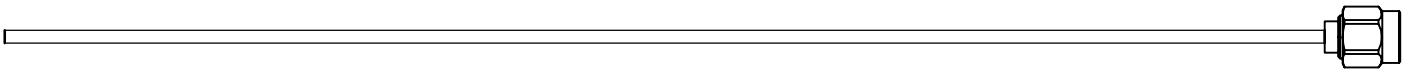
3.4 Mount the front insulator.

4

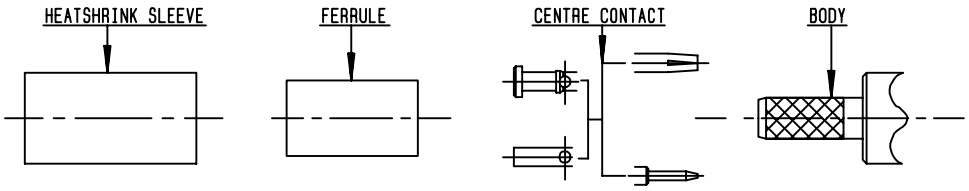


4.1 Screw the sub-assembly into the connector body.

ASSEMBLY INSTRUCTIONS

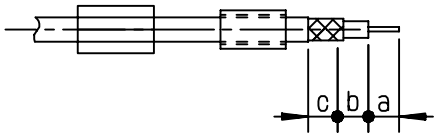


M 02



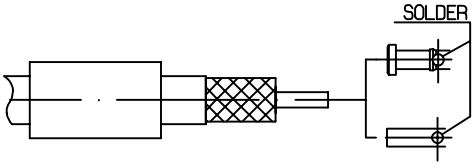
P/N	Stripping length a	Stripping length b	Stripping length c	Hex. dim. H	Ferrule: Standard crimp tools dies included	Ferrule: MIL standard R282 293 000 (M22520/5-01)+dies
R125 072 000 **R125 072 001**	2	1.5	6	3.25	R282 211 000	R282 235 003 (M22520/5-03)
R125 072 080 **R125 072 081**	2	0	7	3.84	R282 271 000	R282 235 037 (M22520/5-37)
R125 075 000 **R125 075 001** **R125 076 000** **R125 076 001**	3.5	3	7	5.4	R282 223 000	R282 235 011 (M22520/5-11)
R125 076 201	2	1.5	6	5.4	R282 223 000	R282 235 011 (M22520/5-11)
R125 322 030	3.3	1.6	6	3.84	R282 271 000	R282 235 037 (M22520/5-37)

1



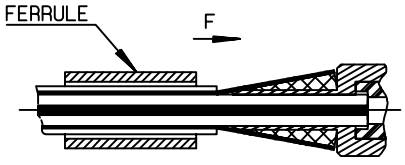
1.1 Slide onto the cable the ferrule and the heatshrink sleeve .
1.2 Strip the cable .

2



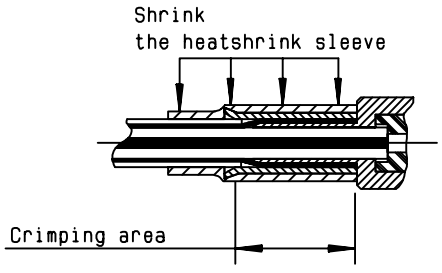
2.1 Slide on centre contact until it bottoms against cable dielectrique
2.2 Solder center contact
2.3 Clean soldering area .

3



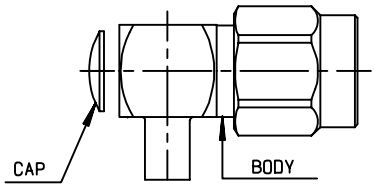
3.1 Fan the braid .
3.2 Slide the cable into the body until it bottoms against insulator .
3.2 Slide the ferrule over the braid . (In direction F)

4



4.1 Crimp the ferrule.
4.2 Cut the excess of braid .
4.3 Slide sleeve over ferrule and heatshrink in place .

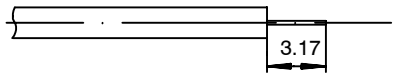
M 03



We recommend a cable thermal preconditioning before assembly.

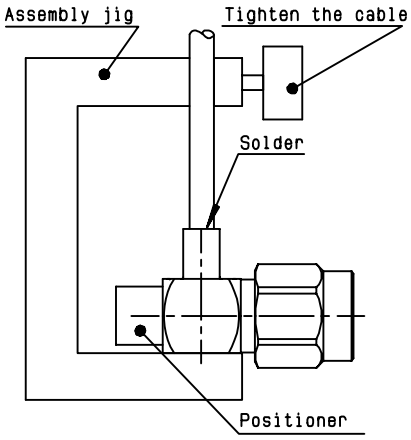
P/N	Stripping tool	Positioner	Assembly jig
R125 153 000 **R125 153 002**	R282 051 000	R282 744 200	R282 740 000
R125 154 000 **R125 154 002**	R282 053 000		

1



1.1 Strip the cable .

2

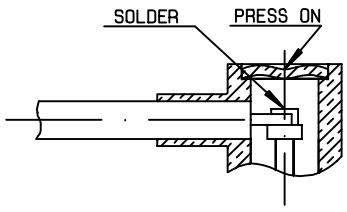


2.1 Introduce the cable into the connector body until it stops.

2.2 Place the sub assembly into the assembly jig with positioner and thighten it.

2.3 Solder the body onto the cable.
Let the assembly cool down before removing it from the jig .

3



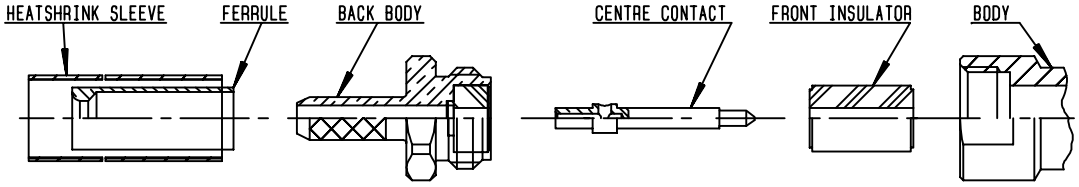
3.1 Solder the inner conductor.

3.2 Put the cap in its place.

3.3 Press cap flush or slightly below surface of body assembly.

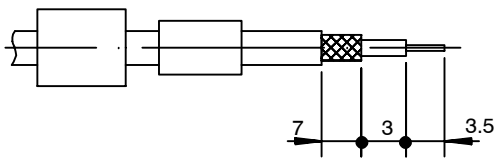
ASSEMBLY INSTRUCTIONS

M 04



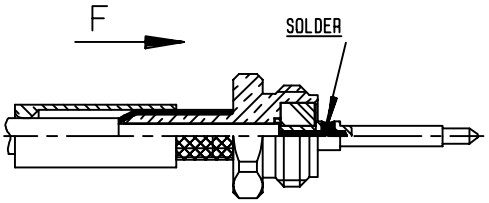
P/N	Hex. dim. H	Ferrule		Recommended coupling torque
		Standard crimp tools dies included	MIL standard R282 293 000 (M22520/5-01)+dies	
R125 069 000 **R125 069 001**	2.7	R282 211 000	R282 235 003 (M22520/5-03)	80-120N.cm
R125 073 000 **R125 073 001**	3.25			80-115 N.cm

1



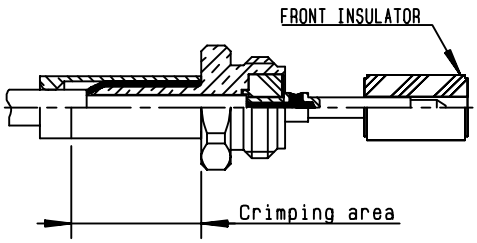
1.1 Slide the heatshrink sleeve and the ferrule onto the cable.
1.2 Strip the cable.

