

BNC SERIES

SRICOM



SRINAR COMMUNICATIONS PVT. LTD.

SRINAR COMMUNICATIONS PVT. LTD, called **SRICOM** in short, is located at Chennai in the southern part of India. Situated in a pollution free environment, the facility has about 35,000 square foot built-up area, housing the complete machinery and equipments to manufacture RF connectors to the international standards.

SRICOM has 23 years experience in this line. We specialize in developing custom built RF connectors, cable assemblies and antennas to the specific requirements of the customers. Our products cater to varieties of industries ranging from entertainment, professional, avionics to satellite communications.

SRICOM included antennas to it's product range from the year 2001. Owing to the large requirement of antennas for the rural connectivity, the antenna division was founded and since then various antennas for CorDECT, CDMA, Wi-Fi, WiMAX, RFID and GSM were developed and supplied in large volume.

SRICOM has the state-of-the-art facility for machining, electroplating, assembly and quality assurance. It has a battery of automatic lathes, CNC and CAM operated sliding head stock machines, special purpose milling, drilling and tapping machines etc. our electroplating shop has the capability to do gold, silver, nickel and tin plating.

SRICOM has the expertise and the capability to produce large volume as well as small batch prototypes in quick turnaround time. At the moment our services are available in countries like United States, Israel, Philippines, Singapore, Australia and the local market also. As we are in the process of expansion, our presence will be extended to more countries and in many more value added components. We look forward to your patronage as ever. For any of your requirements please call our market support who will respond immediately or direct you to the right dealer network.



BNC Series 50 ohms / 75 ohms connectors are small, bayonet lock coaxial RF connectors which are most widely used. The bayonet lock provides quick connect disconnect coupling.

The Sricom range of BNC Connectors cover different cable and chassis mounting styles; in addition, connectors with special cable entry features and variations in mounting styles could be supplied against specific requirements.

Sricom BNC Connectors are manufactured to ensure conformity to joint service specifications J 52401 in terms of Electrical performance and mating face requirements. They are fully intermatable with connectors manufactured to meet US specifications MIL – C 39012.

BNC Connectors are available in both 50 and 75 ohms impedance; BNC 50 ohms and 75 ohms connectors are intermatable.

MATERIAL

Body & Body Components	Extruded Brass
Centre Contact Male	Extruded Brass
Centre Contact Female	Beryllium Copper
Dielectric	PTFE
Clamp Gaskets	Silicone Rubber
Crimp Ferrule	Annealed Copper

MECHANICAL

Mating	2 stud bayonet lock coupling
Cable Affixment	Clamp Screw-thread nut and braid clamp
Cable Retention	Camp : 178 N minimum Crimp : 400.5 N minimum

TECHNICAL SPECIFICATIONS**ELECTRICAL**

Impedance	50 / 75 ohms
Frequency Range	0–4 GHz
Voltage Rating	500 V Peak
Insulation Resistance	5000 Meg Ohms (Min)
Centre Contact Resistance	1.5 Milli ohms (Max)
Outer Contact	0.2 Milli ohms
Braid to Body	0.1 Milli ohms
Insertion Loss	0.2 dB maximum at 4 GHz
Dielectric Withstanding	1500 V olts RMS at Sea level
VSWR	1.3:1 Max at GHz for 50 Ω

ENVIRONMENTAL

Impedance	50 / 75 ohms
Temp. Range	– 65° C to + 85° C JSS 50101
Shock	JSS 50101 – Test No. 12 MIL Std – 202 Method 204 (Test Cond. D)
Temp. Cycling	JSS 50101 – Test No. 20 MIL Std – 202 Method 102 (Test Cond. D)

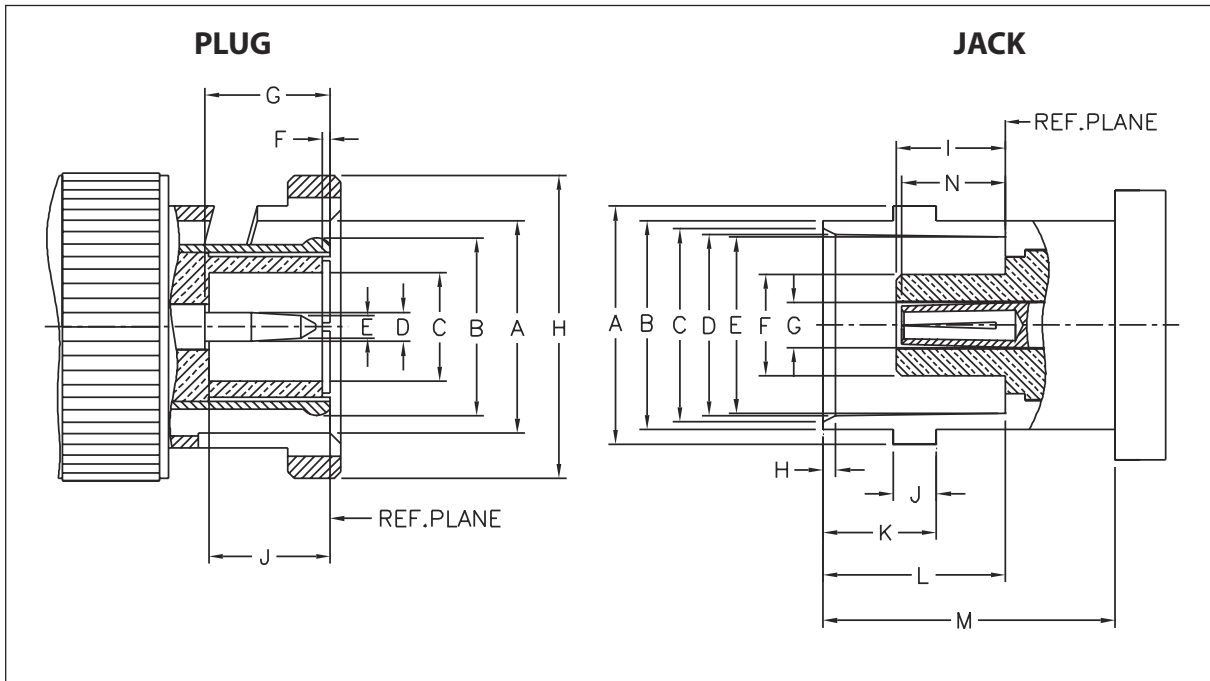
FINISH

Body	Silver / Nickel
Centre Contacts	Gold





INTERFACE DIMENSIONS – BNC SERIES



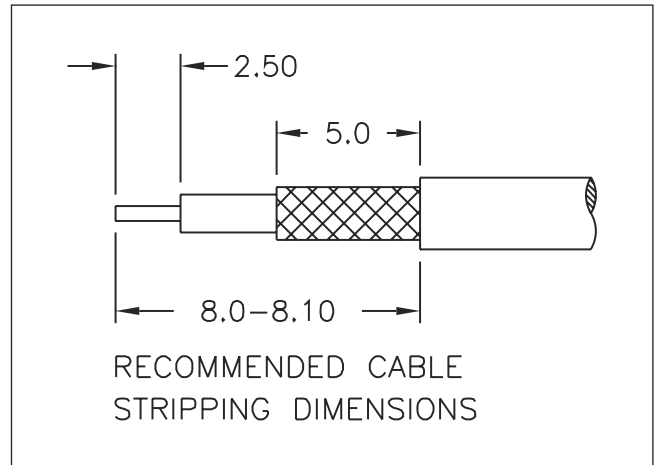
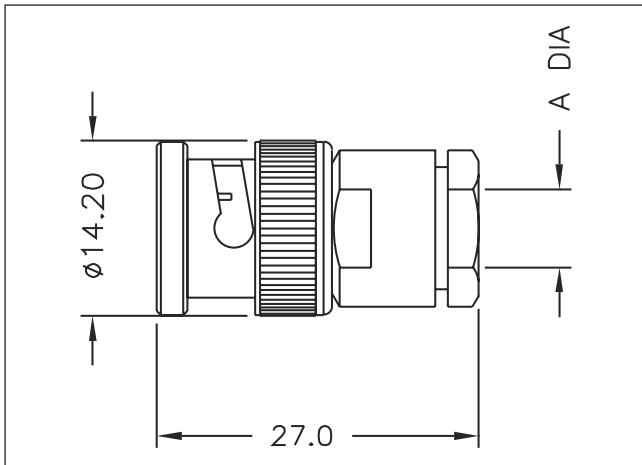
LTR (dim. of)	PLUG		JACK	
	MIN	MAX	MIN	MAX
A	9.78	9.91	10.97	11.07
B	Note 1		9.60	9.70
C	4.83	–	8.79	9.04
D	1.32	1.37	8.31	8.46
E	–	0.64	8.1	8.15
F	0.15	–	–	4.72
G	5.33	5.84	2.06	2.21
H	–	15.06	0.38	0.76
I	–	–	4.78	5.28
J	5.28	5.79	1.91	–
K	–	–	5.18	5.28
L	–	–	8.31	8.51
M	–	–	–	10.52
N	–	–	4.72	5.23

