

The Amphenol SMZ type 43 can be divided in 2 versions; the standard BT43 (12,7mm) and high density (10,0mm).

The connectors are fully compliant to the British Telecom standards.

The Industry part number (British Telecom) has been printed in blue under Amphenol part number for easy crossing.

Electrical Specifications

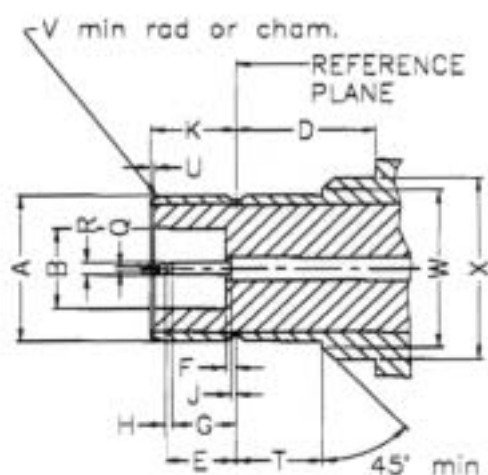
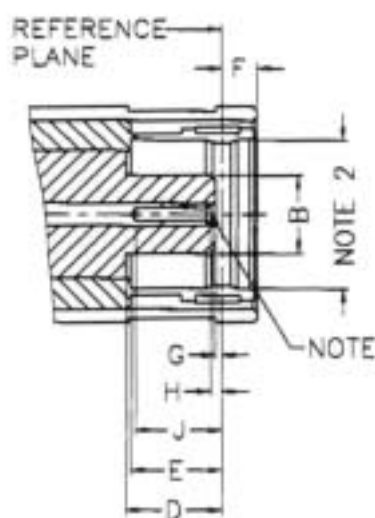
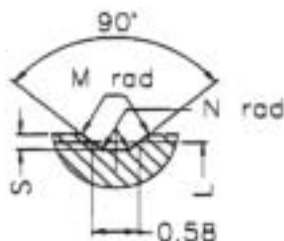
Electrical data	SMZ type 43
Impedance	75 ohm
Frequency range	DC - 3 GHz
Temperature Range	-40 to + 100°C
VSWR (Straight connectors)	1.20 max.
VSWR (Right Angle connectors)	1.25 max.
Voltage Rating	500 Vrms max.
Dielectric Withstanding Voltage	1500 Vrms min.
Insulation Resistance	5000 megaohms
Contact Inner conductor	5 megaohms
Resistance Outer conductor	1megaohms

Material Specifications

Parts Name	Material	Finish
Body, Metal parts	Brass per QQ-B-626	Selective Gold/Gold
Outer Contacts	Phosphor Bronze	Gold
Centre Contacts Male	Brass	Gold
Centre Contacts Female	Beryllium copper	Gold
Insulator	Teflon	N/A
Panel ring	Delrin	N/A
Ferrule	Brass	Nickel

Mechanical Specifications

Engagement force	All snap-on, Screw-Lock & Posi lock styles except U links = 13.5 lbs max. (60 N)
Disengagement force	All snap-on, Screw-Lock & Posi lock styles except U links = 13.5 lbs (60 N) max., 8 N (1.8 lbs) min.
Cable Retention (Plug Connectors)	49.46 lbs (220 N min). ***
Cable Retention (Socket Connectors)	49.46 lbs (220 N min). ***
Centre Contact Retention (Plug Connectors)	5 lbs (22 N min.)
Centre Contact Retention (Socket Connectors)	5 lbs (22 N min.)
*** Note, lower cable retention value for RG179 - 13.5 lbs (60 N min.) and BT3002/TZC 75024 - 33.72 lbs (150 N min.).	



Socket

Letter	Millimeters [Inches]	
	Minimum	Maximum
B	-	3.33 [.131]
D	3.58 [.141]	-
E	3.58 [.141]	-
F	-	1.98 [.078]
G	0.18 [.007]	-
H	0.18 [.007]	0.94 [.037]
J	2.97 [.117]	-

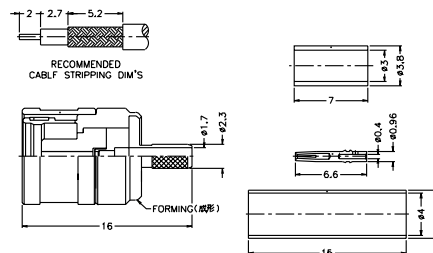
Plug

Letter	Millimeters [Inches]	
	Minimum	Maximum
A	6.20 [.244]	6.20 [.244]
B	3.35 [.132]	-
D	2.36 [.093]	-
E	-	2.97 [.117]
F	-	0.18 [.007]
G	1.32 [.052]	-
H	0.25 [.010]	-
J	-	0.18 [.007]
K	3.33 [.131]	3.58 [.141]
L	5.97 [.117]	6.07 [.239]
M	0.05 [.002]	0.15 [.006]
N	-	0.13 [.005]
Q	-	0.25 [.010]
R	0.48 [.019]	0.53 [.021]
S	0.15 [.006]	0.25 [.010]
T	2.01 [.079]	-
U	0.00	-
V	0.10 [.004]	0.20 [.008]
W	-	6.99 [.275]
X	-	7.94 [.313]