2



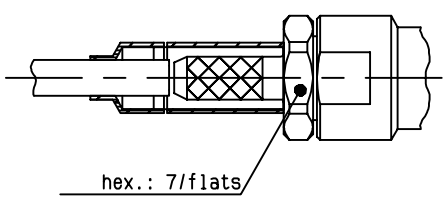
2.1 Fan the braid .
2.2 Slide the back body between dielectric and braid .
2.3 Slide on the centre contact until it bottoms against insulator .
2.4 Solder the centre contact
2.5 Slide the ferrule over the braid (in direction F)

3



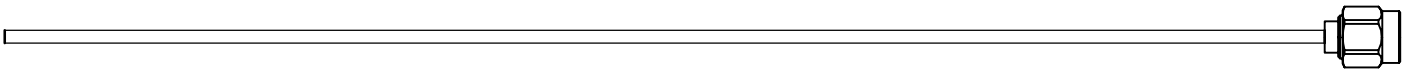
3.1 Crimp the ferrule.
3.2 Mount the front insulator.

4

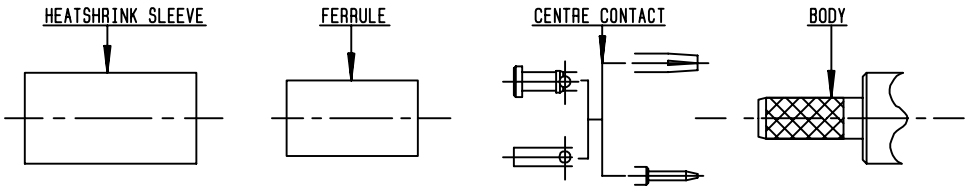


4.1 Screw the sub-assembly into the connector body.
4.2 Cut the excess of braid.
Slide sleeve over the ferrule and heatshrink in place.

ASSEMBLY INSTRUCTIONS

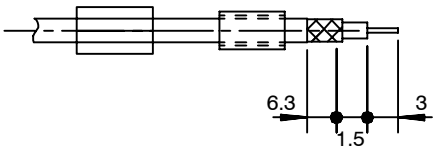


M 05



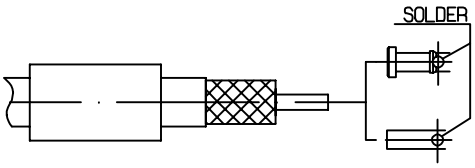
P/N	Hex. dim. H	Ferrule		Center contact
		Standard crimp tools dies included	MIL standard R282 293 000 (M22520/5-01)+dies	Crimp tool R282 281 000 +Positioner R282 967 012
R125 071 120 **R125 071 121**	3.25	R282 271 000	R282 235 003 (M22520/5-03)	Selection nº 7
R125 072 220 **R125 072 221**	3.84		R282 235 037 (M22520/5-37)	Selection nº 5
R125 075 320 **R125 075 321** **R125 076 120** **R125 076 121**	5.4	R282 223 000	R282 235 011 (M22520/5-11)	Selection nº 7
R125 312 120 **R125 312 121**	3.25	R282 271 000	R282 235 003 (M22520/5-03)	Selection nº 5
R125 313 120 **R125 313 121**	3.84		R282 235 037 (M22520/5-37)	
R125 314 120 **R125 314 121** **R125 315 120** **R125 315 121**	5.4	R282 223 000	R282 235 011 (M22520/5-11)	Selection nº 7

1



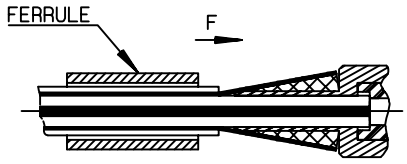
1.1 Slide onto the cable the ferrule and the heatshrink sleeve .
1.2 Strip the cable .

2



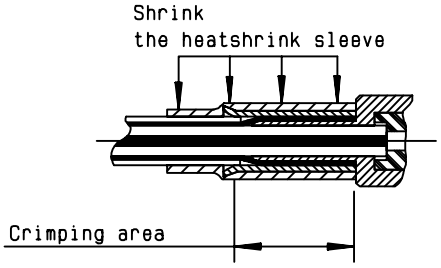
2.1 Slide on centre contact until it bottoms against cable dielectrique
2.2 Crimp or solder center contact
2.3 Clean soldering area .

3



3.1 Fan the braid .
3.2 Slide the cable into the body until it bottoms against insulator .
3.2 Slide the ferrule over the braid . (In direction F)

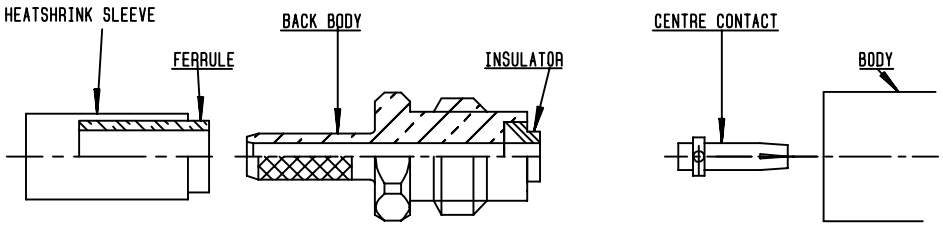
4



4.1 Crimp the ferrule.
4.2 Cut the excess of braid .
4.3 Slide sleeve over ferrule and heatshrink in place .

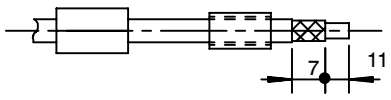
ASSEMBLY INSTRUCTIONS

M 06



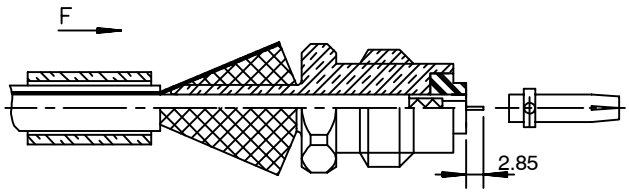
P/N	Hex. dim. H	Crimp tools		Recommended coupling torque
		Dies included	MIL standard R282 293 000 (M22520/5-01)+dies	
R125 272 000 **R125 272 001**	3.25	R282 211 000	R282 235 003 (M22520/5-03)	80-120 N.cm
R125 277 000 **R125 277 001** **R125 278 000** **R125 278 001**	5.4	R282 223 000	R282 235 011 (M22520/5-11)	

1



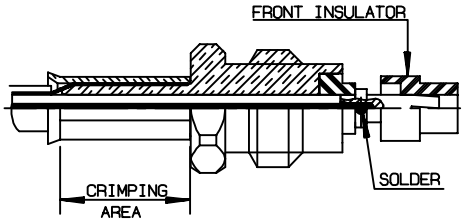
1.1 Slide onto the cable the ferrule and the heatshrink sleeve.
1.2 Strip the cable.

