

NOTE

Numeric cross reference list UG/NF

Chronological list

MIL REF. (UG)	RADIALL CODE	PAGE	NF RÉFÉRENCE	RADIALL CODE	PAGE
UG 88/U	R 141 007	6	KBN 1	R 141 009	6
UG 88 C/U	R 141 008	6			
UG 88 E/U	R 141 009	6			
UG 88 G/U	R 141 010	6			
UG 260/U	R 141 011	6			
UG 260 B/U	R 141 012	6	KBN 11	R 141 013	6
UG 260 D/U	R 141 013	6		R 141 082	10
UG 1785/U	R 141 082	10	KBN 21	R 141 156	7
UG 1786/U	R 141 083	10			
UG 913 A/U	R 141 156	7	KBN 33	R 141 207	7
UG 89/U	R 141 206	7			
UG 89 C/U	R 141 207	7	KBN 2	R 141 210	7
UG 261/U	R 141 209	7			
UG 261 C/U	R 141 210	7	KBN 12	R 141 258	8
UG 1794/U	R 141 237	11			
UG 291/U	R 141 257	8	KBN 3	R 141 262	8
UG 291 C/U	R 141 258	8			
UG 262/U	R 141 261	8	KBN 13	R 141 404	12
UG 262 C/U	R 141 262	8			
UG 290/U	R 141 403	12	KBN 15	R 141 407	12
UG 290/U	R 141 404	12			
UG 625 B/U	R 141 554	13	KBN 15 A	R 141 557	13
UG 1094/U	R 141 557	13			
UG 1094 B/U	R 141 559	14	KBN 18	R 141 559	14
UG 657/U	R 141 603	14			
UG 657 A/U	R 141 605	14	KBN 28	R 141 625	14
UG 912/U	R 141 625	14			
UG 1098/U	R 141 680	15	KBN 27	R 141 770	19
UG 491 B/U	R 141 703	17			
UG 914/U	R 141 704	17	KBN 5	R 141 780	19
UG 414 A/U	R 141 710	17			
UG 492 B/U	R 141 753	18	KBN 19	R 142 085	23
UG 306 B/U	R 141 770	19			
UG 274 B/U	R 141 780	19	KBN 31	R 142 268	22
CW 155 A/U	R 141 802	20			
CW 123 A/U	R 141 812	20	KBN 19	R 142 268	22
CW 282/U	R 141 842	20			
CW 159/U	R 141 862	20	KBN 31	R 142 268	22
UG 260 F/U	R 141 016	21			
UG 1789/U	R 142 085	23	KBN 31	R 142 268	22
UG 262 D/U	R 142 268	22			

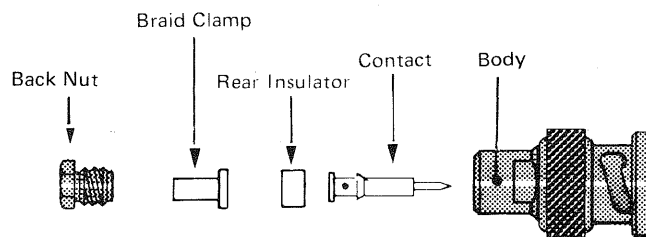
CODE	PAGE
BNC	
R 141 003	6
R 141 004	6
R 141 005	6
R 141 007	6
R 141 008	6
R 141 009	6
R 141 010	6
R 141 011	6
R 141 012	6
R 141 013	6
R 141 014	6
R 141 015	6
R 141 018	6
R 141 072	10
R 141 074	10
R 141 075	10
R 141 082	10
R 141 083	10
R 141 153	7
R 141 154	7
R 141 156	7
R 141 157	7
R 141 182	10
R 141 184	10
R 141 206	7
R 141 207	7
R 141 209	7
R 141 210	7
R 141 220	11
R 141 237	11
R 141 253	8
R 141 254	8
R 141 255	8
R 141 256	9
R 141 257	8
R 141 258	8
R 141 260	8
R 141 261	8
R 141 262	8
R 141 264	9
R 141 277	8
R 141 278	8
R 141 304	9
R 141 306	11
R 141 308	11
R 141 323	9
R 141 324	9
R 141 327	9
R 141 329	9
R 141 334 500	11
R 141 403	12
R 141 404	12
R 141 406	12
R 141 407	12
R 141 410	12
R 141 420	16

List of connectors by grouping

CABLES	DESCRIPTION	RADIALL CODE	PAGE	CABLES	DESCRIPTION	RADIALL CODE	PAGE		
Ø 2/50Ω	Cable clamp male plugs	R 141 003	6	Ø 6/50Ω + 75 PD Ø 6/75Ω Ø 6/93Ω	Cable clamp male plugs	R 141 015	6		
		R 141 153	7			R 141 011	6		
	Cable clamp female jacks	R 141 253	8		Cable clamp male plugs	R 141 012	6		
		R 141 323	9			R 141 013	6		
Ø 2,6/50Ω Ø 2,6/75Ω	Cable clamp male plugs	R 141 004	6			R 141 014	6		
		R 141 154	7		R 141 157	7			
		R 142 004	21		R 141 209	7			
		R 141 254	8		R 141 210	7			
	Cable clamp female jacks	R 141 277	8		R 142 016	21			
		R 141 278	8		R 142 157	22			
		R 141 304	9		R 142 016 161	28			
		R 141 324	9						
	Crimp male plugs	R 141 075	10		Cable clamp female jacks	R 141 261	8		
		R 141 306	11			R 141 262	8		
		R 142 076	23			R 141 264	9		
						R 141 329	9		
	Crimp female jacks	R 142 202	22			R 142 268	22		
		R 142 306 503	24			R 142 329	22		
	Ø 3,5/50 + 75 Ω	Cable clamp male plugs	R 141 005		6	Crimp male plugs	R 141 074	10	
		Cable clamp female jacks	R 141 255		8		R 141 184	10	
							R 141 334 500	11	
							R 142 085	23	
	Ø 5/50Ω Ø 5/75Ω	Cable clamp male plugs	R 141 007		6			R 142 184	24
			R 141 008		6		R 142 085 161	28	
			R 141 009		6		Crimp female jacks	R 142 242	24
			R 141 010		6			R 142 295	24
			R 141 156		7			R 142 242 161	29
R 141 206			7	R 142 295 161	29				
R 141 207			7	R 142 334 161	29				
R 141 007 161			28	Ø 8/75Ω	Cable clamp male plugs		R 142 017	21	
Cable clamp female jacks		R 141 257	8	Ø 10/50Ω	Cable clamp male plugs		R 141 018	6	
		R 141 258	8	Ø 10/75Ω			R 142 018	21	
		R 141 260	8	Ø 11/50Ω	Crimp female jacks		R 142 095	23	
		R 141 256	9	Ø 11/75Ω					
		R 141 327	9						
		Crimp male plugs	R 141 072	10					
R 141 082			10						
R 141 083			10						
R 141 182			10						
Crimp female jacks		R 141 082 161	28						
		R 141 220	11						
		R 141 237	11						
		R 141 308	11						
		R 141 237 161	29						
		R 141 292 161	29						

MOUNTING INSTRUCTIONS

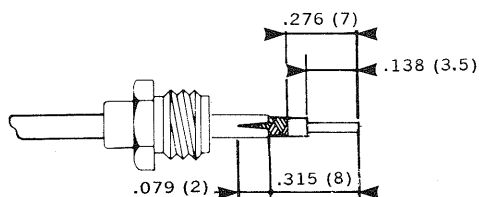
M 10



CONNECTORS

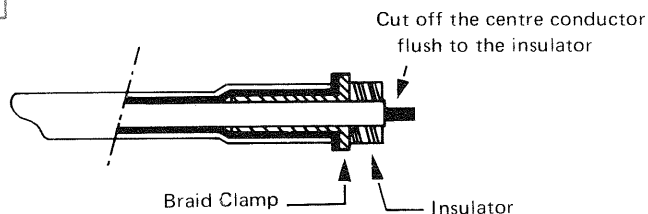
R 142 004
R 142 202

1



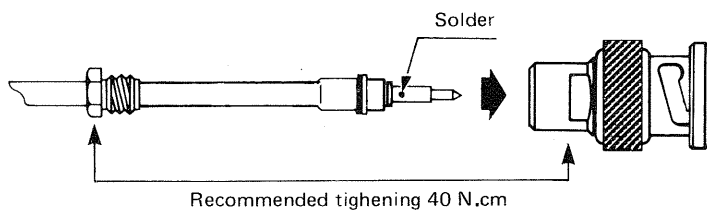
- 1 - 1 Strip the cable.
- 1 - 2 Slit the sheath (optional).

2



- 2 - 1 Place the braid clamp between the dielectric and the braid.
- 2 - 2 Cut the braid flush with the Ø of braid clamp.
- 2 - 3 Strip the dielectric.
- 2 - 4 Mount the assembly into the rear nut.

