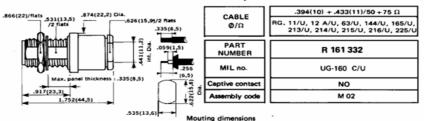
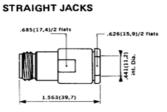
SERIE N



STRAIGHT BULKHEAD JACK with front nut and panel seal

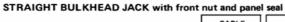


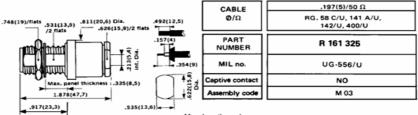




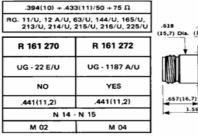
	.394(10) +.433(11)/50 +75 Ω					
CABLE Ø/Ω	RG. 11/U, 12 A/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U					
PART NUMBER	R 161 220	R 161 222				
MIL no.	UG - 23 E/U	UG - 1186 A/U				
Captive contact	NO	YES				
Assembly code	M 02	M 04				

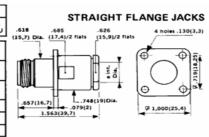
QTY	ref
12	R161325
QSJ	
3	





QTY	ref
24	R161270
QSJ	
3	









1.515(38,5)

STRAIGHT PLUG

STRAIGHT PLUGS

	$.394(10) + .433(11)/50 + 75 \Omega$			
CABLE Ø/Ω	RG. 11/U, 12/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U			
PART NUMBER	R 161 020	R 161 022		
MIL no.	UG 21 E/U	UG 1185 A/U		
Captive contact	NO	YES		
Assembly code	M 02	M 04		

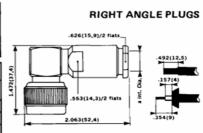
QTY	ref
6	R161018
QSJ	
2	

.630(16)/2 flats 1.772(45) 1.772(45)

	.394(10) +.433(11)/50 +75 Ω
CABLE Ø/Ω	RG. 11/U, 12 A/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U
PART NUMBER	R 161 018
MIL no.	UG - 21 B/U
Captive contact	NO
Assembly code	M 03

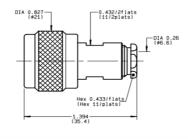
QTY ref 6 R161156 QSJ 3

	.197(5)/50 Ω	.394(10) + .433(11)/50Ω		
CABLE Ø/Ω	RG. 58 C/U, 141 A/U, 142/U, 400/U	RG. 165/U, 213/U, 214/U, 215/U, 225/U		
PART NUMBER	R 161 156	R 161 168		
MIL no.		UG - 594/U		
Captive contact	YES	YES		
a Dia. max.	.217(5,5)	.441(11,2)		
Assembly code	M 03	M 03		



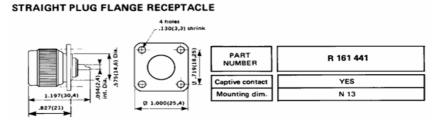
QTY ref
10 R161053
QSJ pour cable 6.5mm
3

ex: RG401 ou KS3



QTY ref 7 R161441 **QSJ**

3 MALE



QTY ref 12 OTTAWA QSJ

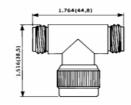
3 FEMELLE

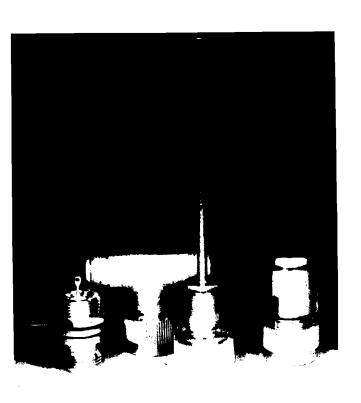
Idem que R161441 mais en **Femelle** et couleur NOIRE !



QTY ref
20 R161780
QSJ et quelques
3 femelles







50 Ω	DC - 11 GHz
75 Ω	DC – 2 GHz

GENERAL

- World-wide standardized coaxial connectors
- Screw-on coupling
- Proven strength and reliability / high durability and ruggedness
- High power ratings
- Good RF performance
- 2 ranges :
 - N
 - 75 Ω N

APPLICABLE STANDARDS

- MIL-C-39012
- IEC 169-16
- CECC 22210



APPLICATIONS

- Military and civil radio-telecommunications equipment
- Countermeasures
- Navy equipment
- Videocommunications
- Computer networks

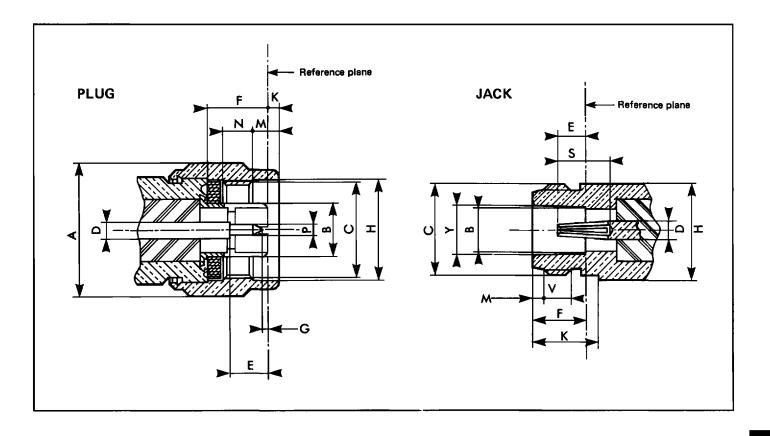
CONTENTS

General	XI 3
Characteristics	XI 4
Interface	XI 5
Plugs & Jacks	XI 6-13
Assembly tool kit	XI 13
Receptacles	XI 14-16
In series adapters	XI 17-18
Caps	XI 19
Plugs & Jacks (75 Ω)	XI 20-21
Receptacles (75 Ω)	XI 22
In series adapters (75 Ω)	XI 22
Interchangeable contacts	
and insulator beads	XI 23
Panel drilling	XI 23
Mounting instructions	XI 24-37

CHARACTERISTICS

TEST/CHARACTERISTICS	MIL - C - 39012 Article no.	VALUES/REMARKS			
ELECTRICAL CHARACTERISTICS		SERIES N 75 Ω N			
Impedance Frequency range		50 Ω 75 Ω recommended : DC - 11 GHz DC - 1.5 GHz			
, roducino, rungo		possible : DC - 11 GHz DC - 2 GHz			
V.S.W.R.	3 - 15	straight : 1.30 max. right angle : 1.50 max.			
Insertion loss	3 - 29	straight : < 0.15 dB at 10 GHz			
RF leakage	3 - 28	right angle : < 0.15 dB at 10 GHz – 90 dB min. from 2 to 3 GHz			
Insulation resistance	3 - 11	5000 MΩ min.			
Contact resistance		initial after proof			
		center contact (M Ω) 1.0 1.5			
Malana anima		outer conducter (M Ω) 0.2 — at sea level : 1000 V RMS, at 70000 ft (21.000 m) : 250 V RMS			
Voltage rating Dielectric withstanding voltage		cable 5/50 : at sea level 1500 V RMS, at 70000 ft (21.000 m) : 375 V RM			
Dielectric withstanding vortage		cable 10/50 : at sea level 2500 V RMS, at 70000 ft (21.000 m) : 625 V RM			
RF high potential withstanding voltage (5 M	Hz sine wave)	at sea level : 1500 V			
Peak power		5 kW/500 V			
Power handling : 25° C		100 MHz : 1000 W 1000 MHz : 300 W			
		1000 MHz : 300 W 3000 MHz : 150 W			
MECHANICAL CHARACTERISTICS					
		F00			
Life	3 - 16 3 - 51	500 matings 5.98 inch-pounds -68 N.cm			
Force to engage and disengage Recommended mating torque	3-51	5,98 at 9,94 inch pounds - 68 at 113 N.cm			
Proof torque		14,96 inch pounds - 170 N.cm			
Coupling mechanism	3 - 27	101,92 Lbf - 453 N			
Retention force	3 - 26	cable 5/50 and 6/75 : 40,5 Lbf - 180 N			
Cable retention force		cable 10/50 : 90 Lbf - 400 N cable .141" : 60,75 Lbf - 270 N			
Center contact retention		axial : 15,075 Lbf - 67 N			
		coupling : 2,39 inch pounds - 27 N.cm			
ENVIRONMENTAL CHARACTERISTICS					
Temperature range		standard modeł : -65°C + 165°C hermetic sealed model : -40°C + 100°C			
		models for semi-rigid cable : -65°C + 105°C			
Thermal cycling tests		MIL - STD - 202, method 102, condition C			
Thermal shock	3 - 22	MIL - STD - 202, method 107, condition B			
High temperature test Corrosion salt spray	3 - 14	MIL - STD - 202, method 108 MIL - STD - 202, method 101, condition B			
Vibration	3 - 19	MIL - STD - 202, method 204, condition B			
Shock	3 - 20	MIL - STD - 202, method 213, condition I			
Moisture resistance	3 - 23	MIL - STD - 202, method 106			
Barometric pressure	3 - 24	not applicable applied vacuum 10 ^{−6} of Hg (Torrs) leakage rate ≤ 10 ^{−6} atm/cm³/s.			
Hermetic test		leakage rate < 10 ⁻⁶ atm/cm ³ /s. at pressure < 20 bars			
Leakage		pressure : 3.5 bars ; duration : 2 mn ; temperature : 15° to 20°C			
MATERIALS					
Body and center pin contact		brass as per QQ - B - 626			
Center socket contact and mating parts		beryllium copper as per QQ - C - 530			
Ferrules		brass			
Insulators Gaskets		PTFE teflon silicone elastomer			
PLATING					
Body		nickel plated			
Center contacts		gold plated			



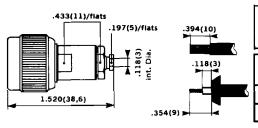


	PLUG			PLUG				JA	CK	
Letter	mm		Inch		mm Inch		ch			
	min.	max.	min.	max.	min.	max.	min.	max.		
Dia. A	1	21	ı	.827	ı	1	-	, i		
Dia. B	+	8.38	ı	.330	8,03	8,13	.316	.320		
С	5/8	-24 UNI	EF - 2 B		5/8-24 UNEF			2 A		
Dia. D	3,02	3,02 3,15 .119 .124				3.15	.119	.124		
E	5.33	5,84	.210	.230	4,75	5.26	.187	.207		
F	10,11	10,46	.398	.412	9.04	9.19	.356	.362		
G	0,08	_	,003	-	+	_	-	+		

	PLUG				JA	СК		
Letter	m	m	Inc	ch	m	m	inch	
	min.	max.	min.	max.	min.	max.	min.	max.
Dia. H	16	-	.630	-	-	15.93	1	.627
к	0.41	1.52	.016	.060	10.72	-	.422	-
м	4,01	4,27	.158	.168	1.19	1.96	.047	.077
N	4,5	5	.177	.197	ı	ı	-	1
Dia. P	1,6	1,68	.063	.066	_	1	1	١
s	ı	1	-	1	5.33	1	.210	ı
Dia. Y	-	_	_	-	8.53	8,74	,336	.344
٧	_	1	_	-	4,37	5.13	.172	.202

STRAIGHT PLUG





CABLE Φ/Ω

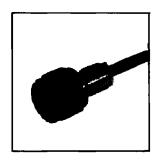
PART NUMBER Captive contact Assembly code

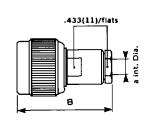
 $.102(2,6)/50 + 75\Omega$ RG. 174/U, 179 B/U, 187 A/U, 188 A/U, 316/U

R 161 004 YES M 01

.236(6)/75/93Ω

STRAIGHT PLUGS





Ø /Ω
PART NUMBER
MIL no.
Captive contact
a Dia. max.
Dim. B

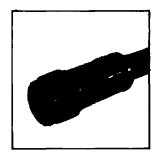
Assembly code

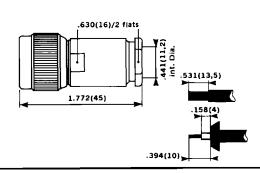
CABLE

RG. 58 C/U, 141 A/U, 142/U, 400/U			RG. 59 B/U, 62 B/U, 71 B/U, 140/U
R 161 006	R 161 008	R 161 010	R 161 012
	UG 536 A/U		UG 603 A/U
NO	NO	YES	NO
.220(5,6)	.220(5,6)	.220(5,6)	.256(6,5)
1.354(34,4)	1.354(34,4)	1,374(34,9)	1.430(36,3)
M 02	M 02	M 05	M 02

.197(5)/50 Ω

STRAIGHT PLUG





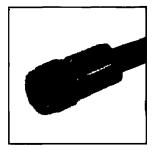
CABLE	
$\mathbf{\Phi}/\Omega$	

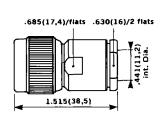
 $.394(10) + .433(11)/50 + 75 \Omega$ RG. 11/U, 12 A/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U

PART NUMBER	
MIL no.	
Captive contact	
Assembly code	

 R 161 018	
UG - 21 B/U	
NO	
M 03	

STRAIGHT PLUGS





CABLE Φ/Ω

$.394(10) + .433(11)/50 + 75 \Omega$
RG. 11/U, 12/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U

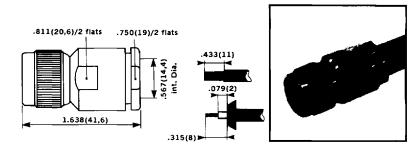
PART NUMBER
MIL no.
Captive contact
Assembly code

	R 161 020	R 161 022
	UG 21 E/U	UG 1185 A/U
	NO	YES
1	M 02	M 04

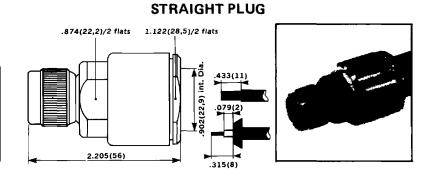


STRAIGHT PLUG

CABLE Ø/Ω	.551(14)/50 Ω
	RG. 217/U
PART NUMBER	R 161 027
MIL no.	UG - 204 C/U
Captive contact	NO
Assembly code	M 02