2



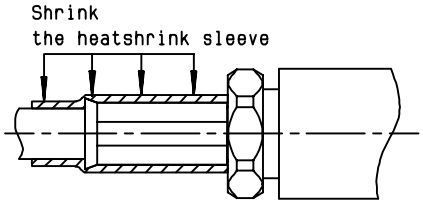
2.1 Fan the braid.
2.2 Slide the back body between dielectric and braid.
2.3 Slide ferrule over the braid (in direction F)

3



3.1 Crimp the ferrule.
3.2 Strip the cable, mount the insulator.
3.3 Mount and Solder the centre contact.

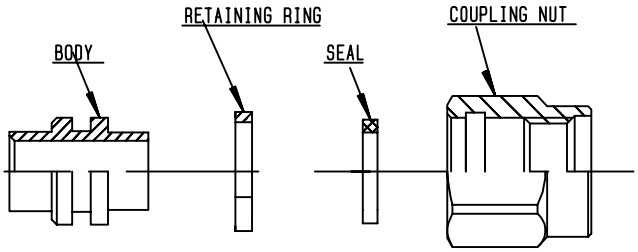
4



4.1 Screw sub-assembly into the connector body.
4.2 Slide sleeve over ferrule and heatshrink in place.

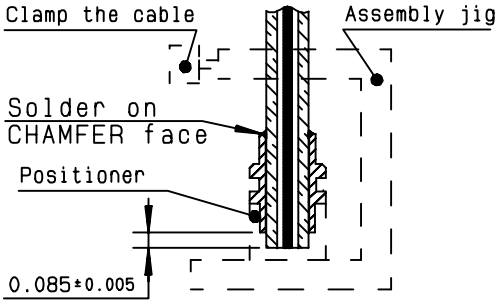
ASSEMBLY INSTRUCTIONS

M 09



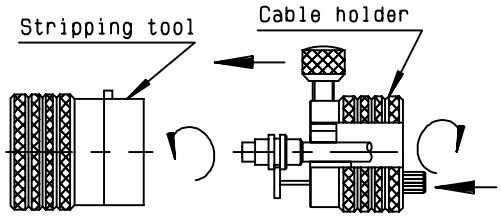
P/N	Stripping length a	Assembly jig	Positioner	Cable holder	Stripping tool	Trimmer	Retaining ring insert tool	Pliers
R125 054 000 **R125 054 002** **R125 054 500** **R125 054 502** **R125 057 000** **R125 057 002**	2.16	R282 740 000	R282 744 100	R282 059 100	R282 066 100	R282 053 100	R282 760 000	R282 200 000

1



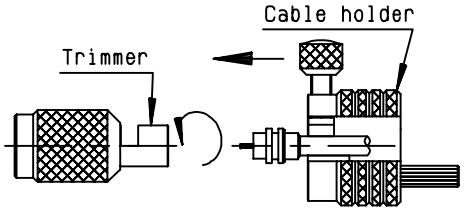
1.1 Place the cable into the assembly jig
1.2 Place the connector body and positioner onto the cable and clamp cable.
1.3 Put 3 rings of solder around the cable.
1.4 Solder the body onto the cable.

2



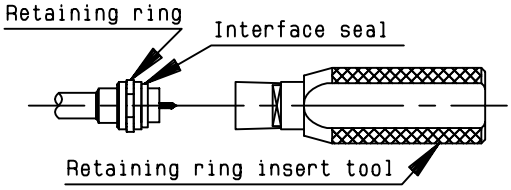
2.1 Immobilize the cable using the thumb crew on the cable holder.
2.2 Get the positioner into the connector groove , using knurled push-buttom.
Push buttom until it stops.
2.3 Tighten cable.
Present the stripping tool in opposition to the cable holder.
2.4 Push and turn both elements with respect to each other.
When the tool stop cutting : pull off without turning it.

3



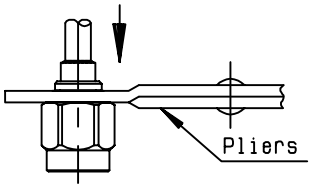
3.1 Present the trimmer in opposition to the cable holder,push and turn both elemenls with respect to each other until fully home

4



4.1 Place retaining ring onto its insert tool
4.2 Push sub-assembly into the tool until the retaining ring snaps into place.
Place the interface seal O ring onto body.

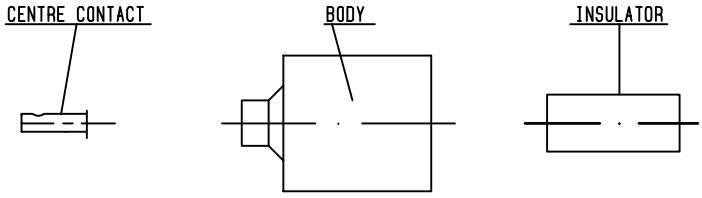
5



5.1 Compress retaining ring using retaining ring pliers.Push coupling nut onto sub-assembly and over retaining ring.

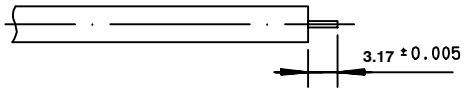
ASSEMBLY INSTRUCTIONS

M 10



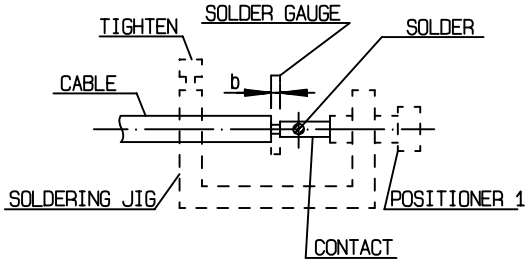
P/N	Soldering tool	Trimmer	Soldering jig	Positioner 1	Positioner 2	Solder gauge	Dialectric recess gauge	Dialectric recess tool	DIalectric insert tool + plunger
R125 052 000 **R125 052 002**	R282 051 000	R282 063 000	R282 740 000	R282 744 220	R282 744 060	R282 862 060	R282 914 000	R282 915 010	R282 730 040
R125 055 000 **R125 055 002** **R125 055 500**	R282 053 000	R282 067 000			R282 744 061				
R125 222 000	R282 051 000	R282 063 000			R282 744 010		R282 914 010		R282 730 043
R125 225 000 **R125 251 000**	R282 053 000	R282 067 000			R282 744 011				
R125 252 000	R282 051 000	R282 063 000			R282 744 010				
R125 255 000	R282 053 000	R282 067 000			R282 744 011				
R125 256 000	R282 051 000	R282 063 000			R282 744 010				
R125 305 000 **R125 325 000**	R282 053 000	R282 067 000			R282 744 011				
R125 326 000	R282 051 000	R282 063 000			R282 744 010				

1



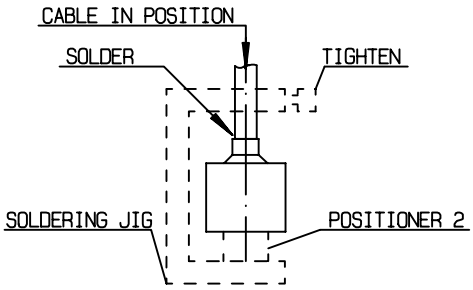
1.1
1.2 Take the tool kit : R282 120 010
Strip the dielectric of the cable .
Clean the cable .

2



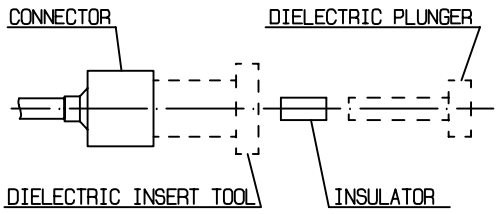
2.1
Screw the positioner (1) onto the soldering jig
2.2
2.3 Slide contact into positioner .
2.4 Insert solder gauge between contact and cable .
Tighten and solder the contact .

3



3.1
After cooling remove cable assembly from the jig .
3.2
Screw positioner (2) into the connector .
3.3
Slide cable into the connector until it bottoms againts positioner .
3.4 Tighten .
Put 3 rings of solder around the cable and solder .