NOTE 1 : DIAMETER TO MEET GAUGE TEST REQUIREMENTS

ALL DIMENSIONS ARE IN MM

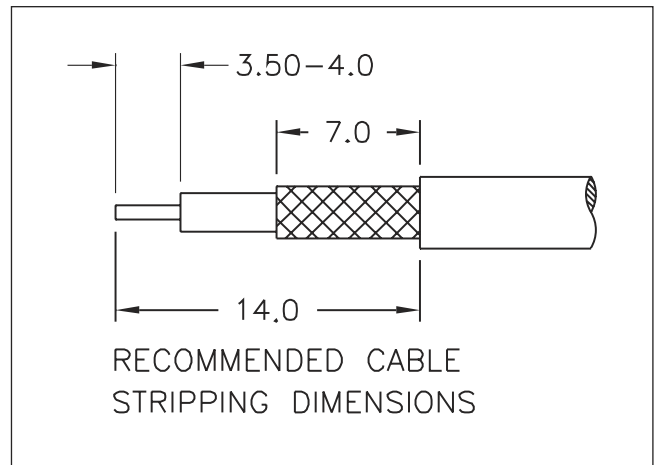
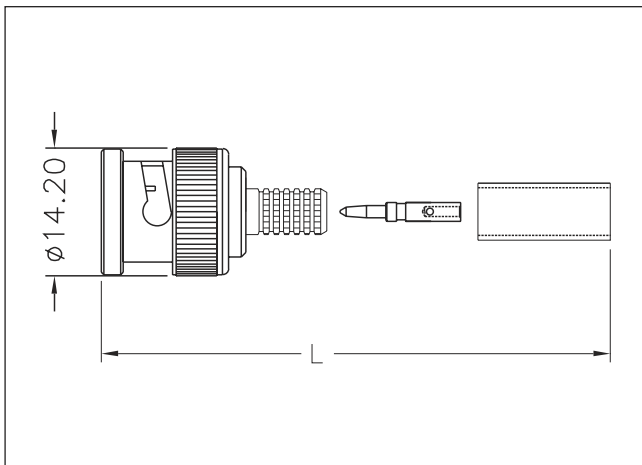


Straight Plugs Clamp Type



Order Code	US-MIL No	Impedance Ohms	Cable Group RG/U	Note	A Dia (Max)
SC2 M 01	SC2 M 01	50	55, 58, 141, 142, 223, 303, 400	Captive Contact	5.6
SC2 M 02	UG 260 / U	75	59, 302	Captive Contact	6.2
SC2 M 12		93	62, 210, 71	Captive Contact	6.6
SC2 M 07		50	174, 188, 316	Captive Contact	2.9
SC2 M 17		75	179, 187	Captive Contact	2.9

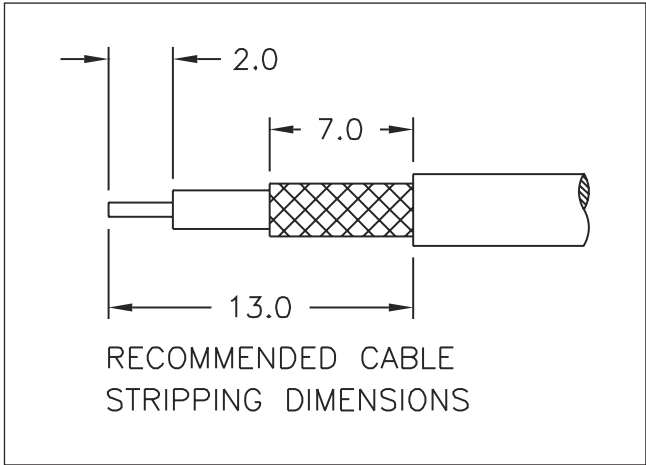
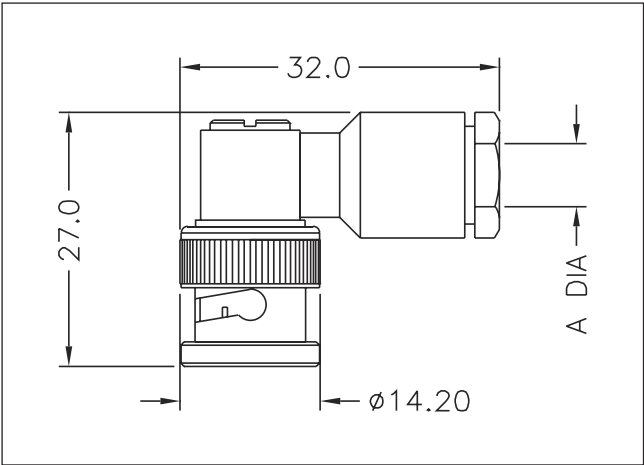
Straight Plugs Crimp Type



Order Code	US-MIL No	Impedance Ohms	Cable Group RG/U	L Dia (Max)
SC2 M 03	UG 1786/ U	50	55, 58, 141, 142, 223, 303, 400	30.3
SC2 M 05		75	59, 302	28.8
SC2 M 25		93	62, 210, 71	28.8
SC2 M 35		75	BT 3002	28.0
SC2 M 19		50	179, 187	32.0
SC2 M 13		50	174, 188, 316	32.0

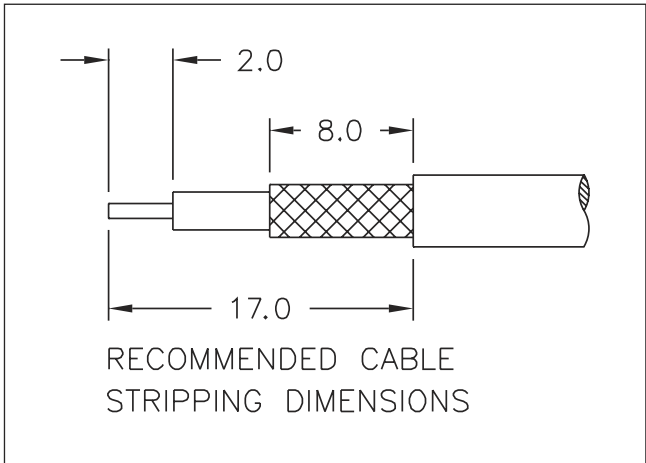
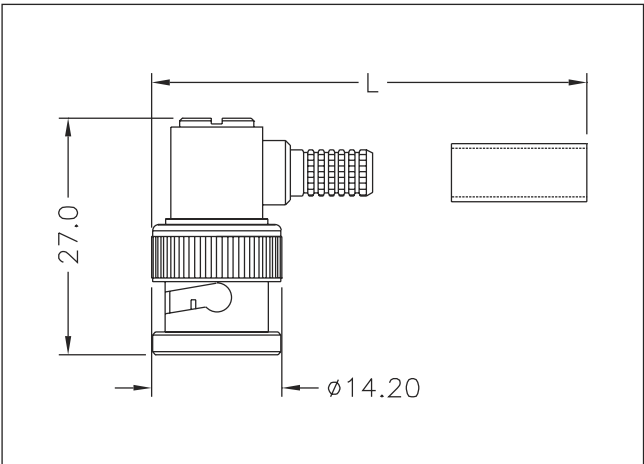


Right Angle Plug Clamp Types



Order Code	US-MIL No	Impedance Ohms	Cable Group RG/U	Note	A Dia (Max)
SC2 A 01	UG 913 / U	50	55, 58, 141, 142, 223, 303, 400	Captive Contact	5.6
SC2 A 02		75	59, 302	Captive Contact	6.2
SC2 A 12		93	62, 210, 71	Captive Contact	6.6
SC2 A 07		50	174, 188, 316	Captive Contact	2.9
SC2 A 17		75	179, 187	Captive Contact	2.9