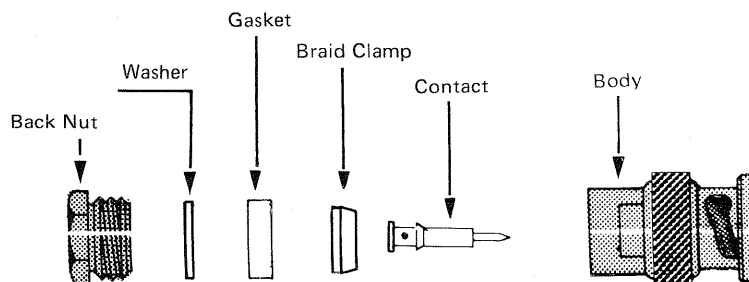
3



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

MOUNTING INSTRUCTIONS

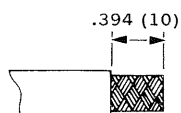
M 07



CONNECTOR

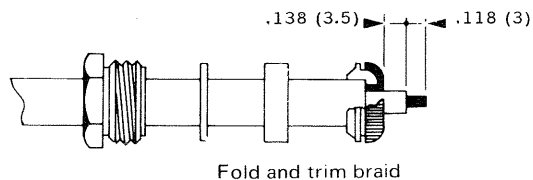
R 142 017

1



1 - 1 Strip the cable.

2

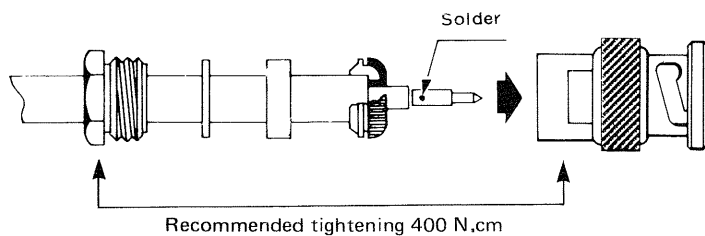


2 - 1 Slide the back nut, washer, gasket and braid clamp onto the cable.

2 - 1 Fold and trim the braid.

2 - 3 Strip the dielectric.

3

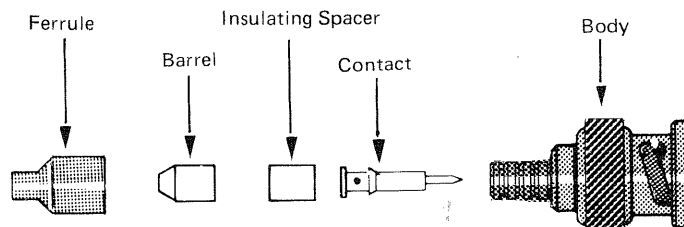


3 - 1 Solder the contact.

3 - 2 Mount the assembly into the body.

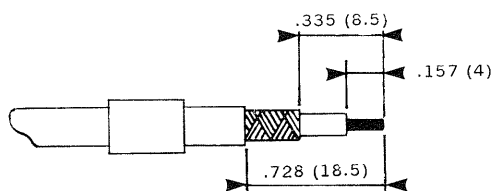
MOUNTING INSTRUCTIONS

M 05



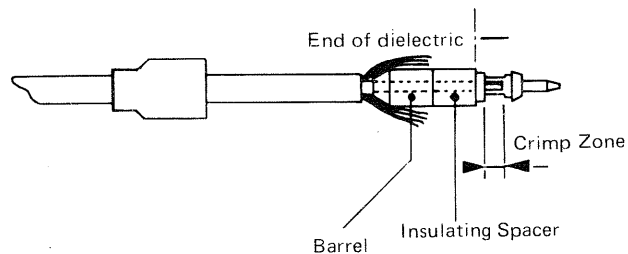
CONNECTORS	TOOLING
— 50 Ω — R 141 075 R 141 306	RADIALl Crimp tool R 282 223 Hex. 5.40 (braid) ; 1.70 (centre conductor)
	or RADIALl Crimp tool + RADIALl Dies R 282 240 R 282 242
— 75 Ω — R 142 076	or BUCHANAN Crimp tool + BUCHANAN Dies 612 648 612 700
	2.6 mm $\varnothing$ cable Hex. 5.40 (braid) 1.75 (centre conductor)

1



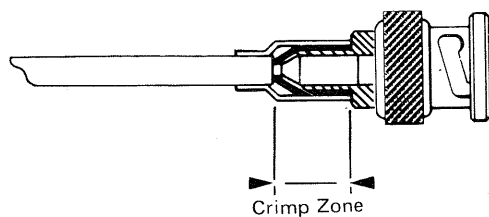
- 1 - 1 Slide the ferrule onto the cable.
 1 - 2 Strip the cable.

2



- 2 - 1 Mount the barrel and insulator onto dielectric.
 2 - 2 Crimp the contact.

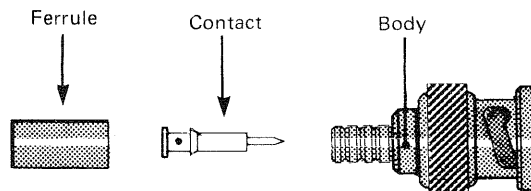
3



- 3 - 1 Locate crimp zone under braid.
 3 - 2 Locate and crimp ferrule.

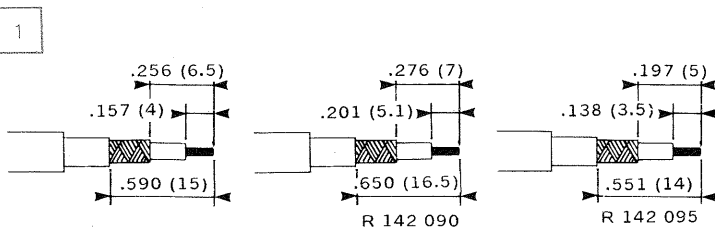
MOUNTING INSTRUCTIONS

M 03



50 Ω CONNECTORS	TOOLING (1)	75 Ω CONNECTORS	TOOLING (2)
R 141 082 R 141 082 161 R 141 083 R 141 182 R 141 184 R 141 220 R 141 237 R 141 237 161 R 141 292 161 R 141 308 R 141 334 500	RADIALL Crimp tool R 282 223 or RADIALL Crimp tool + RADIALL Dies R 282 240 R 282 242 or BUCHANAN Crimp tool + BUCHANAN Dies 612 648 612 700 5 mm Ø (cable) Hex. 5.40 (braid) 1.70 (centre conductor)	R 142 085 R 142 085 161 R 142 184 R 142 242 R 142 242 161 R 142 295 R 142 295 161 R 142 334 161 R 142 090 R 142 095	RADIALL Crimp tool R 282 223 or RADIALL Crimp tool + RADIALL Dies R 282 240 R 282 244 or BUCHANAN Crimp tool + RADIALL Dies 612 648 600 195 6 mm Ø cable Hex. 6.48 (braid) 1.70 (centre conductor) RADIALL Crimp tool R 282 227 or RADIALL Crimp tool + RADIALL Dies R 282 240 R 282 244 7.6 mm Ø cable Hex. 8.23 (braid) 1.73 (centre conductor) RADIALL Crimp tool R 282 231 + R 282 223 or RADIALL Crimp tool + RADIALL Dies R 282 240 R 282 245 or RADIALL Crimp tool + RADIALL Dies R 282 240 R 282 244 10 mm Ø cable Hex. 10.54 (braid) 1.73 (centre conductor)

(1) Old tool R 282 216

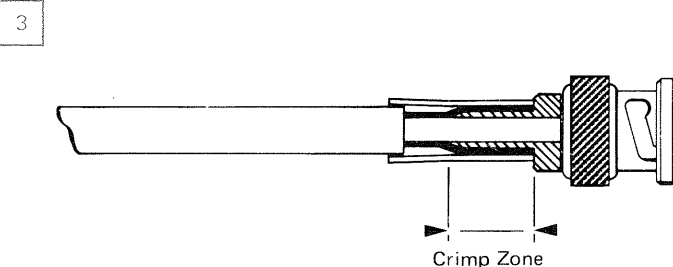
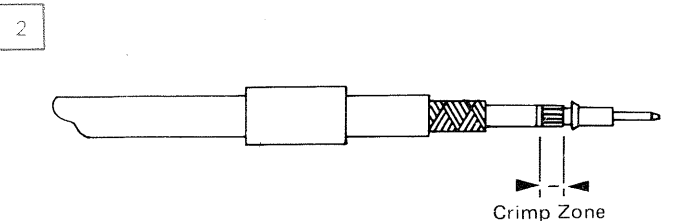


(2) Old tool R 282 221

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

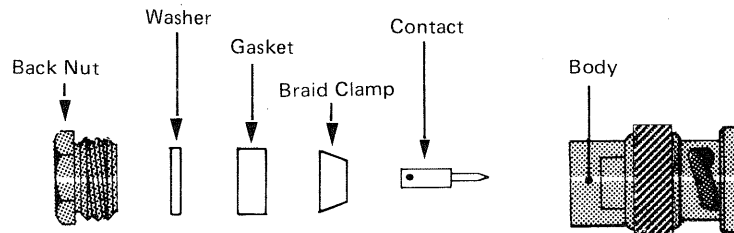
- 2 - 1 Crimp the contact.
- 2 - 2 Expand the braid diameter.