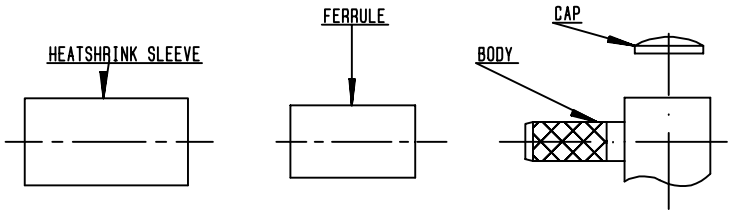
4



4.1
After cooling remove cable assembly from the jig .
4.2
Screw positioner cut
Cut the dielectric flush to clamp braid sleeve
Screw female dielectric insert tool onto connector and insert insulator with the dielectric plunger.

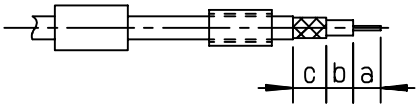
ASSEMBLY INSTRUCTIONS

M 11



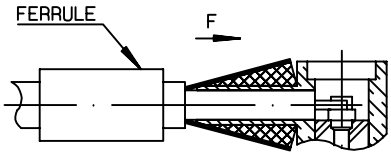
P/N	Stripping length			Hex. dim H	Crimp tools	
	a	b	c		Dies included	MIL standard R282 293 000 (M22520/5-01)+DIES
R125 170 402 **R125 172 000** **R125 172 001**	2.8	3	7	3.25	R282 211 000	R282 235 003 (M22520/5-03)
R125 174 000	3	4	6	3.84	R282 271 000	R282 235 037 (M22520/5-37)
R125 174 011	2.8	3	7			
R125 175 000 **R125 175 001** **R125 176 000** **R125 176 001**				5.4	R282 223 000	R282 235 011 (M22520/5-11)

1



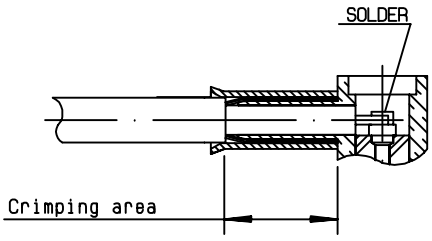
1.1 Slide onto the cable the ferrule and the heatshrink sleeve .
1.2 Strip the cable .

2



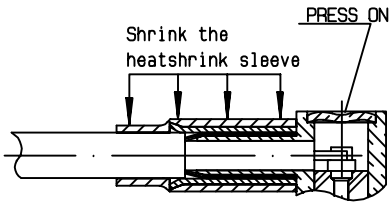
2.1 Fan the braid .
2.2 Push connector body under the braid
2.3 Slide the ferrule on the braid (in direction F)

3



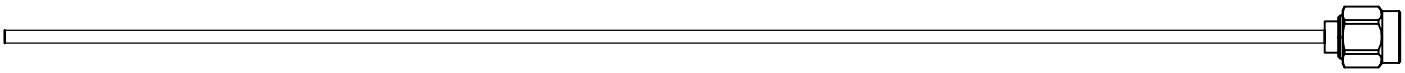
3.1 Crimp the ferrule.
3.2 Solder inner conductor .

4

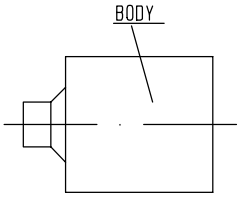


4.1 Place the cap .
4.2 Press cap flush or slightly below surface of body assembly .
Slide sleeve over ferrule and heatshrink in place.

ASSEMBLY INSTRUCTIONS

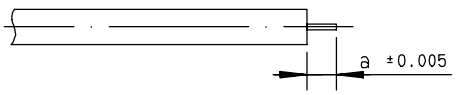


M 12



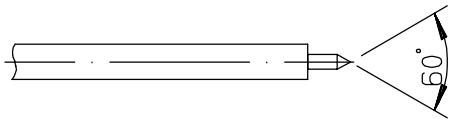
P/N	Stripping length a	Stripping tool	Trimmer	Soldering jig	Positioner 2
R125 052 102 **R125 052 500**	3.17	R282 051 000	R282 063 000		R282 744 060
R125 055 100	2	R 282 053 000	R282 066 100	R282 740 000	
R125 055 102 **R125 225 102**	3.17		R282 067 000		

1



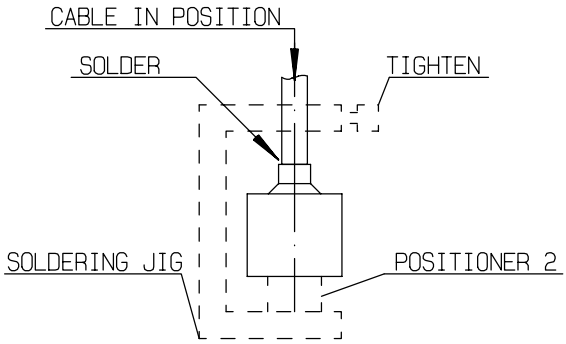
1.1 Strip the cable .

2



2.1 Trim cable center conductor.

3



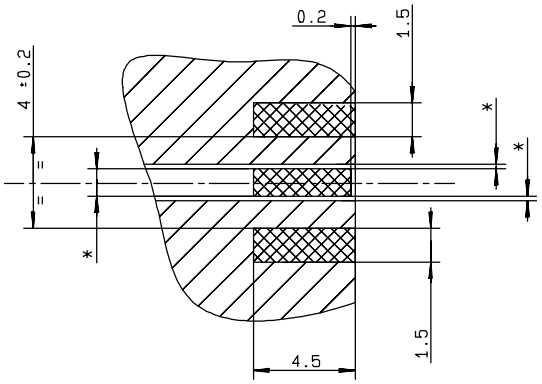
3.1 Introduce the cable into the connector body until contact with the body shoulder.

3.2 Place the sub-assembly on assembly jig.

3.3 Solder body on the cable.

3.4 Let assembly cool down before removing it from the jig.

M 13



COPLANAR LINE
Pattern and signal are on the same side
The material of PCB is the epoxy resin
of glass fabrics bacs.(Er = 4.8)
The solder resist should be printed
except for the land pattern on the PCB.

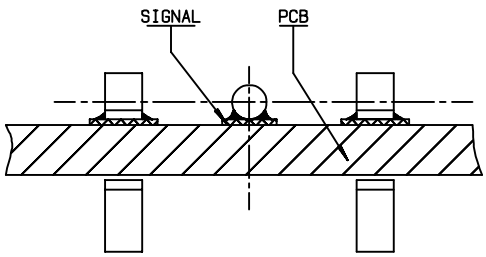
*Parameters flaged by a star must be defined dimensionally regarding the thickness of the PCB and the transmission way these parameters could be measured by RADIALL if request.

Pattern

Land for solder paste

P/N
R125 423 200

1

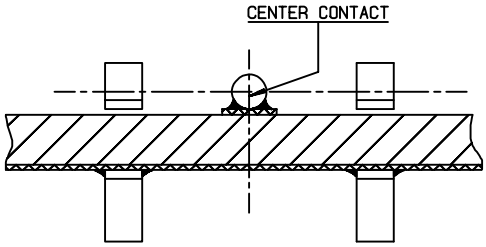


This type of connector is adapted to one specific PCB thickness.
It can be used with differents ways of transmission.

COPLANAR LINE

Signal and ground are coplanar.

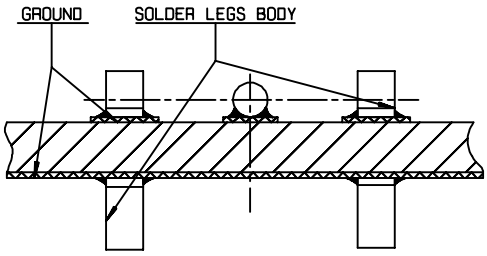
2



MICROSTRIP LINE

Signal and ground are opposite.