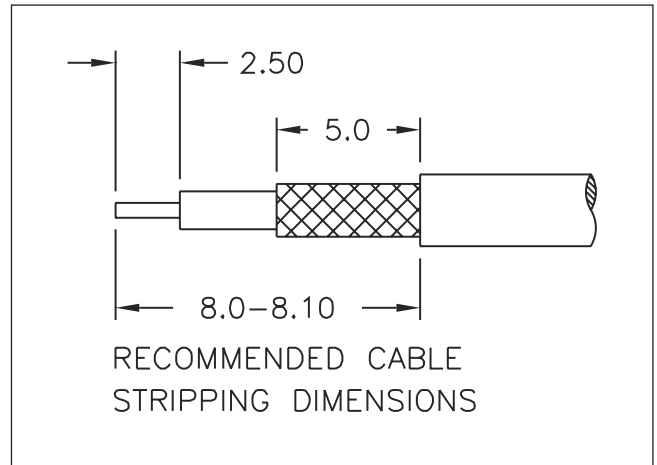
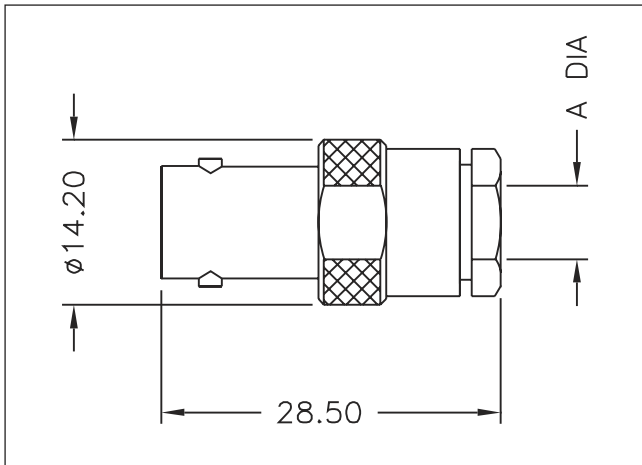
Right Angle Plug Crimp Types



Order Code	Impedance Ohms	Cable Group RG/U	L Dia (Max)
SC2 A 03	50	55, 58, 141, 142, 223, 303, 400	28.7
SC2 A 05	75	59, 302	26.2
SC2 A 25	93	62, 210, 71	26.2
SC2 A 09	93	174, 188, 316	24.7
SC2 A 19	75	179, 187	24.7

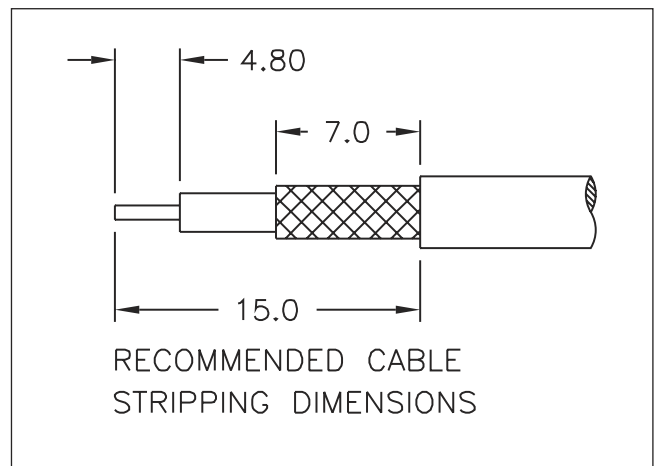
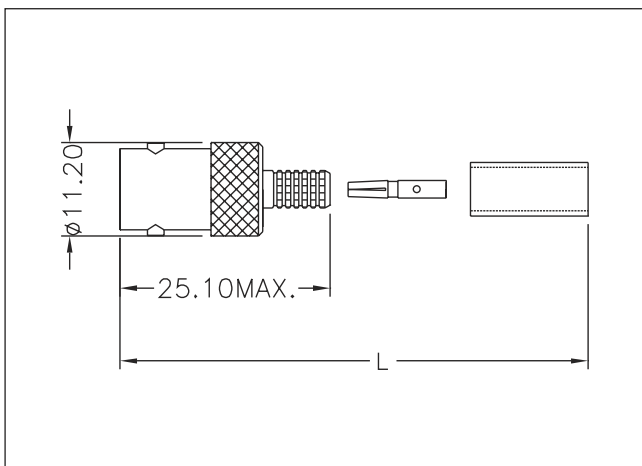


Straight Jack Clamp Types



Order Code	US-MIL No	Impedance Ohms	Cable Group RG/U	Note	A Dia (Max)
SC2 SR 01	UG 98 / U	50	55, 58, 141, 142, 223, 303, 400	Captive Contact	5.6
SC2 SR 02	UG 261 / U	75	59, 302	Captive Contact	6.2
SC2 SR 12		93	62, 210, 71	Captive Contact	6.6
SC2 SR 07		50	174, 188, 316	Captive Contact	2.9
SC2 SR 17		75	179, 187	Captive Contact	2.9

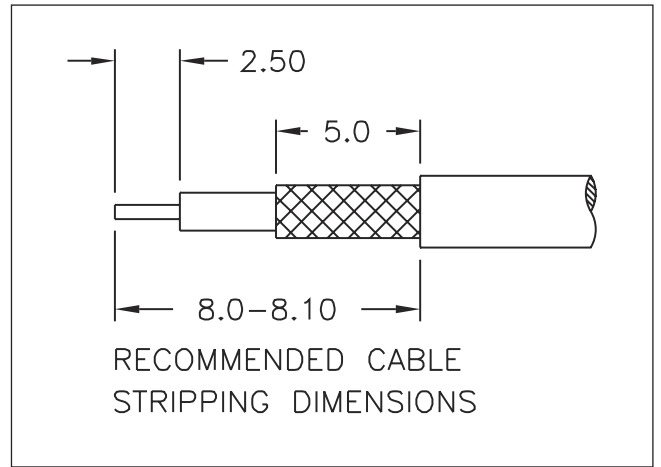
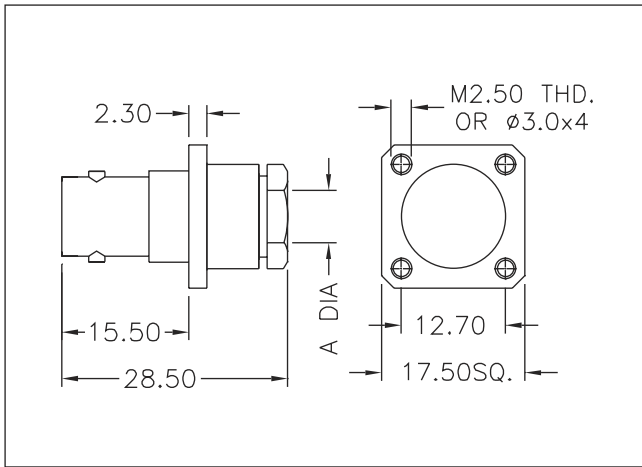
Straight Jack Crimp Types



Order Code	Impedance Ohms	Cable Group RG/U	L Dia (Max)
SC2 SR 03	50	55, 58, 141, 142, 223, 303, 400	31
SC2 SR 05	75	59, 302	31
SC2 SR 25	93	62, 210, 71	31
SC2 SR 35	75	BT 3002	32

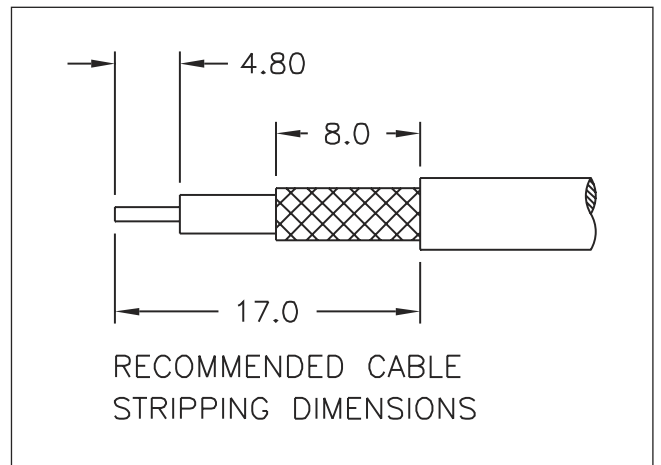
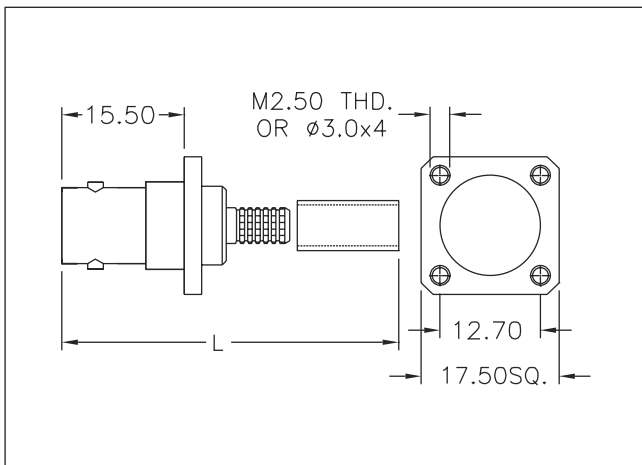