Crimp Attachment for flexible Cable

Straight Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6121A6-002-N/3GT30G-6-7506	06	Gold	Teflon	75	1 or 2
SMZ6121A6-3GT30G-6-7506	06	Gold	Teflon	75	1 or 2
SMZ6121A6-3GT30G-16-7516	16	Gold	Teflon	75	9
SMZ6121A6-3GT30G-16A-7516A	16A	Gold	Teflon	75	9
SMZ6121A6-3GT30G-19-7519	19	Gold	Teflon	75	9



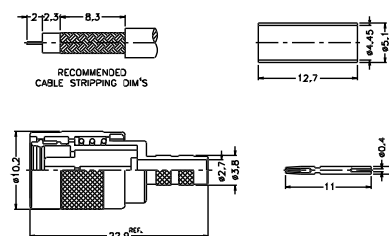
Note: Female center contact

Straight Crimp Plug - Snap Lock - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6121L1-N/3GT30G-6-7506	06	Nickel	Teflon	75	1 or 2
SMZ6121L1-N/3GT30G-6A-7506A	06A	Nickel	Teflon	75	2
SMZ6121L1-N/3GT30G-19-7519	19	Nickel	Teflon	75	3



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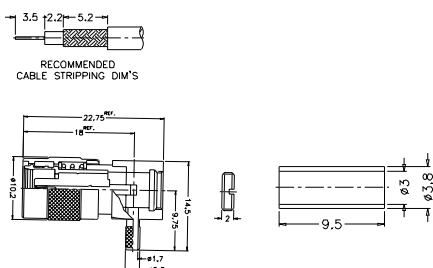


Note: Female center contact

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Right Angle Crimp Plug - Snap - Lock - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6112L1-N/3GT30G-6-7506	06	Nickel	Teflon	75	1 or 2
SMZ6112L1-N/3GT30G-6A-7506A	06A	Nickel	Teflon	75	2
SMZ6112L1-N/3GT30G-19-7519	19	Nickel	Teflon	75	3

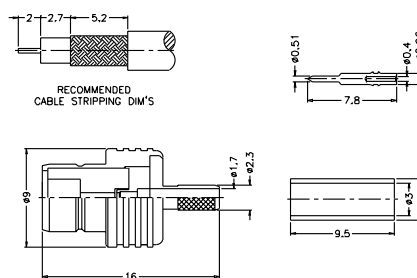


Note Female center contact

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Straight Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ1121A6-NT30G-6-7506	06	Nickel	Teflon	75	1 or 2
SMZ1121A6-3GT30G-6-7506	06	Gold	Teflon	75	1 or 2
SMZ1121A6-3GT30G-19-7519	19	Gold	Teflon	75	3



Note Male center contact

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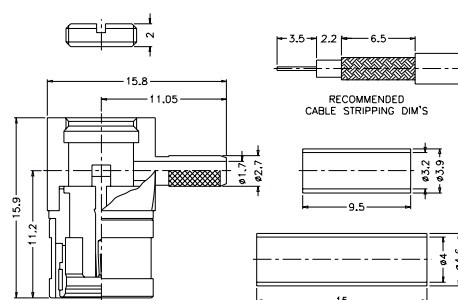
Crimp Attachment for Flexible Cable

Right Angle Crimp Plug - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ6112A6-NT30G-6-75	06	Nickel	Teflon	75	1 or 2
SMZ6112A6-3GT30G-6-75	06	Gold	Teflon	75	1 or 2
SMZ6112A6-3GT30G-19-75	19	Gold	Teflon	75	3



Note Female center contact



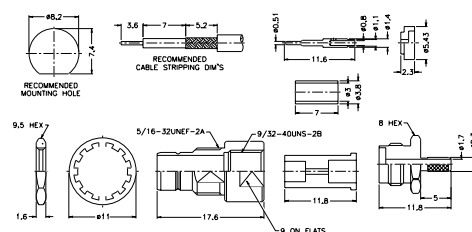
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Bulkhead Feedthrough Crimp Jack - Flexible Cable

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ1421G6-3GT30G-6-75	06	Gold	Teflon	75	1 or 2