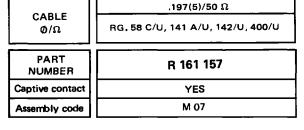


CABLE Ø/Ω	.866(22)/50 Ω
	RG. 218/U, 219/U
PART NUMBER	R 161 030
MIL no.	UG - 167 G/U
Captive contact	YES
Assembly code	M 06



RIGHT ANGLE PLUG

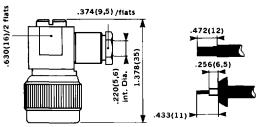
RIGHT ANGLE PLUGS



.197(5)/50 Ω

.394(10) +

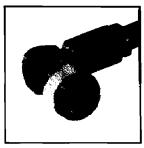
.433(11)/50 Ω





CABLE Ø/Ω	RG. 58 C/U, 141 A/U, 142/U, 400/U	RG. 165/U, 213/U, 214/U, 215/U, 225/U
PART NUMBER	R 161 156	R 161 168
MIL no.		UG - 594/U
Captive contact	YES	YES
a Dia. max.	.217(5,5)	.441(11,2)
Assembly code	M 03	M 03

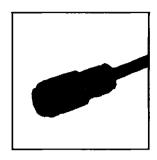
.626(15,9)/2 flats_ 492(12,5) 1.472(37,4) a int. Dia. .563(14,3)/2 fiats .354(9) 2.063(52,4)

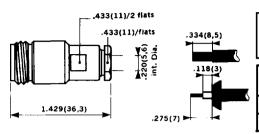




CABLE

STRAIGHT JACK





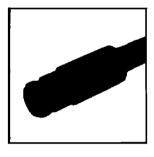
CABLE	
\mathbf{O}/Ω	

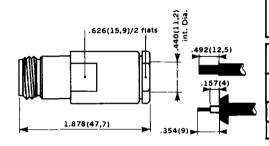
.197(5)/50 Ω
RG. 58 C/U, 141 A/U, 142/U, 400/U

PART NUMBER
Captive contact
Assembly code

R 161 206
NO
M 02

STRAIGHT JACK





CABLE Ø/Ω .394(10) + .433(11)/50 +75Ω RG. 11/U, 12 A/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U

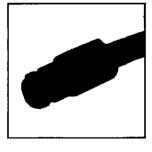
PART NUMBER MIL no. Captive contact Assembly code R 161 218

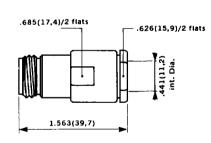
UG - 23 B/U

NO

M 03

STRAIGHT JACKS





CABLE Ø/Ω .394(10) +.433(11)/50 +75 Ω RG. 11/U, 12 A/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U

NUMBER
MIL no.
Captive contact
Assembly code

R 161 220	R 161 222
UG - 23 E/U	UG - 1186 A/U
NO	YES
M 02	M 04

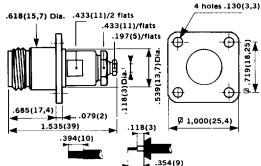
STRAIGHT FLANGE JACK

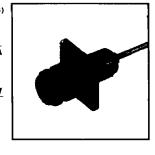


.102(2,6)/50 + 75 Ω	
RG. 174/U, 179 B/U, 187 A/U, 188 A/U, 316/U	

PART NUMBER	
Captive contac	t
Mounting dim	
Assembly cod	

R 161 252
YES
N 13 - N 14
M 01





CABLE \mathbf{Q}/Ω

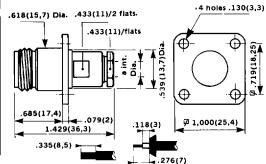
PART

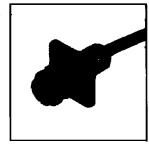
.197(5)/50 Ω	.236(6)/75 +93 Ω
RG. 58 C/U,141A/U	RG. 59 B/U,62 B/U 71 B/U, 140/U

NUMBER
MIL no.
Captive contact
a Dia. max.
Mounting dim.
Assembly code

R 161 256	R 161 262
UG - 1095 B/U	UG - 593 A/U
NO	NO
.217(5,5)	.256(6,5)
N 13 -	N 14
M 02	M 02

STRAIGHT FLANGE JACKS





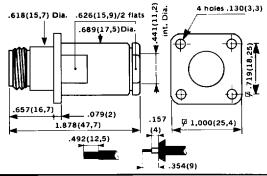
CABLE \mathbf{O}/Ω

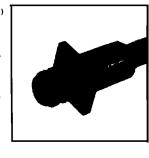
 $.394(10) + .433(11)/50 + 75 \Omega$ RG. 11/U, 12 A/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U

PART NUMBER
MIL no.
Captive contact
Mounting dim.

R 161 268	
UG - 22 B/U	
NO	
N 11 - N 14	
M 03	

STRAIGHT FLANGE JACK





CABLE ϕ/Ω

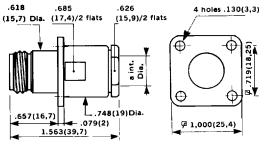
Assembly code

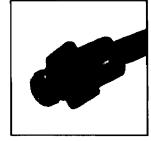
	.394(10) + .433(11)/50 + 75 12
RG.	11/U, 12 A/U, 63/U, 144/U, 165/U, 213/U, 214/U, 215/U, 216/U, 225/U

-
MIL no.
Captive contact
a Dia. max.
Mounting dim.
Assembly code

PART NUMBER	R 161 270	R 161 272
MIL no.	UG - 22 E/U	UG - 1187 A/U
Captive contact	NO	YES
a Dia. max.	.441(11,2)	.441(11,2)
Mounting dim.	N 14 - N 15	
Assembly code	M 02	M 04

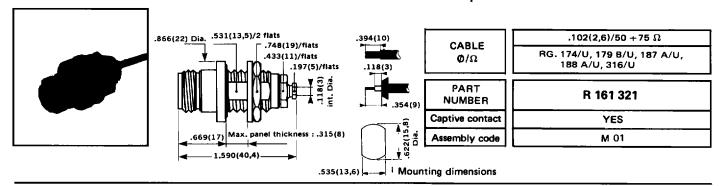
STRAIGHT FLANGE JACKS



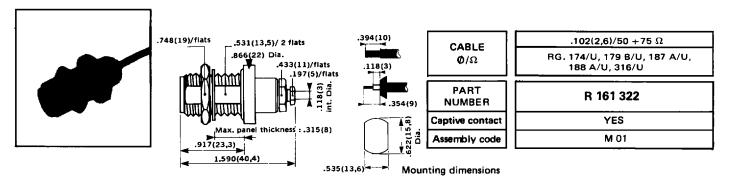




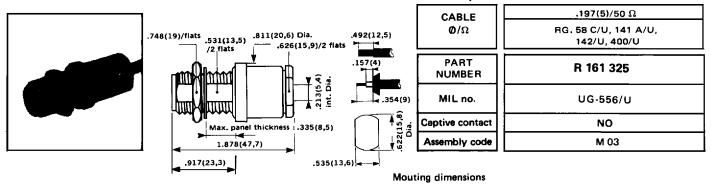
STRAIGHT BULKHEAD JACK with backnut and panel seal



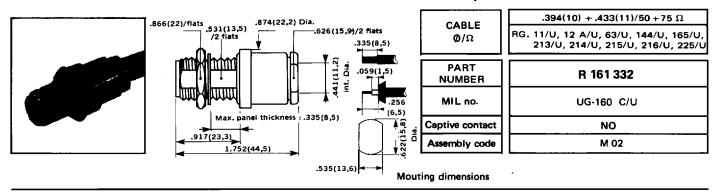
STRAIGHT BULKHEAD JACK with front nut and panel seal



STRAIGHT BULKHEAD JACK with front nut and panel seal



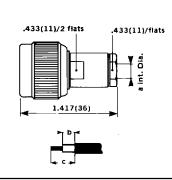
STRAIGHT BULKHEAD JACK with front nut and panel seal

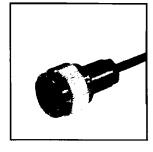


CABLE CLAMP TYPE FOR SEMI-RIGID CABLE

CABLE	. 085	. 141	. 250
PART NUMBER	R 161 050	R 161 052	R 161 053
Captive contact	NO	NO	NO
a Dia.	.089(2,25)	.142(3,6)	.256(6,5)
Dim. b	_	.091(2,3)	.051(1,3)
Dim. c	.248(6,3)	.248(6,3)	.209(5,3)
Assembly code	M 14	M 10	M 12

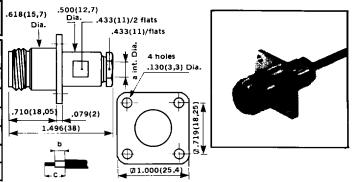
STRAIGHT PLUGS



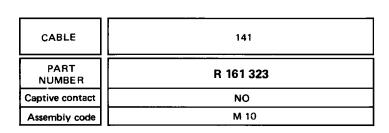


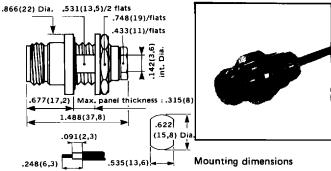
STRAIGHT FLANGE JACKS

CABLE	.141	.250
PART NUMBER	R 161 277	R 161 278
Captive contact	NO	NO
a Dia.	.142(3,6)	.252(6,4)
Dim. b	.091(2,3)	.051(1,3)
Dim. c	.248(6,3)	.209(5,3)
Mounting dim.	N 14 - N 16	
Assembly code	M 10	M 12



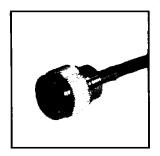
STRAIGHT BULKHEAD JACK with backnut and panel seal

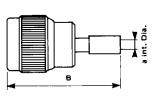


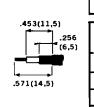


CRIMP TYPE FOR FLEXIBLE CABLE

STRAIGHT PLUGS





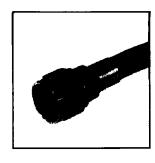


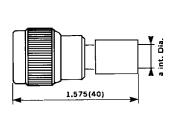
CABLE Ø/Ω	RG. 58 C/U, 141 A/U	RG. 142/U, 400/U
PART NUMBER	R 161 082	R 161 083
Captive contact	YES	YES
a Dia.	.217(5,5)	.217(5,5)
Dim. B	1.437(36,5)	1.406(35,7)

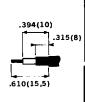
80 M

.197(5)/50 Ω S.scr. .197(5)/50 Ω D. scr.

STRAIGHT PLUGS







|--|

Assembly code

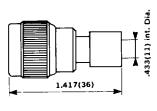
.394(10)/50 Ω	.433(11)/50 Ω
RG. 165/U, 213/U, 215/U	RG. 214/U, 225/U

M 08

R 161 075	R 161 088
YES	YES
.417(10,6)	.433(11)
M 08	M 08

STRAIGHT PLUG



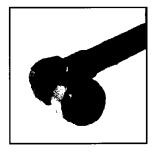


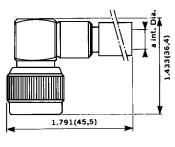


CABLE
PART NUMBER
Captive contact
Assembly code

ETHERNET	
R 161 076	
YES	
M 08	

RIGHT ANGLE PLUGS







CABLE Ø/Ω

.394(10)/50 Ω	.433(11)/50 Ω
RG. 165/U, 213/U, 215/U	RG. 214/U, 225/U

PART NUMBER	
Captive contact	
a Dia.	
Assembly code	

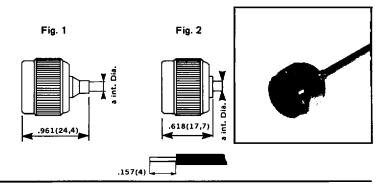
R 161 185	R 161 187
YES	YES
.417(10,6)	.433(11)
M 08	M 08



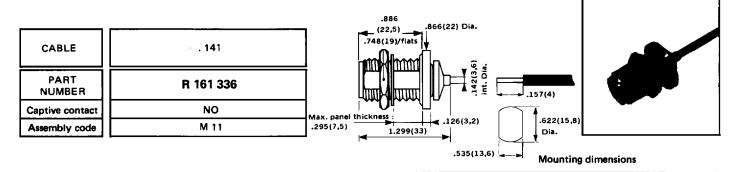
SOLDER TYPE FOR SEMI-RIGID CABLE

STRAIGHT PLUGS

CABLE	. 141	. 250
PART NUMBER	R 161 051	R 161 054
Captive contact	NO	NO
a Dia.	.142(3,6)	.252(6,4)
Assembly code	M 09	M 13
Figure	1	2



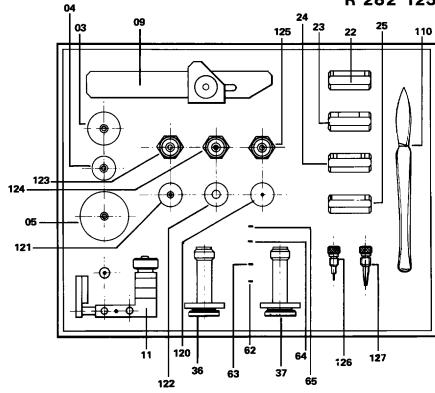
STRAIGHT BULKHEAD JACK with front nut and panel seal



ASSEMBLY TOOL KIT

R 282 125

03 04 05 09 11 22 23 24 25 36 37	730 11 050 730 11 060 730 11 070 730 11 000 730 15 022 730 20 093 730 20 103 730 20 113 730 20 123 730 25 007 730 25 008	Bending form Bending form Bending form Bending tool Soldering jig Stripping tool Stripping tool Stripping tool Stripping tool Insert tool
62	730 15 170	Solder gauge
63	730 15 190	Solder gauge
64	730 15 180	Solder gauge
65	730 15 200	Solder gauge
110	730 22 000	Scalpel
120	730 40 009	Solder barrel gauge
121	730 40 010	Solder barrel gauge
122	730 40 011	Solder barrel gauge
123	730 40 008	Body positioner
124	730 40 007	Body positioner
125	730 30 006	Control gauge
126	730 40 005	Contact positioner
127	730 40 006	Contact positioner