- 3 - 1 Slide the crimp zone under the braid.
- 3 - 2 Locate and crimp the ferrule.



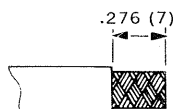
MOUNTING INSTRUCTIONS

M 01

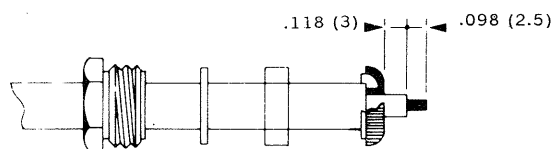


50 Ω CONNECTORS		75 Ω CONNECTORS
R 141 005	R 141 206	R 142 016 161
R 141 007	R 141 209	
R 141 007 161	R 141 255	
R 141 011	R 141 256	
R 141 015	R 141 257	
	R 141 261	
	R 141 264	

1



2

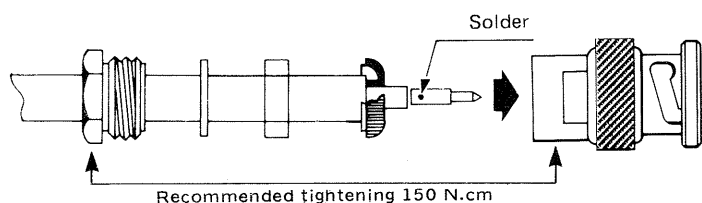


1 - 1 Strip the cable.

- 2 - 1 Place the back nut, washer, gasket and braid clamp on the cable.
 2 - 2 Fold back and trim the braid.
 2 - 3 Strip the dielectric.

NOTE : For air spaced cables eg RG 62 A/U cut the dielectric back from 3 mm to 1 mm. Push the insulating spacer into the dielectric.

3

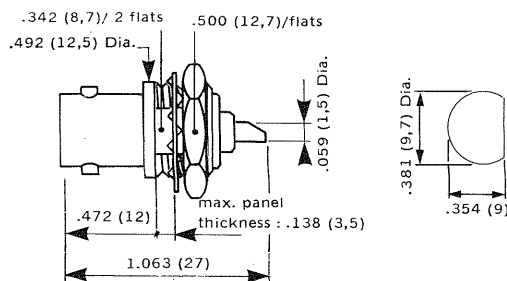
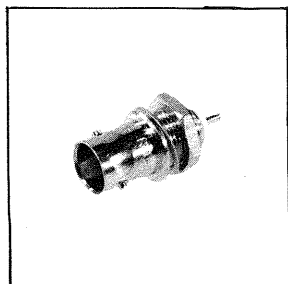


- 3 - 1 Solder the contact.
 3 - 2 Mount the assembly into the body.

BNC COMMERCIAL

PANEL MOUNTED RECEPTACLES WITH SOLDER POT

BULKHEAD RECEPTACLE



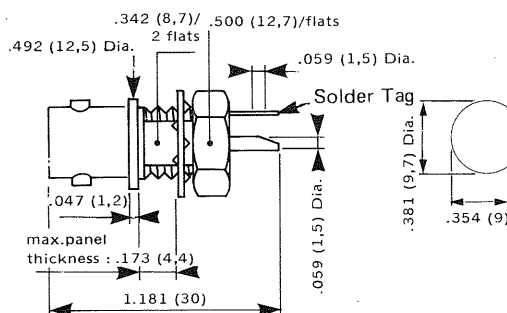
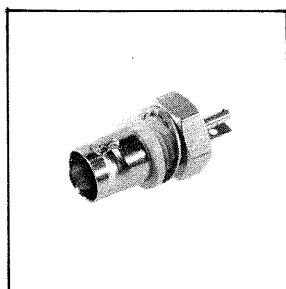
PART
NUMBER

R 141 563 161

Captive contact

YES

INSULATED BULKHEAD RECEPTACLE



PART
NUMBER

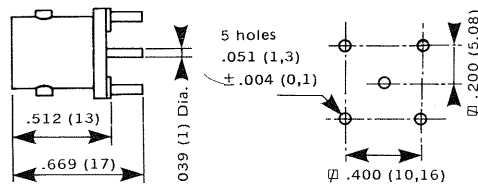
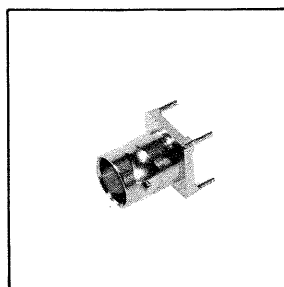
R 141 574 161

Captive contact

YES

PCB MOUNT RECEPTACLE

STRAIGHT - PCB - RECEPTACLE



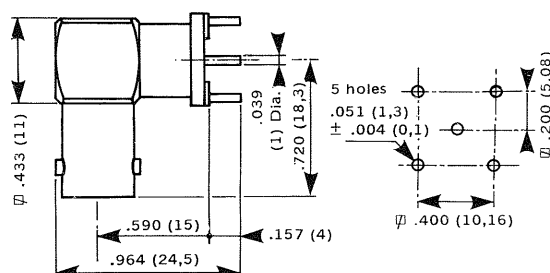
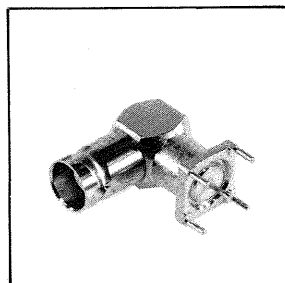
PART
NUMBER

R 141 426 161

Captive contact

YES

RIGHT ANGLE - PCB - RECEPTACLE



PART
NUMBER

R 141 665 161

Captive contact

YES

BNC COMMERCIAL

BNC 50 Ω AND 75 Ω SERIES

The Industrial BNC series from RADIALL offers the best value, quality/price for your requirements in RF, video communications, and data transmission.

They are intermateable with all 50 Ω and 75 Ω connectors.

ELECTRICAL CHARACTERISTICS

Impedance	:	50 Ω and 75 Ω
Operating frequency	:	0 - 1.5 GHz
Test voltage	:	1500 V rms
Operating voltage	:	500 V rms
Insulation Resistance (at 500 V)	:	> 500 m Ω
Contact resistance	:	< 10 m Ω

ENVIRONMENTAL

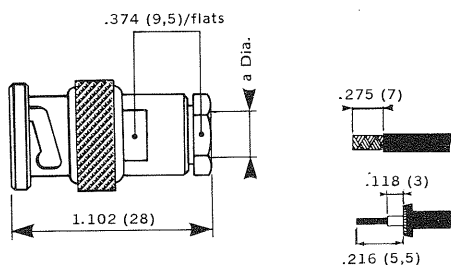
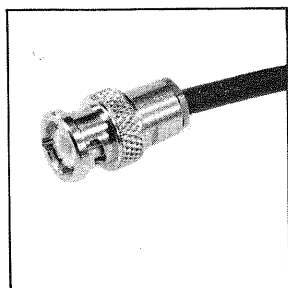
Operating temperature	:	- 25°C + 70°C
Plating - Body	:	Nickel
Centre contact	:	Gold plated

Minimum order quantity 100, and in multiples of 100 of the same reference.

For all other characteristics see page 3.

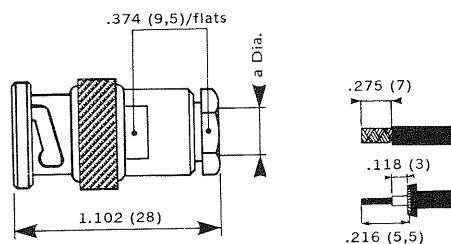
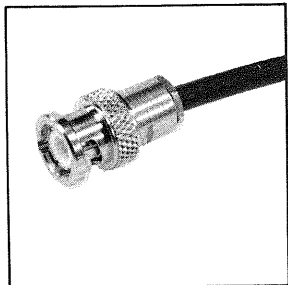
CABLE CLAMP FOR FLEXIBLE CABLES

STRAIGHT PLUG



CABLE Φ	
Ω	.197 (5) 50
PART NUMBER	R 141 007 161
a dia. max.	.220 (5.6)
Impédance	50 Ω
Captive contact	NO
Assembly	M 01

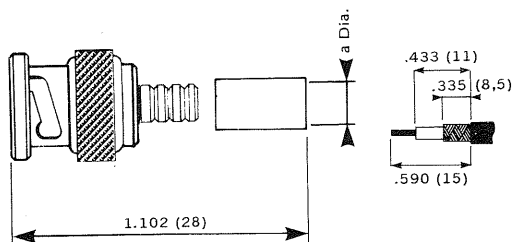
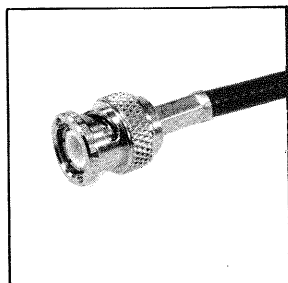
STRAIGHT PLUG



CABLE Φ	
Ω	.236 (6) 75 + 93
PART NUMBER	R 142 016 161
a dia. max.	.256 (6.5)
Impédance	75 Ω
Captive contact	YES
Assembly	M 01