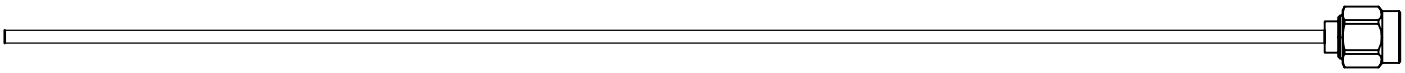
3



Coplanar and opposite grounds.

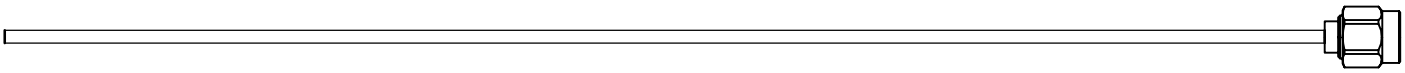
Solution (3) features a stronger mechanical retention on the PCB because the 4 leads are soldered.

INDEX OF RADIALL PART NUMBERS



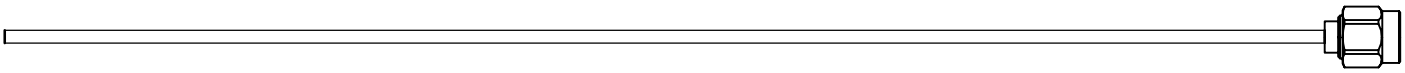
Part numbers	Description	Page
R125 052 000	straight plug solder type for .085” cable	14
R125 052 002	straight plug solder type for .085” cable	14
R125 052 102	straight plug solder type for .085” cable	14
R125 052 500	straight plug solder type for .085” cable	14
R125 052 700	straight plug solder type for .085” cable (27 GHz)	31
R125 052 702	straight plug solder type for .085” cable (27 GHz)	31
R125 052 900	straight plug crimp type for .085” cable (with retractable coupling nut)	31
R125 052 901	straight plug crimp type for .085” cable (with retractable coupling nut)	31
R125 053 900	straight plug crimp type for .141” cable (without center contact & insulator, with retractable coupling nut)	31
R125 053 901	straight plug crimp type for .141” cable (without center contact & insulator, with retractable coupling nut)	31
R125 054 000	straight plug solder type for .141” cable (without center contact)	14
R125 054 002	straight plug solder type for .141” cable (without center contact)	14
R125 054 500	straight plug solder type for .141” cable (without center contact & with retractable coupling nut)	14
R125 054 502	straight plug solder type for .141” cable (without center contact & with retractable coupling nut)	14
R125 054 900	straight plug crimp type for .141” cable (without center contact & insulator)	31
R125 054 901	straight plug crimp type for .141” cable (without center contact & insulator)	31
R125 055 000	straight plug solder type for .141” cable	14
R125 055 002	straight plug solder type for .141” cable	14
R125 055 100	straight plug solder type for .141” cable	14
R125 055 102	straight plug solder type for .141” cable	14
R125 055 500	straight plug solder type for .141” cable	14
R125 055 700	straight plug solder type for .141” cable (27 GHz)	31
R125 055 702	straight plug solder type for .141” cable (27 GHz)	31
R125 055 900	straight plug crimp type for .141” cable (with retractable coupling nut)	31
R125 055 901	straight plug crimp type for .141” cable (with retractable coupling nut)	31
R125 055 910	straight plug crimp type for .141” cable	31
R125 055 911	straight plug crimp type for .141” cable	31
R125 055 940	straight plug crimp type for .141” cable (with center contact)(short length)	31
R125 055 941	straight plug crimp type for .141” cable (with center contact)(short length)	31
R125 057 000	straight plug solder type for .141” cable	14
R125 057 002	straight plug solder type for .141” cable	14
R125 069 000	straight plug crimp type for 2/50/S cable	13
R125 069 001	straight plug crimp type for 2/50/S cable	13
R125 071 120	straight plug crimp type for 2,6/50/S cable	13
R125 071 121	straight plug crimp type for 2,6/50/S cable	13
R125 072 000	straight plug crimp type for 2,6/50/S cable	13
R125 072 001	straight plug crimp type for 2,6/50/S cable	13
R125 072 080	straight plug crimp type for 2,6/50/D cable	13
R125 072 081	straight plug crimp type for 2,6/50/D cable	13
R125 072 220	straight plug crimp type for 2,6/50/D cable	13
R125 072 221	straight plug crimp type for 2,6/50/D cable	13
R125 073 000	straight plug crimp type for 2,6/50/S cable	13
R125 073 001	straight plug crimp type for 2,6/50/S cable	13
R125 075 000	straight plug crimp type for 5/50/S cable	13
R125 075 001	straight plug crimp type for 5/50/S cable	13
R125 075 320	straight plug crimp type for 5/50/S cable	13
R125 075 321	straight plug crimp type for 5/50/S cable	13
R125 076 000	straight plug crimp type for 5/50/D cable	13
R125 076 001	straight plug crimp type for 5/50/D cable	13
R125 076 120	straight plug crimp type for 5/50/D cable	13
R125 076 121	straight plug crimp type for 5/50/D cable	13
R125 076 201	straight plug crimp type for 5/50/S cable	13
R125 091 000	straight plug clamp type for 2,6/50/S cable	13
R125 091 001	straight plug clamp type for 2,6/50/S cable	13
R125 153 000	right angle plug solder type for .085” cable	14
R125 153 002	right angle plug solder type for .085” cable	14
R125 153 900	right angle plug crimp type for .085” cable	31
R125 153 901	right angle plug crimp type for .085” cable	31
R125 154 000	right angle plug solder type for .141” cable	14
R125 154 002	right angle plug solder type for .141” cable	14
R125 154 900	right angle plug crimp type for .141” cable	31
R125 154 901	right angle plug crimp type for .141” cable	31