Panel Jack Clamp Types



Order Code	US-MIL No	Impedance Ohms	Cable Group RG/U	Note	A Dia (Max)
SC2 PR 01	SC2 M 01	50	55, 58, 141, 142, 223, 303, 400	Captive Contact	5.6
SC2 PR 02	UG 260 / U	75	59, 302	Captive Contact	6.2
SC2 PR 12		93	62, 210, 71	Captive Contact	6.6
SC2 PR 07		50	174, 188, 316	Captive Contact	2.9
SC2 PR 17		75	179, 187	Captive Contact	2.9

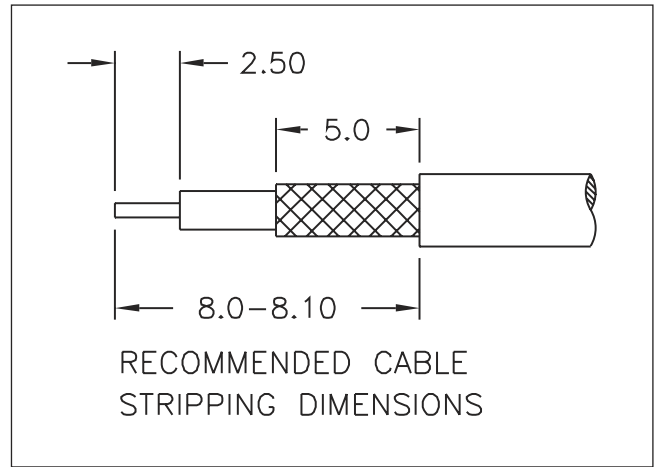
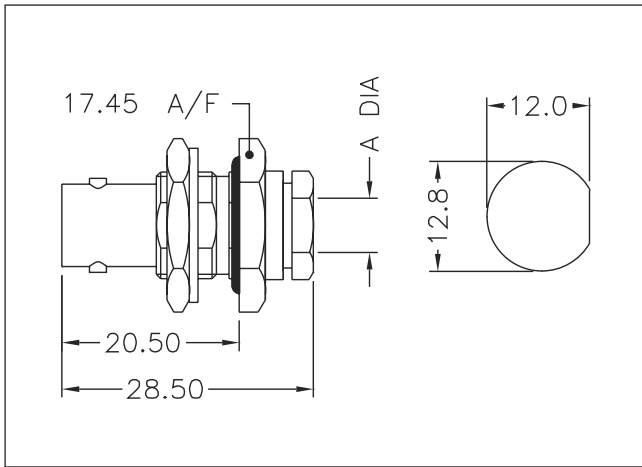
Panel Jack Crimp Types



Order Code	Impedance Ohms	Cable Group RG/U	L Dia (Max)
SC2 PR 03	50	55, 58, 141, 142, 223, 303, 400	32.5
SC2 PR 05	75	59, 302	31
SC2 PR 25	93	62, 210, 71	31

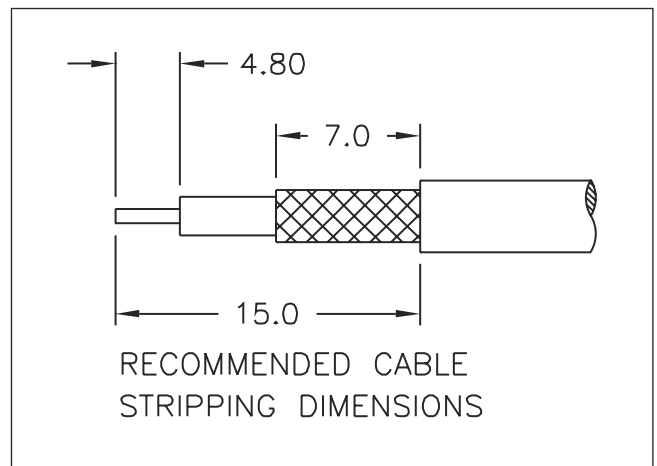
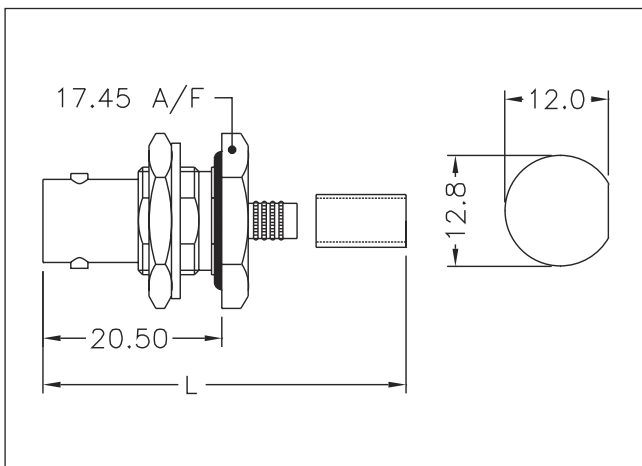


Bulk Head Jack Clamp Types



Order Code	Impedance Ohms	Cable Group RG/U	Note	A Dia (Max)
SC2 BR 01	50	55, 58, 141, 142, 223, 303, 400	Captive Contact	5.6
SC2 BR 02	75	59, 302	Captive Contact	6.2
SC2 BR 12	93	62, 210, 71	Captive Contact	6.6
SC2 BR 07	50	174, 188, 316	Captive Contact	2.9
SC2 BR 17	75	179, 187	Captive Contact	2.9

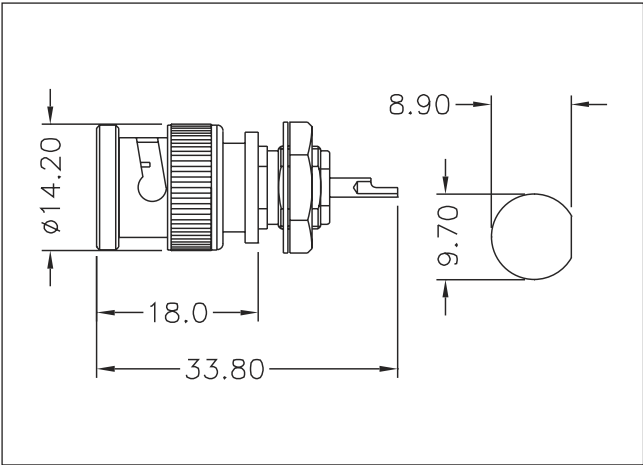
Bulk Head Jack Crimp Types



Order Code	Impedance Ohms	Cable Group RG/U	L Dia (Max)
SC2 BR 03	50	55, 58, 141, 142, 223, 303, 400	32.5
SC2 BR 05	75	59, 302	31
SC2 BR 25	93	62, 210, 71	31
SC2 BR 27	75	BT 3002	25

