

Introduction

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MIL-PRF-39012 QPL connectors all have gold-plated, captivated contacts. Specifications for body plating vary with series:

BNC, N, and TNC QPL connectors have silver-plated brass bodies.

SMA QPL connectors have stainless steel bodies, with passivated finish, except SMA connector bodies or ferrules to be soldered to semi-rigid cable jacket, which are gold plated.

SMC QPL connectors have gold- or silver-plated bodies.

M39012 QPL cable connectors are divided into categories which define their cable attachment types, and are assigned cable groups defined by the governing agency (DSCC). See following page for M39012 cable groups, and definitions of categories.

The latest revisions to MIL-PRF-39012, along with individual slash sheets, may be obtained from the DSCC website at <http://www.dsc.dla.mil>.

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MIL-PRF-39012 Cable Groups

M39012 QPL cable connectors are divided into categories which define their cable attachment methods:

Category A (flexible and semi-rigid cables): Field replaceable, no special tools required for assembly.

Many of our Category A QPL connectors in BNC, N, and TNC series are available with your choice of Improved Wedge-Lock or V-Groove cable attachment.

Category A connectors for flexible cable in SMA series are available with your choice of solder or Wedge-Lock cable attachment.

Category B (flexible and semi-rigid cables): Special tools may be required for assembly. (Most category B connectors use readily-available commercial tooling.)

Category C (flexible cables): Crimp connectors which can be assembled with specified tooling and die sizes.

Category D (flexible cables): Crimp connectors which can be assembled with specified tooling and die sizes, and also have defined sizes for crimp sleeves, contacts, and other parts. Category D connectors have crimpable center contacts.

Category E (semi-rigid cables): connectors with solder attachment, using specified cable stripping dimensions and standard tool kit.

Category F (semi-rigid cables): connectors with crimp attachment, using specified cable stripping dimensions and standard tool kit.

Refer to the tables at right to find cable groups for MIL-C-17 cables.

MIL-PRF-39012 Cable Groups—Flexible Cables

Cable M17/	Category		Cable M17/	Category		Cable M17/	Category	
	A	B, C, D		A	B, C, D		A	B, C, D
2-RG6	VIII	VIII	97-RG210	VII	VIIa	172-00001	II	IIa
6-RG11	X	Xc	110-RG302	VII	VIIa	173-00001	II	IIa
28-RG058	VI	VIa	111-RG303	VI	VIa	174-00001	X	Xb
29-RG59	VII	VIIa	112-RG304	VIII	VIII	175-00001	VI	VIb
30-RG062	VII	VIIa	119-RG174	II	IIa	180-00001	VIII	VIII
54-RG122	IV	IV	127-RG393	X	Xb	181-00001	X	Xc
60-RG142	VI	VIb	128-RG400	VI	VIb	183-00001	VI	VIa
62-RG144	X	Xc	133-RG316	II	IIa	184-00001	VII	VIIa
65-RG165	X	Xa	152-00001	III	III	185-00001	VII	VIIa
72-RG211	XIII	—	155-00001	VI	VIa	187-00001	IV	IV
73-RG212	VIII	VIII	157-00001	IV	IV	188-00001	VIII	VIII
74-RG213	X	Xa	158-00001	VI	VIb	189-00001	X	Xa
74-RG215	XI	—	159-00001	X	Xa	189-00002	XI	—
75-RG214	X	Xb	161-00001	XIII	—	190-00001	X	Xb
77-RG216	X	Xd	162-00001	VIII	VIII	191-00001	X	Xd
77-RG218	XIV	—	163-00001	X	Xa	192-00001	XII	XII
78-RG217	XII	XII	164-00001	X	Xb	194-00001	VI	VIb
84-RG223	VI	VIb	165-00001	XII	XII	195-00001	XIV	—
86-00001	X	Xb	166-00001	XIV	—	196-00001	II	IIa
90-RG71	VII	VIIb	167-00001	VI	VIb	197-00001	VI	VIa
92-RG115	IX	—	168-00001	IX	—	198-00001	IV	IV
93-RG178	I	I	169-00001	I	I	199-00001	VIII	VIII
94-RG179	II	IIb	170-00001	VI	VIa	200-00001	VI	VIb
95-RG180	V	V	171-00001	VIII	VIII			

MIL-PRF-39012 Cable Groups—Semi-Rigid Cables

Cable M17/	Group	Cable M17/	Group
129-RG401, 129-00001	XV	151-00001, 151-00002	XVIII
130- RG402, 130-00001 through -00007	XVI	154-00001, 154-00002	XIX
133- RG405, 133-00001 through -00011	XVII		

BNC Cable Plugs

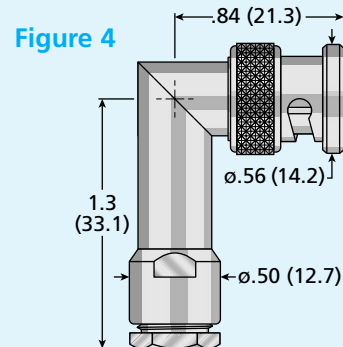
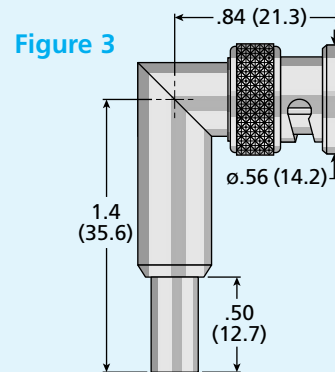
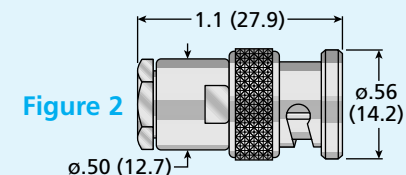
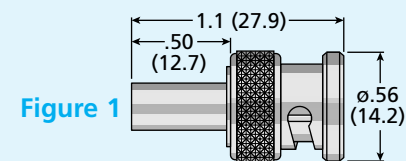
Straight Cable Plugs (M39012/16)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/16-0013	C	Via	Econo-Crimp	10-01009-001	1
M39012/16-0014	C	Vib	Econo-Crimp	10-01009-002	1
M39012/16-0015 ⁽¹⁾	C	VIIa	Econo-Crimp	10-01009-003	1
M39012/16-0016	C	IV	Econo-Crimp	10-01009-004	1
M39012/16-0017	C	VIIb	Econo-Crimp	10-01009-005	1
M39012/16-0101 ⁽²⁾	A	VI	V-Groove Wedge-Lock	10-01014-000 10-01001-000	2
M39012/16-0102 ⁽³⁾	A	VII	V-Groove Wedge-Lock	10-01014-001 10-01001-001	2
M39012/16-0103	A	IV	V-Groove Wedge-Lock	10-01014-002 10-01001-004	2
M39012/16-0220	A	II	Wedge-Lock	10-01001-018	2
M39012/16-0501	D	IV	Econo-Crimp	10-01009-007	1
M39012/16-0502	D	V	Econo-Crimp	10-01009-008	1
M39012/16-0503	D	Vib	Econo-Crimp	10-01009-009	1
M39012/16-0504	D	Via	Econo-Crimp	10-01009-010	1

⁽¹⁾ Supersedes M39012/16-0020. ⁽²⁾ Supersedes M39012/16-0111. ⁽³⁾ Supersedes M39012/16-0118.

Right Angle Cable Plugs (M39012/20)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/20-0006	C	Via	Econo-Crimp	10-10005-000	3
M39012/20-0007	C	Vib	Econo-Crimp	10-10005-001	3
M39012/20-0010	C	VIIb	Econo-Crimp	10-10005-002	3
M39012/20-0101	A	VI	V-Groove Wedge-Lock	10-10004-001 10-10001-000	4
M39012/20-0102 ⁽⁴⁾	A	VII	V-Groove Wedge-Lock	10-10004-000 10-10001-001	4
M39012/20-0501	D	IV	Econo-Crimp	10-10005-003	3
M39012/20-0502	D	V	Econo-Crimp	10-10005-004	3
M39012/20-0503	D	Vib	Econo-Crimp	10-10005-005	3
M39012/20-0504	D	Via	Econo-Crimp	10-10005-006	3

⁽⁴⁾ Supersedes M39012/20-0108.

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.



BNC Cable Jacks

Straight Cable Jacks (M39012/17)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/17-0013	C	Via	Econo-Crimp	10-16005-000	1
M39012/17-0014	C	Vib	Econo-Crimp	10-16005-001	1
M39012/17-0015 ⁽¹⁾	C	VIIa	Econo-Crimp	10-16005-002	1
M39012/17-0016	C	IV	Econo-Crimp	10-16005-003	1
M39012/17-0017	C	VIIb	Econo-Crimp	10-16005-004	1
M39012/17-0101 ⁽²⁾	A	VI	V-Groove Wedge-Lock	10-16003-001 10-16001-000	2
M39012/17-0102 ⁽³⁾	A	VII	V-Groove Wedge-Lock	10-16003-002 10-16001-001	2
M39012/17-0103	A	IV	V-Groove Wedge-Lock	10-16003-003 10-16001-002	2
M39012/17-0501	D	IV	Econo-Crimp	10-16005-006	1
M39012/17-0502	D	V	Econo-Crimp	10-16005-007	1
M39012/17-0503	D	Vib	Econo-Crimp	10-16005-008	1
M39012/17-0504	D	Via	Econo-Crimp	10-16005-009	1

⁽¹⁾ Supersedes M39012/17-0020. ⁽²⁾ Supersedes M39012/17-0111. ⁽³⁾ Supersedes M39012/17-0118.

Panel Cable Jacks (M39012/18)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/18-0013	C	Via	Econo-Crimp	10-19004-000	3
M39012/18-0014	C	Vib	Econo-Crimp	10-19004-001	3
M39012/18-0015 ⁽¹⁾	C	VIIa	Econo-Crimp	10-19004-002	3
M39012/18-0016	C	IV	Econo-Crimp	10-19004-003	3
M39012/18-0017	C	VIIb	Econo-Crimp	10-19004-004	3
M39012/18-0101 ⁽²⁾	A	VI	V-Groove Wedge-Lock	10-19002-000 10-19001-000	4
M39012/18-0102 ⁽³⁾	A	VII	V-Groove Wedge-Lock	10-19002-001 10-19001-001	4
M39012/18-0103	A	IV	V-Groove Wedge-Lock	10-19002-002 10-19001-002	4
M39012/18-0501	D	IV	Econo-Crimp	10-19004-006	3
M39012/18-0502	D	V	Econo-Crimp	10-19004-007	3
M39012/18-0503	D	Vib	Econo-Crimp	10-19004-008	3
M39012/18-0504	D	Via	Econo-Crimp	10-19004-009	3

⁽¹⁾ Supersedes M39012/18-0020. ⁽²⁾ Supersedes M39012/18-0111. ⁽³⁾ Supersedes M39012/18-0118.

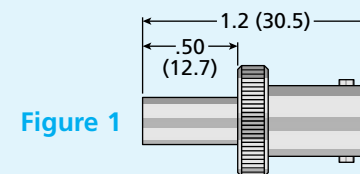


Figure 1

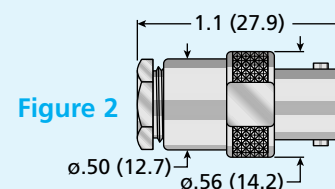


Figure 2

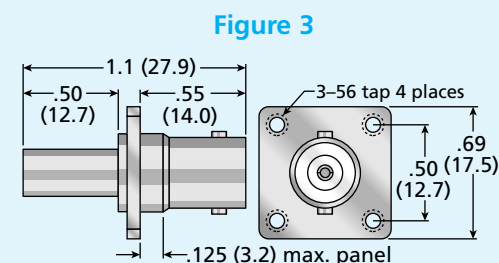


Figure 3

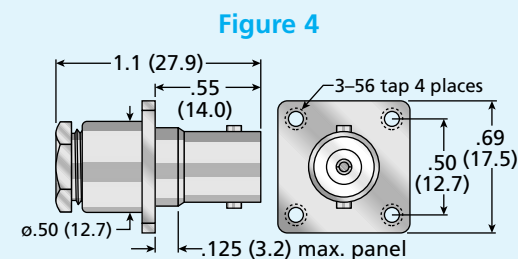


Figure 4

• See page 2 for cable groups and category definitions.