CRIMP SERIES FOR FLEXIBLE CABLES

STRAIGHT PLUG

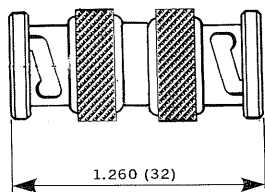
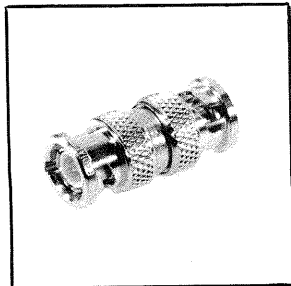


CABLE Φ		
Ω	.197 (5) 50	.236 (6) 75 + 93
PART NUMBER	R 141 082 161	R 142 085 161
a dia. max.	.216 (5,5)	.260 (6,6)
Impédance	50 Ω	75 Ω
Captive contact	YES	YES
Assembly	M 03	M 03

BNC 75 Ω

ADAPTORS

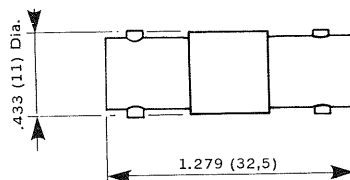
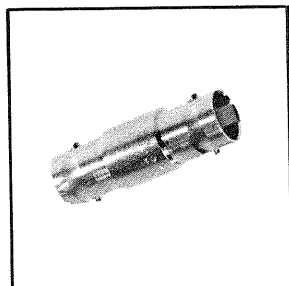
MALE – MALE (plug - plug)



PART
NUMBER

R 142 703

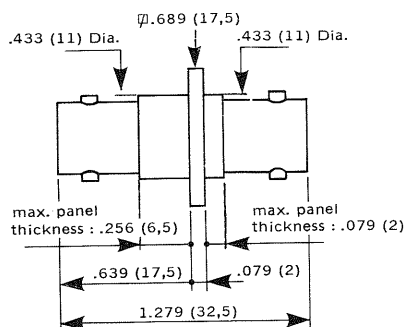
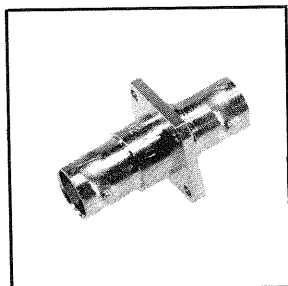
FEMALE – FEMALE (jack - jack)



PART
NUMBER

R 142 704

STRAIGHT FEMALE – FEMALE SQUARE FLANGE (jack - jack)

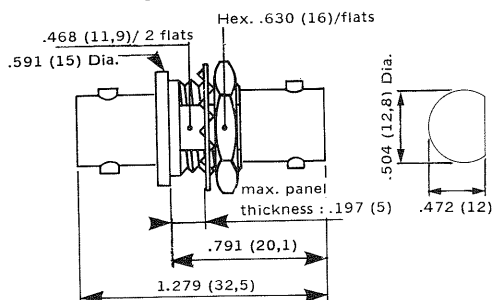
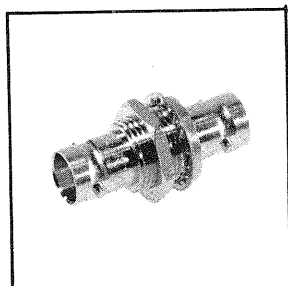


Panel Piercing P3.2

PART
NUMBER

R 142 710

FEMALE – FEMALE BULKHEAD (jack - jack)



PART
NUMBER

R 142 720

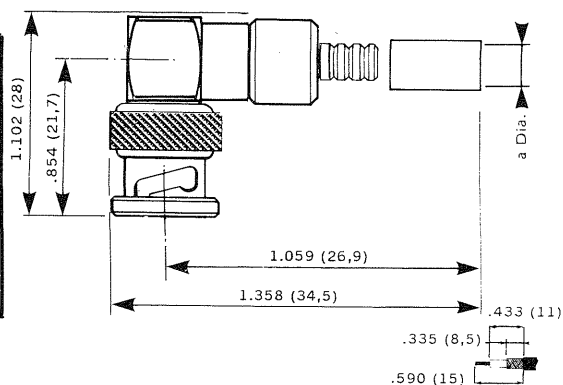
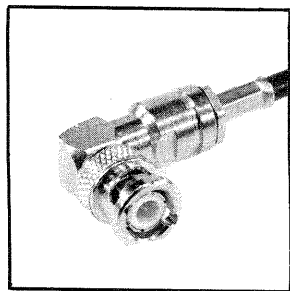


RADIALL[®]
The Quality Connection

BNC 75 Ω

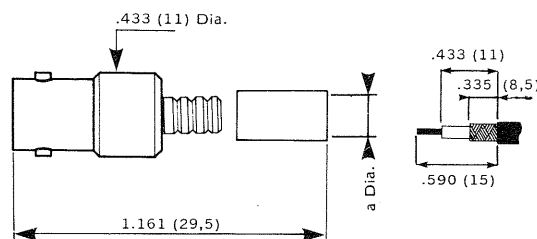
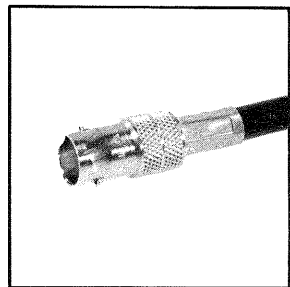
CRIMP SERIES FOR FLEXIBLE CABLES

RIGHT ANGLE PLUG



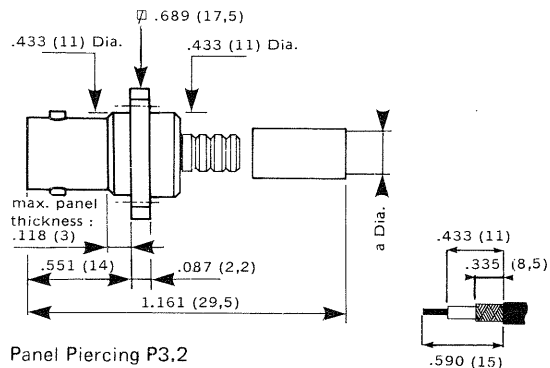
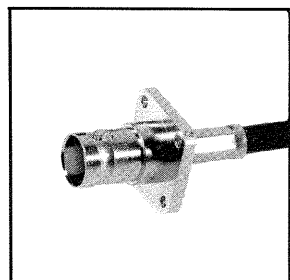
CABLE Ø	.236 (6)
Ω	75 +93
PART NUMBER	R 142 184
a dia. max.	.260 (6,6)
Captive contact	YES
Assembly	M 03

STRAIGHT JACK



CABLE Ø	.236 (6)
Ω	75 +93
PART NUMBER	R 142 242
a dia. max.	.260 (6,6)
Captive contact	YES
Assembly	M 03

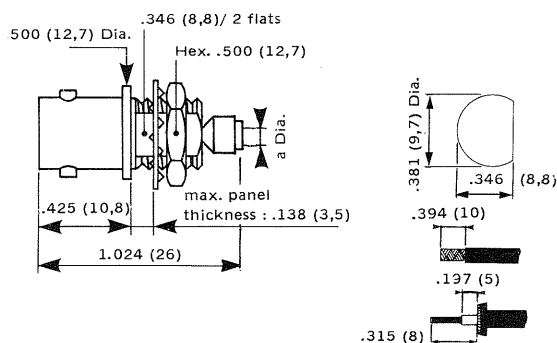
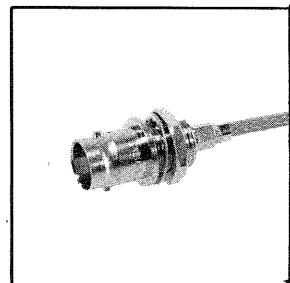
SQUARE FLANGE RECEPTACLE



CABLE Ø	.236 (6)
Ω	75 +93
PART NUMBER	R 142 295
a dia. max.	.260 (6,6)
Captive contact	YES
Assembly	M 03

Panel Piercing P3.2

BULKHEAD RECEPTACLE

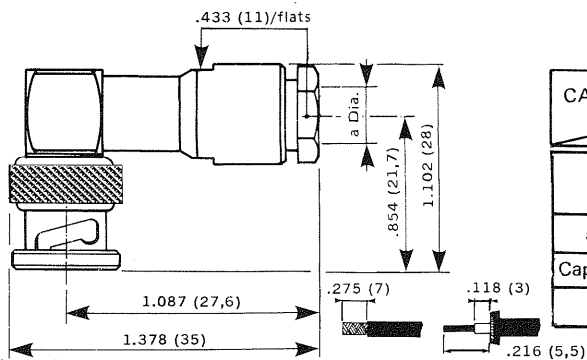
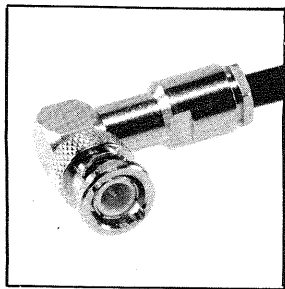