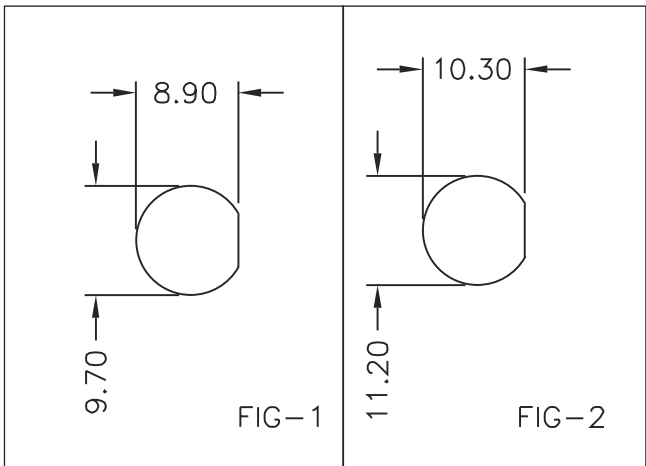
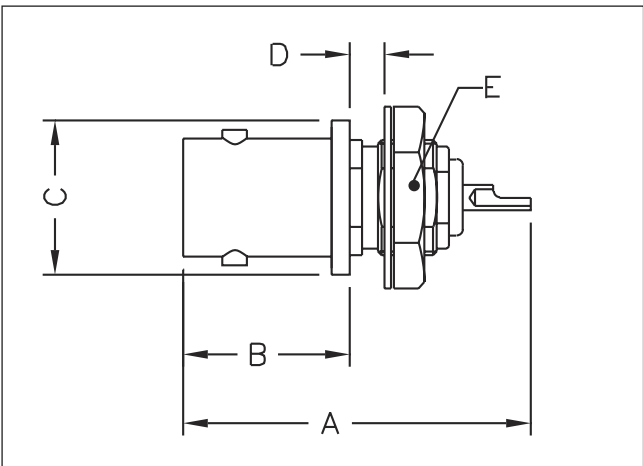


Bulk Head Receptacle-Plug



Order Code	Impedance Ohms
SC2 BM 01	50
SC2 BM 02	75

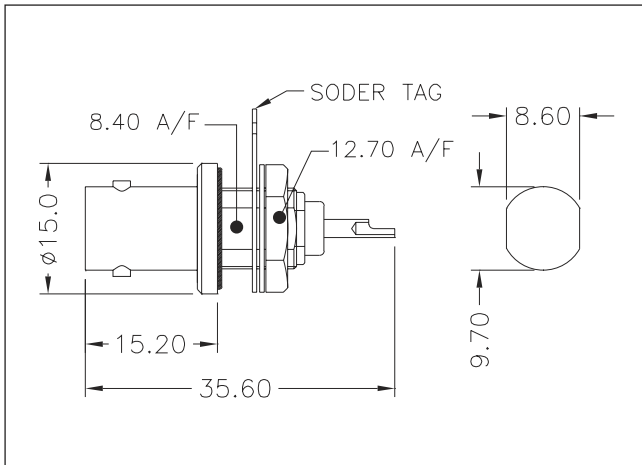
Bulk Head Receptacle



Order Code	US-MIL No	Impedance Ohms	Dimension (Max)					For Panel Piercing
			A	B	C	D	E	
SC2 F 01	UG 1094 / U	50	27.0	12.0	12.7	3.2	12.7	Fig. 1
SC2 F 01-75		75	27.0	12.0	12.7	3.2	12.7	Fig. 1
SC2 F 06		50	27.0	12.0	12.7	3.2	12.7	Fig. 2

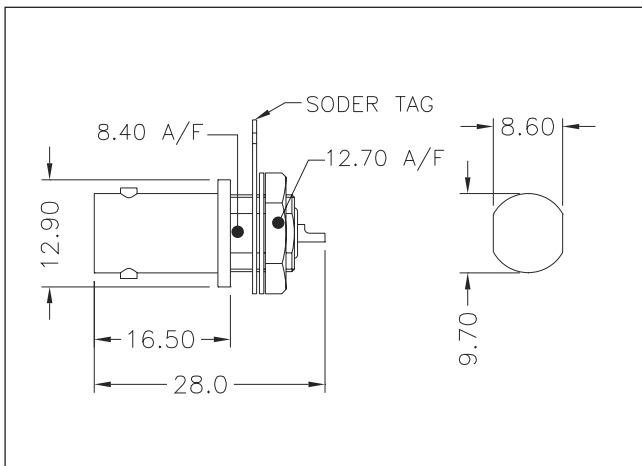


Bulk Head Receptacle



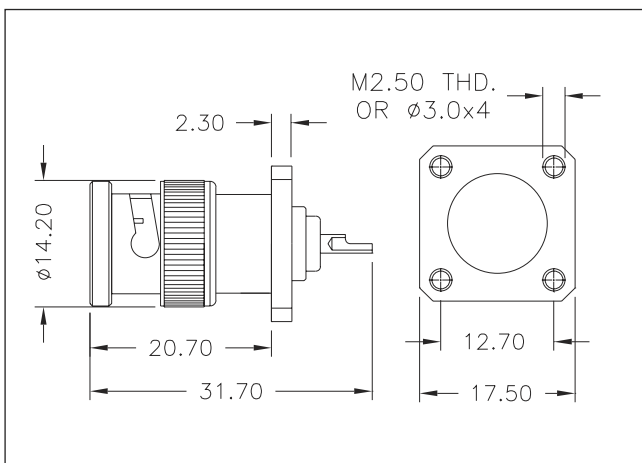
Order Code	US-MIL No.	Impedance Ohms
SC2 F 03	UG 657/U	50

Bulk Head Receptacle



Order Code	Impedance Ohms
SC2 F 04	50

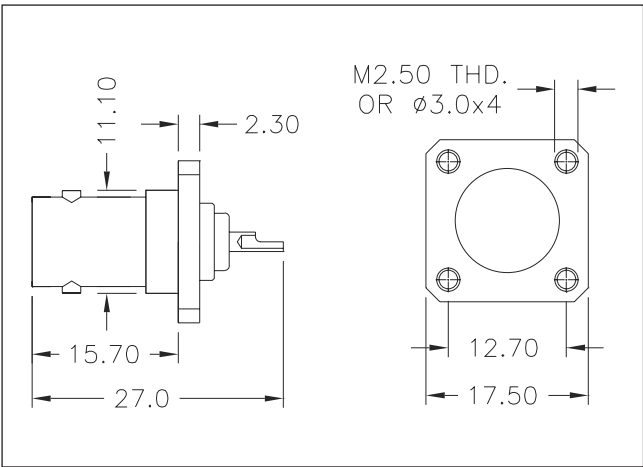
Square Flange Receptacles, Plug



Order Code	Impedance Ohms
SC2 PM 01	50
SC2 PM 02	75

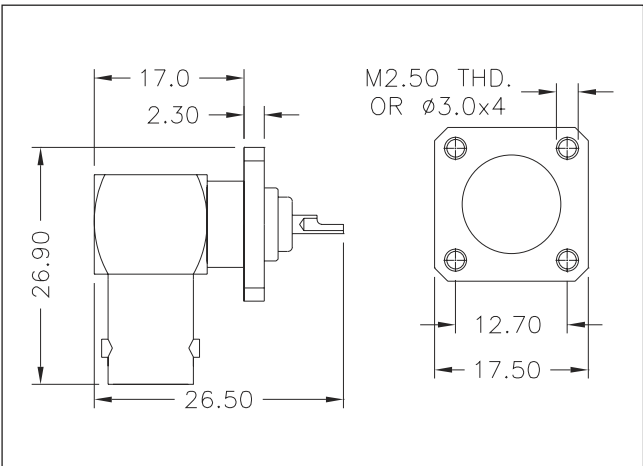


Square Flange Receptacles



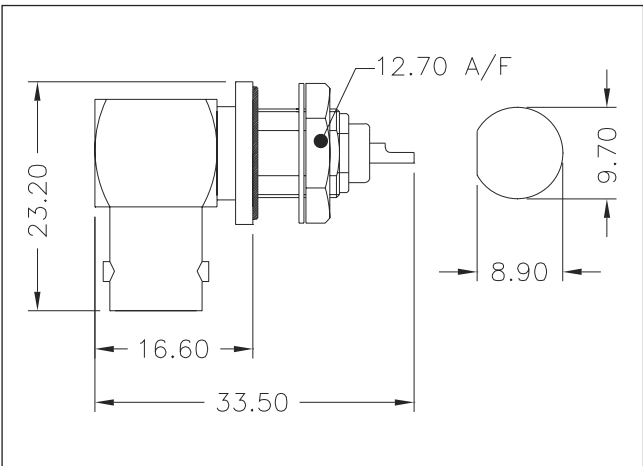
Order Code	US-MIL No.	Impedance Ohms
SC2 F 02	UG 290 / U	50
SC2 F 02-75		75