BNC Cable Jacks

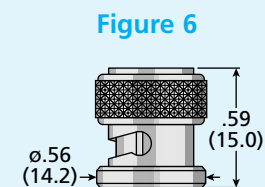
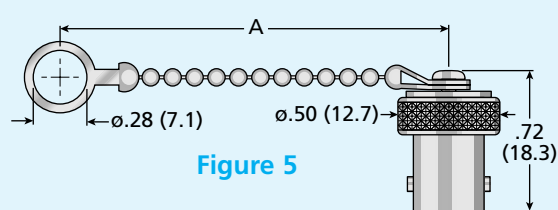
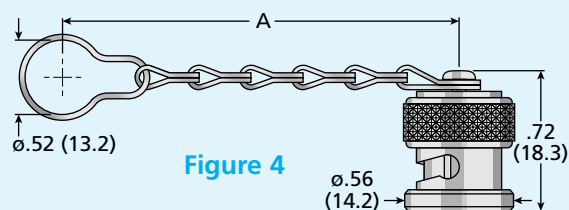
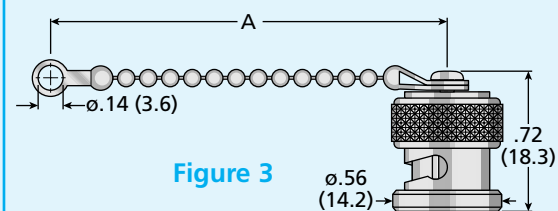
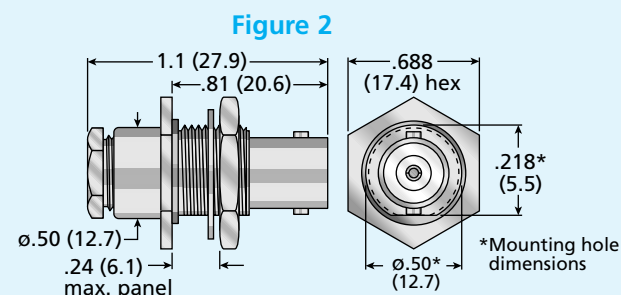
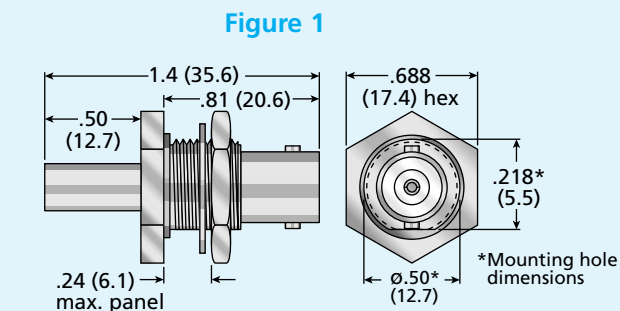
Bulkhead Cable Jacks (M39012/19)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/19-0013	C	Vla	Econo-Crimp	10-18007-000	1
M39012/19-0014	C	Vlb	Econo-Crimp	10-18007-001	1
M39012/19-0015 ⁽¹⁾	C	VIIa	Econo-Crimp	10-18007-002	1
M39012/19-0016	C	IV	Econo-Crimp	10-18007-003	1
M39012/19-0017	C	VIIb	Econo-Crimp	10-18007-004	1
M39012/19-0101 ⁽²⁾	A	VI	V-Groove Wedge-Lock	10-18004-000 10-08001-000	2
M39012/19-0102 ⁽³⁾	A	VII	V-Groove Wedge-Lock	10-18004-004 10-18001-001	2
M39012/19-0110	A	IV	V-Groove Wedge-Lock	10-18004-001 10-18001-007	2
M39012/19-0220	A	II	Wedge-Lock	10-18001-018	2
M39012/19-0501	D	IV	Econo-Crimp	10-18007-006	1
M39012/19-0502	D	V	Econo-Crimp	10-18007-007	1
M39012/19-0503	D	Vlb	Econo-Crimp	10-18007-008	1
M39012/19-0504	D	Vla	Econo-Crimp	10-18007-009	1

⁽¹⁾ Supersedes M39012/19-0020. ⁽²⁾ Supersedes M39012/19-0111. ⁽³⁾ Supersedes M39012/19-0118.

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Dust Caps (M39012/25)					
M39012 P/N	Mating	Dim. A	Chain	Automatic P/N	Figure
M39012/25-0006	Plug	2.25 (57.2)	Bead	10-92001-000	3
M39012/25-0007	Plug	2.70 (68.6)	Safety	10-92001-001	4
M39012/25-0008	Jack	3.25 (82.6)	Bead	10-93000-000	5
M39012/25-0015	Plug	—	None	10-92002-000	6
M39012/25-0016	Plug*	2.50 (63.5)	Bead	10-94000-000	3

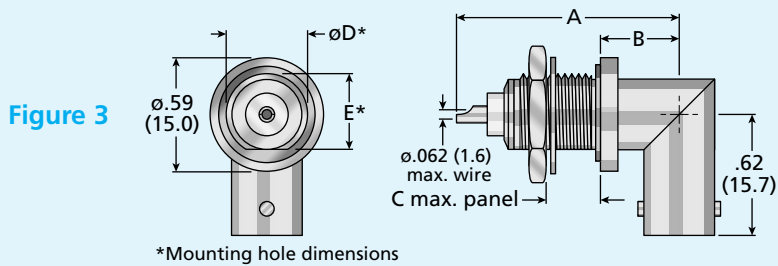
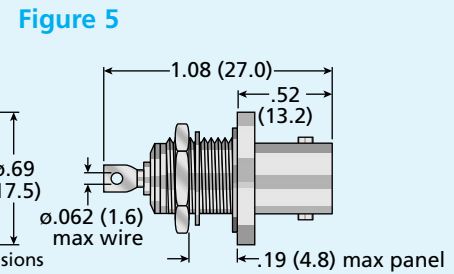
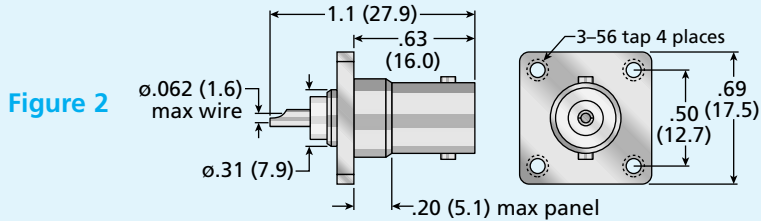
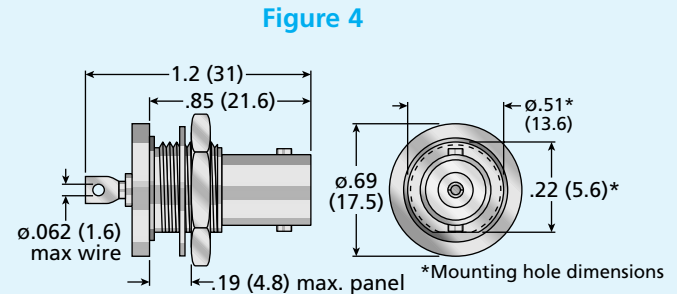
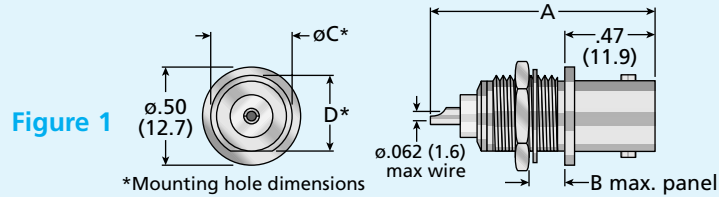
*Shorting type.





BNC Receptacles (M39012/21 through /24)

Bulkhead and Panel Receptacles								
M39012 P/N	Description	A	B	C	D	E	Automatic P/N	Figure
M39012/21-0001	Bulkhead jack, front mount, thin panel	1.1 (27.9)	.13 (3.3)	.44 (11.2)	.19 (4.8)	—	10-46003-001	1
M39012/21-0002	Bulkhead jack, front mount, thick panel	1.2 (30.5)	.26 (6.6)	.39 (9.9)	.16 (4.1)	—	10-46007-000	1
M39012/21-0003	Bulkhead jack, front mount, thick panel	1.2 (30.5)	.26 (6.6)	.39 (9.9)	.16 (4.1)	—	10-46003-000	1
M39012/22-0001	Panel jack, four-hole flange	—	—	—	—	—	10-48000-002	2
M39012/23-0001	Right angle bulkhead jack, thick panel	1.2 (30.4)	.41 (10.4)	.26 (6.6)	.41 (10.4)	.15 (3.8)	10-54001-001	3
M39012/23-0002	Right angle bulkhead jack, thin panel	1.03 (26.2)	.40 (10.2)	.13 (3.3)	.44 (11.2)	.19 (4.8)	10-54002-000	3
M39012/24-0001	Bulkhead jack, hermetic seal, rear mount	—	—	—	—	—	10-50000-001	4
M39012/24-0002	Bulkhead jack, hermetic seal, front mount	—	—	—	—	—	10-49001-001	5





N Cable Plugs

Straight Cable Plugs (M39012/01)

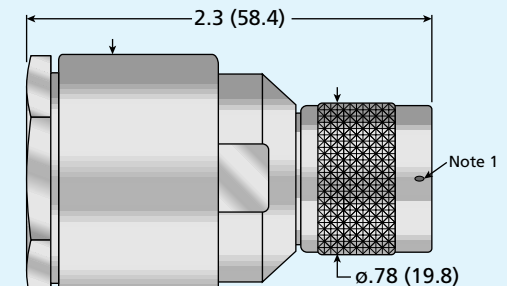
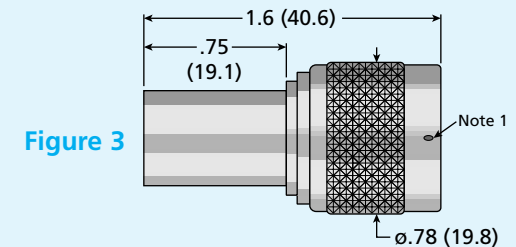
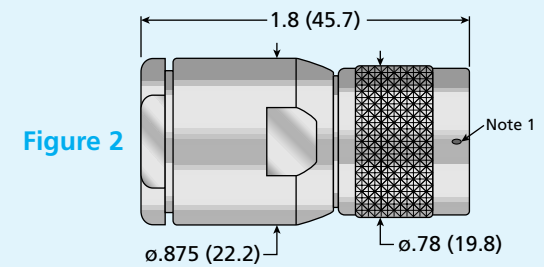
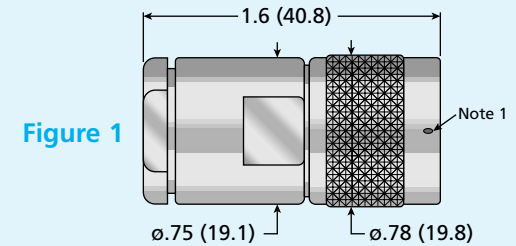
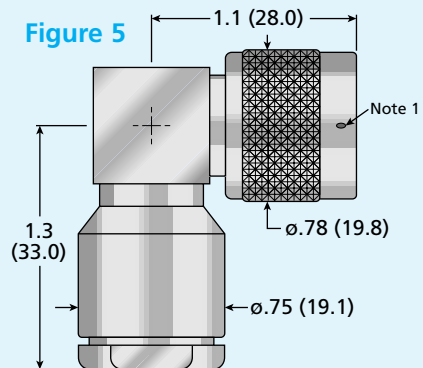
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/01-0005	A	X	V-Groove Wedge-Lock	20-01004-006 20-01001-000	1
M39012/01-0015	A	XII	Wedge-Lock	20-01001-004	2
M39012/01-0016 ⁽¹⁾	C	VIII	Econo-Crimp	20-01006-002	3
M39012/01-0017 ⁽²⁾	C	Xa	Econo-Crimp	20-01006-003	3
M39012/01-0018 ⁽³⁾	C	Xb	Econo-Crimp	20-01006-004	3
M39012/01-0023	C	Xc	Econo-Crimp	20-01006-006	3
M39012/01-0024	C	Xd	Econo-Crimp	20-01006-007	3
M39012/01-0101	A	VIII	Wedge-Lock	20-01001-006	1
M39012/01-0104	A	XIV	Wedge-Lock	20-01001-009	4
M39012/01-0125	C	XI	Wedge-Lock	20-01001-005	1
M39012/01-0501	D	Xb	Econo-Crimp	20-01006-009	3
M39012/01-0502	D	Xa	Econo-Crimp	20-01006-010	3
M39012/01-0503	D	Vlb	Econo-Crimp	20-01012-000	3
M39012/01-0504	D	Vla	Econo-Crimp	20-01012-001	3