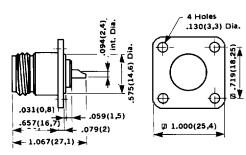




SOLDER POT PANEL RECEPTACLES

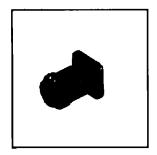
STRAIGHT JACK FLANGE RECEPTACLE

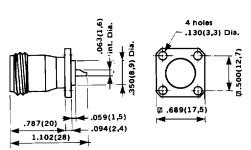




PART NUMBER	R 161 404
I MIL no.	UG - 58 A/U
Captive contact	YES
Mounting dim.	N 13 - N 14

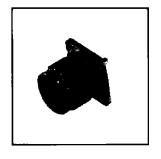
STRAIGHT JACK REDUCED FLANGE RECEPTACLE

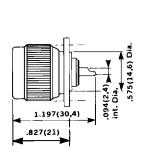


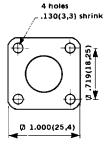


PART NUMBER	R 161 410
Captive contact	YES
Mounting dim.	N18

STRAIGHT PLUG FLANGE RECEPTACLE

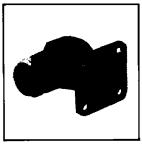


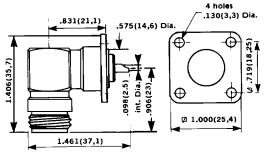




PART NUMBER	R 161 441
Captive contact	YES
Mounting dim.	N 13

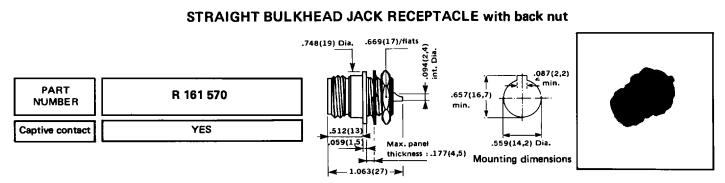
RIGHT ANGLE FLANGE RECEPTACLE



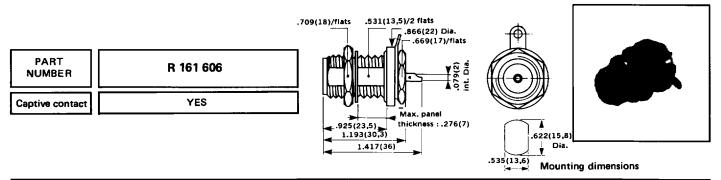


PART NUMBER	R 161 653
MIL no.	UG - 997 A/U
Captive contact	YES
Mounting dim.	N 13

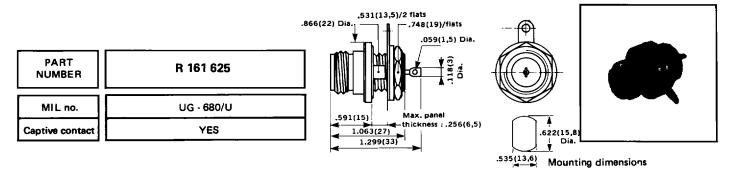




STRAIGHT BULKHEAD JACK RECEPTACLE with front nut and panel seal

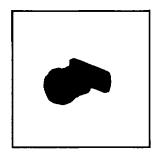


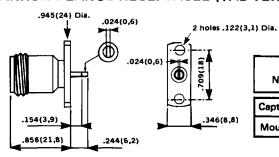
STRAIGHT BULKHEAD JACK RECEPTACLE **HERMETICALLY SEALED with back nut**



RECEPTACLES FOR STRIPLINE MIC PACKAGES MOUNTING

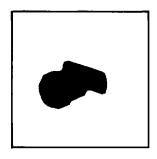
NARROW FLANGE RECEPTACLE (TAB TERMINAL)

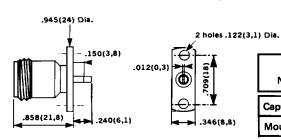




PART NUMBER	R 161 461	
Captive contact	YES	
Mounting dim.	N 21	

NARROW FLANGE RECEPTACLE (TAB TERMINAL)

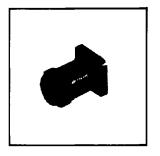




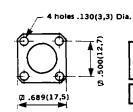
PART NUMBER	R 161 463
Captive contact	YES
Mounting dim.	N 21

UNIVERSAL RECEPTACLE

STRAIGHT JACK REDUCED FLANGE UNIVERSAL RECEPTACLE







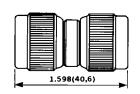
PART NUMBER	R 161 418
Mounting dim.	N 17

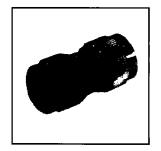
Accepts SMA series removable insulators and contacts, see page 23.

IN-SERIES ADAPTERS

STRAIGHT MALE/MALE

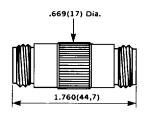
PART NUMBER	R 161 703
MIL no.	UG - 57 B/U

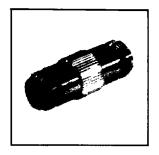




STRAIGHT FEMALE/FEMALE

PART NUMBER	R 161 705
MIL no.	UG - 29 B/U

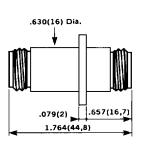


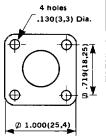


STRAIGHT FEMALE/FEMALE FLANGE MOUNT

PART R 161 715

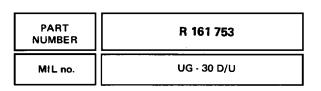
Mounting dim. N 14

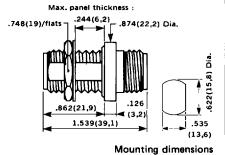


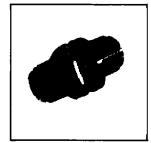




STRAIGHT HERMETICALLY SEALED BULKHEAD MOUNT FEMALE/FEMALE



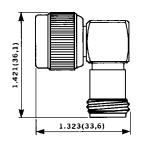




IN-SERIES ADAPTERS

RIGHT ANGLE MALE/FEMALE

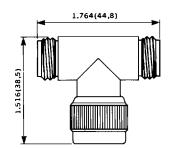




PART NUMBER	R 161 771
MIL no.	UG 27 C/U

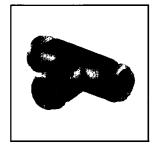
FEMALE-FEMALE/MALE TEE

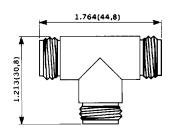




PART NUMBER	R 161 780
MIL no.	UG - 107 B/U

FEMALE-FEMALE/FEMALE TEE





PART NUMBER	R 161 782
MIL no.	UG - 28 A/U

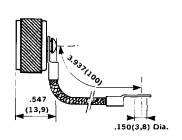
ΧI

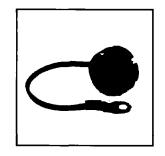
MALE WITH STRING

PART NUMBER

R 161 804

Also mateable with 75 Ω N





MALE WITH CHAIN

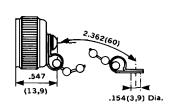
PART NUMBER

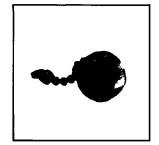
R 161 853

MIL no.

MX 913 /U

Also mateable with 75 Ω N



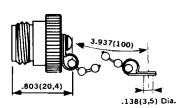


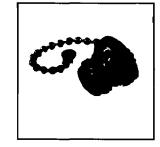
FEMALE WITH CHAIN

PART NUMBER

R 161 841

Also mateable with 75 Ω N

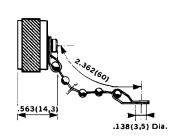


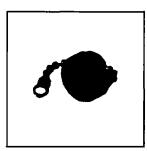


MALE SHORT CIRCUIT WITH CHAIN

PART NUMBER

R 161 862

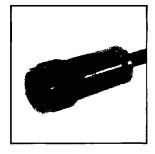


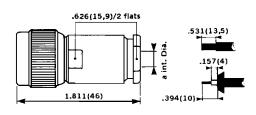




75 Ω N connectors are not intermateable with the 50 Ω series.

STRAIGHT PLUGS



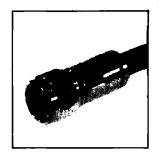


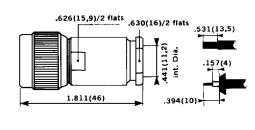
CARLE	.236(6)/75 +93 Ω	.315(8)/75 Ω
Ø/Ω	RG. 59 B/U, 62 B/U, 71 B/U, 140/U	RG. 6 A/U

PART NUMBER
MIL no.
Captive contact
a Dia.
Assembly code

R 162 012	R 162 013
	UG 91 A/U
NO	NO
.260(6,6)	.358(9,1)
M 03	М 03

STRAIGHT PLUG





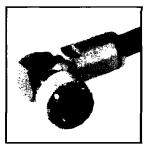
С	ABLE
_	Φ /Ω

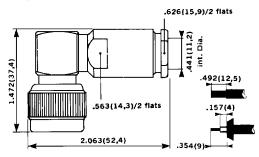
.394(10) +.433(11)/75 Ω
RG. 11/U, 12 A/U, 63/U, 144/U, 216/U

PART NUMBER
MIL no.
Captive contact
Assembly code

R 162 017	
 UG 94 A/U	
NO	
M 03	

RIGHT ANGLE PLUG





CABLE
\mathbf{Q}/Ω

.394(10) +	433 (11)/75 Ω
RG. 11/U, 63/U,	12 A/U, 144/U, 216/U

	PART NUMBER
ı	Captive contact
Assembly cod	

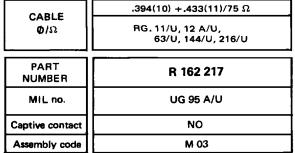
R 162 168	
YES	
M 03	

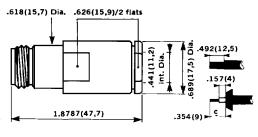


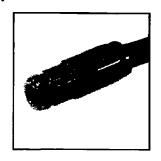
Χl

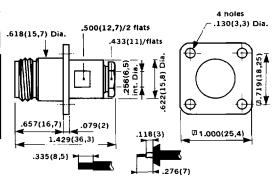
CABLE CLAMP TYPE FOR FLEXIBLE CABLE

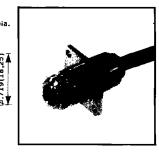
STRAIGHT JACK







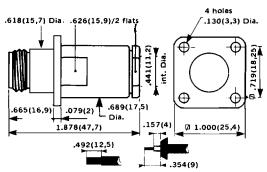


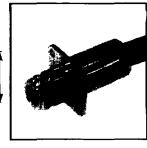


STRAIGHT FLANGE JACK

STRAIGHT FLANGE JACK

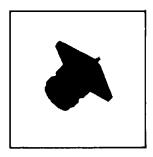
04515	.394(10) +.433(11)/75 Ω	
CABLE Ø/Ω	RG. 11/U, 12 A/U, 63/U, 144/U, 216/U	
PART NUMBER	R 162 267	
MIL no.	UG 96 A/U	
Captive contact	NO	
Mounting dim.	N 11 - N 14	
Assembly code	M 03	

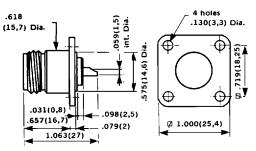




SOLDER POT PANEL RECEPTACLES

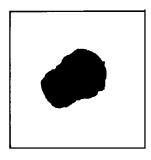
STRAIGHT FLANGE RECEPTACLE

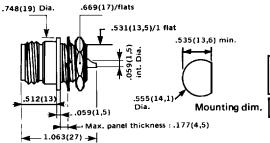




PART NUMBER	R 162 403	
Captive contact	YES	
Mounting dim.	N 13 - N 14	

STRAIGHT FLANGE RECEPTACLE with back nut



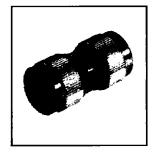


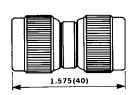
PART · NUMBER	
Captive contact	Ì

R 162 570

IN-SERIES ADAPTERS

STRAIGHT MALE/MALE

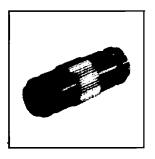


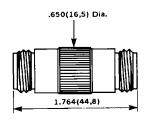


PART NUMBER

R 162 703

STRAIGHT FEMALE/FEMALE



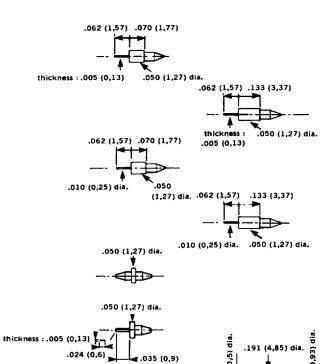


PART NUMBER

R 162 705

INTERCHANGEABLE CONTACTS AND INSULATOR BEADS

These accessories are introduced at the rear of the receptacles, dimensions are dependent on the circuits or the thickness of the boxes. (Note: When ordering, please note that contacts are packaged 10 to a bag).



.191 (4,85) dia. (R) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	
062 (1,57)	,
.051 (4,1) dia.	