INDEX OF RADIALL PART NUMBERS



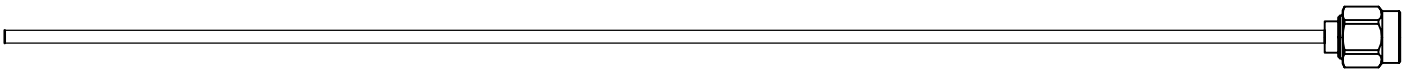
Part numbers	Description	Page
R125 170 402	right angle plug clamp type for 2/50/S cable	14
R125 172 000	right angle plug clamp type for 2,6/50/S cable	14
R125 172 001	right angle plug clamp type for 2,6/50/S cable	14
R125 174 000	right angle plug clamp type for 2,6/50/D cable	14
R125 174 011	right angle plug clamp type for 2,6/50/D cable	14
R125 175 000	right angle plug clamp type for 5/50/S cable	14
R125 175 001	right angle plug clamp type for 5/50/S cable	14
R125 176 000	right angle plug clamp type for 5/50/D cable	14
R125 176 001	right angle plug clamp type for 5/50/D cable	14
R125 222 000	straight jack solder type for .085” cable	15
R125 222 700	straight jack solder type for .085” cable (27 GHz)	31
R125 222 900	straight jack crimp type for .085” cable	31
R125 222 901	straight jack crimp type for .085” cable	31
R125 225 000	straight jack solder type for .141” cable	15
R125 225 102	straight jack solder type for .141” cable	15
R125 225 700	straight jack solder type for .141” cable (27 GHz)	31
R125 225 900	straight jack crimp type for .141” cable	31
R125 225 901	straight jack crimp type for .141” cable	31
R125 251 000	straight flange jack solder type for .141” cable (2 hole flange)	16
R125 252 000	straight flange jack solder type for .085” cable (2 hole flange)	16
R125 255 000	straight flange jack solder type for .141” cable	16
R125 255 900	straight square flange jack crimp type for .141” cable	31
R125 255 901	straight square flange jack crimp type for .141” cable	31
R125 256 000	straight flange jack solder type for .085” cable	16
R125 256 900	straight square flange jack crimp type for .085” cable	31
R125 256 901	straight square flange jack crimp type for .085” cable	31
R125 272 000	straight flange jack crimp type for 2,6/50/S cable	15
R125 272 001	straight flange jack crimp type for 2,6/50/S cable	15
R125 277 000	straight flange jack crimp type for 5/50/S cable	15
R125 277 001	straight flange jack crimp type for 5/50/S cable	15
R125 278 000	straight flange jack crimp type for 5/50/D cable	15
R125 278 001	straight flange jack crimp type for 5/50/D cable	15
R125 305 000	bulkhead jack solder type for .141” cable	17
R125 312 120	bulkhead jack full crimp type for 2,6/50/S cable	16
R125 312 121	bulkhead jack full crimp type for 2,6/50/S cable	16
R125 313 120	bulkhead jack full crimp type for 2,6/50/D cable	16
R125 313 121	bulkhead jack full crimp type for 2,6/50/D cable	16
R125 314 120	bulkhead jack full crimp type for 5/50/S cable	16
R125 314 121	bulkhead jack full crimp type for 5/50/S cable	16
R125 315 120	bulkhead jack full crimp type for 5/50/D cable	16
R125 315 121	bulkhead jack full crimp type for 5/50/D cable	16
R125 322 030	bulkhead panel sealed jack crimp type for 2,6/50/D cable	16
R125 325 000	bulkhead jack solder type for .141” cable	17
R125 325 700	bulkhead jack solder type for .141” cable (27 GHz)	31
R125 325 900	bulkhead jack crimp type for .141” cable	31
R125 325 901	bulkhead jack crimp type for .141” cable	31
R125 326 000	bulkhead jack solder type for .085” cable	17
R125 326 700	bulkhead jack solder type for .085” cable (27 GHz)	31
R125 326 900	bulkhead jack crimp type for .085” cable	31
R125 326 901	bulkhead jack crimp type for .085” cable	31
R125 403 000	straight female square flange receptacle	18
R125 403 001	straight female square flange receptacle	18
R125 410 000	universal straight female square flange receptacle	25
R125 410 001	universal straight female square flange receptacle	25
R125 413 000	straight female square flange receptacle (extended dielectric)	20
R125 413 001	straight female square flange receptacle (extended dielectric)	20
R125 414 000	straight female square flange receptacle (extended dielectric)	20
R125 414 001	straight female square flange receptacle (extended dielectric)	20
R125 414 004	straight female square flange receptacle (extended dielectric)	20
R125 414 005	straight female square flange receptacle (extended dielectric)	20
R125 415 270	straight female square flange receptacle (extended dielectric)	20

INDEX OF RADIALL PART NUMBERS



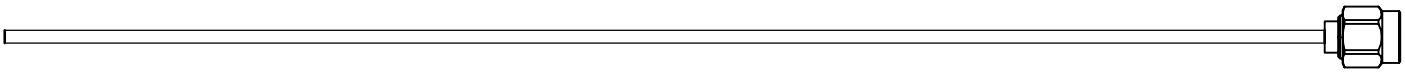
Part numbers	Description	Page
R125 415 271	straight female square flange receptacle (extended dielectric)	20
R125 415 274	straight female square flange receptacle (extended dielectric)	20
R125 415 275	straight female square flange receptacle (extended dielectric)	20
R125 423 200	end launch female receptacle	26
R125 426 000	straight PCB female receptacle	26
R125 426 140	straight PCB female receptacle	26
R125 430 000	universal straight male square flange receptacle	25
R125 430 001	universal straight male square flange receptacle	25
R125 433 000	straight male square flange receptacle	19
R125 433 001	straight male square flange receptacle	19
R125 441 000	straight male square flange receptacle (extended dielectric)(27 GHz)	31
R125 441 001	straight male square flange receptacle (extended dielectric)(27 GHz)	31
R125 444 000	straight male square flange receptacle (extended dielectric)	21
R125 444 001	straight male square flange receptacle (extended dielectric)	21
R125 453 000	straight female 2 hole flange receptacle (extended dielectric)	18
R125 453 001	straight female 2 hole flange receptacle (extended dielectric)	18
R125 454 000	straight female 2 hole flange receptacle	18
R125 454 001	straight female 2 hole flange receptacle	18
R125 460 000	universal straight female 2 hole flange receptacle	25
R125 460 001	universal straight female 2 hole flange receptacle	25
R125 462 000	straight female 2 hole flange receptacle (extended dielectric)	24
R125 462 001	straight female 2 hole flange receptacle (extended dielectric)	24
R125 464 000	straight female 2 hole flange receptacle (extended dielectric)	20
R125 464 001	straight female 2 hole flange receptacle (extended dielectric)	20
R125 464 004	straight female 2 hole flange receptacle (extended dielectric)	20
R125 464 005	straight female 2 hole flange receptacle (extended dielectric)	20
R125 464 270	straight female 2 hole flange receptacle (extended dielectric)	20
R125 464 271	straight female 2 hole flange receptacle (extended dielectric)	20
R125 464 274	straight female 2 hole flange receptacle (extended dielectric)	20
R125 464 275	straight female 2 hole flange receptacle (extended dielectric)	20
R125 474 000	straight male 2 hole flange receptacle	21
R125 474 001	straight male 2 hole flange receptacle	21
R125 480 001	universal straight male 2 hole flange receptacle	25
R125 483 000	straight male 2 hole flange receptacle	19
R125 483 001	straight male 2 hole flange receptacle	19
R125 484 000	straight male 2 hole flange receptacle	24
R125 484 001	straight male 2 hole flange receptacle	24
R125 488 000	straight male square flange receptacle	23
R125 488 001	straight male square flange receptacle	23
R125 488 500	straight male square flange receptacle (reduced flange)	23
R125 488 501	straight male square flange receptacle (reduced flange)	23
R125 492 000	straight male square flange receptacle	24
R125 492 001	straight male square flange receptacle	24
R125 497 000	straight female 2 hole flange receptacle	22
R125 497 001	straight female 2 hole flange receptacle	22
R125 501 000	straight female square flange receptacle	22
R125 501 001	straight female square flange receptacle	22
R125 503 000	straight female 2 hole flange receptacle	22
R125 503 001	straight female 2 hole flange receptacle	22
R125 504 000	straight female 2 hole flange receptacle	22
R125 504 001	straight female 2 hole flange receptacle	22
R125 510 000	straight female square flange receptacle	22
R125 510 001	straight female square flange receptacle	22
R125 512 000	straight female square flange receptacle (extended dielectric)	24
R125 512 001	straight female square flange receptacle (extended dielectric)	24
R125 513 000	straight female square flange receptacle (extended dielectric)	24
R125 513 001	straight female square flange receptacle (extended dielectric)	24
R125 553 000	straight female bulkhead receptacle	19