⁽¹⁾ Supersedes M39012/01-0027. ⁽²⁾ Supersedes M39012/01-0021. ⁽³⁾ Supersedes M39012/01-0022.

Right Angle Cable Plugs (M39012/05)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/05-0006	A	VIII	Wedge-Lock	20-10001-001	5
M39012/05-0101	A	X	Wedge-Lock	20-10001-000	5

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.



Note 1: 3 lockwire holes, .027 (.69) minimum diameter, equally spaced.

N Cable Jacks

Straight Cable Jacks (M39012/02)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/02-0003	A	X	Wedge-Lock	20-16001-000	1
M39012/02-0019 ⁽¹⁾	C	VIII	Econo-Crimp	20-16000-001	2
M39012/02-0020 ⁽²⁾	C	Xa	Econo-Crimp	20-16000-002	2
M39012/02-0021 ⁽³⁾	C	Xb	Econo-Crimp	20-16000-003	2
M39012/02-0026	C	Xc	Econo-Crimp	20-16000-006	2
M39012/02-0039	C	Xd	Econo-Crimp	20-16000-007	2
M39012/02-0101	A	VIII	Wedge-Lock	20-16001-002	1
M39012/02-0131	A	XI	Wedge-Lock	20-16001-003	1
M39012/02-0501	D	Xb	Econo-Crimp	20-16000-009	2
M39012/02-0502	D	Xa	Econo-Crimp	20-16000-010	2
M39012/02-0503	D	VIb	Econo-Crimp	20-16007-000	2
M39012/02-0504	D	VIa	Econo-Crimp	20-16007-001	2

⁽¹⁾ Supersedes M39012/02-0040. ⁽²⁾ Supersedes M39012/02-0024. ⁽³⁾ Supersedes M39012/01-0025.

Panel Cable Jacks (M39012/02)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/02-0006	A	X	Wedge-Lock	20-19001-000	3
M39012/02-0027 ⁽¹⁾	C	VIII	Econo-Crimp	20-19004-004	4
M39012/02-0028 ⁽²⁾	C	Xa	Econo-Crimp	20-90004-001	4
M39012/02-0029 ⁽³⁾	C	Xb	Econo-Crimp	20-19004-000	4
M39012/02-0030	C	Xd	Econo-Crimp	20-19004-005	4
M39012/02-0042	C	Xc	Econo-Crimp	20-19004-002	4
M39012/02-0104	A	VIII	Wedge-Lock	20-19001-001	3
M39012/02-0132	A	XI	Wedge-Lock	20-19001-002	3
M39012/02-0133	A	XII	Wedge-Lock	20-19001-003	3
M39012/02-0511	D	Xb	Econo-Crimp	20-19004-009	4
M39012/02-0512	D	Xa	Econo-Crimp	20-19004-010	4
M39012/02-0513	D	VIb	Econo-Crimp	20-19007-000	4
M39012/02-0514	D	VIa	Econo-Crimp	20-19007-001	4

⁽¹⁾ Supersedes M39012/02-0043. ⁽²⁾ Supersedes M39012/02-0041. ⁽³⁾ Supersedes M39012/01-0034.

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Figure 1

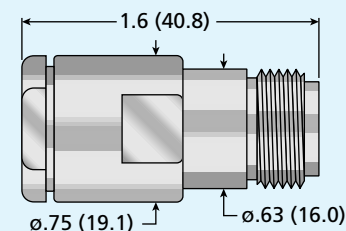


Figure 2

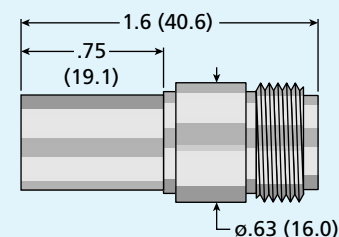
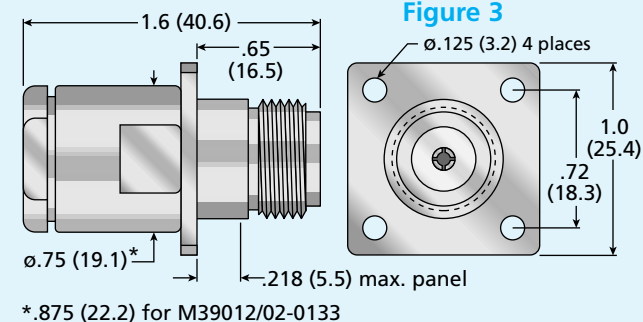
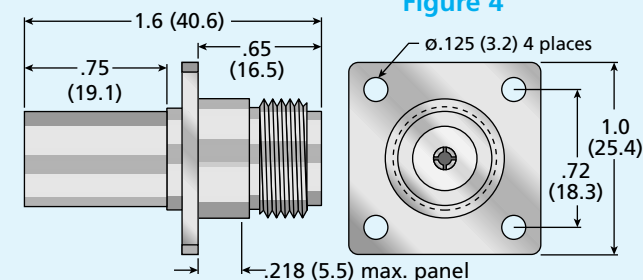


Figure 3



*.875 (22.2) for M39012/02-0133

Figure 4





N Cable Jacks and Receptacles

Bulkhead Cable Jacks (M39012/03)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/03-0012	A	X	Wedge-Lock	20-18001-000	1
M39012/03-0013 ⁽¹⁾	C	VIII	Econo-Crimp	20-18005-006	2
M39012/03-0014 ⁽²⁾	C	Xa	Econo-Crimp	20-18005-003	2
M39012/03-0015 ⁽³⁾	C	Xb	Econo-Crimp	20-18005-001	2
M39012/03-0020	C	Xc	Econo-Crimp	20-18005-005	2
M39012/03-0021	C	Xd	Econo-Crimp	20-18005-007	2
M39012/03-0101	A	VIII	Wedge-Lock	20-18001-003	1
M39012/03-0102	A	XII	Wedge-Lock	20-18001-011	1
M39012/03-0501	D	Xb	Econo-Crimp	20-18005-004	2
M39012/03-0502	D	Xa	Econo-Crimp	20-18005-009	2
M39012/03-0503	D	VIb	Econo-Crimp	20-18010-000	2
M39012/03-0504	D	VIa	Econo-Crimp	20-18010-001	2

⁽¹⁾ Supersedes M39012/03-0023. ⁽²⁾ Supersedes M39012/03-0018. ⁽³⁾ Supersedes M39012/03-0019.

Jack Receptacles (M39012/04)

M39012 P/N	Type	Automatic P/N	Figure
M39012/04-0001	Bulkhead (front mount), hermetic	20-49001-000	3
M39012/04-0002	Panel mount	20-48001-003	4
M39012/04-0003	Bulkhead (rear mount)	20-47001-000	5

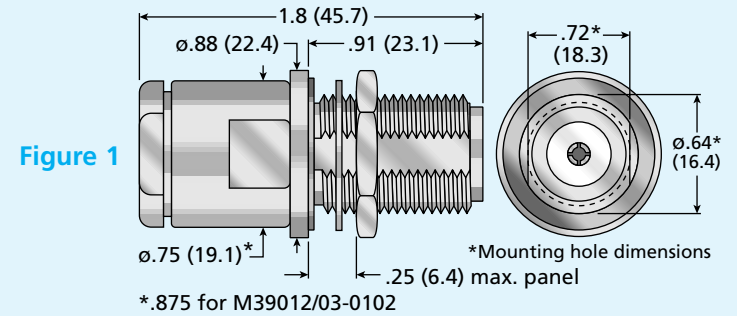


Figure 1

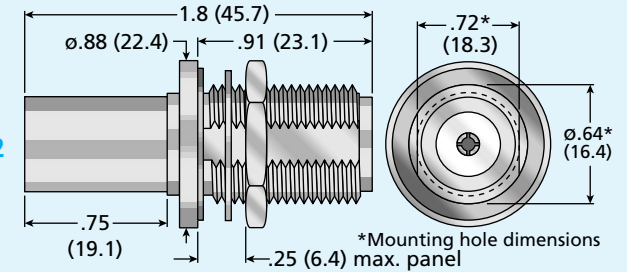


Figure 2

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Figure 3

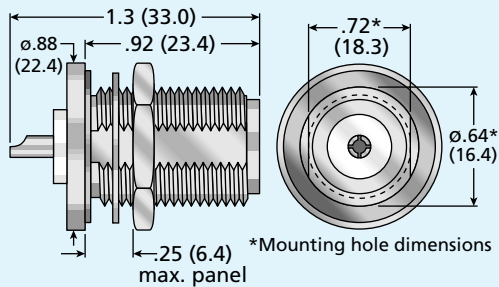


Figure 4

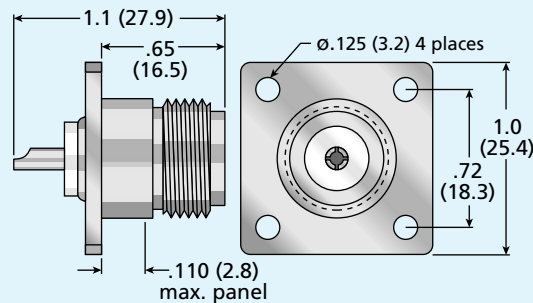
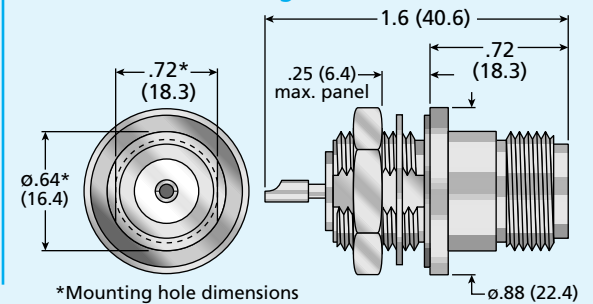