CABLE Ø	.102 (2,6)
Ω	75
PART NUMBER	R 142 306 503
a dia. max.	.110 (2,8)
Captive contact	YES
Assembly	M 09

BNC 75 Ω

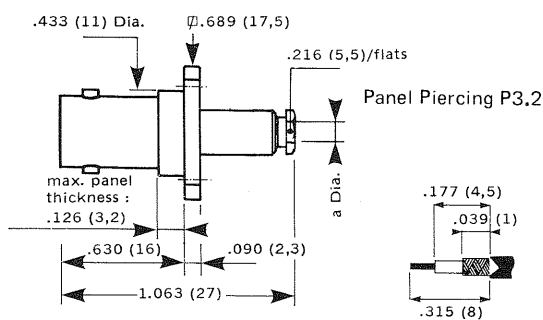
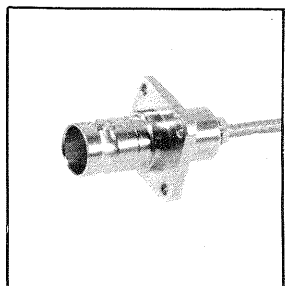
CABLE CLAMP FOR FLEXIBLE CABLES

RIGHT ANGLE PLUG



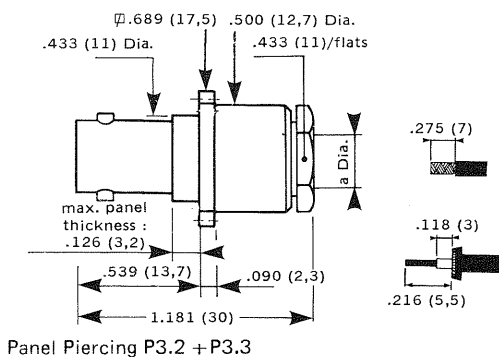
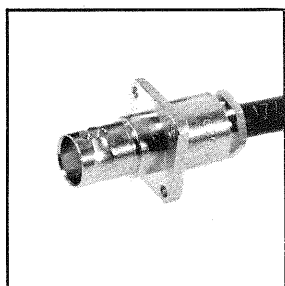
CABLE Ø	.236 (6)
Ω	75 + 93
PART NUMBER	R 142 157
a dia. max.	.260 (6,6)
Captive contact	YES
Assembly	M 02

SQUARE FLANGE RECEPTACLE



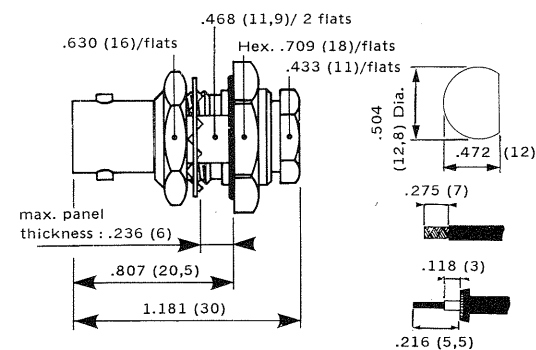
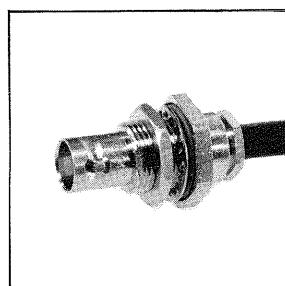
CABLE Ø	.102 (2,6)
Ω	75
PART NUMBER	R 142 202
a dia. max.	.118 (3)
Captive contact	NO
Assembly	M 10

SQUARE FLANGE RECEPTACLE



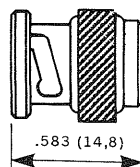
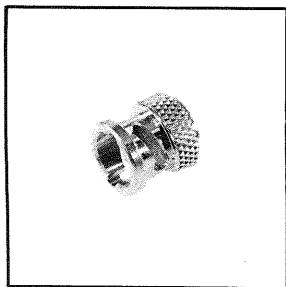
CABLE Ø	.236 (6)
Ω	75 + 93
PART NUMBER	R 142 268
MIL no.	UG. 262 D/U
a dia. max.	.256 (6,5)
Captive contact	NO
Assembly	M 02

BULKHEAD RECEPTACLE



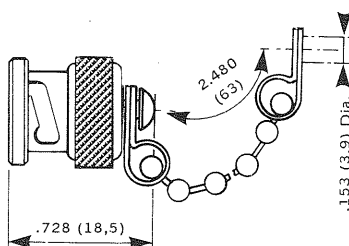
CABLE Ø	.236 (6)
Ω	75 + 93
PART NUMBER	R 142 329
a dia. max.	.260 (6,6)
Captive contact	YES
Assembly	M 02

MALE DUST CAP - W/O - CHAIN



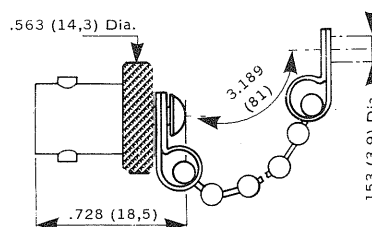
PART NUMBER	R 141 802
MIL no.	CW. 155 A/U

MALE DUST CAP WITH CHAIN



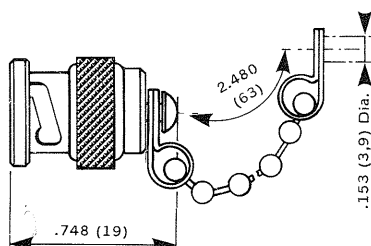
PART NUMBER	R 141 812
MIL no.	CW. 123 A/U

FEMALE DUST CAP WITH CHAIN



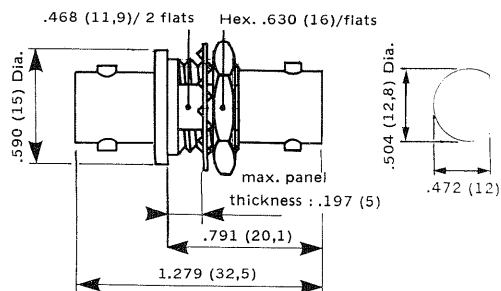
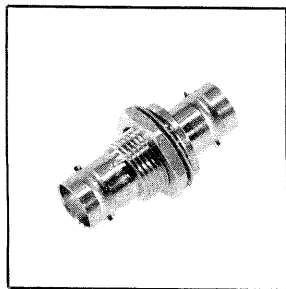
PART NUMBER	R 141 842
MIL no.	CW. 282/U

MALE SHORT CIRCUIT CAP WITH CHAIN



PART NUMBER	R 141 862
MIL no.	CW. 159/U

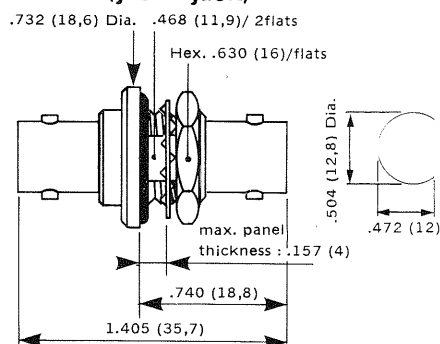
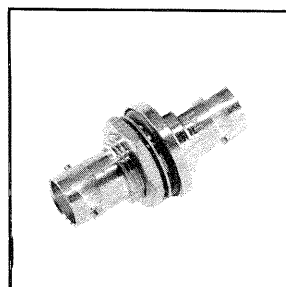
FEMALE – FEMALE BULKHEAD (jack - jack)



PART
NUMBER

R 141 720

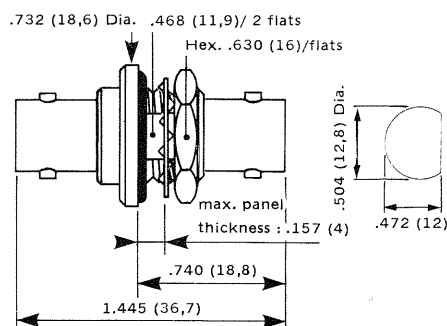
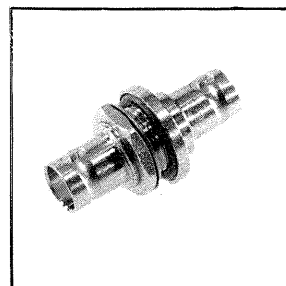
FEMALE – FEMALE BULKHEAD (jack - jack)



PART
NUMBER

R 141 730

FEMALE – FEMALE HERMETICALLY SEALED BULKHEAD (jack - jack)



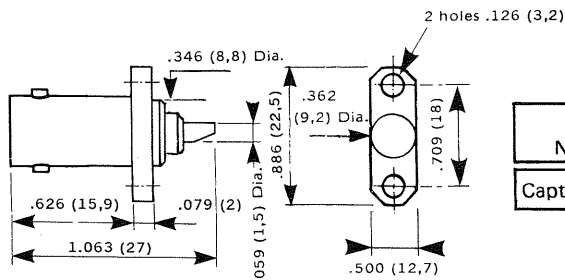
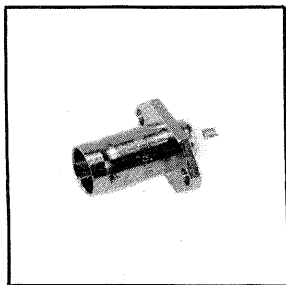
PART
NUMBER

R 141 753

MIL no.