PART NUMBER	DESCRIPTION	box thickness in (mm)
R 280 460	removable contact termination post thickness .005(0.13) on flats packed by 10 pieces.	.062(1.57)
R 280 461	removable contact termination post thickness .005(0.13) on flats packed by 10 pieces.	.125(3.17)
R 280 462	removable contact termination post .010(0.25) diameter packed by 10 pieces.	.062(1.57)
R 280 463	removable contact termination post .010(0.25) diameter packed by 10 pieces.	.125(3.17)
R 280 464	removable contact termination post .050(1.27) diameter packed by 10 pieces. removable contact termination post thickness .005(0.13) on flats by .024(0.6) width packed by 10 pieces.	
R 280 465		
R 280 940	removable contact with glass bead insulator	stripline installation M 21

,	R 280 467	removable insulator .161(4.1) dia. x .062(1.57) long. packed by 10 pieces.	.062(1.57)
	R 280 468	removable insulator .161(4.1) dia. x .125(3.17) long. packed by 10 pieces.	.125(3.17)

Mounting dimensions panel drilling

MARK	Ø A	В	øс	Ø D
N 11 N 12 N 13 N 14 N 15 N 16 N 17 N 18 N 21	.719(18,25) .719(18,25) .719(18,25) .719(18,25) .719(18,25) .719(18,25) .500(12,70) .500(12,70)	1111	.720(18,3) .839(21,3) .591(15,0) .638(16,2) .768(19,5) .508(12,9) .165(4,20) .362(9,20) .189(4,80)	.126(3,2) .126(3,2) .126(3,2) .126(3,2) .126(3,2) .126(3,2) .126(3,2) .126(3,2) .126(3,2)

MOUNTING EXAMPLE

removable insulator

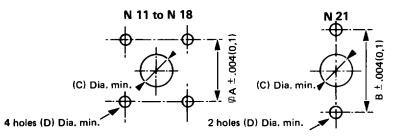
P.C. track

micro electronic box

removable center contact

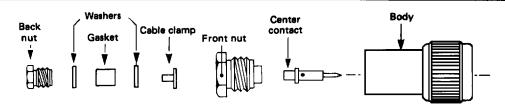
flange

receptacle



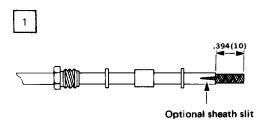


M01

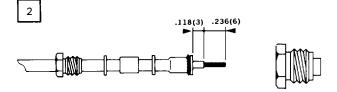


CONNECTORS

R 161 004 R 161 252 R 161 321 R 161 322

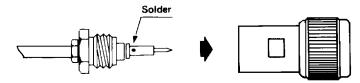


- 1 1 Fit back nut, washer, gasket and washer.
 1 2 Strip cable.
 1 3 Slit the sheath (optional).



- 2 · 1 2 · 2 2 · 3 2 · 4 Slide braid clamp between dielectric and braid. Trim braid flush to braid clamp periphery.
- Trim dielectric.
- Mount assembly into front nut.

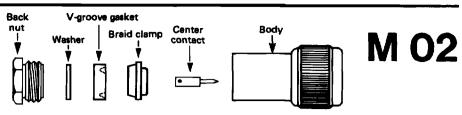




- 3 5 Solder contact.
- 3 6 Mount assembly into body.

Recommended tightening:

- Back nut (1): 2.60 inch-pounds 30 N.cm
- Front nut (2): 13.04 inch-pounds 150 N.cm



CONNECTORS	MOUNTING INSTRUCTIONS	RECOMMENDED TIGHTENING
R 161 006 R 161 008 R 161 012	M 02A M 02B M 02A	39.13 inch-pounds(450 N.cm)
R 161 020 R 161 027 R 161 206 R 161 220	M 02C M 02D M 02A M 02C	69.56 inch-pounds(800 N.cm) 69.56 inch pounds(800 N.cm) 39.13 inch-pounds(450 N.cm) 69.56 inch-pounds(800 N.cm)
R 161 256 R 161 262 R 161 270 R 161 332	M 02A M 02A M 02C M 02C	39,13 inch-pounds(450 N.cm) 39,13 inch-pounds(450 N.cm) 69,56 inch-pounds(800 N.cm) 69,56 inch-pounds(800 N.cm)
R 162 262	M 02A	39.13 inch-pounds(450 N.cm)

	a	a b	
M 02A	.335(8,5)	.118(3)	.157(4)
M 02B	.335(8,5)	.157(4)	.157(4)
M 02C	.334(8,5)	.059(1,5)	.197(5)
M 02D	.433(11)	.079(2)	.236(6)

1 - 1 Strip cable.

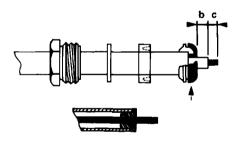
2 - 1 Fit back nut, washer, gasket and braid clamp.2 - 2 Trim dielectric.

NOTE: For air-spaced cables type RG 62 A/V, reduce dimension «b» by .039 (1 mm). Push the insulating spacer into the dielectric.

3 - 1 Solder contact. 3 - 2 Mount assembly into body.

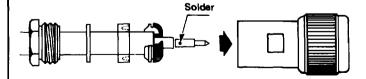
NOTE : No washers for : R 161 020 - R 161 270 - R 161 332.





3

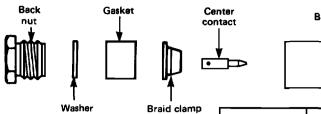
2





- XI 25 -

M 03



CONNECTORS	MOUNTING INSTRUCTIONS	RECOMMENDED TIGHTENING
R 161 018 R 161 156 R 161 168 R 161 218 R 161 268 R 161 325 R 162 012 R 162 013 R 162 017 R 162 168	M 03A M 03B M 03B M 03B M 03B M 03B M 03A M 03A M 03A M 03A	65.21 inch-pounds(750 N.cm) 39.13 inch-pounds(450 N.cm) 65.21 inch-pounds(750 N.cm) 65.21 inch-pounds(750 N.cm) 65.21 inch-pounds(750 N.cm) 39.13 inch-pounds(450 N.cm) 39.13 inch-pounds(450 N.cm) 52.17 inch-pounds(750 N.cm) 65.21 inch-pounds(750 N.cm)
R 162 217 R 162 267	M 03B M 03B	65.21 inch-pounds(750 N.cm) 65.21 inch-pounds(750 N.cm)

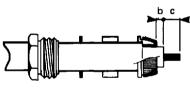




1	- 1	Strip	cable.
---	-----	-------	--------

		а	b	С
МО	3A	.531(13,5)	.157(4)	.236(6)
MC	3B	.492(12,5)	.157(4)	.197(5)

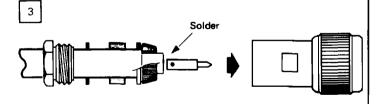




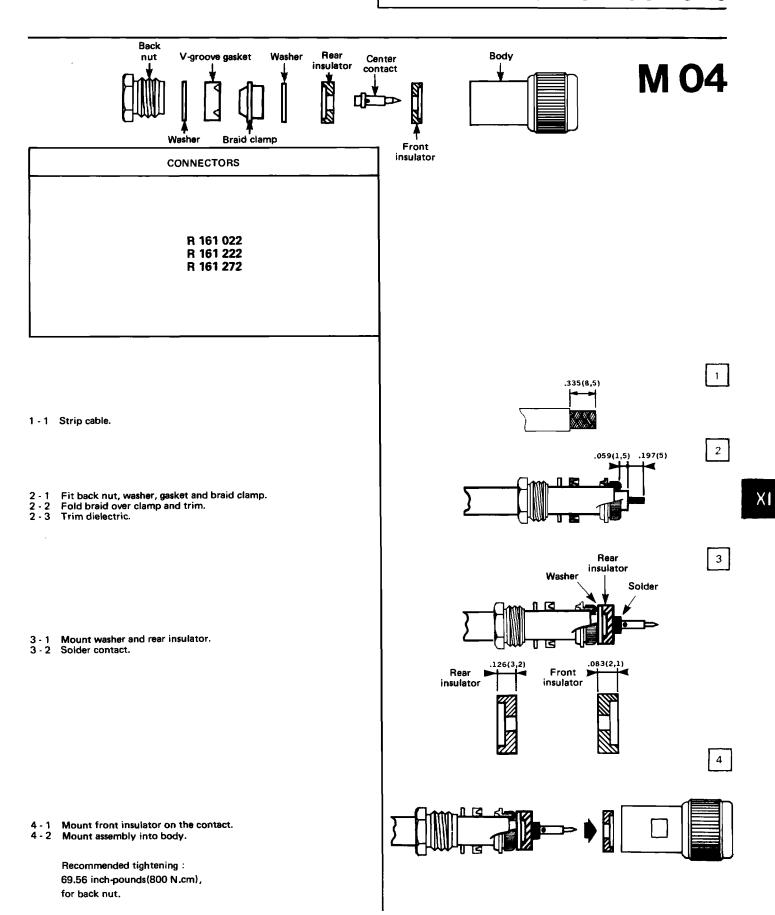


- Fit back nut, washer, gasket and braid clamp. Fold braid over clamp and trim.
- 2 2
- Trim dielectric.

NOTE : For air-spaced cables type RG 62 A/V, reduce dimension «b» by .039(1 mm). Push the insulating spacer into the dielectric.



- Solder contact.
- Mount assembly into body.

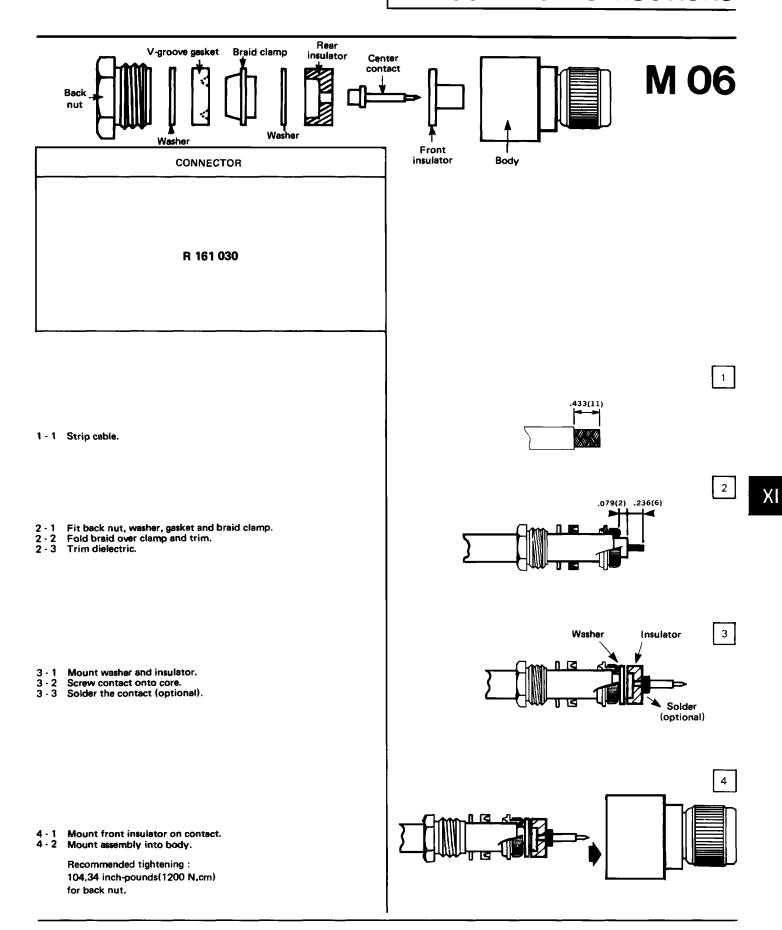


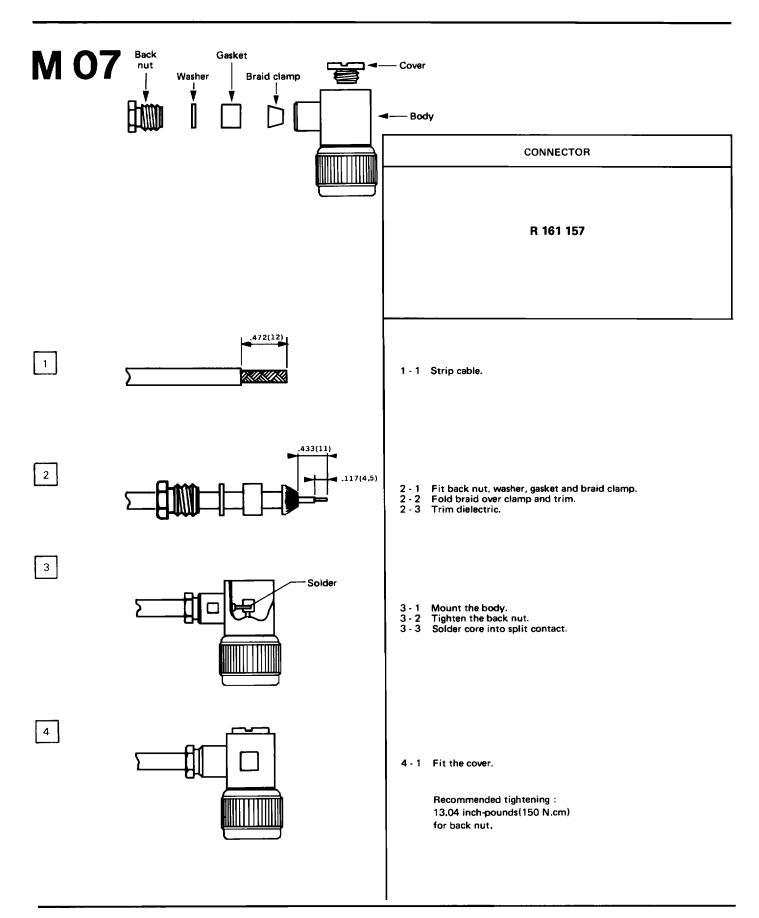


Back Body Washer Insulator V-groove gasket Center **M05** contact clamp CONNECTOR R 161 010 $\lceil 1 \rceil$ 1 - 1 Strip cable. 2 18(3) .197(5) 2 - 1 Fit back nut, washer, gasket and braid clamp. 2 - 2 Fold braid over clamp and trim. 2 - 3 Trim dielectric. 3 insulator Washer 3 - 1 Mount washer and insulator.3 - 2 Solder contact. 4 4 - 1 Mount assembly into body.