Figure 5



SMA Cable Plugs for Flexible Cable

Straight Plugs (M39012/55)—With Lockwire Holes					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/55-3006	A	I	Solder	33-10009-008	1
			Wedge-Lock	33-01001-004	2
M39012/55-3007	A	II	Solder	33-10009-009	1
			Wedge-Lock	33-01001-000	2
M39012/55-3008	A	IV	Solder	33-01010-020	1
			Wedge-Lock	33-01001-003	2
M39012/55-3009	A	VI	Solder	33-01010-021	1
			Wedge-Lock	33-01001-021	2
M39012/55-3010	A	VIa	Solder	33-01010-022	1
			Wedge-Lock	33-01001-002	2
M39012/55B3011	B	I	X-Crimp	33-01009-000	3
M39012/55B3012	B	IIa	X-Crimp	33-01009-001	3
M39012/55B3013	B	IV	X-Crimp	33-01010-000	3
M39012/55B3014	B	VIa	X-Crimp	33-01010-001	3
M39012/55B3015	B	VIb	X-Crimp	33-01010-002	3
M39012/55B3016	B	VIb	X-Crimp	33-01010-003	3
M39012/55B3017	B	VIa	X-Crimp	33-01010-004	3
M39012/55B3018	B	I	X-Crimp	33-01009-002	3
M39012/55B3019	B	IIa	X-Crimp	33-01009-003	3
M39012/55B3020	B	IV	X-Crimp	33-01010-005	3
M39012/55B3021	B	VIa	X-Crimp	33-01010-006	3
M39012/55B3022	B	VIb	X-Crimp	33-01010-007	3
M39012/55B3023	B	VIb	X-Crimp	33-01010-008	3
M39012/55B3024	B	VIa	X-Crimp	33-01010-009	3
M39012/55-3025	C	I	X-Crimp	33-01011-000	3
M39012/55-3026	C	IIa	Econo-Crimp	33-01012-000	4
M39012/55-3027	C	IV	Econo-Crimp	33-01077-003	4
M39012/55-3028	C	VIb	Econo-Crimp	33-01077-001	4
M39012/55-3029	C	VIa	Econo-Crimp	33-01077-002	4
M39012/55-3030	A	III	Wedge-Lock	33-01001-025	2
M39012/55-3502	D	VIb	Econo-Crimp	33-01077-007	4

Straight Plugs (M39012/55)—Without Lockwire Holes					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/55-3106	A	I	Wedge-Lock	33-01001-009	2
M39012/55-3107	A	II	Wedge-Lock	33-01001-010	2
M39012/55-3108	A	IV	Wedge-Lock	33-01001-011	2
M39012/55-3109	A	VI	Wedge-Lock	33-01001-022	2
M39012/55-3110	A	VIa	Wedge-Lock	33-01001-013	2
M39012/55B3111	B	I	X-Crimp	33-01009-004	3
M39012/55B3112	B	IIa	X-Crimp	33-01009-005	3
M39012/55B3113	B	IV	X-Crimp	33-01010-010	3
M39012/55B3114	B	VIa	X-Crimp	33-01010-011	3
M39012/55B3115	B	VIb	X-Crimp	33-01010-012	3
M39012/55B3116	B	VIb	X-Crimp	33-01010-013	3
M39012/55B3117	B	VIa	X-Crimp	33-01010-014	3
M39012/55B3118	B	I	X-Crimp	33-01009-006	3
M39012/55B3119	B	IIa	X-Crimp	33-01009-007	3
M39012/55B3120	B	IV	X-Crimp	33-01010-015	3
M39012/55B3121	B	VIa	X-Crimp	33-01010-016	3
M39012/55B3122	B	VIb	X-Crimp	33-01010-017	3
M39012/55B3123	B	VIb	X-Crimp	33-01010-018	3
M39012/55B3124	B	VIa	X-Crimp	33-01010-019	3
M39012/55-3125	C	I	X-Crimp	33-01011-001	3
M39012/55-3126	C	IIa	Econo-Crimp	33-01012-002	4
M39012/55-3127	C	IV	Econo-Crimp	33-01077-004	4
M39012/55-3128	C	VIb	Econo-Crimp	33-01077-005	4
M39012/55-3129	C	VIa	Econo-Crimp	33-01077-006	4
M39012/55-3130	A	III	Wedge-Lock	33-01001-026	2
M39012/55-3602	D	VIb	Econo-Crimp	33-01077-008	4

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Figure 1

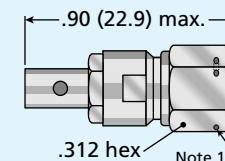


Figure 2

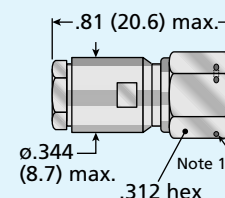


Figure 3

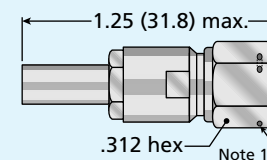
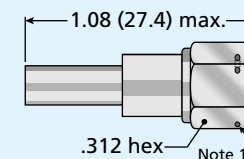


Figure 4



Note 1: 3 lockwire holes, .016 (.41) minimum diameter, equally spaced.

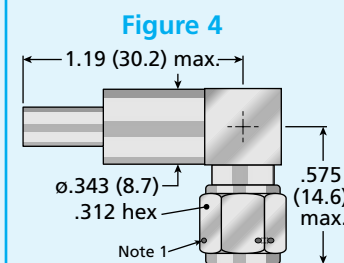
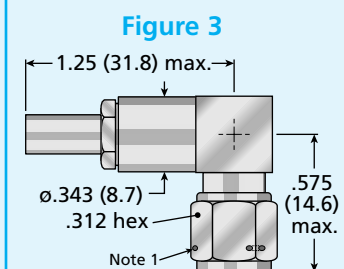
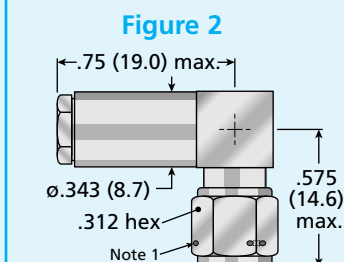
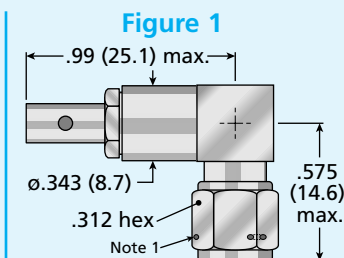
SMA Cable Plugs for Flexible Cable

Right Angle Plugs (M39012/56)—With Lockwire Holes					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/56-3006	A	I	Solder	33-10004-000	1
			Wedge-Lock	33-10001-004	2
M39012/56-3007	A	II	Solder	33-10004-005	1
			Wedge-Lock	33-10001-000	2
M39012/56-3008	A	IV	Solder	33-10005-010	1
			Wedge-Lock	33-10001-003	2
M39012/56-3009	A	VI	Solder	33-10005-011	1
			Wedge-Lock	33-10001-017	2
M39012/56-3010	A	VIa	Solder	33-10005-012	1
			Wedge-Lock	33-10001-002	2
M39012/56B3018	B	I	X-Crimp	33-10004-000	3
M39012/56B3019	B	IIa	X-Crimp	33-10004-001	3
M39012/56B3020	B	IV	X-Crimp	33-10005-000	3
M39012/56B3021	B	VIa	X-Crimp	33-10005-001	3
M39012/56B3022	B	VIb	X-Crimp	33-10005-002	3
M39012/56B3023	B	VIb	X-Crimp	33-10005-003	3
M39012/56B3024	B	VIa	X-Crimp	33-10005-004	3
M39012/56-3025	C	I	X-Crimp	33-10007-000	3
M39012/56-3026	C	IIa	Econo-Crimp	33-10008-000	4
M39012/56-3027	C	IV	Econo-Crimp	33-10009-000	4
M39012/56-3028	C	VIb	Econo-Crimp	33-10009-001	4
M39012/56-3029	C	VIa	Econo-Crimp	33-10009-002	4
M39012/56-3030	A	III	Wedge-Lock	33-01001-022	2
M39012/56-3502	D	VIb	Econo-Crimp	33-10009-006	4

Right Angle Plugs (M39012/56)—Without Lockwire Holes					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/56-3106	A	I	Wedge-Lock	33-10001-009	2
M39012/56-3107	A	II	Wedge-Lock	33-10001-010	2
M39012/56-3108	A	IV	Wedge-Lock	33-10001-011	2
M39012/56-3109	A	VI	Wedge-Lock	33-10001-018	2
M39012/56-3110	A	VIa	Wedge-Lock	33-01001-013	2
M39012/56B3118	B	I	X-Crimp	33-10004-002	3
M39012/56B3119	B	IIa	X-Crimp	33-10004-003	3
M39012/56B3120	B	IV	X-Crimp	33-10005-005	3
M39012/56B3121	B	VIa	X-Crimp	33-10005-006	3
M39012/56B3122	B	VIb	X-Crimp	33-10005-007	3
M39012/56B3123	B	VIb	X-Crimp	33-10005-008	3
M39012/56B3124	B	VIa	X-Crimp	33-10005-009	3
M39012/56-3125	C	I	X-Crimp	33-10007-001	3
M39012/56-3126	C	IIa	Econo-Crimp	33-10008-002	4
M39012/56-3127	C	IV	Econo-Crimp	33-10009-003	4
M39012/56-3128	C	VIb	Econo-Crimp	33-10009-004	4
M39012/56-3129	C	VIa	Econo-Crimp	33-10009-005	4
M39012/56-3130	A	III	Wedge-Lock	33-01001-023	2
M39012/56-3602	D	VIb	Econo-Crimp	33-10009-007	4

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Note 1: 3 lockwire holes, .016 (.41) minimum diameter, equally spaced.



SMA Cable Plugs for Semi-Rigid Cable

Straight Plugs (M39012/79)—*With* Lockwire Holes

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/79B3001	B	XVII	Solder-clamp	33-01054-001	1
M39012/79B3002	B	XVI	Solder-clamp	33-01054-002	1
M39012/79B3003	B	XVII	Solder-clamp	33-01054-003	1
M39012/79B3004	B	XVI	Solder-clamp	33-01054-004	1
M39012/79-3007	E	XVII	Solder-clamp	33-01054-005	1
M39012/79-3008	E	XVI	Solder-clamp	33-01054-006	1

Straight Plugs (M39012/79)—*Without* Lockwire Holes

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/79B3101	B	XVII	Solder-clamp	33-01054-008	1
M39012/79B3102	B	XVI	Solder-clamp	33-01054-009	1
M39012/79B3103	B	XVII	Solder-clamp	33-01054-010	1
M39012/79B3104	B	XVI	Solder-clamp	33-01054-011	1
M39012/79-3107	E	XVII	Solder-clamp	33-01054-012	1
M39012/79-3108	E	XVI	Solder-clamp	33-01054-013	1

Right Angle Plugs (M39012/80)—*With* Lockwire Holes

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/80B3001	B	XVII	Solder-clamp	33-10006-000	2
M39012/80B3002	B	XVI	Solder-clamp	33-10006-001	2
M39012/80B3003	B	XVII	Solder-clamp	33-10006-002	2
M39012/80B3004	B	XVI	Solder-clamp	33-10006-003	2
M39012/80-3005	E	XVII	Solder-clamp	33-10006-004	2
M39012/80-3006	E	XVI	Solder-clamp	33-10006-005	2
M39012/80-3007	E	XVII	Solder-clamp	33-10006-006	2
M39012/80-3008	E	XVI	Solder-clamp	33-10006-007	2

Right Angle Plugs (M39012/80)—*Without* Lockwire Holes

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/80B3101	B	XVII	Solder-clamp	33-10006-009	2
M39012/80B3102	B	XVI	Solder-clamp	33-10006-010	2
M39012/80B3103	B	XVII	Solder-clamp	33-10006-011	2
M39012/80B3104	B	XVI	Solder-clamp	33-10006-012	2
M39012/80-3105	E	XVII	Solder-clamp	33-10006-013	2
M39012/80-3106	E	XVI	Solder-clamp	33-10006-014	2
M39012/80-3107	E	XVII	Solder-clamp	33-10006-015	2
M39012/80-3108	E	XVI	Solder-clamp	33-10006-016	2

Figure 1

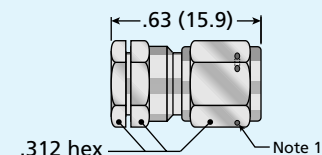
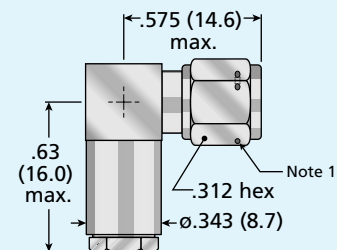


Figure 2



Note 1: 3 lockwire holes, .016 (.41) minimum diameter, equally spaced.