UG. 492 B/U

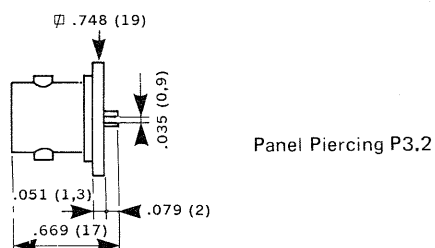
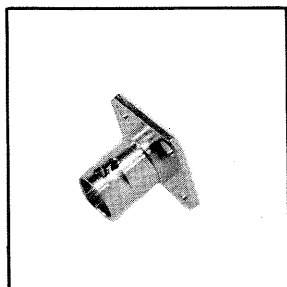
NARROW FLANGE RECEPTACLE



PART NUMBER
Captive contact

R 141 453
YES

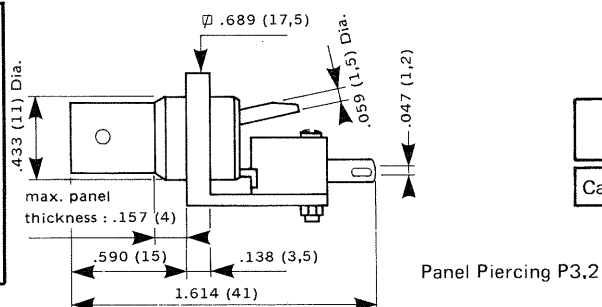
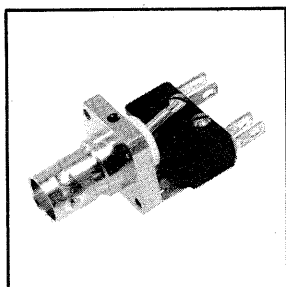
FLANGE RECEPTACLE - MICROSTRIP LAUNCHER



PART NUMBER
Captive contact

R 141 420
NO

FLANGE RECEPTACLE WITH AUXILIARY CONTACT

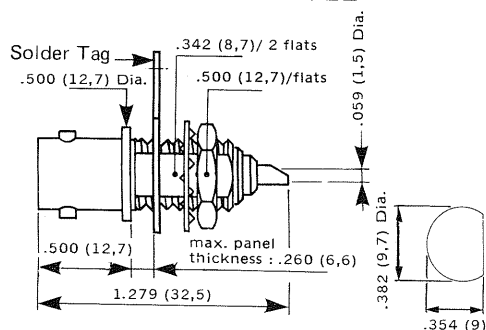
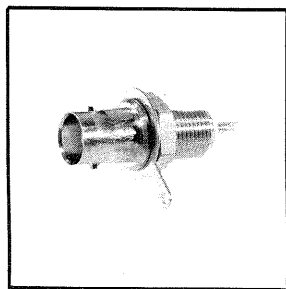


PART NUMBER
Captive contact

R 141 439
YES

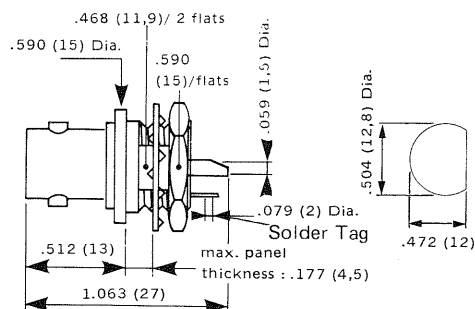
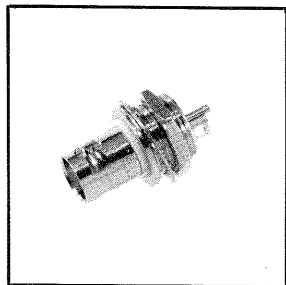
PANEL MOUNTED RECEPTACLES WITH SOLDER POT

BULKHEAD RECEPTACLE



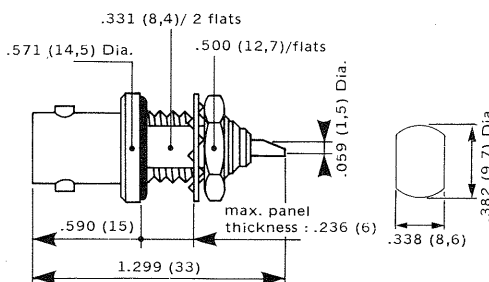
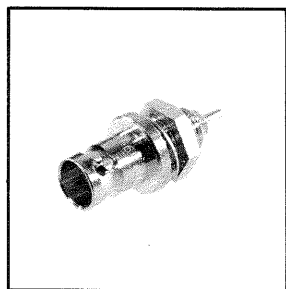
PART NUMBER	R 141 559
MIL no.	UG. 1094 B/U
NF no.	KBN 28
Captive contact	YES
This connector can be insulated with washers set R 280 902	

INSULATED BULKHEAD RECEPTACLE



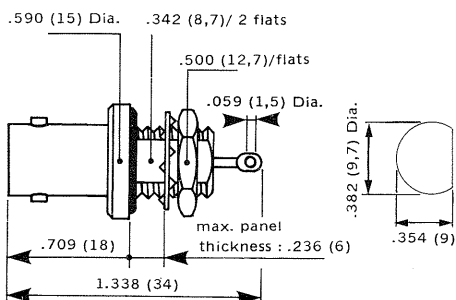
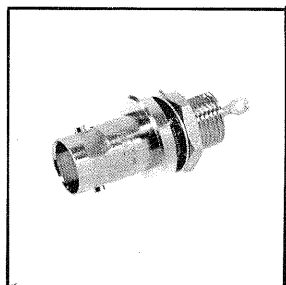
PART NUMBER	R 141 572
Captive contact	YES

BULKHEAD RECEPTACLE WITH PANEL SEAL



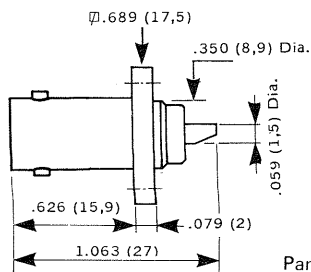
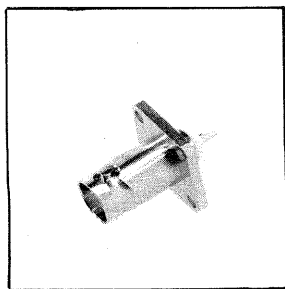
PART NUMBER	R 141 603	R 141 605
MIL no.	UG. 657/U	UG. 657 A/U
Insulators	Q - 200 - 5	PTFE
Captive contact	YES	YES

HERMETICALLY SEALED BULKHEAD RECEPTACLE



PART NUMBER	R 141 625
MIL no.	UG. 912/U
NF no.	KBN 27
Captive contact	YES

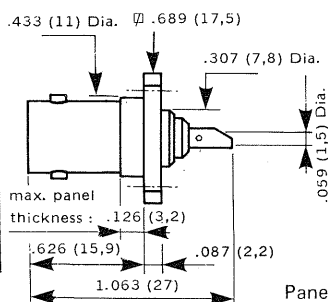
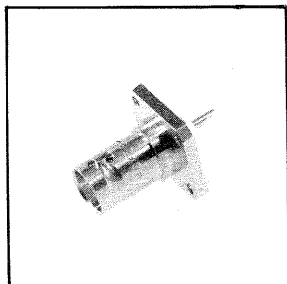
SQUARE FLANGE RECEPTACLE



Panel Piercing P3,2+P3,3

PART NUMBER	R 141 403	R 141 406
MIL no.	UG. 290/U	
Flange Holes	4 holes M 2,5	4 holes .102 (2,6)
Captive contact	YES	YES

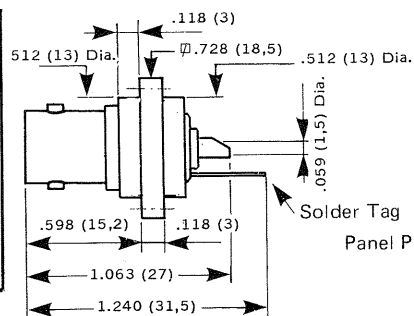
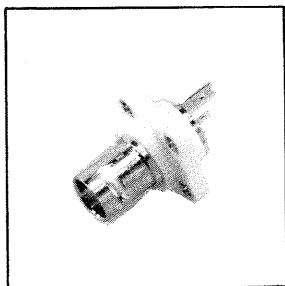
SQUARE FLANGE RECEPTACLE



Panel Piercing P3,2+P3,1

PART NUMBER	R 141 404	R 141 407
MIL no.	UG. 290/U	
NF no.	KBN 15	KBN 15 A
Flange Holes	4 holes M 2,5	4 holes .102 (2,6)
Captive contact	YES	YES