Right Angle Flange Receptacles



Order Code	Impedance Ohms
SC2 FAP 01	50
SC2 FAP 02	75

Right Angle Bulk Head Receptacles

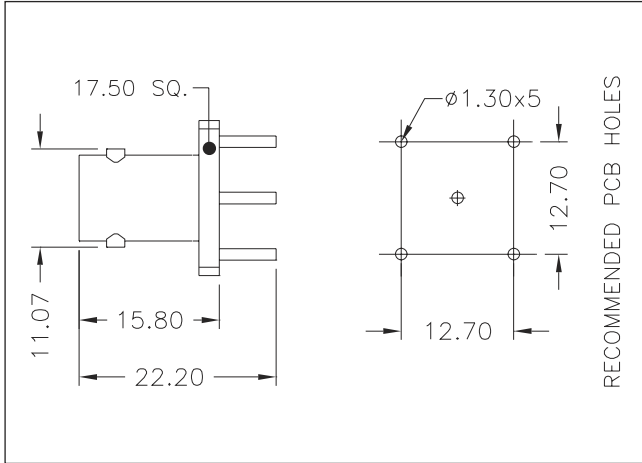


Order Code	Impedance Ohms
SC2 FAB 01	50
SC2 FAB 02	75



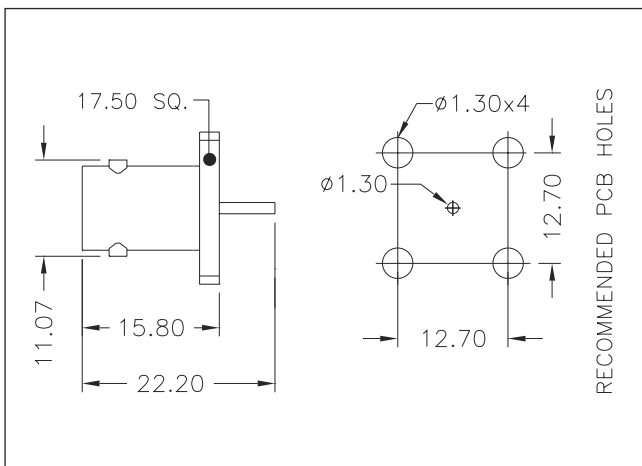
PCB Mount Receptacles

Straight PCB Receptacles



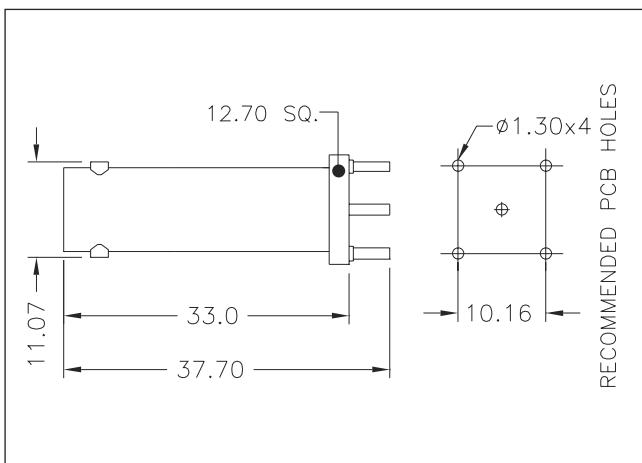
Order Code	Impedance Ohms
SC2 F 05	50
SC2 F 15	75

Straight PCB Receptacles



Order Code	Impedance Ohms
SC2 F 05 - W	50
SC2 F 15 - W	75

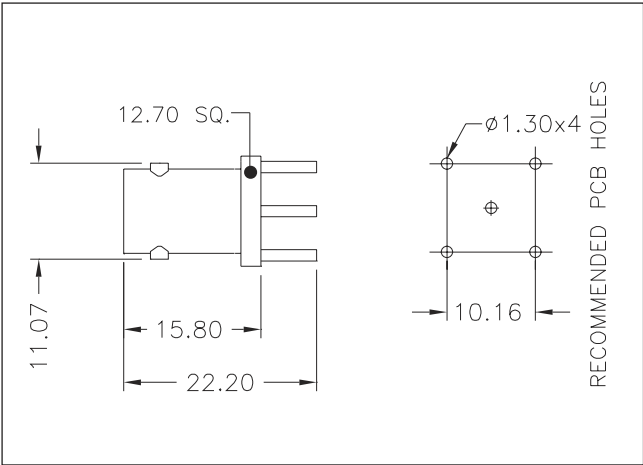
Straight PCB Receptacles



Order Code	Impedance Ohms
SC2 F 07	50
SC2 F 17	75

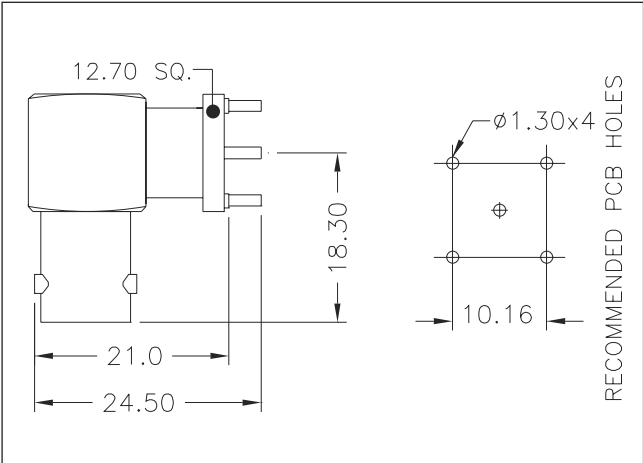


Straight PCB Receptacles



Order Code	Impedance Ohms
SC2 F 09	50
SC2 F 19	75

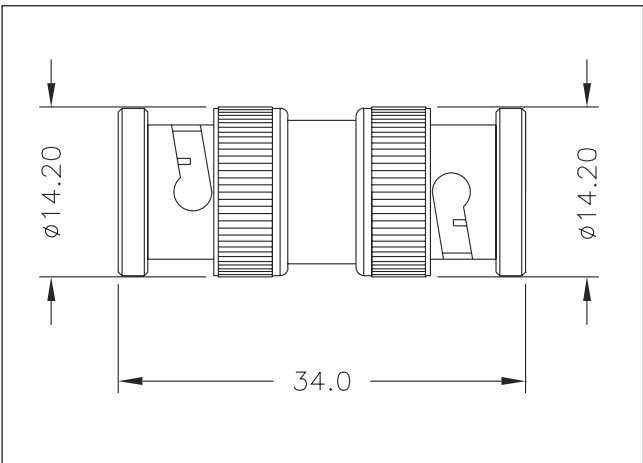
Right Angle PCB Receptacles



Order Code	Impedance Ohms
SC2 FA 07	50
SC2 FA 17	75

In Series Adaptors

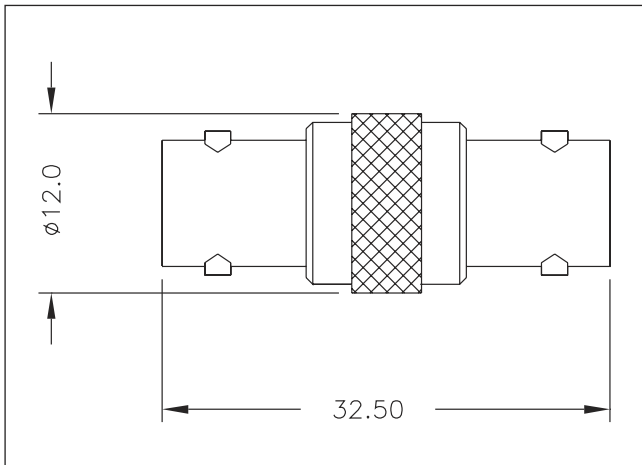
Plug - Plug



Order Code	US-MIL No.	Impedance Ohms
SC2 MM 01	UG 491 / U	50
SC2 MM 02		75

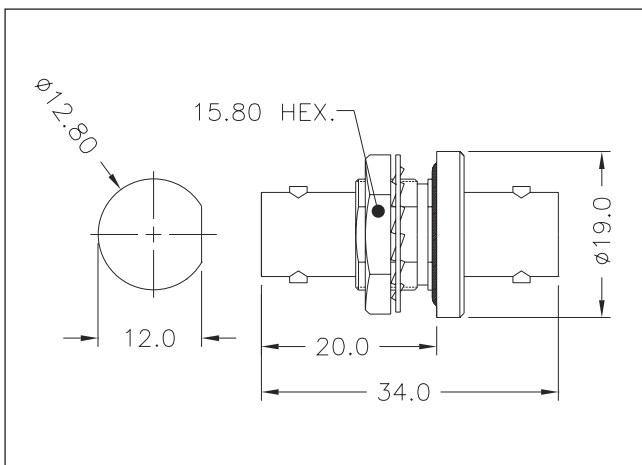


Jack - Jack



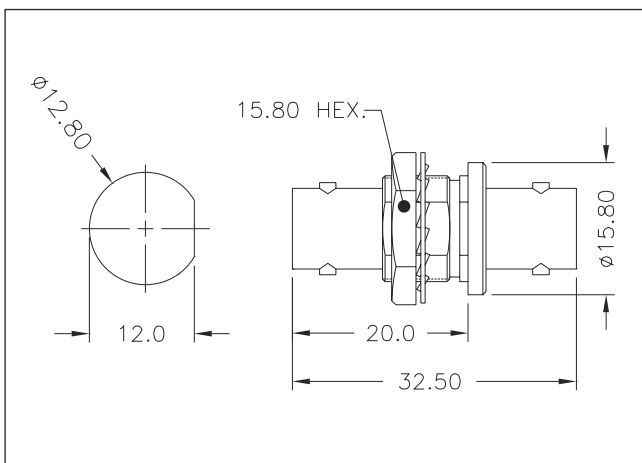
Order Code	Impedance Ohms
SC2 FF 01	50
SC2 FF 02	75