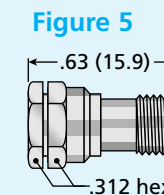
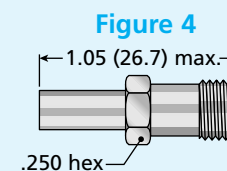
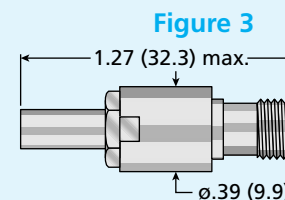
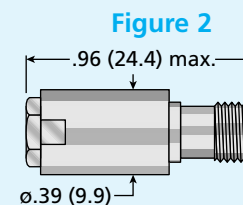
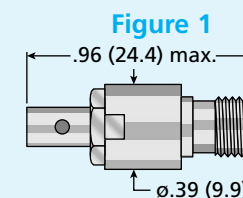
- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

SMA Cable Jacks for Flexible and Semi-Rigid Cable

Straight Jacks (M39012/57)—for Flexible Cable					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/57-3006	A	I	Solder Wedge-Lock	33-16005-002 33-16001-004	1 2
M39012/57-3007	A	II	Solder Wedge-Lock	33-16006-002 33-16001-000	1 2
M39012/57-3008	A	IV	Solder Wedge-Lock	33-16007-002 33-16001-003	1 2
M39012/57-3009	A	VI	Solder Wedge-Lock	33-16008-008 33-16001-007	1 2
M39012/57-3010	A	VIa	Solder Wedge-Lock	33-16008-009 33-16001-002	1 2
M39012/57B3011	B	I	X-Crimp	33-16005-000	3
M39012/57B3012	B	IIa	X-Crimp	33-16006-000	3
M39012/57B3013	B	IV	X-Crimp	33-16007-000	3
M39012/57B3014	B	VIa	X-Crimp	33-16008-000	3
M39012/57B3015	B	VIb	X-Crimp	33-16008-001	3
M39012/57B3016	B	VIb	X-Crimp	33-16008-002	3
M39012/57B3017	B	VIa	X-Crimp	33-16008-003	3
M39012/57B3018	B	I	X-Crimp	33-16005-001	3
M39012/57B3019	B	IIa	X-Crimp	33-16006-001	3
M39012/57B3020	B	IV	X-Crimp	33-16007-001	3
M39012/57B3021	B	VIa	X-Crimp	33-16008-004	3
M39012/57B3022	B	VIb	X-Crimp	33-16008-005	3
M39012/57B3023	B	VIb	X-Crimp	33-16008-008	3
M39012/57B3024	B	VIa	X-Crimp	33-16008-007	3
M39012/57-3025	C	I	X-Crimp	33-16009-000	3
M39012/57-3026	C	IIa	Econo-Crimp	33-16010-000	4
M39012/57-3027	C	IV	Econo-Crimp	33-16010-001	4
M39012/57-3028	C	VIb	Econo-Crimp	33-16010-002	4
M39012/57-3029	C	VIa	Econo-Crimp	33-16010-003	4
M39012/57-3030	A	III	Wedge-Lock	33-16001-010	2
M39012/57-3502	D	VIb	Econo-Crimp	33-16010-004	4

Straight Jacks (M39012/81)—for Semi-Rigid Cable					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/81B3001	B	XVII	Solder-Clamp	33-16003-000	5
M39012/81B3002	B	XVI	Solder-Clamp	33-16003-001	5
M39012/81B3003	B	XVII	Solder-Clamp	33-16003-002	5
M39012/81B3004	B	XVI	Solder-Clamp	33-16003-003	5
M39012/81-3005	E	XVII	Solder-Clamp	33-16003-004	5
M39012/81-3006	E	XVI	Solder-Clamp	33-16003-005	5
M39012/81-3007	E	XVII	Solder-Clamp	33-16003-006	5
M39012/81-3008	E	XVI	Solder-Clamp	33-16003-007	5

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.



SMA Panel Jacks for Flexible and Semi-Rigid Cable

Panel Jacks (M39012/58)—for Flexible Cable					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/58-3006	A	I	Solder	33-19006-000	1
			Wedge-Lock	33-19004-004	2
M39012/58-3007	A	II	Solder	33-19007-000	1
			Wedge-Lock	33-16001-000	2
M39012/58-3008	A	IV	Solder	33-19008-000	1
			Wedge-Lock	33-19001-003	2
M39012/58-3009	A	VI	Solder	33-19009-000	1
			Wedge-Lock	33-19001-009	2
M39012/58-3010	A	VIa	Solder	33-19009-001	1
			Wedge-Lock	33-19001-002	2
M39012/58B3011	B	I	X-Crimp	33-19006-001	3
M39012/58B3012	B	IIa	X-Crimp	33-19007-001	3
M39012/58B3013	B	IV	X-Crimp	33-19008-001	3
M39012/58B3014	B	VIa	X-Crimp	33-19009-002	3
M39012/58B3015	B	VIb	X-Crimp	33-19009-003	3
M39012/58B3016	B	VIb	X-Crimp	33-19009-004	3
M39012/58B3017	B	VIa	X-Crimp	33-19009-005	3
M39012/58B3018	B	I	X-Crimp	33-19006-002	3
M39012/58B3019	B	IIa	X-Crimp	33-19007-002	3
M39012/58B3020	B	IV	X-Crimp	33-19008-002	3
M39012/58B3021	B	VIa	X-Crimp	33-19009-006	3
M39012/58B3022	B	VIb	X-Crimp	33-19009-007	3
M39012/58B3023	B	VIb	X-Crimp	33-19009-008	3
M39012/58B3024	B	VIa	X-Crimp	33-19009-009	3
M39012/58-3025	C	I	X-Crimp	33-19011-000	3
M39012/58-3026	C	IIa	Econo-Crimp	33-19010-000	4
M39012/58-3027	C	IV	Econo-Crimp	33-19010-001	4
M39012/58-3028	C	VIb	Econo-Crimp	33-19010-002	4
M39012/58-3029	C	VIa	Econo-Crimp	33-19010-003	4
M39012/58-3030	A	III	Wedge-Lock	33-16001-010	2
M39012/58-3502	D	VIb	Econo-Crimp	33-16010-004	4

Panel Jacks (M39012/82)—for Semi-Rigid Cable					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/82B3001	B	XVII	Solder-Clamp	33-19004-000	5
M39012/82B3002	B	XVI	Solder-Clamp	33-19004-001	5
M39012/82B3003	B	XVII	Solder-Clamp	33-19004-002	5
M39012/82B3004	B	XVI	Solder-Clamp	33-19004-003	5
M39012/82-3005	E	XVII	Solder-Clamp	33-19004-004	5
M39012/82-3006	E	XVI	Solder-Clamp	33-19004-005	5
M39012/82-3007	E	XVII	Solder-Clamp	33-19004-006	5
M39012/82-3008	E	XVI	Solder-Clamp	33-19004-007	5

Figure 1

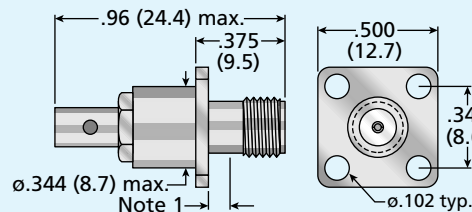


Figure 2

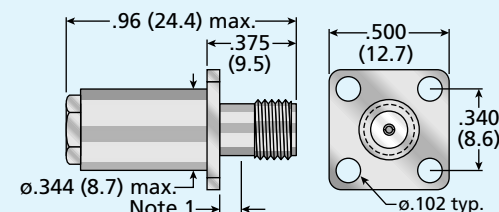


Figure 3

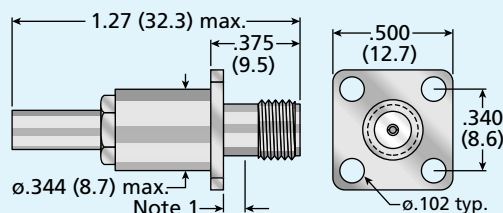


Figure 4

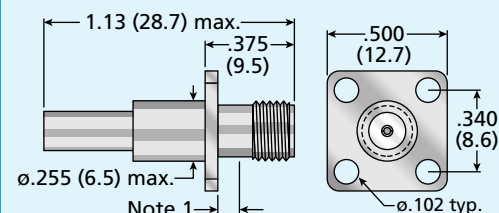
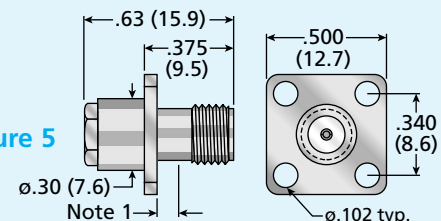


Figure 5

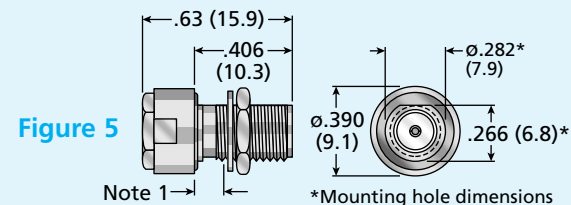
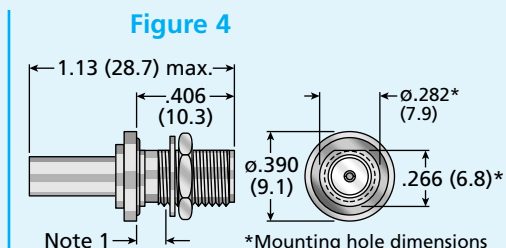
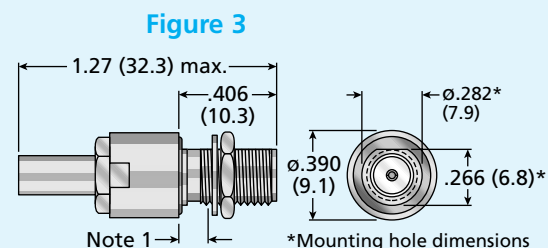
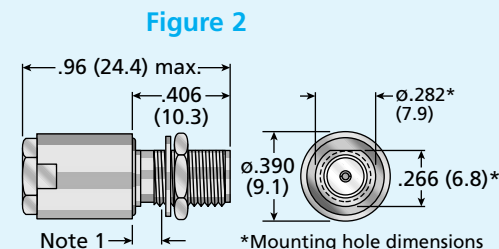
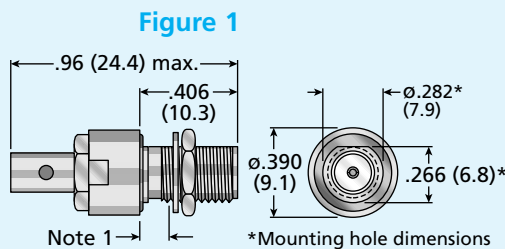


- See page 2 for cable groups and category definitions.
 - See pages 21–24 for complete descriptions and illustrations of cable attachment types.
- Note 1: .095 (2.4) maximum panel.