Note Male center contact



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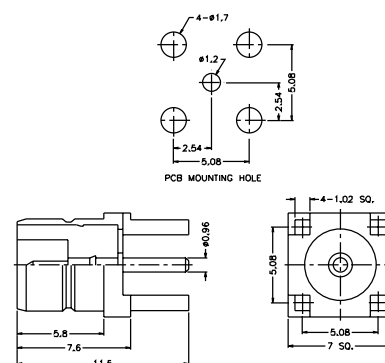
Printed circuit Board Connectors

Straight Jack for P.C. Board

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
SMZ1251B6-3GT30G-75	N/A	Gold	Teflon	75	N/A
SMZ1251B6-002-3GT30G-75 "4.43 mm (.175") PCB Legs"	N/A	Gold	Teflon	75	N/A



Note: Male center contact



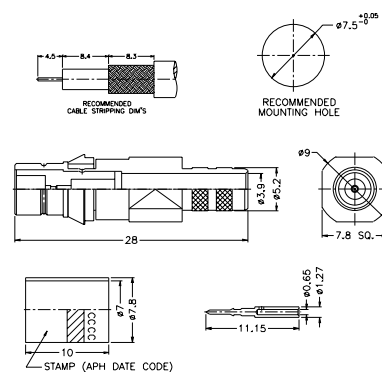
Note: Male center contact

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HDC type 43

Straight Plug

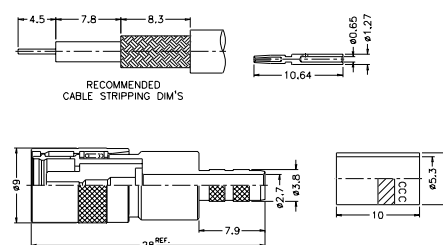
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H431421B2-N/10GT30G-2001-75N/A HDC43/1GTIS		Nickel	Teflon	75	N/A
H431421B2-N/10GT30G-2002-75N/A HDC43/2GTIS		Nickel	Teflon	75	55AR0052
H431421B2-N/10GT30G-2003-75N/A HDC43/3GTIS		Nickel	Teflon	75	Hex 6,83
H43121B1-N/10GT30G-6-75 HDC43/4GTIS	06	Nickel	Teflon	75	1
H431421B2-N/10GT30G-16A-75 HDC43/5GTIS	16A	Nickel	Teflon	75	3
H431421B2-001-N/10GT30G-75 HDC43/7GTIS	23	Nickel	Teflon	75	55AR0052



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Straight Jack

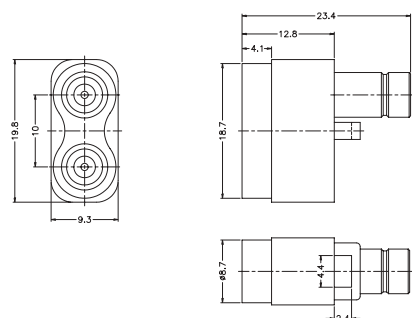
P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H436121B2-N/10GT30G-2001-75N/A HDC43/1FS		Nickel	Teflon	75	N/A
H436121B2-N/10GT30G-2002-75N/A HDC43/2FS		Nickel	Teflon	75	55AR0052
H436121B2-N/10GT30G-2003-75N/A HDC43/3FS		Nickel	Teflon	75	Hex 6,83
H436121B1-N/10GT30G-6-75 HDC43/4FS	06	Nickel	Teflon	75	1
H436121B2-N/10GT30G-16A-75 HDC43/5FS	16A	Nickel	Teflon	75	3
H436121B2-001-N/10GT30G-75 HDC43/7FS	23	Nickel	Teflon	75	55AR0052



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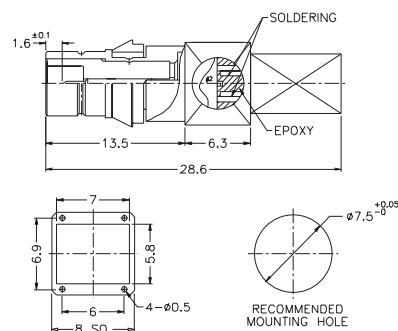
U-Link

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H439070A1-N/3GT30G-75 HDC43/10B	N/A	Nickel	Teflon	75	N/A
H437076A1-N/3GT30G-75 HDC43/10A	N/A	Gold	Teflon	75	N/A



HDC type 43 75/120 ohm Balun Plug

P.N.	Cable Group	Plt.	Ins.	Imp.	Crimp Tool
H43140100-3GT30G-75	N/A	Gold	Teflon	75	N/A



1. MAX. PANEL THICKNESS=5mm