Recommended tightening: 39.13 inch-pounds(450 N.cm)

for back nut





3

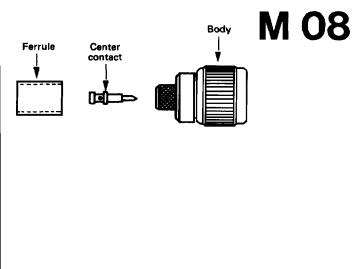
CONNECTORS	Mounting Inst.	TOOLING
R 161 075 R 161 076 R 161 088 R 161 185 R 161 187	M08A M08B M08A M08A M08A	RADIALL crimp tool R 282 231 Hex100(2,54) and .415(10,54) or crimp tool R 282 240 Buchanan 613 648 + Dies R 282 245 Buchanan 613 148
R 161 082 R 161 083	M08C M08C	RADIALL crimp tool R 282 223 Hex068(1,73) and .213(5,41) or crimp tool R 282 240 Buchanan 612 648 + Dies R 282 242 Buchanan 612 700

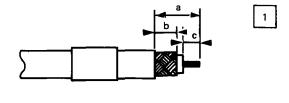
	а	Ь	С
A80 M	.610(15,5)	.315(8)	.217(5,5)
M 08B	.689(17,5)	.374(9,5)	.197(5)
M 08C	.571(14,5)	.256(6,5)	.118(3)

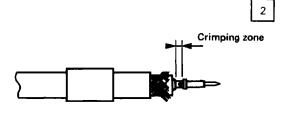
1 - 1 Slide the ferrule onto the cable.1 - 2 Strip cable.

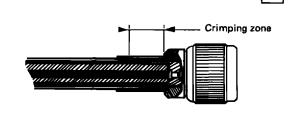
2 - 1 Crimp the contact.2 - 2 Spread out the braid.

3 - 1 Slide the body under the braid.3 - 2 Crimp the ferrule.



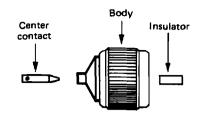


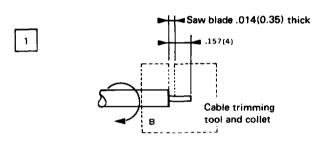


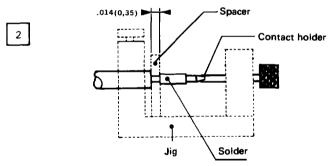


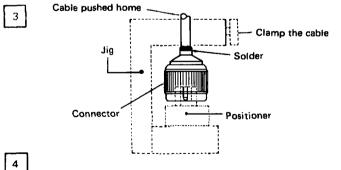


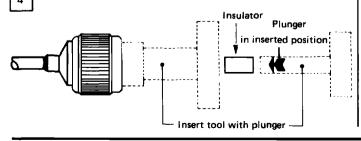
M09











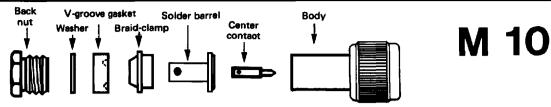
CONNECTOR	TOOLING				
R 161 051	Tool kit R 282 125 Stripping tool Soldering jig Solder gauge Contact positioner Body positioner Insert tool	Item 24B 11 62 127 124 37	Part number 730.20.113 730.15.022 730.15.170 730.40.006 730.40.007 730.25.008		
	Plunger 100 or 250 w soldering	ng tweesers			

- Fully insert cable into side B of stripping tool. in a butting position.
- Cut outer conductor and dielectric by rotating the cable. 1.2
- Check that the cable has not been damaged.
- Fit cable into soldering jig.

 Mount contact and cable as shown.
- Solder the contact.

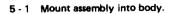
- Once cooled, dismantle the assembly.
- Mount connector into positioner.
- Feed cable through connector until stopped by body positioner and tighten cable.
- Put three solder rings around cable and solder body to cable.

- Once cooled, dismantle the assembly. Screw the insert tool into the connector and fit the insulator by means of the plunger.

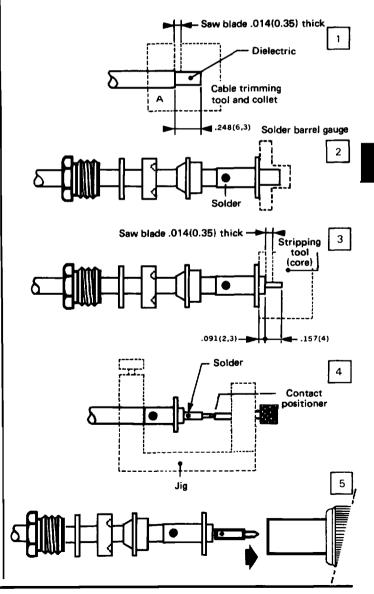


CONNECTOR	TOOLING			CONNECTORS	TOOLING		
	Tool kit R 282 125				Tool kit R 282 125		_
		Item	Part number	1		Item	Part numbe
	Stripping tool cable	24A	730.20.113		Stripping tool cable	24A	730.20.113
	'' *			R 161 277			
R 161 052	Solder barrel gauge	121	730.40.010		Solder barrel gauge	121	730.40.010
n 101 002				R 161 323			
	Stripping tool core	22A	730.20.093		Stripping tool core	22A	730.20.093
	Soldering jig	11	730.15.022		Soldering jig	11	730.15.022
	Contact positioner	127	730.40.006		Contact positioner	126	730,40.005

- 1 1 Fully insert cable into side A of the cable stripping tool, in a butting position.
- 1 2 Cut outer conductor by rotating the cable.
- 2 1 Fit back nut, washer, gasket, braid clamp and solder barrel.
- 2 2 Position solder barrel flush against solder barrel gauge and solder to the cable.
- 3 1 Once cooled, remove the solder barrel gauge.
- 3 2 Fit the assembly in the core stripping tool and cut the dielectric by rotating the cable.
- 4 1 Fit the assembly into the soldering jig.
- 4 2 Solder the contact.



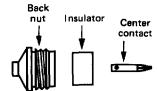
Recommended tightening: 39.13 inch-pounds(450 N.cm) for back nut

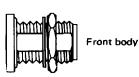




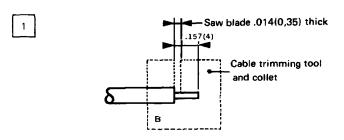
M 11

2

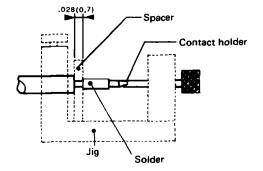




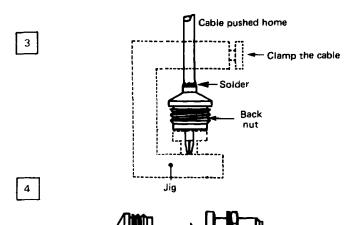
CONNECTOR	TOOLING				
	Tool kit R 282 125				
		Item	Part number		
	Stripping tool	24B	730.20.113		
	Soldering jig	11	730.15.022		
R 161 336	Solder gauge	64	730.15.180		
	Contact positioner	126	730.40.005		
	Solder barrel gauge	121	730.40.010		
	100 or 250 W solderi	ng tweesers			
		-			



- 1 1 Fully insert cable into side B of stripping tool, in a butting position.
- 1 2 Cut outer conductor and dielectric by rotating the cable.
- 1 3 Check that the cable has not been damaged.



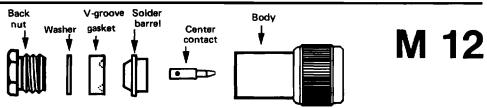
- 2 1 Fit cable into soldering jig.
 2 2 Mount contact and cable as shown.
 2 3 Solder the contact.



- Once cooled, dismantle.
- 3 2 Mount rear body and body positioner onto the assembly and tighten the cable flush against the positioner.
 3 3 Put three solder rings around cable and solder body to cable.

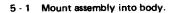
- Once cooled, dismantle.
- Mount insulator onto contact.
- Mount assembly into front body.



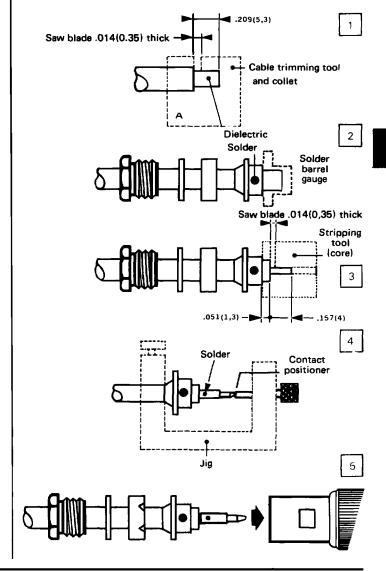


CONNECTOR	TOOLING			CONNECTOR	TOOLING		
	Tool kit R 282 125				Tool kit R 282 125		<u> </u>
		item	Part number			Item	Part numbe
	Stripping tool cable	23A	730.20.103	,	Stripping tool cable	23A	730.20.103
R 161 053	Solder barrel gauge	122	730.40.011	R 161 278	Solder barrel gauge	122	730.40.011
	Stripping tool core	25A	730.20.123		Stripping tool core	25A	730,20.123
	Soldering jig	11	730.15.022		Soldering jig	11	730.15.022
	Contact positioner	127	730.40.006		Contact positioner	126	730.40.009

- Fully insert cable into side A of stripping tool, in a butting position.
- 1 2 Cut outer conductor by rotating the cable.
- 2 1 Fit back nut, washer, gasket and solder barrel.2 2 Position solder barrel flush against solder barrel
- gauge and solder to the cable.
- Once cooled, remove the solder barrel gauge. Fit the assembly in the core stripping tool and cut the dielectric by rotating the cable.
- Fit the assembly into the soldering jig.
- Solder the contact.



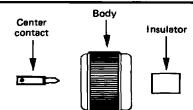
Recommended tightening: 39.13 inch-pounds(450 N.cm) for back nut.



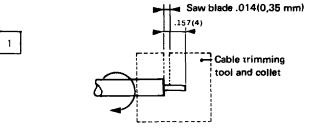


M 13

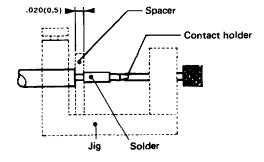
2



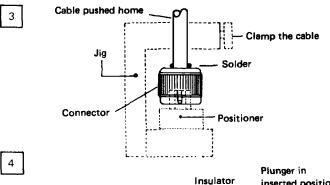
	Tool kit R 282 125		
	1	Item	Part number
	Stripping tool	23B	730.20.103
	Soldering jig	11	730,15,022
R 161 054	Solder gauge	63	730.15.190
	Contact positioner	127	730.40.006
	Body positioner	123	730.40.008
	Insert tool Plunger 100 or 250 W solderi	36	730.25.007



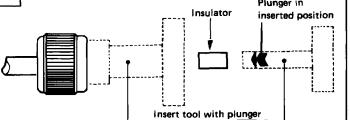
- 1 1 Fully insert cable into side B of stripping tool, in a butting position.
- Cut outer conductor and dielectric by rotating the cable.
- 1 3 Check that the cable has not been damaged.



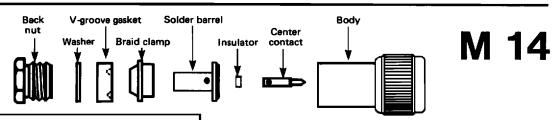
- Fit cable in soldering jig. Mount contact and cable as shown. Solder the contact. 2 - 1 2 - 2 2 - 3



- Once cooled, dismantle the assembly. Mount connector into positioner.
- Feed cable through connector until stopped by body
- positioner and tighten cable.
 Put three solder rings around cable and solder body to cable.



- Once cooled, dismantle the assembly.
- Screw the insert tool into the connector and fit the insulator by means of the plunger.

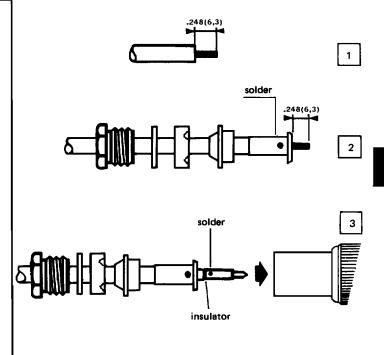


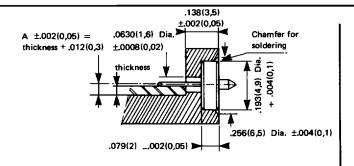
CONNECTOR

R 161 050

- 1 1 Strip outer conductor and trim dielectric.
- Fit back nut, washer, gasket and braid clamp.
- Solder the solder barrel.
- Mount insulator.
- Solder contact.
- 3 · 2 3 · 3 Mount assembly into body.

Recommended tightening: 39.13 inch-pounds(450 N.cm) for back nut.





R 280 940

insulator ceramic

thickness : .025(0,635 mm)

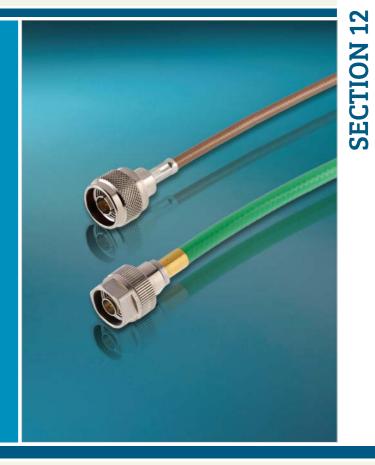
Dielectric constant .386(9,8 mm) Stripline gold

width: .025(0,635mm)

Ground plane gold







N / Composite N / N 18 GHz

R161 / R162 / R163

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Contents	
Introduction	12-4 to 12-5
N 50Ω and Composite N	
Interface	12-6
Characteristics	12-8 to 12-9
ECO N characteristics	12-9
Plugs	12-12 to 12-14
Jacks	12-14 to 12-17
Receptacles	12-17 to 12-20
Composite N receptacle	12-19
Adapters	12-21
Caps	12-21
Accessories	12-21
N 18 GHz	
Interface	12-6 to 12-7
Characteristics	12-10
Plugs	12-22
Jacks	12-22
Adapters	12-22
Ν 75Ω	
Interface	12-7
Characteristics	12-11
Plugs	12-23
Jacks	12-23
Receptacles	12-24
Adapters	12-24
Panel drilling	12-25



Introduction



50Ω	DC - 11 GHz (standard N) DC - 18 GHz (N 18 GHz)
75Ω	DC - 1.5 GHz

GENERAL

- · Standard coaxial connectors
- · Screw-on coupling
- · High durability and proven strength
- · High power rating
- Excellent RF performance

APPLICATIONS

- · Wireless communications
- · Civil and military radio-telecommunication equipment
- Countermeasure
- Navy equipment
- Industrial applications

APPLICABLE STANDARDS

- MIL-C-39012 / MIL STD 348-304
- CEI 169-16
- CECC 22210
- NF-C-93566
- DS 8811

COMPOSITE RECEPTACLES

Radiall introduces its new composite N receptacles. Composite N connectors offer outstanding electrical performance and are the best compromise in terms of weight, cost and mechanical characteristics to replace existing brass technology.