SMA Bulkhead Jacks for Flexible and Semi-Rigid Cable

Bulkhead Jacks (M39012/59)—for Flexible Cable					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/59-3006	A	I	Solder Wedge-Lock	33-18006-000 33-18001-004	1 2
M39012/59-3007	A	II	Solder Wedge-Lock	33-18007-000 33-18001-000	1 2
M39012/59-3008	A	IV	Solder Wedge-Lock	33-18008-000 33-18001-003	1 2
M39012/59-3009	A	VI	Solder Wedge-Lock	33-18009-000 33-18001-010	1 2
M39012/59-3010	A	VIa	Solder Wedge-Lock	33-18009-001 33-18001-002	1 2
M39012/59B3011	B	I	X-Crimp	33-18006-001	3
M39012/59B3012	B	Ila	X-Crimp	33-18007-001	3
M39012/59B3013	B	IV	X-Crimp	33-18008-001	3
M39012/59B3014	B	VIa	X-Crimp	33-18009-002	3
M39012/59B3015	B	VIb	X-Crimp	33-18009-003	3
M39012/59B3016	B	VIb	X-Crimp	33-18009-004	3
M39012/59B3017	B	VIa	X-Crimp	33-18009-005	3
M39012/59B3018	B	I	X-Crimp	33-18006-002	3
M39012/59B3019	B	Ila	X-Crimp	33-18007-002	3
M39012/59B3020	B	IV	X-Crimp	33-18008-002	3
M39012/59B3021	B	VIa	X-Crimp	33-18009-006	3
M39012/59B3022	B	VIb	X-Crimp	33-18009-007	3
M39012/59B3023	B	VIb	X-Crimp	33-18009-008	3
M39012/59B3024	B	VIa	X-Crimp	33-18009-009	3
M39012/59-3025	C	I	X-Crimp	33-18010-000	3
M39012/59-3026	C	Ila	Econo-Crimp	33-18011-000	4
M39012/59-3027	C	IV	Econo-Crimp	33-18011-001	4
M39012/59-3028	C	VIb	Econo-Crimp	33-18011-002	4
M39012/59-3029	C	VIa	Econo-Crimp	33-18011-003	4
M39012/59-3030	A	III	Wedge-Lock	33-18001-013	2
M39012/59-3502	D	VIb	Econo-Crimp	33-18011-004	4

Panel Jacks (M39012/83)—for Semi-Rigid Cable					
M39012 P/N	Cat.	Cable Group	Cable Attachment	Automatic P/N	Fig.
M39012/83B3001	B	XVII	Solder-Clamp	33-18003-000	5
M39012/83B3002	B	XVI	Solder-Clamp	33-18003-001	5
M39012/83B3003	B	XVII	Solder-Clamp	33-18003-002	5
M39012/83B3004	B	XVI	Solder-Clamp	33-18003-003	5
M39012/83-3005	E	XVII	Solder-Clamp	33-18003-004	5
M39012/83-3006	E	XVI	Solder-Clamp	33-18003-005	5
M39012/83-3007	E	XVII	Solder-Clamp	33-18003-006	5
M39012/83-3008	E	XVI	Solder-Clamp	33-18003-007	5



- See page 2 for cable groups and category definitions.
 - See pages 21–24 for complete descriptions and illustrations of cable attachment types.
- Note 1: .103 (2.6) maximum panel.



SMA Receptacles

Jack Receptacles (M39012/60 through /62)			
M39012 P/N	Type	Automatic P/N	Figure
M39012/60-3001	Panel mount, 4-hole flange, solder pot contact	33-48013-000	1
M39012/60-3002	Panel mount, 2-hole flange, solder pot contact	33-48016-000	2
M39012/61-3001	Bulkhead (rear mount), solder pot contact, with mounting gasket	33-47000-000	3
M39012/61-3002	Bulkhead (front mount), solder pot contact, with mounting gasket	33-49000-000	4
M39012/62-3001	Bulkhead (rear mount), hermetic seal, flattened & pierced contact, with mounting gasket	33-50002-000	5
M39012/62-3002	Bulkhead (front mount), hermetic seal, flattened & pierced contact, with mounting gasket	33-49000-000	6

Figure 1

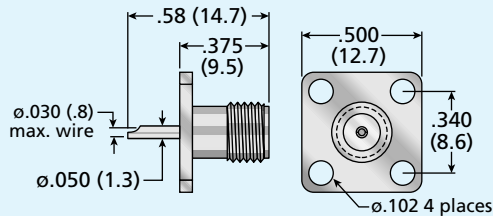


Figure 2

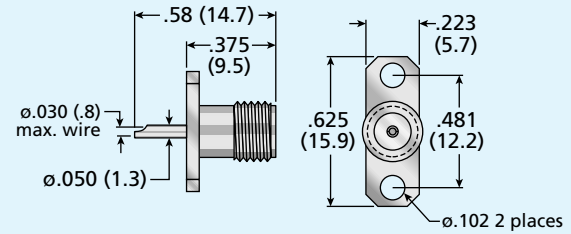


Figure 3

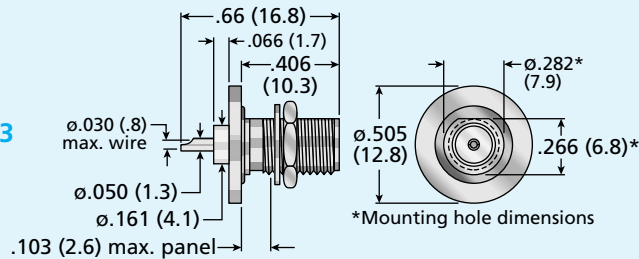


Figure 4

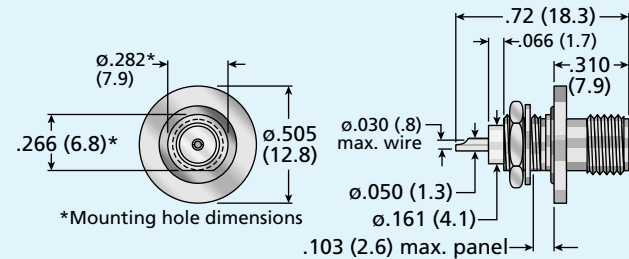


Figure 5

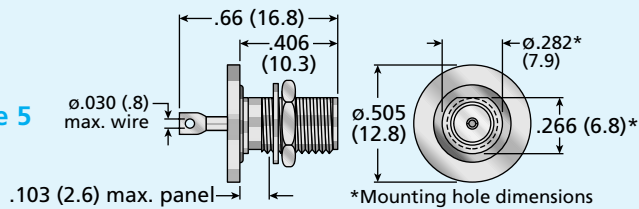
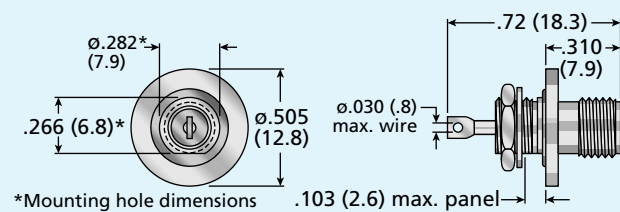


Figure 6



SMC Cable Plugs and Receptacles

Straight Cable Plugs (M39012/73)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/73-0004	A	II	Wedge-Lock	46-01000-007	1

(1) Supersedes M39012/73-0002.

Right Angle Cable Plugs (M39012/75)

M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/75-0003	A	I	Wedge-Lock	46-11000-003	2

(1) Supersedes M39012/73-0001.

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Jack Receptacles (M39012/77)

M39012 P/N	Type	Automatic P/N	Figure
M39012/77-0001	Bulkhead (rear mount)	20-49001-000	3
M39012/77-0002	Bulkhead (front mount)	20-48001-003	4

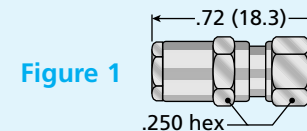


Figure 1

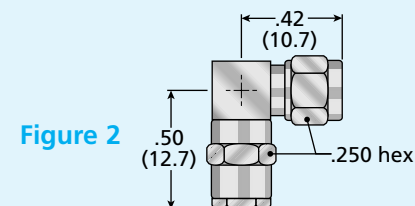


Figure 2

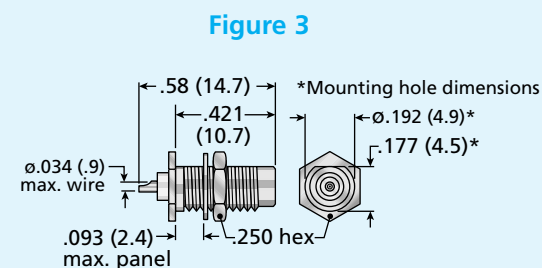


Figure 3

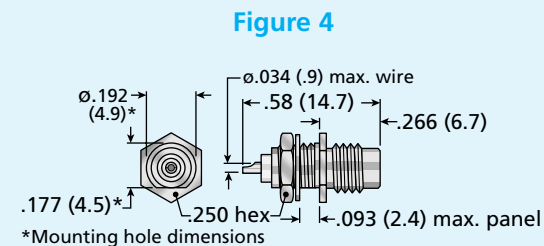


Figure 4

TNC Cable Plugs

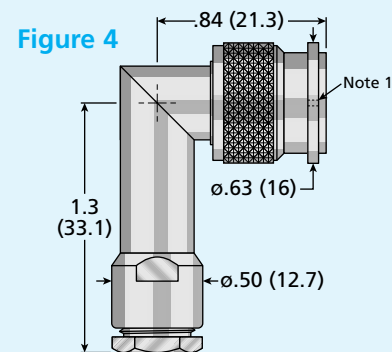
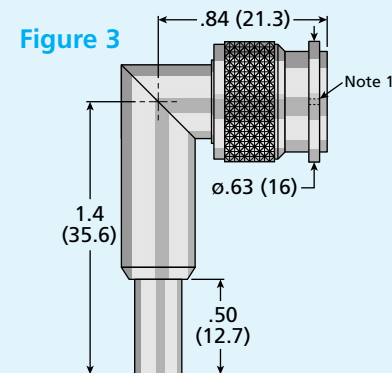
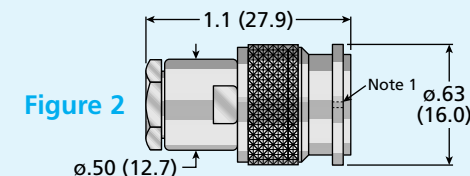
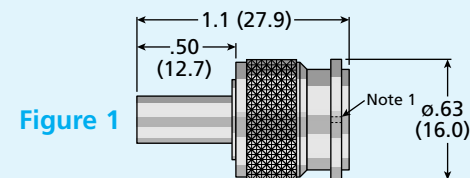
Straight Cable Plugs (M39012/26)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/26-0010	C	Vla	Econo-Crimp	80-01011-000	1
M39012/26-0011	C	Vlb	Econo-Crimp	80-01011-001	1
M39012/26-0012 ⁽¹⁾	C	Vlla	Econo-Crimp	80-01011-002	1
M39012/26-0013	C	IV	Econo-Crimp	80-01011-003	1
M39012/26-0014	C	Vllb	Econo-Crimp	80-01011-004	1
M39012/26-0018	A	II	Wedge-Lock	80-01001-002	2
M39012/26-0022	C	Ila	Econo-Crimp	80-01012-000	1
M39012/26-0101 ⁽²⁾	A	VI	Wedge-Lock	80-01001-003	2
M39012/26-0102 ⁽³⁾	A	VII	Wedge-Lock	80-01001-006	2
M39012/26-0103	A	IV	Wedge-Lock	80-01001-005	2
M39012/26-0501	D	IV	Econo-Crimp	80-01011-006	1
M39012/26-0502	D	V	Econo-Crimp	80-01011-007	1
M39012/26-0503	D	Vlb	Econo-Crimp	80-01011-008	1
M39012/26-0504	D	Vla	Econo-Crimp	80-01011-009	1

⁽¹⁾ Supersedes M39012/26-0021. ⁽²⁾ Supersedes M39012/26-0104. ⁽³⁾ Supersedes M39012/26-0117.