**Jack - Jack
Bluk Head Mount (with 'O' Ring)**



Order Code	Impedance Ohms
SC2 FB 01 G	50
SC2 FB 02 G	75

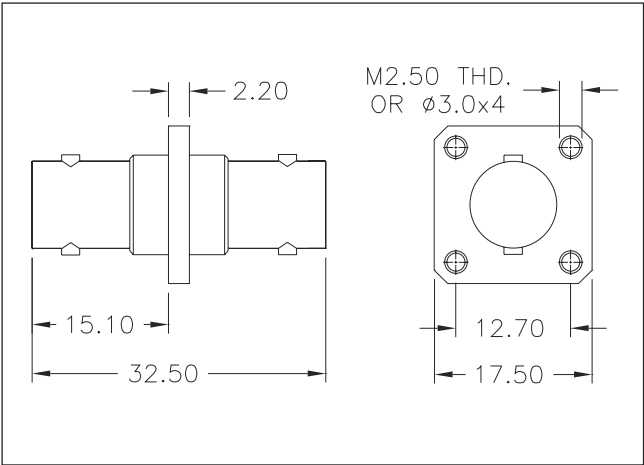
Jack - Jack Bluk Head Mount



Order Code	Impedance Ohms
SC2 FB 01	50
SC2 FB 02	75

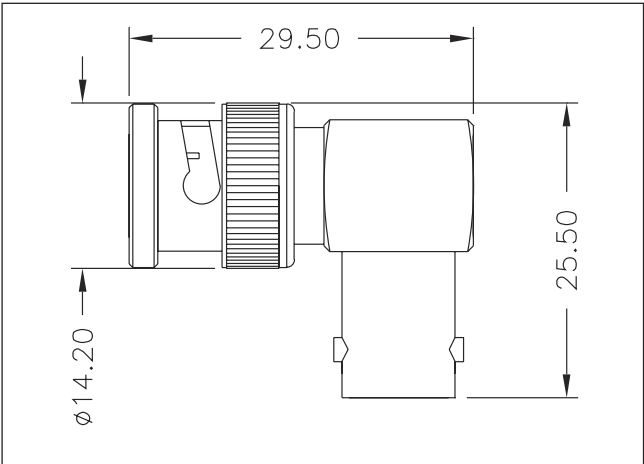


Jack - Jack Flange Mount



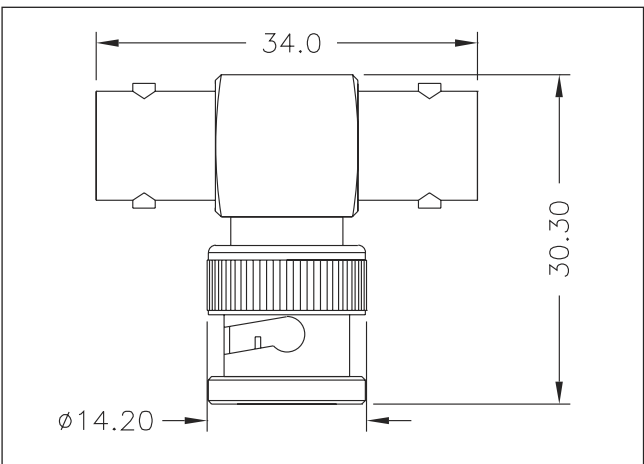
Order Code	US-MIL No.	Impedance Ohms
SC2 FP 01	UG 414 / U	50
SC2 FP 02		75

Right Angle Plug - Jack



Order Code	US-MIL No.	Impedance Ohms
SC2 MFA 01	UG 306 / U	50

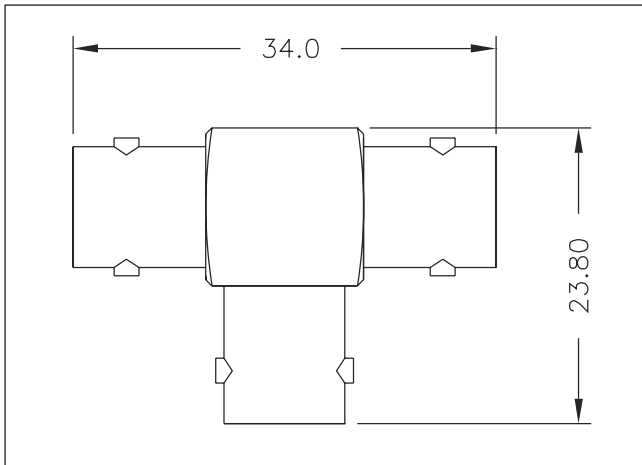
T Adaptor Jack - Plug - Jack



Order Code	US-MIL No.	Impedance Ohms
SC2 T 01	UG 274 / U	50
SC2 T 11		75

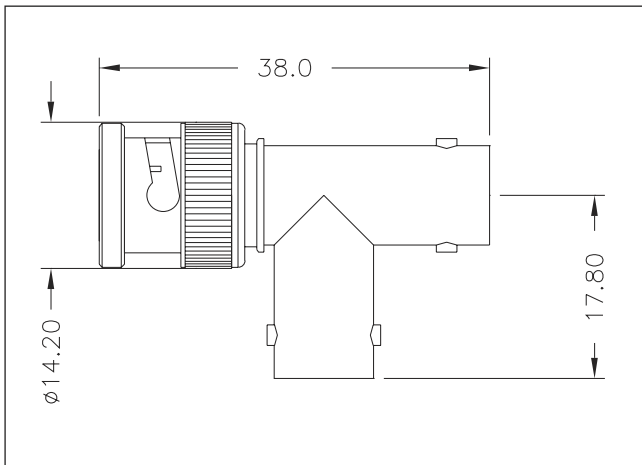


T Adaptor Jack - Jack - Jack



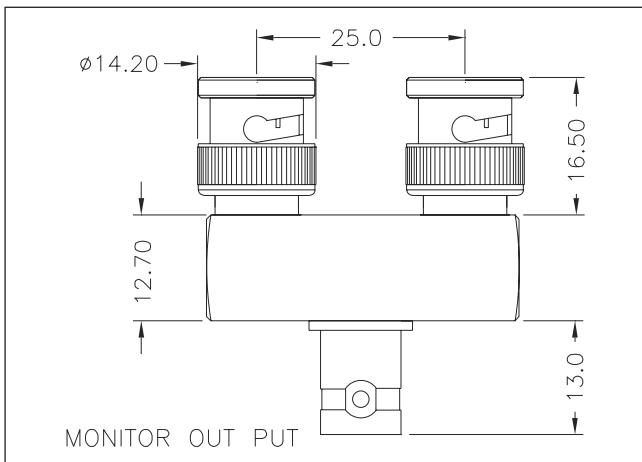
Order Code	Impedance Ohms
SC2 T 02	50
SC2 T 12	75