Features and benefits Intermateable with

standard N connectors for backward compatibility

Evenly distributed contact pressure

for a better intermodulation

Composite material

to remove any potential corrosion in outdoor applications

Color coding, optional

Light material for weight saving for cost sensitive equipments

Best material selection for outstanding torque resistance

Many center contact options available for an easy adaptation to customers application

POWER SWITCHING CONNECTORS

It's a "two in one" solution replacing the existing standard RF switches by integrating the switch function into a receptacle connector. This solution provides a unique means of switching between two RF

is mechanically activated by mating and unmating



Main advantages

- Reliable
- · Increases the density
- · Excellent electrical and mechanical performances
- · Reduction of the cost of ownership
- Betty RF adaptation
- Good isolation
- Available in right or left versions

Main applications

- Telecom applications
- RF power amplifiers



Introduction

Radiall offers a wide range with a standard plating finish:

BBR (Bright Bronze Radiall) = high performance non magnetic alloy

FULL CRIMP MODELS

A fast and reliable attachment system that can be easily achieved in a field environment, with minimum easy-to-use tooling (including models for 2 and 2.6 mm dia cables). All our full crimp connectors are single piece body

LOW INTERMODULATION CONNECTORS

Radiall maintains extensive knowledge in this field and has developed N series connectors that are specially designed for base stations of applications where the elimination of intermodulation products is of the utmost importance:

- optimized for 900 1800 MHz bands (and able to work up to 11 GHz like the standard models),
- IMP₃ performance = -110 dBm (- 153 dBc),
- new models for corrugated and low loss flexible cables,
- high performance non magnetic materials and platings (silver and BBR),
- new 6 flats coupling nut (18 mm), allowing high coupling torque [170 Ncm] thanks to torque wrench,
- non slotted outer contact



• 18 GHz PRECISION CONNECTORS

Suitable for medium to high power applications and precision microwave test equipment. Long life duration and enhanced electrical performance in severe environmental conditions. N18 series mate with all 50 ohms N connectors

VERY LOW INTERMODULATION CABLE ASSEMBLIES

For severe intermodulation conditions, we propose a range of low intermodulation cable assemblies IMP3 \leq 125 dBm

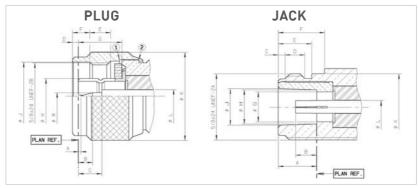
For further details, please read our:

- Intermodulation application guide (D1 032 DE)
- BBR plating application guide (D1 030 DE)

IMPORTANT: the 50Ω and the 75Ω connectors are **NOT INTERMATEABLE**, resulting in the interface destruction.



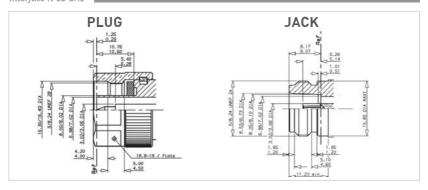
Interface N 50 Ω



	m	ım	inch			
LETTER	min.	max.	min.	max.		
А	0.13	1.03	.005	.13		
В	2.80	3.56	.110	.140		
C	5.33	5.83	.210	.229		
D	1	2	.016	.066		
E	4.54	5.39	.179	.212		
F	4.05	4.20	.159	.165		
G	10.23	10.43	.403	.411		
H DIA	8.27	8.37	.326	.329		
JDIA	16.1	16.2	.634	.638		
K DIA	20.9	21	.823	.827		
L DIA	3.01	3.05	.118	.120		
M DIA	1.63	1.67	.064	.066		

LETTER	m	m	inch			
LETTER	min.	max.	min.	max.		
Α	9.05	9.19	.356	.362		
В	4.75	5.25	.187	.207		
C	1.20	1.95	.047	.077		
D	4.4	5.1	.173	.201		
E	6.8	9	.268	.354		
F	10.9	11.2	.429	.441		
G DIA	6.98	7.02	.275	.276		
H DIA	8.03	8.13	.316	.320		
J DIA	8,53	8.73	.336	.344		
K DIA	15.65	15.85	.616	.624		
L DIA	3,01	3.05	.118	.120		

Interface N 18 GHz



IMPORTANT: the 50Ω and the 75Ω connectors are NOT INTERMATEABLE, resulting in the interface destruction.



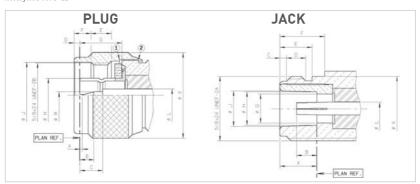
Inter	face	N	18	GHZ
-------	------	---	----	-----

LETTER	mm	inch
	0.29	.0114
	1.25	.049
	3.02	.1189
	3.06	.1204
	4.00	.157
	4.20	.165
	4,50	.177
	5.00	.197
	5.28	.208
	5.40	.2126
	6.98	.2748
	7.02	.2764
	8,00	.315
	8.02	.316
	10.60	.417
	10.76	.423
	16.30	.642
	16.40	.646
	18.80	.740
	10.00	7/0

LETTER	mm	lncn
	0.51	.020
	1.01	.0397
	1.20	.0472
	1.95	.0767
	3,02	.1189
	3.06	.1204
	4.60	.1811
	5.10	.201
	5.14	.202
	5.26	.207
	6.98	.2748
	7.02	.2764
	8.05	.317
	8.10	.319
	8.53	.336
	8.73	.3437
	9.07	.357
	9.17	.361
	11.23	.442
	15.85	.624

Mating dimensions are MIL-C-39012 nominal with tighter tolerances and solid outer contact.

Interface N75 Ω



LETTER	m	m	in	ch	
LETTER	min.	max.	min.	max.	
А	0.13	1.03	.005	.13	
В	2.80	3.56	.110	.140	
С	5.33	5.83	.210	.230	
D	1	2	.016	.066	
Е	4.54	5.39	.179	.212	
F	4.05	4.20	.159	.165	
G	10.23	10.43	.403	.411	
H DIA	8.27	8.37	.326	.329	
J DIA	16.1	16.2	.634	.638	
K DIA	20.9	21	.823	.827	
L DIA	1.96	2	.077	.079	
M DIA	0.87	0.91	.034	.036	

LETTER	m	ım	inch			
LETTER	min.	max.	min.	max.		
A	9.05	9.19	.356	.362		
В	4.75	5.25	.187	.207		
C	1.20	1.95	.047	.077		
D	4.4	5.1	.173	.201		
E	6.8	9	.268	.354		
F	10.9	11.2	.429	.441		
G DIA	6.98	7.02	.275	.276		
H DIA	8.03	8.13	.316	.320		
J DIA	8.53	8.73	.336	.344		
K DIA	15.65	15.85	.616	.624		
L DIA	1.96	2	.077	.079		

IMPORTANT: the 50Ω and the 75Ω connectors are NOT INTERMATEABLE, resulting in the interface destruction.



^{*}statistics dimensions: ,0539 ,0055 (,0594 max)/(1,37 0,14)[1,51 max] 1] Coupling nut against on datum 1 2) Coupling nut against on datum 2

Characteristics Test/characteristics

Standard reference		vuiues/	remarks		
	50Ω				
		DC -	11 GHz		
	1 GHz 1.03 1.03 1.03 1.05 1.04 1.04	2.5 GHz 1.03 1.05 1.03 1.06 1.05 1.05	5 GHz 1.05 1.05 1.05 1.1 1.09 1.18 1.20	11 GH: 1.08 1.08 1.07 1.16 1.2	
	- 90 dBm typ. (= 133 dBc typ. / 20W) - 110 dBm typ. (= 153 dBc typ. / 20W) - 125 dBm typ. (= 165 dBc typ. / 20W)				
MIL	< 0.15 dB max at 10 GHz ~ < 0.05 VF [GHz] < 0.15 dB max at 10 GHz ~ < 0.1 VF [GHz]				
MIL	-90 dB min from 2 to 3 GHz (interface)				
MIL		5000 l	MΩ min		
MIL	Initial After tests 1 mΩ 1.5 mΩ 0.2 mΩ -				
CECC	Cable 5/50: 850 [250] Cable .0857.141": 350 [250] Cable 104-11/50: 1400 [400] Cable LMR &00/600: 1400 [400] Cable LMR &00/600: 1400 [400]			j 1 1	
CECC	Cable .0 Cable 11 Cable Li	085"/.141": 0/50: MR 400/600:	1000 (350 2500 (600 2500 (600)]]	
CECC		1500 VRMS (5	MHz sine wave)		
	MIL MIL MIL CECC	MIL (CECC Cable 1. Cable 2. Cable 2. Cable 2. Cable 2. Cable 2. Cable 2. Cable 3. Cable 3. Cable 3. Cable 3. Cable 3. Cable 4. Cable 4. Cable 4. Cable 4. Cable 5. Cable 5. Cable 6. Ca	1 GHz	SOO DC - 11 GHz	

MECHANICAL CHARACTERISTICS

Durability	CECC	500 matings 6.6 Ncm max L58 Inch- pounds] 40 to 60 Ncm [manual] 130 Ncm [11.45 inch pounds] [with pliers R 282 202 000] 170 Ncm [14.96 inch pounds] [with torque wrench R 282 303 020]			
Engagement and separation torque	CECC				
Recommended coupling nut torque					
Proof torque	CECC				
Coupling nut retention force	CECC	450 N (101.25 Lbs)			
Cable retention force	CECC	Cable 5/50/5 150N 133.75 Lbsl Cable 5/50/D 200N [48 Lbs] Cable 10/50 300N [67.5 Lbs] Cable 11/50 400N [90 Lbs] Cable 141" 270N [60.75 Lbs]			
Center contact retention force axial	MIL	27 N (6.08 Lbs) cables < Ø 8 mm 68 N (15.30 Lbs) cables > Ø 8 mm			

Standard packaging = 50 pieces.



Differential pressure 100 to 110 KPa: 1 bar cm3 / H

	h	0	v	0	-	ŀη	vi	ic	ŧi	CS
U	ı	и	ı	и	c	LE	11	2	u	CJ

t/characteristics	Standard reference	Values/remarks
, critical decer latera	Stational of February	Value of Citation
IRONMENTAL CHARACTERI	STICS	
mperature range standard models semi-rigid cables	CECC	- 55°C + 155°C - 55°C + 105°C
hermo cycling test	CECC	- 55°C/+ 155°C/21 j
hermal shock	CECC	- 40°C/+ 155°C or - 40°C/+ 85°C - 5 cycles
ligh temperature test	CECC	125°C/1000 H
prrosion salt spray	CECC	48 H
bration	CECC	Sinus 10g/10 = 500 Hz
nock	CECC	1/2 Sinus 50g/11 ms
oisture resistance clamp type crimp type	IEC 529	IP 67 IP 65 (with heatshrink sleeve)
Iermetic test	CECC	10 ⁻⁶ bar. cm ³ /s

Leakage MATERIALS

Body / nut / center male contact / outer contact	Brass
Center female contact	Treated beryllium copper
Ferrule	Brass
Insulator	PTFE
Gasket	Silicon elastomer

PLATING

	Standard	Intermodulation models + COAXI-KIT		
Body crimp + clamp type solder type	BBR Gold	Silver + BBR Silver		
Coupling nut/Design	BBR/cross knurled	BBR/hex.		
Center contacts	Gold	Silver		
Outer contacts/Design	BBR/slotted	Silver + BBR/non slotted		

Characteristics ECO N

ELECTRICAL AND MECHANICAL CHARACTERISTICS

Impedance	50Ω
Frequency range	DC - 6 GHz
Typical VSWR (straight models)	1.2 at 6 GHz
Temperature range	- 40°C/+ 85°C
Durability	100 mating cycles

MATERIALS AND PLATING

Component	Materials	Platings	
Connector body	Brass	BBR	
Insulator	PTFE / Polypropylene		
Female center contact	Bronze	Center contact Gold 0.1 µm (typical)	
Outer contact	Brass	BBR	

PACKAGING

Packaging	50 pieces bulk Unit packaging

Some connectors may feature different performances depending on the application they have been designed for, or according to the applicable cable.