Right Angle Cable Plugs (M39012/30)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/30-0010	C	Vla	Econo-Crimp	80-10005-000	3
M39012/30-0011	C	Vlb	Econo-Crimp	80-10005-001	3
M39012/30-0012 ⁽¹⁾	C	Vlla	Econo-Crimp	80-10005-002	3
M39012/30-0013	C	IV	Econo-Crimp	80-10005-003	3
M39012/30-0014	C	Vllb	Econo-Crimp	80-10005-004	3
M39012/30-0022	C	Ila	Econo-Crimp	80-10006-000	3
M39012/30-0101 ⁽²⁾	A	VI	Wedge-Lock	80-10001-002	4
M39012/30-0102 ⁽³⁾	A	VII	Wedge-Lock	80-10001-005	4
M39012/30-0103	A	IV	Wedge-Lock	80-10001-004	4
M39012/30-0118	A	II	Wedge-Lock	80-10001-001	4
M39012/30-0501	D	IV	Econo-Crimp	80-10005-006	3
M39012/30-0502	D	V	Econo-Crimp	80-10005-007	3
M39012/30-0503	D	Vlb	Econo-Crimp	80-10005-008	3
M39012/30-0504	D	Vla	Econo-Crimp	80-10005-009	3

⁽¹⁾ Supersedes M39012/30-0021. ⁽²⁾ Supersedes M39012/30-0104. ⁽³⁾ Supersedes M39012/30-0117.

- See page 2 for cable groups and category definitions.
 - See pages 21–24 for complete descriptions and illustrations of cable attachment types.
- Note 1: 3 lockwire holes, .027 (.69) minimum diameter, equally spaced.



TNC Cable Jacks and Dust Caps

Straight Cable Jacks (M39012/27)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/27-0010	C	Vla	Econo-Crimp	80-16004-000	1
M39012/27-0011	C	Vlb	Econo-Crimp	80-16004-001	1
M39012/27-0012 ⁽¹⁾	C	Vlla	Econo-Crimp	80-16004-002	1
M39012/27-0013	C	IV	Econo-Crimp	80-16004-003	1
M39012/27-0014	C	Vllb	Econo-Crimp	80-16004-004	1
M39012/27-0018	A	II	V-Groove Wedge-Lock	80-16003-001 80-16001-001	2 2
M39012/27-0022	C	Ila	Econo-Crimp	80-16005-000	1
M39012/27-0101 ⁽²⁾	A	VI	V-Groove Wedge-Lock	80-16003-002 80-16001-001	2 2
M39012/27-0103	A	VII	V-Groove Wedge-Lock	80-16003-003 80-16001-003	2 2
M39012/27-0501	D	IV	Econo-Crimp	80-16004-006	1
M39012/27-0502	D	V	Econo-Crimp	80-16004-007	1
M39012/27-0503	D	Vlb	Econo-Crimp	80-16004-008	1
M39012/27-0504	D	Vla	Econo-Crimp	80-16004-009	1

⁽¹⁾ Supersedes M39012/27-0021. ⁽³⁾ Supersedes M39012/27-0104.

- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Figure 1

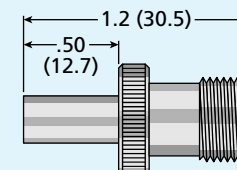
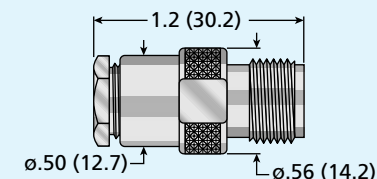


Figure 2



Dust Caps (M39012/25)					
M39012 P/N	Mating	Dim. A	Chain	Automatic P/N	Figure
M39012/25-0020	Plug	2.25 (57.2)	Bead	10-92001-000	3
M39012/25-0021	Plug	2.70 (68.6)	Safety	10-92001-001	4

Figure 3

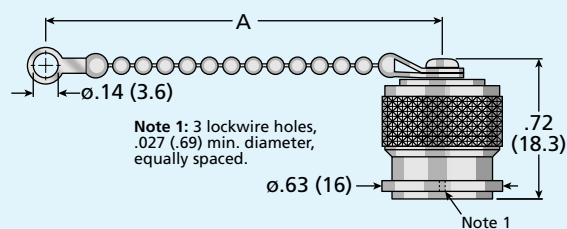
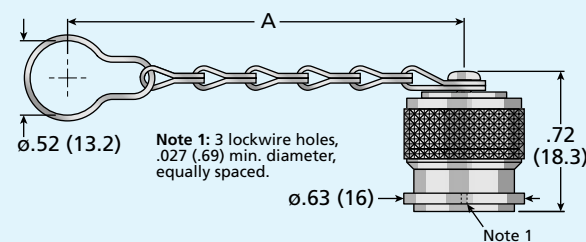


Figure 4





TNC Cable Jacks

Bulkhead Cable Jacks (M39012/28)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/28-0010	C	Vla	Econo-Crimp	80-18013-000	1
M39012/28-0011	C	Vlb	Econo-Crimp	80-18013-001	1
M39012/28-0012 ⁽¹⁾	C	VIIa	Econo-Crimp	80-18013-002	1
M39012/28-0013	C	IV	Econo-Crimp	80-18013-003	1
M39012/28-0014	C	VIIb	Econo-Crimp	80-18013-004	1
M39012/28-0018	A	II	V-Groove Wedge-Lock	80-18007-000 80-18001-000	2
M39012/28-0022	C	IIa	Econo-Crimp	80-18010-000	1
M39012/28-0101 ⁽²⁾	A	VI	V-Groove Wedge-Lock	80-18007-001 80-18001-001	2
M39012/28-0102 ⁽³⁾	A	VII	V-Groove Wedge-Lock	80-18007-003 80-18001-004	2
M39012/28-0103	A	IV	V-Groove Wedge-Lock	80-18007-002 80-18001-003	2
M39012/28-0501	D	IV	Econo-Crimp	80-18013-006	1
M39012/28-0502	D	V	Econo-Crimp	80-18013-007	1
M39012/28-0503	D	Vlb	Econo-Crimp	80-18013-008	1
M39012/28-0504	D	Vla	Econo-Crimp	80-18013-009	1

⁽¹⁾ Supersedes M39012/28-0021. ⁽²⁾ Supersedes M39012/28-0104. ⁽³⁾ Supersedes M39012/28-0117.

Figure 1

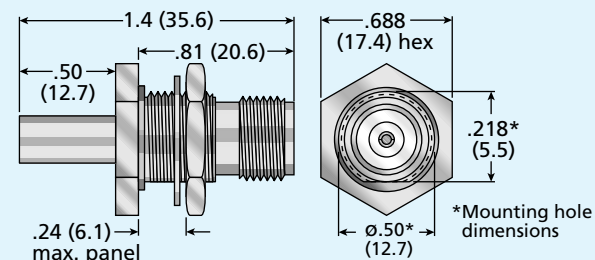
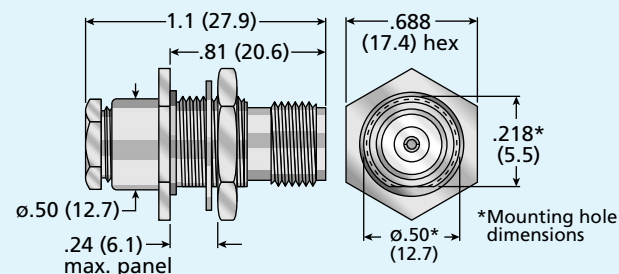


Figure 2



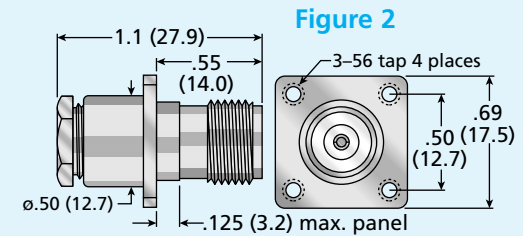
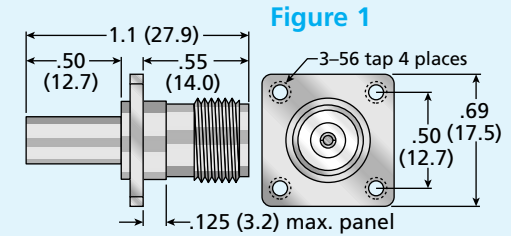
- See page 2 for cable groups and category definitions.
- See pages 21-24 for complete descriptions and illustrations of cable attachment types.



TNC Cable Jacks and Receptacles

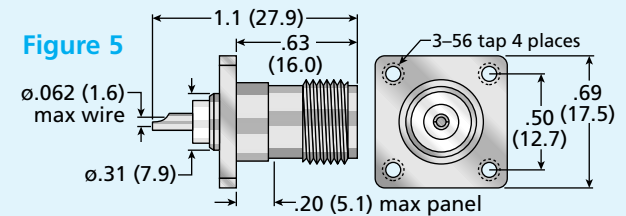
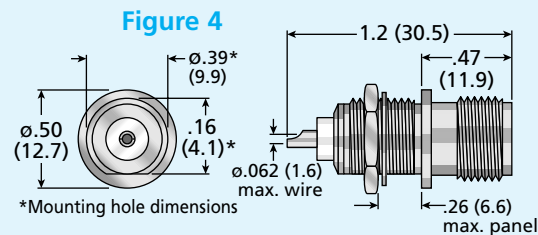
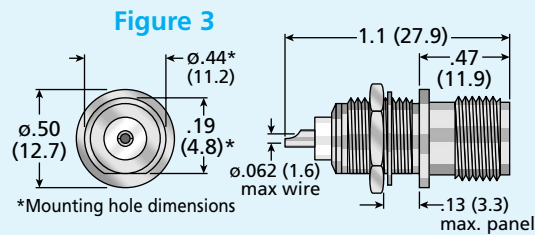
Panel Cable Jacks (M39012/29)					
M39012 P/N	Category	Cable Group	Cable Attachment	Automatic P/N	Figure
M39012/29-0010	C	Vla	Econo-Crimp	80-19009-000	1
M39012/29-0011	C	Vlb	Econo-Crimp	80-19009-001	1
M39012/29-0012 ⁽¹⁾	C	VIIa	Econo-Crimp	80-19009-002	1
M39012/29-0013	C	IV	Econo-Crimp	80-19009-003	1
M39012/29-0014	C	VIIb	Econo-Crimp	80-19009-004	1
M39012/29-0018	A	II	V-Groove Wedge-Lock	80-19003-001 80-19001-000	2
M39012/29-0022	C	IIa	Econo-Crimp	80-19010-000	1
M39012/29-0101 ⁽²⁾	A	VI	V-Groove Wedge-Lock	80-19003-000 80-19001-001	2
M39012/29-0102 ⁽³⁾	A	VII	V-Groove Wedge-Lock	80-19003-002 80-19001-004	2
M39012/29-0103	A	IV	V-Groove Wedge-Lock	80-19003-003 80-19001-003	2
M39012/29-0501	D	IV	Econo-Crimp	80-19009-006	1
M39012/29-0502	D	V	Econo-Crimp	80-19009-007	1
M39012/29-0503	D	Vlb	Econo-Crimp	80-19009-008	1
M39012/29-0504	D	Vla	Econo-Crimp	80-19009-009	1

⁽¹⁾ Supersedes M39012/29-0021. ⁽²⁾ Supersedes M39012/29-0104. ⁽³⁾ Supersedes M39012/29-0117.