T Adaptor Plug - Jack - Jack



Order Code	Impedance Ohms
SC2 T 03	50
SC2 T 13	75

U-Link with Monitor



Order Code	Impedance Ohms
SC2 U 03	50
SC2 U 03 75	75



DIMENSIONS OF APPLICABLE R.F. CABLES

Cable Group	Impedance Ω	Inner Conductor		Dielectric	Max Screen	Jacket
		Composition	Nom Dia			
RG 58 C/U	50	19x0.18	0.90	2.95	3.81 S	4.95
RG 141/U	50	Single Core	0.99	2.95	3.71 S	4.83
RG 142/B/U	50	Single Core	0.94	2.95	3.71 S	4.83
RG 174 A/U	50	7x0.16	0.48	1.52	2.24 S	2.79
RG 178 B/U	50	7x0.004	0.30	0.84	1.37 S	1.80
RG 179 B/U	75	7x0.10	0.30	1.60	2.13 S	2.54
RG 187 A/U	75	7x0.10	0.30	1.60	2.13 S	2.79
RG 188 A/U	50	7x0.17	0.52	1.52	2.06 S	2.79
RG 196 A/U	50	7x0.004	0.30	0.86	1.37 S	2.03
RG 223/U	50	Single Core	0.89	2.95	4.47 D	5.38
RG 303/U	50	Single Core	0.94	2.95	3.71 S	4.32
RG 316/U	50	7x0.007	0.51	1.52	-	2.20
RG 400/U	50	19x0.19	0.98	2.95	4.34 D	4.95
RG 402/U	50	Single Core	0.92	2.08	-	3.58
RG 405/U	50	Single Core	0.51	1.68	-	2.20
LMR 200	50	Single Core	1.11	2.95	3.65	4.95
BT 3002	75	Single Core	0.315	1.95	2.85	3.55



TYPE INDEX

Order Code No.	Type	Description	JSS No.	Military No. M39012	Page No.
SC2M01	BNC	Straight Plug – Clamp Type	J52401/01-03	16-0101	4
SC2M02	BNC	Straight Plug – Clamp Type	J52401/01-04		4
SC2M12	BNC	Straight Plug – Clamp Type			4
SC2M07	BNC	Straight Plug – Clamp Type			4
SC2M17	BNC	Straight Plug – Clamp Type			4
SC2M03	BNC	Straight Plug – Crimp Type			4
SC2M05	BNC	Straight Plug – Crimp Type			4
SC2M25	BNC	Straight Plug – Crimp Type			4
SC2M35	BNC	Straight Plug – Crimp Type			4
SC2M19	BNC	Straight Plug – Crimp Type			4
SC2M13	BNC	Straight Plug – Crimp Type			4
SC2A01	BNC	Right Angle Plug – Clamp Type	J52401/03-02		5
SC2A02	BNC	Right Angle Plug – Clamp Type			5
SC2A07	BNC	Right Angle Plug – Clamp Type			5
SC2A17	BNC	Right Angle Plug – Clamp Type			5
SC2A03	BNC	Right Angle Plug – Crimp Type			5
SC2A05	BNC	Right Angle Plug – Crimp Type			5
SC2A25	BNC	Right Angle Plug – Crimp Type			5
SC2A09	BNC	Right Angle Plug – Crimp Type			5
SC2A19	BNC	Right Angle Plug – Crimp Type			5
SC2SR01	BNC	Straight Jack – Clamp Type	J52401/02-01		6
SC2SR02	BNC	Straight Jack – Clamp Type			6
SC2SR07	BNC	Straight Jack – Clamp Type			6
SC2SR17	BNC	Straight Jack – Clamp Type			6
SC2SR03	BNC	Straight Jack – Crimp Type		17-0004	6
		RG58		17-0005	
		RG223			
SC2SR05	BNC	Straight Jack – Clamp Type			6
SC2SR25	BNC	Straight Jack – Crimp Type			6
SC2SR35	BNC	Straight Jack – Crimp Type			6
SC2PR01	BNC	Panel Jack – Clamp Type	J52401/08-02	18-0002	7
SC2PR02	BNC	Panel Jack – Clamp Type			7
SC2PR12	BNC	Panel Jack – Clamp Type			7
SC2PR07	BNC	Panel Jack – Clamp Type			7
SC2PR17	BNC	Panel Jack – Clamp Type			7
SC2PR03	BNC	Panel Jack – Crimp Type			7
SC2PR05	BNC	Panel Jack – Crimp Type			7
SC2PR25	BNC	Panel Jack – Crimp Type			7



Order Code No.	Type	Description	JSS No.	Military No. M39012	Page No.
SC2BR01	BNC	Bulk Head Jack – Clamp Type	J52401/04-02	19-0101	8
SC2BR02	BNC	Bulk Head Jack – Clamp Type			8
SC2BR12	BNC	Bulk Head Jack – Clamp Type			8
SC2BR07	BNC	Bulk Head Jack – Clamp Type			8
SC2BR17	BNC	Bulk Head Jack – Clamp Type			8
SC2BR03	BNC	Bulk Head Jack – Crimp Type		19-0003	8
SC2BR05	BNC	Bulk Head Jack – Crimp Type			8
SC2BR25	BNC	Bulk Head Jack – Crimp Type			8
SC2BR27	BNC	Bulk Head Jack – Crimp Type			8
SC2BM01	BNC	Bulk Head – Receptacle Plug			9
SC2BM02	BNC	Bulk Head – Receptacle Plug			9
SC2F01	BNC	Bulk Head – Receptacle	J52401/05-01	21-0001	9
SC2F01-75	BNC	Bulk Head – Receptacle			9
SC2F06	BNC	Bulk Head – Receptacle			9
SC2F03	BNC	Bulk Head – Receptacle			10
SC2F04	BNC	Bulk Head – Receptacle			10
SC2PM01	BNC	Square Flange Receptacle, Plug			10
SC2PM02	BNC	Square Flange Receptacle, Plug			10
SC2FO2	BNC	Square Flange Receptacle	J52401/06-02	22-0001	11
SC2F02-75	BNC	Square Flange Receptacle			11
SC2FAP01	BNC	Right Angle Flange Receptacle		23-0001	11
SC2FAP02	BNC	Right Angle Flange Receptacle			11
SC2FAB01	BNC	Right Angle Bulk Head Receptacle			11
SC2FAB02	BNC	Right Angle Bulk Head Receptacle			11
SC2F05	BNC	Straight PCB Receptacle			12
SC2F15	BNC	Straight PCB Receptacle			12
SC2F05-W	BNC	Straight PCB Receptacle			12
SC2F15-W	BNC	Straight PCB Receptacle			12
SC2F07	BNC	Straight PCB Receptacle			12
SC2F17	BNC	Straight PCB Receptacle			12
SC2F09	BNC	Straight PCB Receptacle			13
SC2F19	BNC	Straight PCB Receptacle			13
SC2FA07	BNC	Right Angle PCB Receptacle			13
SC2FA17	BNC	Right Angle PCB Receptacle			13
SC2FA01	BNC	PCB Mount Receptacle, Right Angle Straight			13
SC2FA02	BNC	PCB Mount Receptacle, Right Angle Straight			13
SC2MM01	BNC	Plug – Plug Adaptor	J52408/01-01	M55339/ 15-00491	13



Order Code No.	Type	Description	JSS No.	Military No. M39012	Page No.
SC2MM02	BNC	Plug – Plug, Adaptor		M55339/ 16-00914	13
SC2FF01	BNC	Jack – Jack, Adaptor			14
SC2FF02	BNC	Jack – Jack, Adaptor			14
SC2FB01G	BNC	Bulk Head Mount (with 'O' Ring)			14
SC2FB02G	BNC	Bulk Head Mount (with 'O' Ring)			14
SC2FB01	BNC	Jack – Jack Bulk Head Mount			14
SC2FB02	BNC	Jack – Jack Bulk Head Mount			14
SC2FP01	BNC	Jack – Jack Flange Mount			15
SC2FP02	BNC	Jack – Jack Flange Mount			15
SC2MFA01	BNC	Right Angle Plug – Jack	J52408/03-01	M55339/ 14-00306	15
SC2T01	BNC	T Adaptor Jack – Plug – Jack		M55339/ 17-00274	15
SC2T11	BNC	T Adaptor Jack – Plug – Jack			15
SC2T02	BNC	T Adaptor Jack – Jack – Jack			16
SC2T12	BNC	T Adaptor Jack – Jack – Jack			16
SC2T03	BNC	T Adaptor Plug – Jack – Jack			16
SC2T13	BNC	T Adaptor Plug – Jack – Jack			16
SC2U03	BNC	U-Link with Monitor			16
SC2U0375	BNC	U-Link with Monitor			16



Part of the machine shop



Part of the plating shop



Part of the assembly



Part of the final inspection

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