Characteristics _____

CTRICAL CHARACTERISTICS			
mpedance	50		
Frequency range	DC - 1		
Typical V.S.W.R. straight connector right angle connector	With SHF cables 1.10 at 18 GHz 1.15 at 18 GHz		
Insertion loss	< 0.1 √F I	GHz) dB	
RF Leakage	- 90 dB [2	to 3 GHz]	
Insulation resistance	5000 №		
Contact resistance outer contact inner contact	After environment test 2 mΩ max N.A.	Initial 1.5 mΩ max 2 mΩ max	
Peak power (at sea level)	5000 W		
Average power (at sea level, 25°C)	2000 W at 0,1 GHz 600 W at 1 GHz 150 W at 10 GHz		
	.085" semi-rigid cable	.141" semi-rigid cable	
Dielectric withstanding voltage at sea level at 70 000 feet	1 000 Vrms 250 Vrms	1500 Vrms 375 Vrms	
Voltage rating at sea level at 70 000 feet	335 Vrms 85 Vrms	500 Vrms 125 Vrms	

MECHANICAL CHARACTERISTICS

at 70 000 feet
RF high potential withstanding voltage

Durability	500 m	500 matings			
Cable retention force	136 N (31 lbf) 272 N (61 lbf)				
Recommended coupling torque	160 Ncm (14 lbf.in)				
Contact captivation	27 Ncm [61bf] min				

670 Vrms

250 Vrms

ENVIRONMENTAL CHARACTERISTICS

Temperature range	Standard connectors - 65°C + 165°C	Connectors for semi-rigid cable - 40°C + 125°C			
Vibration	MIL-STD-1344 Method 2005 Condition 4				
Shock	MIL-STD-1344 Method 2004 Condition G				
Thermal shock	MIL-STD-1344 Method 1003 Condition A				
Corrosion (salt mist)	MIL-STD-1344 Method 1001 Condition B				
High temperature test	CECC 22000/4.7.2				
Damp heat	CECC 22000/4.6.6				
Low pressure immersion	EN2591 AECMA TestC14				
Resistance to fluids contamination	EN2591 AECMA TestC15				

MATERIALS

Corona level

Body	Stainless steel		
Center contact	Beryllium copper and brass		
Coupling nut	Brass		
Insulator	PTFE or polyetherimid resin		
Gasket	Fluorositicon or fluorocarbon		

PLATING

Body	Passivated
Center contact	Gold
Coupling nut	Nickel



1000 Vrms

375 Vrms

1500 VRMS [5 MHz sine wave]

-								
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est/characteristics	Standard reference	Value	s/remarks		
CTRICAL CHARACTERISTICS	5				
mpedance			75Ω		
requency range		DC -	1.5 GHz		
ypical V.S.W.R. Cable 6/75 Cable 10+11/75		1.06 1.10			
nsertion loss straight connector right-angle connector	MIL	< 0,15 dB			
RF Leakage	MIL	- 90 dB r	min at 1 GHz		
nsulation resistance	MIL	5000	MΩ min		
Contact resistance center contact outer contact	MIL	Initial 1 mΩ 0.2 mΩ	After tests 1.5 mΩ		
Working voltage in VRMS at sea level (at 70 000 feet)	CECC	Cable 10+11/75: Cable 6/75:	1400 (400) 850 (250)		
Dielectric withstanding voltage in VRMS at sea level (at 70 000 feet)	CECC	Cable 10+11/75: Cable 6/75:	2500 [600] 1500 [350]		

MECHANICAL CHARACTERISTICS

sea level

RF testing voltage

dining dininidization	,	
Durability	CECC	500 matings
Engagement and separation torque	CECC	6.6 Ncm max (.58 Inch-pounds)
Recommended coupling nut torque	CECC	40 to 60 Ncm (manual) 130 Ncm (11.45 inch pounds) (with pliers R282 202 000)
Proof torque	CECC	170 Ncm (14.96 inch pounds)
Coupling nut retention force	CECC	450 N (101.25 Lbs)
Cable retention force cable 6/75 cable 10+11/75	CECC	200 N 300 N
Center contact retention force axial	MIL	27 N (6,08 Lbs)

ENVIRONMENTAL CHARACTERISTICS

Temperature range	CECC	- 55°C + 155°C
Thermo cycling test	CECC	- 55°C / + 155°C / 21 j
Thermal shock	CECC	-40°C / + 155°C or -40°C / + 85°C - 5 cycles
Hight temperature test	CECC	125°C / 1000 H
Corrosion salt spray	CECC	48 H
Vibration	CECC	Sinus 10 g / 10 = 500 Hz
Shock	CECC	1/2 Sinus 50g / 11 ms
Moisture resistance clamp type crimp type	IEC 529	IP 67 IP 65 (with heatshrink sleeve)
Hermetic test	CECC	10-5 bar. cm ³ /s
Leakage	CECC	Differential pressure 100 to 110 KPa: 1 bar cm3 / H

MATERIALS

Body (nut)/center male contact/outer contact)	Brass
Center female contact	Treated beryllium copper
Ferrule	Brass
Insulator	PTFE
Gasket	Silicon elastomer

PLATING

Body	BBR
Coupling nut/design	BBR/cross knurled
Center contact	Gold
Outer contact/design	BBR/slotted

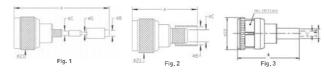
Standard packaging = 50 pieces



Plugs ____

STRAIGHT PLUGS, FULL CRIMP TYPE, FOR FLEXIBLE CABLES (single piece body)

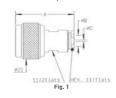


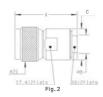


Cable group	Cable group	Part number	Fig.	D	imensi	ons (mr	n)	Captive center	Note
Cubie group	dia.	Part number	rtg.	Α	B dia.	C dia.	D dia.	contact	Note
RG174/RG316/RD316/AEP- 100FR	2.6/50/S+D & LMR® 100	R161 072 000	1	39.7	3.25	3.38	1.63	yes	
RG58/R141	5/50/S	R161 082 000			5,41			yes	
KG36/K141	3/30/5	R161A 082 000	2	38.5	3,41			yes	ECO version
		R161 083 000				3.11		yes	
RG142/RG223/RG400	5/50/D	R161A 083 000		30.5	5.8	3.11			ECO version
RG142/RG223/RG400	R161 083 137 3 38.5			5.0		yes	For intermodulation application tool		
20040	R161 075 000 40.2				yes				
RG213	10/50/S	R161A 075 000		37.2	11.05				ECO version
	10.3/50/5	R161 075 060	2	10.0		7.46		yes	LMR 400 cable
		R161 088 000		40.2				yes	
0.004	a a fro In	R161A 088 000		37					ECO version
RG214	11/50/D	R161 088 137	3	40.2	11,4			yes	For intermodulation application tool
AEP-195FR	LMR® 195	R161 082 120	4	38.5	5.41	3.11	1.05	yes	Crimp type
AEP-200FR	LMR® 200	R161 082 200	2	38.5	5.41	3.11	-	yes	Crimp type
AEP-240FR	LMR® 240	R161 075 030	4	38.5	6.6	4.04	1,5	yes	Crimp type
AEP-400FR	LMR® 400	R161 088 180	4	40.1	11.1	7.46	2.82	yes	Crimp type
AEP-600FR	LMR® 600		4	49	15,875	11.96	4.7	ves	Crimp type

STRAIGHT PLUGS, CLAMP TYPE, FOR FLEXIBLE CABLES







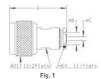
Cable group	C-1-1 di-	Part number	Fig.	Dim	ensions (mm)	Captive center contact
Cable group	Cable group dia.	Part number	Fig.	Α	B dia.	C dia.	Captive center contact
RG174/RG316/RD316	2.6/50/S+D	R161 004 000		33.9	3.1	1.7	yes
RG58/RG141/RG142/	5/50/S+D	R161 006 000		34.4	5.6		no
RG223/RG400	3/30/3+D	R161 010 000		34.9	5.6		yes
RG59/RG62/RG71	6/75+93	R161 012 000		34.4	6.6		
Donas (Donas (Dosas (Dosas)		R161 018 000		44	11.2	17.5	
RG213/RG393/RG11/RG12/ RG144/RG214/RG216	10+11/50+75	R161 020 000		38.1	11.2	17.5	no
KG144/KG214/KG216		R161 022 000		38.9	11.2	19	yes
RG217	14/50/D	R161 027 000		40.9	14.4	22.2	



Plugs ____

STRAIGHT PLUGS, FOR SEMI-RIGID CABLES







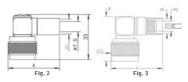


Cable group	Cable group	Part number	Fig.	Dim	ensions (mm)	Captive center	Note
	dia.		Fig.	Α	B dia.	C dia.	contact	Note
RG405	.085"	R161 050 300	2 2//	2 2//				Solder type
RG402	.141"	R161 051 000	3	24.4	3.65			Solder type
RG4UZ	.141	R161 052 000	1	35	5.6	3.65		Clamp type
DO/01	.250"	R161 053 000	1	35.4	6.6		no	Clamp type
RG401	.∠50	R161 054 000	2	24.4	6.45			Solder type

RIGHT ANGLE PLUGS, CRIMP TYPE, FOR FLEXIBLE CABLES







Cable group	Cable group dia.	Part number	Fig.	D	imensi	ons (mr	n)	Captive center	Note	
Cable group	Cable group ala.	Part number	rig.	Α	В	C dia.	D dia.	contact	Note	
RG174/RG316	2.6/50/S	R161 181 000		29.5	26.3					
RG58/RG141	5/50/5	R161 182 000			28	5.41		yes		
RU38/RU141	3/30/5	R161A 182 000	1	34.5	28.5		3.1		EC0 version	
RG142/RG223/RG400	5/50/D	R161 183 000		34.3	28	5.8	3.1			
RG142/RG223/RG400	3/30/0	R161A 183 000			20	3.0		yes	EC0 version	
RG223	10/50/S	R161A 184 000	1	32.8	35.2		7.4		ECU Version	
RUZZO	10/30/3	R161 185 000	3	42.4	33.2	11.05	7.46		Full crimp	
		R161 186 000	2	37.6		11.4		yes		
RG214	11/50/D	R161A 186 000		33					EC0 version	
		R161 187 000	3	42.4	33.2	11.4	7.46	yes	Full crimp	
AEP-200FR	LMR® 200	R161 182 080	4	26.3	22	5.55	3.25	yes	Crimp type	
AEP-240FR	LMR ^e 240	R161 183 310	4	26.3	24	6.6	4.05	yes	Crimp type	
AEP-400FR	LMR [≪] 400	R161 184 080	4	27	33	11.05	7.46	yes	Crimp type	
AEP-600FR	LMR [®] 600	R161 188 200	4	31.7	39.1	15.88	11.96	yes	Crimp type	

RIGHT ANGLE PLUGS, CLAMP TYPE, FOR FLEXIBLE CABLES



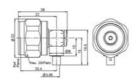


Cable aroun	Cable group Part number Fig.		Dim	ensions (mm)	Captive center	
enote group	dia.	T WITE TRAINING	1 (9)	A	В	C dia.	contact
RG223/RG142/RG223/RG400	5/50/S+D	R161 157 000	1	32	32	5.6	yes
RG213/RG393/RG214	10+11/50/S+D	R161 168 000	2	34.85	49.4	11.2	yes

Plugs and jacks

RIGHT ANGLE PLUG, SOLDER TYPE, FOR SEMI-RIGID CABLES





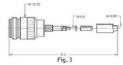
Cable group	Cable group dia.	Part number	Captive center contact
RG402	.141"	R161 152 107	yes

STRAIGHT JACKS, FULL CRIMP TYPE, FOR FLEXIBLE CABLES (single piece body)





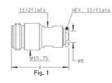


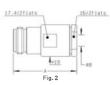


Cable group	Cable group	Part number	Fig.	Dim	ensions (Captive center	
Cubie group	dia.	Purt number	rt number - rig.		B dia.	C dia.	contact
RG174/RG216/RD316	2.6/50/S+D	R161 236 000	3				
RG58/RG141	5/50/S	R161 237 000	1	39.3	5.41	3.11	yes
RG142/RG223/RG400	5/50/D	R161 238 000	1	37.3	5.8		
RG223	10/50/S	R161 241 000	2		11.05	7.46	
RG214	11/50/D	R161 243 000		40.6	11.4		

STRAIGHT JACKS, CLAMP TYPE, FOR FLEXIBLE CABLES





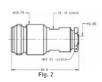


Cable group	Cable group dia.	Part number	Fig.	Dimensio	ons (mm)	Captive center
Cubie group	Cable group ala.	Part namber	rty.	A	B dia.	contact
RG223/RG142/RG223/RG400	5/50/S+D	R161 206 000	1	35.3	5.6	yes
RG213/RG393/RG214	10+11/50/S+D	R161 220 000	2	39.3	11.2	yes

STRAIGHT JACKS







Cable group Cable group dia.	Daub serves bass	Part number Fig.		ons (mm)	Captive center	Note		
Cable group	roup Cable group ata.	Part number	rig.	Α	B dia.	contact	Note	
00/02	RG402 .141"	R161 226 020	1	32	3.65	no	Solder type	
RG4UZ		R161 227 000	2				Clamp type	



Jacks 📰

SQUARE FLANGE, STRAIGHT JACKS, FULL CRIMP TYPE, FOR FLEXIBLE CABLES (single piece body)





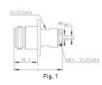


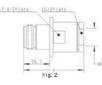
Cable avern	Cable avenue dia	Part number Dimensions (mn		mm)	Captive center	Panel drilling	
Cable group	Cable group dia.	Part number	A B dia. C d		C dia.	contact	
RG178	2/50/S+D	R161 281 000	40.3	2.35	1		
RG174/RG316/RD176	2.6/50/S+D	R161 281 300	40.3	3.25	1.63		
RG58/RG141	5/50/5	R161 282 000	39.3	5.41			P01
RG142/RG223/RG400RG213	5/50/D	R161 283 000	39.3	5.8	3.11	yes	
RG213	10/50/S	R161 286 000	40.6	11.05	7.46	yes	

SQUARE FLANGE, STRAIGHT JACKS

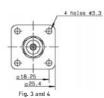














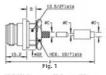


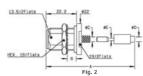
Cable avaus	Cable group	Part number	File	Dim	ensions (mm)	Captive center	Panel	Note
Cable group	dia.	Part number	Fig.	A	B dia.	C dia.	contact	drilling	Note
RG174/RG316/RD316	2.6/50/S + D	R161 252 000		34.3	3.1	1.7			
RG58/RG141/RG142/ RG223/RG400	5/50/S + D	R161 256 000	1	35.4	5.6		yes	P01	Clamp type
RG213/RG393/RG214	10 + 11/50/S + D	R161 270 000	2	39.3	11.2				
RG402	.141"	R161 277 000	3	35.5	5.6	3.65			
RG402	.141	R161 277 300	4	32	3.65		no	P01	Solder type
RG401	.250"	R161 278 000	3	35.9	6.6				Clamp type