INDEX OF RADIALL PART NUMBERS



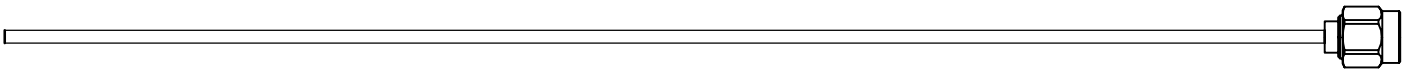
Part numbers	Description	Page
R125 553 001	straight female bulkhead receptacle	19
R125 555 500	straight female bulkhead receptacle	21
R125 560 000	straight female bulkhead receptacle	21
R125 560 001	straight female bulkhead receptacle	21
R125 590 001	press mount female receptacle	26
R125 590 201	press mount female receptacle	26
R125 590 221	press mount female receptacle	26
R125 603 000	straight female bulkhead receptacle (hermetically sealed)	19
R125 610 000	straight female square flange receptacle	23
R125 610 001	straight female square flange receptacle	23
R125 611 000	straight female square flange receptacle	23
R125 611 001	straight female square flange receptacle	23
R125 614 010	straight female square flange receptacle	25
R125 614 011	straight female square flange receptacle	25
R125 620 000	straight female square flange receptacle	22
R125 620 001	straight female square flange receptacle	22
R125 653 000	right angle female square flange receptacle	18
R125 653 001	right angle female square flange receptacle	18
R125 654 000	right angle female square flange receptacle	18
R125 654 001	right angle female square flange receptacle	18
R125 654 450	right angle female square flange receptacle (extended dielectric)	21
R125 654 451	right angle female square flange receptacle (extended dielectric)	21
R125 670 000	universal right angle female square flange receptacle	25
R125 670 001	universal right angle female square flange receptacle	25
R125 680 000	right angle female PCB receptacle	26
R125 703 000	male male in-series adapter	27
R125 703 001	male male in-series adapter	27
R125 703 700	male male in-series adapter (27 GHz)	31
R125 703 701	male male in-series adapter (27 GHz)	31
R125 704 000	male female in-series adapter	27
R125 704 001	male female in-series adapter	27
R125 704 700	male female in-series adapter (27 GHz)	31
R125 704 701	male female in-series adapter (27 GHz)	31
R125 705 000	female female in-series adapter	27
R125 705 001	female female in-series adapter	27
R125 705 700	female female in-series adapter (27 GHz)	31
R125 705 701	female female in-series adapter (27 GHz)	31
R125 720 000	female female bulkhead in-series adapter	27
R125 720 001	female female bulkhead in-series adapter	27
R125 753 000	female female bulkhead in-series adapter (hermetically sealed)	27
R125 753 001	female female bulkhead in-series adapter (hermetically sealed)	27
R125 771 000	male female right angle in-series adapter	27
R125 771 001	male female right angle in-series adapter	27
R125 780 000	tee female female male in-series adapter	27
R125 780 001	tee female female male in-series adapter	27
R125 781 000	tee female female female in-series adapter	27
R125 781 001	tee female female female in-series adapter	27
R125 791 501	male (push-on) female in-series adapter	27
R125 792 501	male female (push-on) in-series adapter	27
R125 802 000	male cap	28
R125 802 001	male cap	28
R125 812 000	male cap with bead chain	28
R125 812 001	male cap with bead chain	28
R125 845 000	female cap with cord	28
R125 845 001	female cap with cord	28
R125 852 000	male short circuit	28
R125 852 001	male short cicuit	28
R125 943 001	straight female square flange receptacle (reduced flange)	22
R191 009 000	PC7 / SMA male	32
R191 011 000	PC7 / SMA female	32
R191 301 000	BNC plug / SMA male	32
R191 303 000	BNC jack / SMA male	32
R191 304 360	BNC jack / SMA female	32
R191 305 000	BNC plug / SMA female	32
R191 309 000	TNC plug / SMA male	32

INDEX OF RADIALL PART NUMBERS



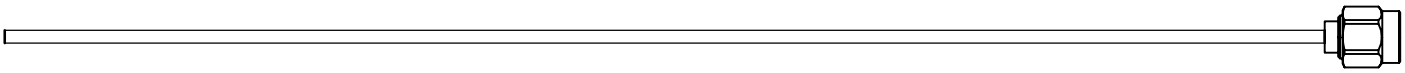
Part numbers	Description	Page
R191 311 000	TNC jack / SMA male	32
R191 313 000	TNC plug / SMA female	32
R191 314 700	TNC P jack / SMA bulkhead female	32
R191 315 000	TNC jack / SMA female	32
R191 325 000	N plug / SMA male	32
R191 327 000	N jack / SMA male	32
R191 329 000	N plug / SMA female	32
R191 331 000	N jack / SMA female	32
R191 332 000	N bulkhead panel sealed jack / SMA bulkhead female	32
R191 334 000	N bulkhead panel + inner sealed jack / SMA bulkhead female	32
R191 338 000	C floating plug / SMA female	32
R191 342 000	C flange jack / SMA female	32
R191 347 000	SSMA jack / SMA male	32
R191 349 000	SSMA jack / SMA female	32
R191 350 001	BMA plug / SMA male	32
R191 351 001	BMA jack / SMA male	32
R191 352 001	BMA plug / SMA female	32
R191 353 001	BMA jack / SMA female	32
R191 353 301	BMA floating jack / SMA female	32
R191 353 227	BMA jack / SMA bulkhead female	32
R191 353 401	BMA floating flange jack / SMA female	32
R191 354 001	BMA bulkhead plug / SMA male	32
R191 355 001	BMA bulkhead plug / SMA female	32
R191 359 000	HN flange jack / SMA female	32
R191 362 001	SBMA plug / SMA female	32
R191 362 121	SBMA bulkhead plug / SMA female	32
R191 363 001	SBMA jack / SMA female	32
R191 363 451	SBMA 2 holes flange jack / SMA female	32
R191 365 000	TNC flange jack / SMA female	32
R191 366 071	MC Card plug / SMA female	32
R191 366 091	MC Card jack / SMA female	32
R191 374 000	SSMB jack / SMA male	32
R191 376 000	SSMB plug / SMA male	32
R191 377 000	N flange jack / SMA male	32
R191 381 000	N flange jack / SMA female	32
R191 385 000	MCX plug / SMA male	32
R191 386 000	MCX jack / SMA male	32
R191 387 000	MCX jack / SMA female	32
R191 387 170	MCX plug / SMA bulkhead female	32
R191 388 000	MCX plug / SMA female	32
R191 392 027	MMT plug with female center contact / SMA male	32
R191 394 027	MMT plug with female center contact / SMA female	32
R191 975 761	MMS plug / SMA male	32
R191 975 771	MMS jack / SMA male	32
R191 975 781	MMS plug / SMA female	32
R191 975 791	MMS jack / SMA female	32
R280 150 000	removable contact to be used with universal receptacles	29
R280 151 000	removable contact to be used with universal receptacles	29
R280 457 208	removable contact to be used with universal receptacles	29
R280 458 030	removable contact to be used with universal receptacles	30
R280 460 000	removable contact to be used with universal receptacles	29
R280 461 000	removable contact to be used with universal receptacles	29
R280 461 200	removable contact to be used with universal receptacles	29
R280 461 210	removable contact to be used with universal receptacles	29
R280 462 000	removable contact to be used with universal receptacles	29
R280 463 000	removable contact to be used with universal receptacles	29
R280 464 000	removable contact to be used with universal receptacles	30
R280 465 000	removable contact to be used with universal receptacles	30
R280 465 020	removable contact to be used with universal receptacles	30
R280 466 020	removable contact to be used with universal receptacles	30
R280 466 030	removable contact to be used with universal receptacles	30
R280 466 040	removable contact to be used with universal receptacles	30
R280 467 000	insulator to be used with universal receptacles	30
R280 468 000	insulator to be used with universal receptacles	30
R280 468 110	insulator to be used with universal receptacles	30