- See page 2 for cable groups and category definitions.
- See pages 21–24 for complete descriptions and illustrations of cable attachment types.

Jack Receptacles (M39012/31 and /32)			
M39012 P/N	Type	Automatic P/N	Figure
M39012/31-0001	Bulkhead (front mount)	80-46003-000	3
M39012/31-0002	Bulkhead (front mount)	80-46009-000	4
M39012/32-0001	Panel mount	80-48000-000	5

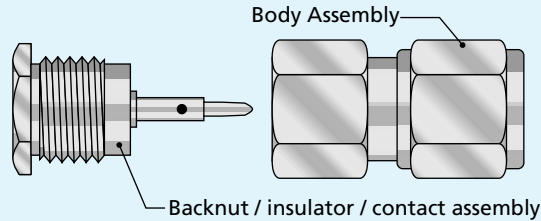




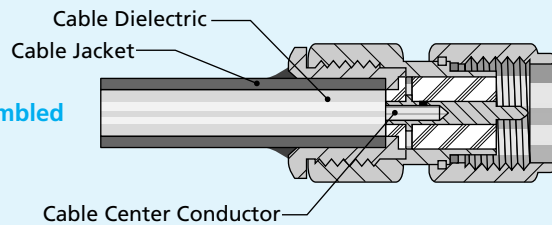
Cable Attachment Types

Solder-Clamp (Semi-Rigid Cable)

Connector Parts



As Assembled



SMA and other small-size connectors feature simplified solder-clamp assembly for semi-rigid cable which incorporates a reduced parts count and captive contact. This design allows right-angle or chassis-mounted connectors to be re-oriented after cable attachment to easily conform to system layout.

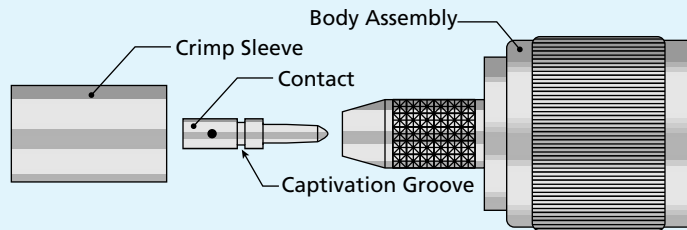
The cable is stripped and inserted into the backnut / insulator / contact assembly, and the connector contact soldered to the cable conductor. The cable jacket (outer conductor) is then soldered to the backnut. The prepared cable is inserted into the body assembly and the backnut tightened.

The captive contact provides consistent axial contact location within the interface, and prevents movement of the contact from cable flexure or temperature changes after assembly.

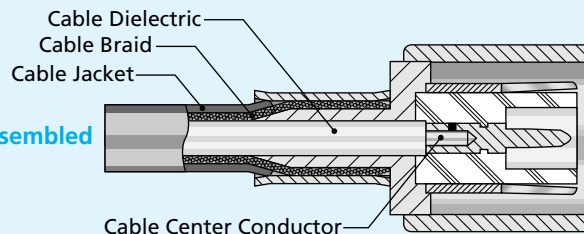
Some SMA connectors with solder-clamp cable attachment are qualified to MIL-PRF-39012, Category B (non-field replaceable) and Category E (MIL-defined cable stripping dimensions).

Econo-Crimp—Captive Contact

Connector Parts



As Assembled



These connectors offer quick assembly time and small size, and feature a captive contact which snaps into place in the insulator when assembled. This provides consistent axial contact location within the interface, and prevents movement of the contact from cable flexure or temperature changes after assembly.

The cable is stripped and the connector contact soldered to the cable center conductor. The tail of the body is inserted under the cable braid, and the crimp sleeve moved into position and crimped.

For additional savings in assembly time, some Econo-Crimp connectors have contacts that can be crimped to the conductor instead of being soldered. All Econo-Crimp connectors use readily-available commercial crimp tools and dies for assembly.

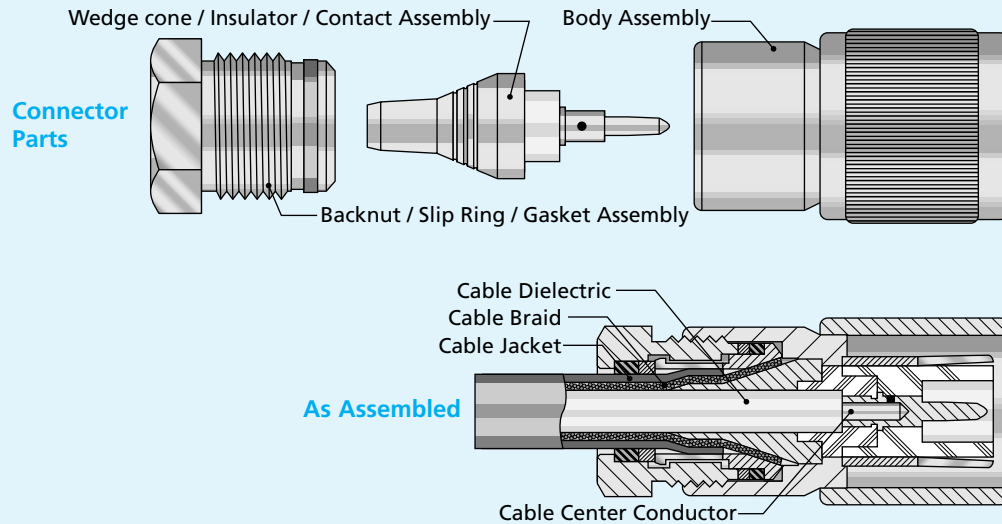
Econo-Crimp connectors can be ordered with heat-shrinkable tubing for weatherproofing.

Many connectors with Captive Contact Econo-Crimp cable attachment are qualified to MIL-PRF-39012, Category B (non-field replaceable), Category C (MIL-defined crimp tools and cable strip dimensions), and Category D (MIL-defined contact and crimp-sleeve dimensions).



Cable Attachment Types

Improved Wedge-Lock



This patented attachment system features a captive contact, quick assembly, and secure cable retention. The cable braid and jacket are flared over the cone-shaped wedge, and the backnut captures the braid and jacket when screwed into the body assembly.

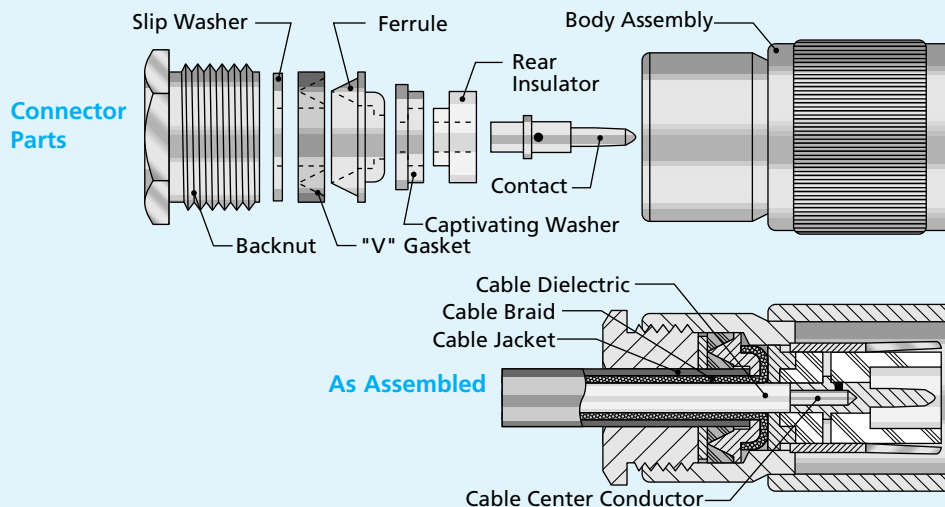
This construction differs from standard Wedge-Lock in that the braid is clamped directly by the nut and wedge, providing metal-to-metal contact. The cable jacket is secured in an adjacent area of the backnut assembly for weatherproofing.

Unlike some similar constructions, the backnut incorporates a slip ring to prevent twisting of the cable during assembly.

The cable conductor is soldered to the contact.

Many connectors with Improved Wedge-Lock cable attachment are qualified to MIL-PRF-39012, Category A (field replaceable, no special tools required for assembly).

V-Groove—Captive Contact



V-Groove clamping with a captive contact provides consistent axial contact location within the interface, and prevents movement of the contact from cable flexure or temperature changes after assembly.

The cable is stripped, and the braid is combed out and folded back over the ferrule. The connector contact is soldered to the cable conductor.

The prepared cable, the rear insulator and captivating washer, the V-gasket, and the slip washer are secured in the body assembly by tightening the backnut.

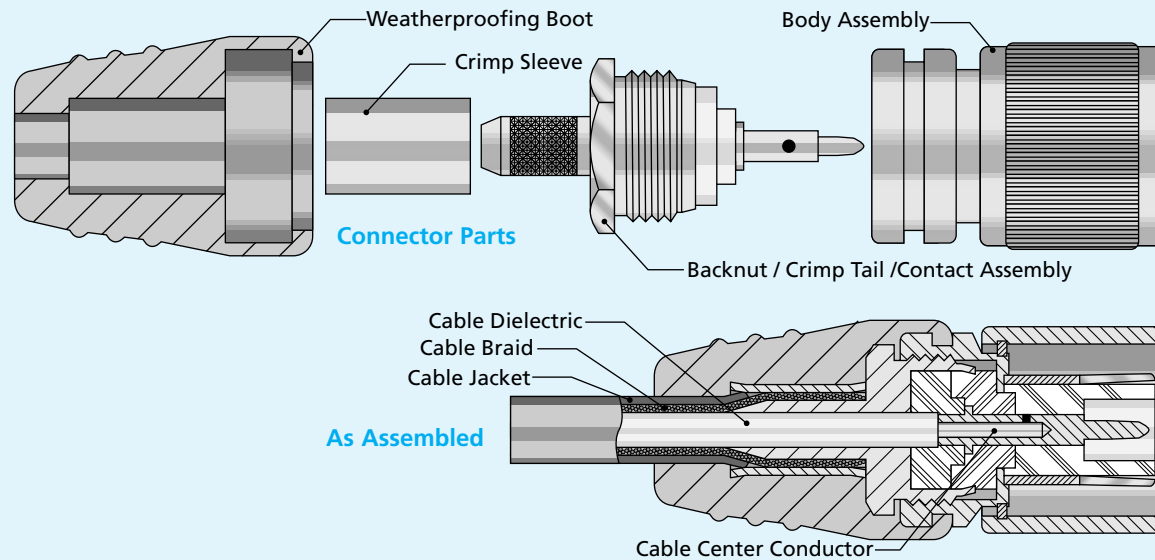
The slip washer prevents twisting of the cable while the nut is being tightened, and the rear surface of the ferrule cuts through the V-gasket, providing metal-to-metal braid clamping as well as weatherproofing.

Many connectors with Captive Contact V-Groove cable attachment are qualified to MIL-PRF-39012, Category A (Field replaceable, no special tools required for assembly).



Cable Attachment Types

X-Crimp



X-Crimp cable attachment combines ease of assembly with a captivated contact and a silicone-rubber boot* for weatherproofing. The captive contact is held rigidly in place to prevent movement from cable flexure or temperature changes after assembly. The cable is trimmed, and the tail of the backnut assembly is pushed under the braid. The contact is soldered to the cable conductor, the braid crimped within the crimp sleeve, and the backnut assembly screwed into the body. The boot slides forward and snaps into place. The boots can be supplied in a variety of colors for identification. Some connectors with X-Crimp cable attachment are qualified to MIL-PRF-39012, Category B (non-field replaceable), and Category C (MIL-defined crimp tools and cable stripping dimensions).
*SMA and smaller size connectors use heat-shrink tubing instead of silicone-rubber boots.