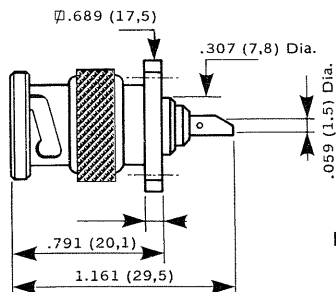
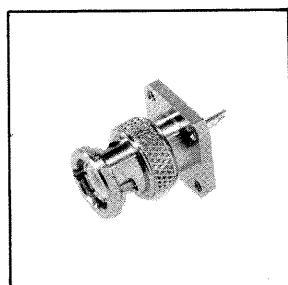
INSULATED SQUARE FLANGE RECEPTACLE



Panel Piercing P3,4

PART NUMBER	R 141 410
Flange Holes	4 holes .102 (2,6)
Captive contact	YES

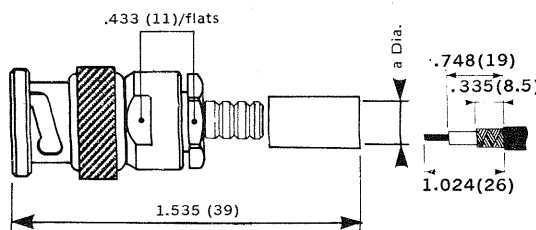
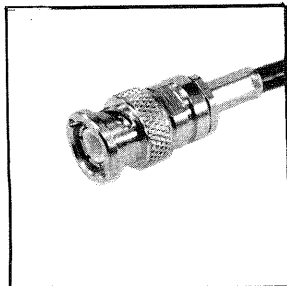
SQUARE FLANGE MALE RECEPTACLE



Panel Piercing P3,1

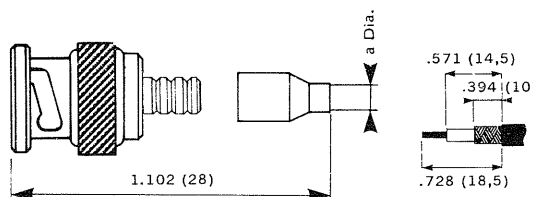
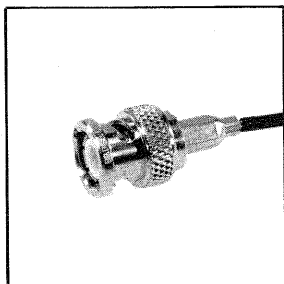
PART NUMBER	R 141 440
Flange Holes	4 holes M 2,5
Captive contact	YES

STRAIGHT PLUG



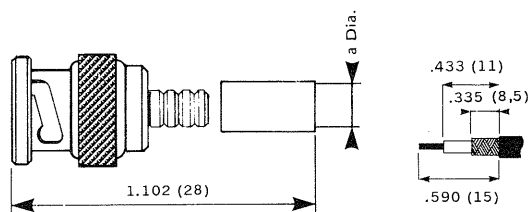
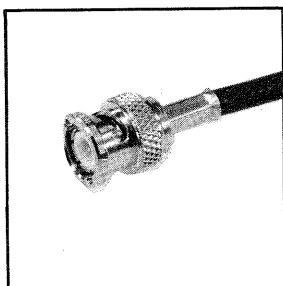
CABLE Ø	.197 (5)	.236 (6)
Ω	50 S.tr	75
PART NUMBER	R 141 072	R 141 074
a dia. max.	.216 (5,5)	.260 (6,6)
Captive contact	YES	YES
Assembly	M 06	M 06

STRAIGHT PLUG



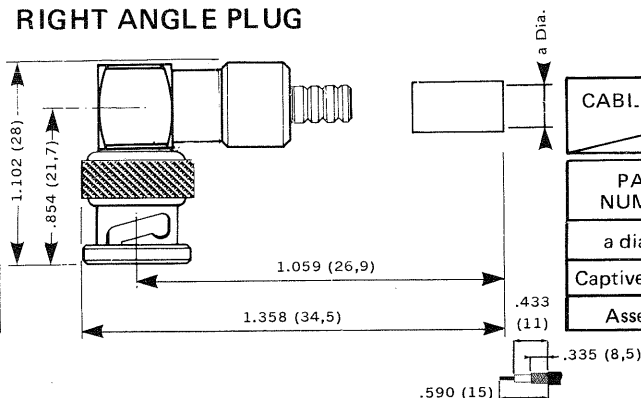
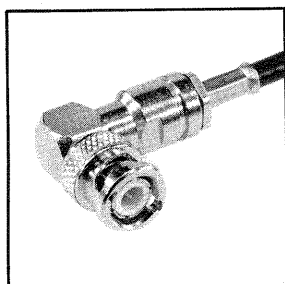
CABLE Ø	.102 (2,6)	50
Ω		
PART NUMBER	R 141 075	
a dia. max.	.118 (3)	
Captive contact	YES	
Assembly	M 05	

STRAIGHT PLUG



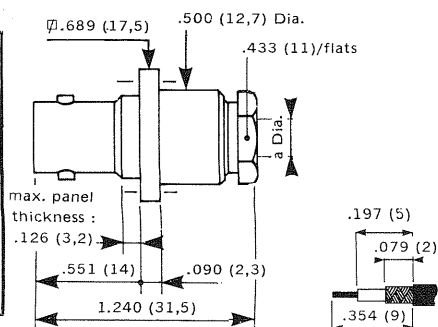
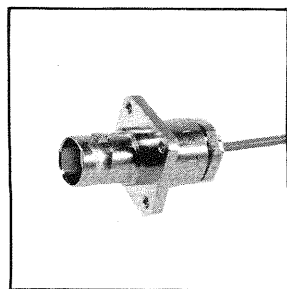
CABLE Ø	.197 (5)	.197 (5)
Ω	50 S.tr	50 D.tr.
PART NUMBER	R 141 082	R 141 083
MIL no.	UG. 1785/U	UG. 1786/U
NF no.	KBN 21	
a dia. max.	.216 (5,5)	.218 (5,55)
Captive contact	YES	YES
Assembly	M 03	M 03

RIGHT ANGLE PLUG



CABLE Ø	.197 (5)	.236 (6)
Ω	50 S.tr	75 + 93
PART NUMBER	R 141 182	R 141 184
a dia. max.	.218 (5,55)	.260 (6,6)
Captive contact	YES	YES
Assembly	M 03	M 03

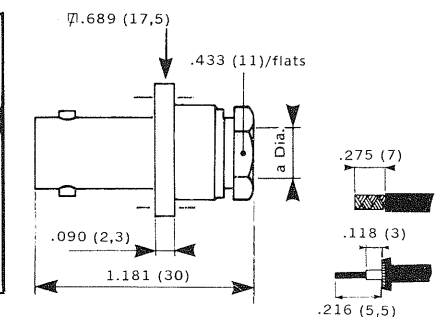
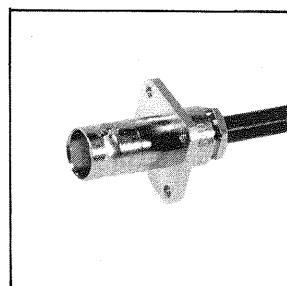
SQUARE FLANGE JACK



Panel Piercing P3.2 + P3.3

CABLE Ø	.079 (2)	.102 (2,6)	.102 (2,6)
Ω	50	50 + 75	50 + 75
PART NUMBER	R 141 253	R 141 254	R 141 278
a dia. max.	.087 (2,2)	.116 (2,95)	.116 (2,95)
Captive contact	YES	YES	YES
Holes flange	4 holes M 2,5	4 holes M 2,5	4 holes .106 (2,7)
Assembly	M 04	M 04	M 04

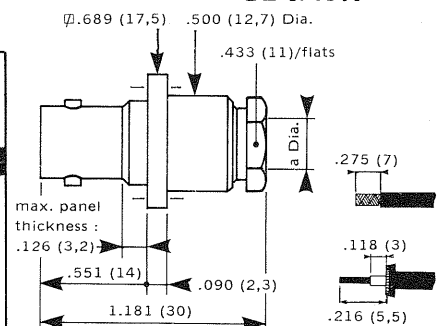
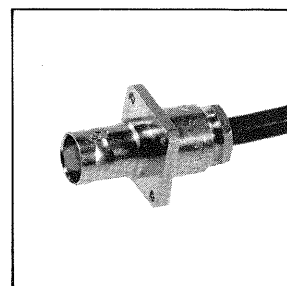
SQUARE FLANGE JACK



Panel Piercing P3.2

CABLE Ø	.197 (5)	.138 (3,5)	.236 (6)
Ω	50	50 + 75 PPD	75 + 93
PART NUMBER	R 141 257	R 141 255	R 141 261
MIL no.	UG. 291/U		UG. 262/U
a dia. max.	.220 (5,6)	.146 (3,7)	.256 (6,5)
Captive contact	NO	NO	NO
Assembly	M 01	M 01	M 01