INDEX OF RADIALL PART NUMBERS



Part numbers	Description	Page
R280 468 120	insulator to be used with universal receptacles	30
R280 547 110	removable contact to be used with universal receptacles	29
R280 637 010	heatshrink sleeve	28
R280 637 020	heatshrink sleeve	28
R280 637 030	heatshrink sleeve	28
R282 051 000	stripping tool for .085” cable	40
R282 053 000	stripping tool for .141” cable	40
R282 053 100	trimmer	38
R282 055 000	replacement stripping blade	40
R282 056 085	replacement coning blade	40
R282 056 118	replacement coning blade	40
R282 059 100	cable holder	38
R282 063 000	coning (3.17 mm) tool for .085” cable	40
R282 066 000	coning (2.16 mm) tool for .141” cable	40
R282 066 100	trimmer	38
R282 067 000	coning (3.17 mm) tool for .141” cable	40
R282 102 000	bending kit for .085” / .141” / .250 semi rigid cables	39
R282 114 125	stripping and coning kit for .085” semi rigid cable	40
R282 120 010	tool kit	38
R282 200 000	retaining ring pliers	38
R282 211 000	crimping tool (dies included : Hex. 4,52 / 3,25 / 2,67)	41
R282 223 000	crimping tool (dies included : Hex.6,48 / 5,41 / 1,73)	41
R282 235 003	MIL dies (Hex. 3,25 / 2,7)	43
R282 235 011	MIL dies (Hex. 5.4/1.33)	43
R282 235 037	MIL dies (Hex. 7.97/3.84)	43
R282 271 000	crimping tool (dies included : Hex. 3,84 / 3,25 / 0,72)	41
R282 281 000	crimping tool without positioner	43
R282 293 000	MIL crimping tool (without dies)	43
R282 320 000	torque wrench 80 - 120 N.cm	41
R282 344 127	1.27 mm across flats male hex key	40
R282 344 150	1.5 mm across flats male hex key	40
R282 700 000	positioner	38
R282 730 040	dielectric insert tool + dielectric plunger for female	38
R282 730 043	dielectric insert tool + dielectric plunger for male	38
R282 740 000	soldering assembly jig	38
R282 744 010	soldering positioner for female SMA .085” cable	38
R282 744 011	soldering positioner for female SMA .141” cable	38
R282 744 060	soldering positioner for male SMA .085” cable	38
R282 744 061	soldering positioner for male SMA .141” cable	38
R282 744 062	soldering positioner for male commercial SMA .085” cable	38
R282 744 063	soldering positioner for male commercial SMA .141” cable	38
R282 744 100	soldering positioner for male	38
R282 744 200	soldering positioner for right angle SMA	38
R282 744 201	soldering positioner for right angle commercial SMA	38
R282 744 220	soldering positioner for center contact	38
R282 750 000	bending tool	39
R282 751 050	bending gauge .085	39
R282 751 051	bending gauge .085	39
R282 751 070	bending gauge .141	39
R282 751 071	bending gauge .141	39
R282 751 080	bending gauge .250	39
R282 760 000	retaining ring insert tool	38
R282 800 000	joule effect soldering device (80W)	37
R282 800 000	joule effect soldering device (250W)	37
R282 803 000	fume extraction device	37
R282 857 000	control gauge for male	38
R282 857 010	control gauge for female	38
R282 862 060	solder gauge	38
R282 864 110	blade installation gauge .085	40
R282 864 120	blade installation gauge .141	40
R282 914 000	dielectric recess gauge for male	38
R282 914 010	dielectric recess gauge for female	38
R282 915 010	dielectric recess tool	38
R282 967 012	positioner for R 282 281 000	43

INDEX OF RADIALL PART NUMBERS



Part numbers	Description	Page
R299 510 010	stripping kit for flexible cables	42
R299 511 013	blue stripping cassette	42
R299 511 016	white stripping cassette	42
R404 101 000	DC-2.5 GHz, 1 W male termination	34
R404 101 120	DC-2.5 GHz, 1 W male termination	34
R404 210 000	DC-18 GHz, 2 W male termination	34
R404 210 120	DC-18 GHz, 2 W male termination	34
R404 213 000	DC-26.5 GHz, 2 W male termination	34
R404 219 000	DC-26.5 GHz, 2 W female termination	34
R404 834 000	DC-4 GHz, 30 W male termination	34
R404 835 000	DC-4 GHz, 30 W female termination	34
R404 844 000	DC-4 GHz, 50 W male termination	34
R404 845 000	DC-4 GHz, 50 W female termination	34
R404 854 000	DC-4 GHz, 100 W male termination	34
R404 855 000	DC-4 GHz, 100 W female termination	34
R413 803 000	DC-18 GHz, 2W, 3 dB attenuator	35
R413 803 115	DC-4 GHz, 2W, 3 dB attenuator	35
R413 803 117	DC-12.4 GHz, 2W, 3 dB attenuator	35
R413 806 000	DC-18 GHz, 2W, 6 dB attenuator	35
R413 806 115	DC-4 GHz, 2W, 6 dB attenuator	35
R413 806 117	DC-12.4 GHz, 2W, 6 dB attenuator	35
R413 810 000	DC-18 GHz, 2W, 10 dB attenuator	35
R413 810 115	DC-4 GHz, 2W, 10 dB attenuator	35
R413 810 117	DC-12.4 GHz, 2W, 10 dB attenuator	35
R413 820 000	DC-18 GHz, 2W, 20 dB attenuator	35
R413 820 115	DC-4 GHz, 2W, 20 dB attenuator	35
R413 820 116	DC-4 GHz, 2W, 20 dB attenuator	35
R413 820 117	DC-12.4 GHz, 2W, 20 dB attenuator	35
R413 820 118	DC-12.4 GHz, 2W, 20 dB attenuator	35
R413 820 841	DC-18 GHz, 2W, 20 dB attenuator	35
R413 825 000	DC-18 GHz, 2W, 25 dB attenuator	35
R413 830 000	DC-18 GHz, 2W, 30 dB attenuator	35
R413 830 115	DC-4 GHz, 2W, 30 dB attenuator	35
R413 830 117	DC-12.4 GHz, 2W, 30 dB attenuator	35
R413 835 000	DC-18 GHz, 2W, 35 dB attenuator	35
R413 840 000	DC-18 GHz, 2W, 40 dB attenuator	35
R413 840 115	DC-4 GHz, 2W, 40 dB attenuator	35
R413 840 117	DC-12.4 GHz, 2W, 40 dB attenuator	35
R413 845 000	DC-18 GHz, 2W, 45 dB attenuator	35
R413 850 000	DC-18 GHz, 2W, 50 dB attenuator	35
R413 850 115	DC-4 GHz, 2W, 50 dB attenuator	35
R413 850 117	DC-12.4 GHz, 2W, 50 dB attenuator	35
R413 855 000	DC-18 GHz, 2W, 55 dB attenuator	35
R413 860 000	DC-18 GHz, 2W, 60 dB attenuator	35
R413 860 115	DC-4 GHz, 2W, 60 dB attenuator	35
R413 860 117	DC-12.4 GHz, 2W, 60 dB attenuator	35
R417 103 110	DC-3 GHz, 50 W, 3 dB attenuator	36
R417 106 110	DC-3 GHz, 50 W, 6 dB attenuator	36
R417 110 110	DC-3 GHz, 50 W, 10 dB attenuator	36
R417 120 110	DC-3 GHz, 50 W, 20 dB attenuator	36
R417 130 110	DC-3 GHz, 50 W, 30 dB attenuator	36
R417 803 118	DC-2 GHz, 100 W, 3 dB attenuator	36
R417 806 118	DC-2 GHz, 100 W, 6 dB attenuator	36
R417 810 118	DC-2 GHz, 80 W, 10 dB attenuator	36
R417 820 118	DC-2 GHz, 80 W, 20 dB attenuator	36