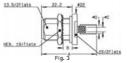
Bulkhead jacks

BULKHEAD STRAIGHT JACKS, FULL CRIMP TYPE, FOR FLEXIBLE CABLES (panel sealed) (single piece body)





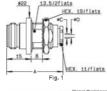


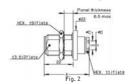


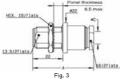
Cable group	Cable group	Part number	Fig.		Dim	ensions (mm)		Captive center contact	Panel	Note
Cable group	dia.	Part number	Fig.	Α	В	C dia.	D dia.	E dia.		drilling	Note
RG174/RG316/	2.6/50/S+D	R161 311 200	1	40.4 6.5	7.5	3,38	3.25	1.63			Front moun
RD316	Z.0/3U/5+D	R161 311 300	2	40.4	0.0	3.38	3.25	1.63			
RG58/RG141	5/50/S	R161 329 000					5.41		yes	P14	Rear mount
RG142/RG223/ RG400	5/50/D	R161 329 200	3	39.8	6.5	3.11	5.8				
RG214	11/50D	R161 331 200	3	40.6	6.5	7.46	11.4				
AEP-200FR	LMR® 200	R161 329 130	3	39.8	6.5	3.11	5.41		yes	P14	Rear moun
AEP-240FR	LMR® 240	R161 329 140	3	37.8	6.5	4.05	6.6		yes	P14	Rear moun
AEP-400FR	LMR* 400	R161 331 060	3	40.6	6.5	7.46	11.05		yes	P14	Rear moun
AEP-600FR	LMR® 600	R161 331 400	4	49.9	6.5	11.96	15,88		ves	P14	

BULKHEAD STRAIGHT JACKS, CLAMP TYPE, FOR FLEXIBLE CABLES (panel sealed)









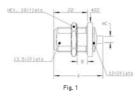
Cable group	Cable group	Part number	Fig.	Dim	ensions (mm)	Captive center	Panel	Note
cable group	dia.		rig.	Α	C dia	D dia	contact	drilling	Note
RG174/RG316/RD316	2.6/50/S+D	R161 321 000	1	34.3	3.1	1.7			Front mount
RG174/RG316/RD316	2.6/50/S+D	R161 322 000	2	34.3	3.1	1.7			Rear mount
RG58/RG141/RG142/ RG223/RG400	5/50/S+D	R161 325 000	2	35.4	5.6		yes	P14	Rear mount
RG213/RG393/RG214	10+11/50/S+D	R161 332 000	3	43	11.2		no		

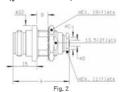


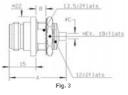
Bulkhead jacks and receptacles

BULKHEAD STRAIGHT JACKS, FOR SEMI-RIGID CABLES (panel sealed)









Cable group	Cable group	Part number	Fig.	D	imensi	ons (mn	n)	Captive center	Panel	Note	
Cable group	dia.	rait number	rig.	ig. A		C dia	D dia	contact	drilling	Note	
RG405	.085"	R161 335 200	1	32	6.5	2.25				Solder type/Rear mount	
		R161 323 000	2	35.5	8	5.6	3.65		P14	Clamp type/Font mount	
RG402	.141"	R161 336 000	1			3,65		no		Solder type/Rear mount	
		R161 336 200	3	32	6.5	3.00				Solder type/Font mount	
RG401	.250"	R161 337 200	1			6.6				Solder type/Rear mount	

LOW PROFILE SQUARE FLANGE, STRAIGHT FEMALE RECEPTACLES





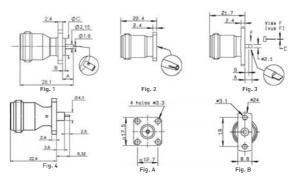


Part number	Din	nensions (n	nm)	Captive center	Panel	Nata	
Part number	Α	B C dia contact		contact	drilling	Note	
R161 410 520	17.9	15	2.9	yes	P11	Extended dielectric	

Receptacles

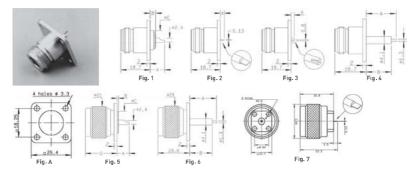
FLANGE, STRAIGHT FEMALE RECEPTACLES





Part number	Fig.	Dir	nensions (r	nm)	Captive center	Panel	Note
ruit number	rig.	Α	В	C	contact	drilling	Note
R161 410 000	1 + A	5.7	1.5	8.9		P03	
R161A 410 000	1 + A	3.7	1.0	6.7	yes	P03	ECO version
R161 410 130	4 + A	6.32	3.8	0.64		P16	Solder pot contact
R161 418 000	2 + A				yes	P03	Universal/see contacts page 12-22
R161 461 000	3 + B	6,2	3.9	0,6	yes	P12	2 hole flange/flat tab contact

STRAIGHT MALE AND FEMALE RECEPTACLES



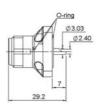
Part number	Fig.	D	imensi	ons (mn	n)	Captive center	Panel	Note
Part number	Fig.	Α	В	C dia	D	contact	drilling	Note
R161 404 000								Solder pot
R161A 404 000	1 + A	9.3	0.8	14.6			P07	Solder pot/ECO version
R161 404 137	1	7.5	0,0	14.0			107	For intermodulation application/ Center contact brass
R161 416 130	4 + A	17.9	15			yes	P09	Extended dielectric
R161 419 020	2 + A	2.5					P10	Flat tab contact
R161 419 300	3 + A	2					P01	Slotted contact
R161 441 000	5 + A	8.7	0.8	14.6	20.6		P02	Male/solder pot
R161 441 400	6 + A	17.9	15				₽06	Male/extended dielectric
R161 438 200	7						P11	

Receptacles |

COMPOSITE FEMALE RECEPTACLES







Part number	Captive center contact	Description	Color	Packaging
R161 404 C01		-		
R161 404 C02	yes	Combination seal	Black	50 pieces
R161 404 C03		Panel seal		

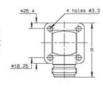
Available upon request.

Processed according to customer needs.

RIGHT ANGLE FEMALE RECEPTACLES





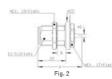


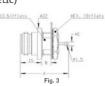
Part number	Din	nensions (n	ım)	Cautius sautau sautast	Panel	Note	
Part number	A	В	C dia	Captive center contact	drilling		
R161 653 000	36.9	34.4	2.5	yes	P02	Solder pot	

BULKHEAD STRAIGHT RECEPTACLES (fully sealed or panel hermetic)







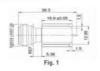


Part number	F1-	Dimensions (mm)		Captive center contact	Panel	Note	
Part number	Fig.	Α	В	C	Captive center contact	drilling	Note
R161 570 000	1	28	4.5	2.4		P13	Front mount
R161 606 000	2	34.6	6.5	2.4		P14	Rear mount/fully sealed
R161A 606 010		34,0	0,0	2.4	yes	P14	Rear mount/fully sealed/ECO version
R161 625 000	3	34	6.5	2,5		P14	Front mount/Panel hermetic

Receptacles |

N SMT SWITCH AND RECEPTACLE



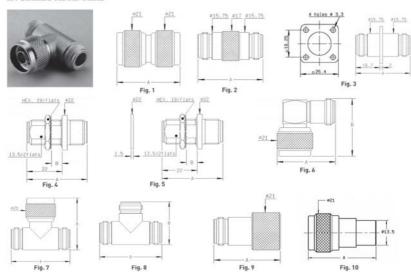




Part number	Fig.	Note	
R161 427 223	1	Edge card female receptacle	
R161 428 223	2	Edge card SMT left type switch	
R161 428 233	- 2	Edge card SMT right type switch	

Adapters |

IN SERIES ADAPTERS



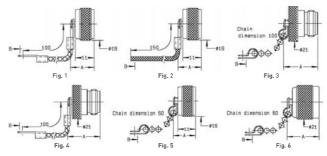
Part number	Fig.	Dimensio	ons (mm)	Panel drilling	Note
Part number	Fig.	A	В	Panet artiting	Note
R161 703 000	1	36.7			Male-Male
R161 705 000	2				Female-Female
R161 715 000	3	37.5		P01	Female-Female/Flange
R161 730 000	4		6.5	P14	Female-Female/Bulkhead panel sealed
R161 753 000	5	38	6.5	P14	Female-Female/Hermetic/bulkhead
R161 771 000	6	34.4	34		Male-Female/Right-angle
R161 780 000	7	42	36.9		TEE Female-Female/Male
R161 782 000	8	42	29.1		TEE Female-Female/Female
R161 791 500	9	37.37			Push-on Male/Female screwing
R161 791 530	10	37.2			Push-on Female/Male screwing



Caps and accessories

PROTECTIVE CAPS



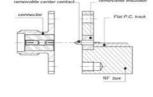


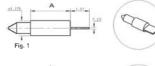
Part number	Fig.	Dimensi	ons (mm)	Note
Part number	rig.	Α	В	Note
R161 804 000	1	13.9	3.8	Male with cord
R161 805 410	2	13.9	2	Male with cord
R161 841 000	3	20.4	3.9	Female with chain
R161 844 000	4	20.4	3.8	Female with cord
R161 853 000	5	13.9	2.0	Male with chain
R161 862 000	6	20.1	3.9	Male short circuit with chain

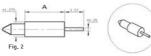
FIELD-REPLACEABLE CONTACTS (for universal receptacle)

These accessories have been specifically designed for the adjustment at the rear of hermetically sealed universal receptacles. The choice of their dimensions depends on the PCB or on the thickness of the MIC box. Moreover these contacts and insulators are also compatible with SMA UNIVERSAL RECEPTACLES.









Part number	Fig.	A	Note	Associated insulator P/N
R280 461 000	1	0.07	Flat tab	R280 468 000
R280 463 000	2	3.37	Cylindrical tab	KZ8U 408 UUU

FIELD-REPLACEABLE INSULATORS



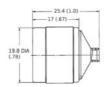


Part number	A	Packaging
R280 468 000	3,17	10

Plugs, jacks and adapters

STRAIGHT PLUGS FOR SEMI-RIGID CABLES





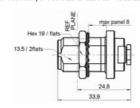
Cable group	Cable group dia.	Part number	Captive center contact	Material	Note
RG402	.141"	4000-1563-009		Stainless steel	Direct solder
RG405	.085"	4000-1563-010	yes	Staintess steet	Direct solder

Note:

N18 GHz plugs for SHF high frequency flexible cable are available as cable assemblies only. Consult us for standard N18 GHz cable assembly part numbers.

BULKHEAD STRAIGHT JACKS, FOR SEMI-RIGID CABLES (panel sealed)





Cable group	Cable group dia.	Part number	Captive center contact	Panel drilling	Material	Note
RG405	.085"	4501-9543-010				
D0.480	4.64"	4501-9543-009	yes	P14	Stainless steel	Solder clamp/ rear mount
RG402	.141"	R163 337 001				real illount

IN SERIES ADAPTERS







Part number	Fig.	Dimension (mm)	Note
R163 703 001	1	53.5 (2.106)	Male-Male
R163 705 001	2	44.5 [1.752]	Female-Female
R163 708 001	3	46.7 [1.838]	Male-Female

Note:

7mm air line adapters also available upon request.



Plugs and jacks

STRAIGHT PLUGS, FOR FLEXIBLE CABLES













Cable group	Cable group dia.	Part number	El-	Dimensions (mm)			Captive center	Note	
Cable group	Cable group ala.	Part number	Fig.	A	B dia	C dia	contact	Note	
RG59/RG62	6/75/S	R162 084 000	1	33.9	6.6	4	yes	Crimp type	
MG37/MG02	6/75+93	R162 012 000	2						
RG6	8/75/D	R162 013 000	3					Clamp type	
RG11/RG12/RG144/ RG216	10+11/75	R162 017 000	4				no	Ctamp type	

STRAIGHT JACKS, CLAMP TYPE, FOR FLEXIBLE CABLES





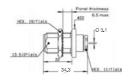




Cable group	Cable group	Part number	F

Cable group	Dart number 1		Dimensions (mm)		Captive center	Panel	Note	
dia.	Part number	Fig.	-tg. A B C	C	contact	drilling	Note	
10+11/75	R162 217 000	1						
6/ 7 5+93/S	R162 262 000	2	34.9	6.6	11	no	P01	Square flange
	dia. 10+11/ 7 5	dia. Part number 10+11/75 R162 217 000	dia. Part number Fig. 10+11/75 R162 217 000 1	dia. Part number Fig. A	dia. Part number Fig. A B 10+11/75 R162 217 000 1	dia. Part number Fig. A B C	dia. Part number Fig. A B C contact 10+11/75 R162 217 000 1	dia. Part number Fig. A B C contact drilling 10+11/75 R162 217 000 1 1 D0 D0

STRAIGHT BULKHEAD JACKS, CLAMP TYPE, FOR FLEXIBLE CABLE (panel seal)



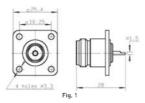
RG179 2.6/75/S R162 322 000 no P14	Cable group	Cable group dia.	Part number	Captive center contact	Panel drilling
	RG179	2.6/75/S	R162 322 000	no	P14

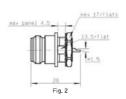


Receptacles and adapters

FEMALE RECEPTACLES







Part number	Fig.	Captive center contact	Panel drilling
R162 403 000	1		P07
R162 570 000	2	yes	P15

IN SERIES ADAPTERS







Part number	Fig.	Captive center contact
R162 703 000	1	
R162 705 000	2	yes