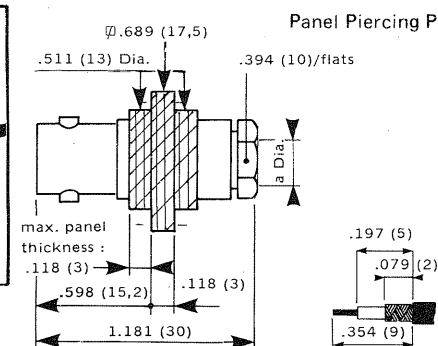
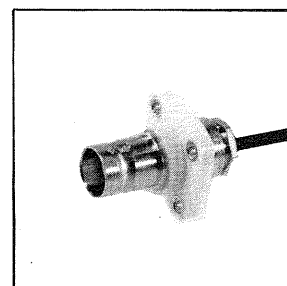
SQUARE FLANGE JACK



Panel Piercing P3.2 + P3.3

CABLE Ø	.197 (5)	.197 (5)	.236 (6)
Ω	50	50	75 + 93
PART NUMBER	R 141 258	R 141 260	R 141 262
MIL no.	UG. 291 C/U		UG. 262 C/U
NF no.	KBN 3		KBN 13
a dia. max.	.220 (5,6)	.220 (5,6)	.256 (6,5)
Captive contact	NO	YES	NO
Assembly	M 02	M 02	M 02

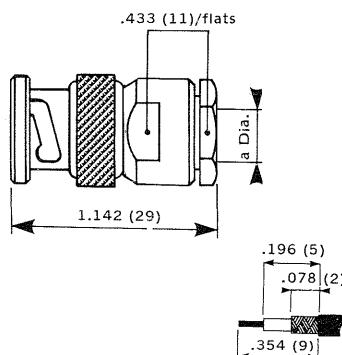
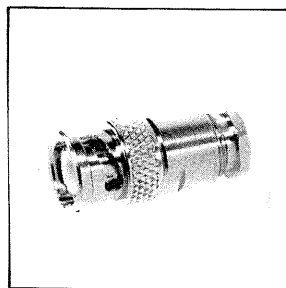
INSULATED SQUARE FLANGE JACK



Panel Piercing P3.4

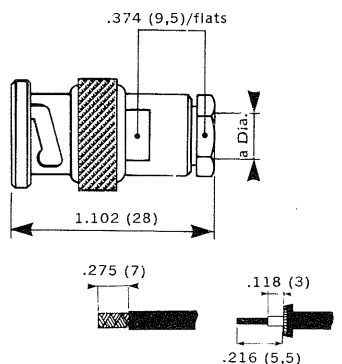
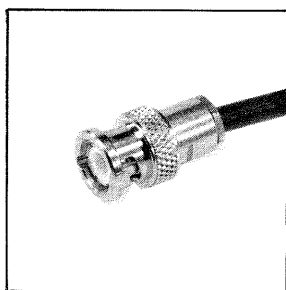
CABLE Ø	.102 (2,6)
Ω	50 + 75
PART NUMBER	R 141 277
a dia. max.	.116 (2,95)
Captive contact	YES
Assembly	M 04

STRAIGHT PLUG



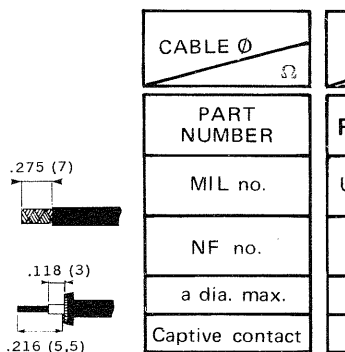
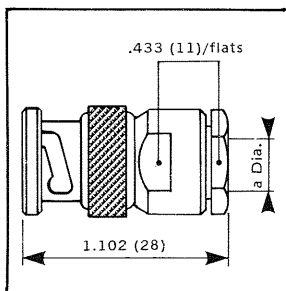
CABLE Ø	.079 (2)	.102 (2,6)
Ω	50	50 + 75
PART NUMBER	R 141 003	R 141 004
a dia. max.	.086 (2,2)	.116 (2,95)
Captive contact	YES	YES
Assembly	M 04	M 04

STRAIGHT PLUG



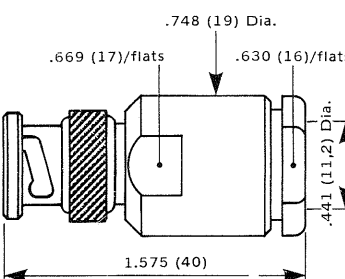
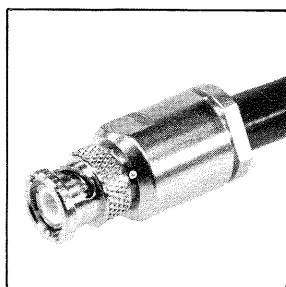
CABLE Ø	.197 (5)	.138 (3,5)	.236 (6)	.236 (6)
Ω	50	50 + 75 PPD	50 + 75 PD	75
PART NUMBER	R 141 007	R 141 005	R 141 015	R 141 011
MIL no.	UG. 88/U			UG. 260/U
a dia. max.	.220 (5,6)	.145 (3,7)	.268 (6,8)	.256 (6,5)
Captive contact	NO	NO	NO	NO
Assembly	M 01	M 01	M 01	M 01

STRAIGHT PLUG



CABLE Ø	.197 (5)	.197 (5)	.197 (5)	.236 (6)	.236 (6)	.236 (6)
Ω	50	50	50	75 + 93	75 + 93	75 + 93
PART NUMBER	R 141 008	R 141 009	R 141 010	R 141 012	R 141 013	R 141 014
MIL no.	UG. 88 C/U	UG. 88 E/U		UG. 260 B/U	UG. 260 D/U	
NF no.		KBN 1			KBN 11	
a dia. max.	.220 (5,6)	.220 (5,6)	.220 (5,6)	.260 (6,6)	.260 (6,6)	.256 (6,5)
Captive contact	NO	NO	YES	NO	NO	YES
Assembly	M 02	M 02	M 02	M 02	M 02	M 02

STRAIGHT PLUG



CABLE Ø	.394 (10) + .433 (11)
Ω	50
PART NUMBER	R 141 018
Captive contact	YES
Assembly	M 08

CHARACTERISTICS

TESTS/CHARACTERISTICS	Paragraph MIL - C - 39012 C	REMARKS
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ELECTRICAL CHARACTERISTICS

Impedance		50Ω	75Ω
Operating Frequency		recommended 0 - 4 GHz	0 - 1 GHz
		maximum 0 - 11 GHz	0 - 1.5 GHz
V.S.W.R.	3 - 14	straight types : 1,30 max ; elbow types : 1.35 max	
Insertion Loss	3 - 27	straight types : 0.2 dB max. at 3 GHz	
		elbow types : 0.3 dB max. at 3 GHz	
Leakage	3 - 26	- 55 dB min. from 2 - 3 GHz	
Insulation Resistance	3 - 11	5000 MΩ min.	
Contact Resistance	3 - 16		
		Initial	After test
		Centre Contact (mΩ)	1.5 2
		Outer Conductor (mΩ)	0.2 -
Operating Voltage		Sea level : 500 V RMS max. ; at 21,000 m : 125 V RMS max.	
Test Voltage	3 - 17	Sea level : 1500 V RMS min. ; at 21,000 m : 375 V RMS min.	
RF High Potential withstanding voltage (frequency 5 MHz)	3 - 23	Sea level : 1000 V RMS	

MECHANICAL CHARACTERISTICS

Life	3 - 15	500 matings
Mating and Demating Force	3 - 5 - 1	axial : 13,6 N max. ; coupling : 28,6 N.cm
Recommended Coupling Torque		Not applicable
Coupling Proof Torque		Not applicable
Coupling Nut Retention Force	3 - 25	44,5 daN
Cable Retention Force	3 - 24	5/50 cable : 227 N ; 6/75 cable : 340 N
Contact Captivation		axial : 27 N

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature		standard connectors : - 65°C + 165°C
		Hermetic connectors : - 65°C + 100°C
		connectors for semi-rigid cable : - 65°C + 105°C
Rapid Temperature Variation	3 - 20	MIL - STD - 202, method 107, condition B
High Temperature Endurance		MIL - STD - 202, method 108
Salt Spray	3 - 13	MIL - STD - 202, method 101, condition B
Vibration	3 - 18	MIL - STD - 202, method 204, condition B
Shock	3 - 19	MIL - STD - 202, method 213, condition G
Humidity	3 - 21	MIL - STD - 202, method 106
Low Pressure	3 - 22	not applicable
Hermeticity		MIL - STD - 202, method 112, condition C
		vacuum 10 ⁻⁶ Hg mm (Torr)
		leakage rate < 10 ⁻⁶ atm/cm ³ /s
Splashproofing		pressure < 20 bars
		pressure test : 3,5 bars ; duration : 2 mn ; temperature : 15°C to 25°C

MATERIALS

Body and Male Centre Contact	Brass following QQ - B - 626
Female Centre Contact	Bronze or heat treated Beryllium following QQ - C - 530
Ferrules	Brass
Insulators	PTFE Teflon
Washers	Silicon

PLATING

Body	Nickel to satisfy corrosion test
Centre contact	Gold plated