MILNEC
INTERCONNECT SYSTEMS

CONNECTING YOUR
ENGINEERING PASSION

MILITARY & DEFENSE EDITION

RS Series

AS95234 Bayonet

MILITARY STYLE CONNECTORS

- IP67 Rated Waterproof Connectors
- Covers, Gaskets, Bushings
- Mounting Hardware, Tooling

About Us

MILNEC INTERCONNECT SYSTEMS is a leader in the design, manufacture, and supply of high-performance cylindrical interconnect systems. From research stations in the Antarctic to spacecraft on the plains of Mars, our high-reliability connector systems conquer the most demanding environments. Milnec is a supplier to leading companies in 24 countries in the following industries:

- Military & Defense
- Aerospace & Space
- Railway & Mass Transit
- Industrial & Heavy Equipment
- Alternative Energy, Nuclear, Oil & Gas

Logistics Solutions for Global Applications

Global logistics and support means we deliver products on time every time to any destination. To support your immediate requirements, we have extensive inventories, making most systems readily available for today's compressed design and production schedules. On average, custom connector solutions made to your exact configuration ship within seven days from the time of order placement.

- Worldwide shipping (restricted to NATO countries only)
- Web access to inventory, prices, & delivery information
- A large stock of popular parts for greater availability
- Competitive pricing and short lead times
- Impeccable customer service & technical support

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U.S. Military Cage Code: 6STX5

NAICS Code: 423690

High Reliability—Simplified

Just because your interconnect problem is complicated does not mean acquiring the solution has to be. Milnec connector systems and our "all-in-one" kits provide engineers the most complete and professional connector solutions with ease and technical clarity.

- Complete, high-reliability solutions
- Simple to understand technical data & configurations
- Online part builder tools, drawings, & documentation
- Field installable & serviceable

Performance With Environmental Responsibility

RoHS compliant products are available to support environmental responsibility and legislative conformity. Through simple modification codes, Milnec provides a wide variety of material options to easily provide customers with fully compliant and eco-friendly connector components.

- RoHS compliant materials & finishes
- Simple material modification codes
- Lead-free solder contacts

Highest Manufacturing Quality

We invest in the finest equipment and modern production processes to ensure that our connectors will exceed your quality and performance expectations. Our production processes include advanced computer numerical control machining, cosmetic and metal finishing, heat treatment, and stainless steel passivation.

- Traceability on 100% of the parts
- Quick production lead times
- Quantity support from R&D to production
- "Just-in-time" delivery, kitting, & special packaging
- Rapid tooling & prototyping for custom designs

RS

Rugged Reverse Bayonet Connectors

The RS Series of connectors is based on the MIL-DTL-5015 standard for performance and reliability. The series features improved reverse bayonet coupling technology for greater reliability and ease-of-use in difficult mounting locations. Three stainless steel mounting pins prevent de-coupling from shock or vibration, even in the most demanding applications such as mass-transit, mining, construction, and military vehicles. The mil-spec RS Series is compliant with AS95234 and VG95234 NATO specifications and features dozens of insert arrangements for both crimp and solder contacts from #0 to #16.

- MIL-DTL-5015 performance
- Quick-disconnect bayonet coupling
- AS95234 & VG95234 compliant
- IP67 environmental sealing
- Contacts from #0 to #16

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Advanced Coupling

The RS Series' three-pin bayonet coupling is the most advanced bayonet coupling mechanism available. Coupling is achieved with a simple 1/3 turn and is confirmed by visual, tactile, and audible cues. The connectors are vibration resistant without the use of lockwire and are reliable in nearly any application that demands rugged interconnect solutions. The reverse bayonet design also allows for easy and thorough field cleaning to ensure complete, unobstructed coupling every time, even in the harshest environements.

- Coupling in easy 1/3 turn
- Visual, tactile, and audible "click" confirmed coupling
- Reverse bayonets allow simple field cleaning

Durable Connector Design

RS Series connectors are machined from rugged aircraft-grade aluminum alloy for strength and durability. An olive drab chromate coating over cadmium plating provides additional corrosion resistance by protecting the surface of the connector shell. In addition, a black zinc finish is available for applications subject to RoHS requirements. For harsh AS95234 or VG95234 envrionments, you can count on RS connectors for performance and durability.

- Aircraft-grade aluminum
- Olive drab chromate over cadmium plating
- Black zinc available for RoHS

IP67 Environmental Backshells

Connectors as rugged and reliable as the RS Series are best when paired with a matching backshell for superior performance in harsh environments. Milnec offers RS connectors with a variety of backshells to suit the demanding environments of military and heavy-industry applications.

Strain relief cable clamps included with all series backshells offer simple tension protection from the wire bundle. Inside each metal backshell is a wire or cable sealing grommet to provide improved environmental protection from dust and moisture. In addition, a longer version of the sealing backshell is available for cables that require more room behind the connector.

Features & Benefits

Plug
- Straight w/ optional RFI grounding spring

Receptacles
- Wall mount (front mount)
- Wall mount (rear mount)
- Box mount (front mount)
- Box mount (rear mount)
- Jam nut
- Jam nut (box mount)
- Cable mount
- Thru-bulkhead

Backshells
- Wire sealing environmental with strain relief
- Cable sealing environmental with strain relief

Contacts
- Solder
- Crimp

Inserts
- Heat & fluid resistant
- 107 insert combinations
- 5 alternate rotations

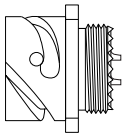
Accessories
- Protective cover with sash chain
- Stowage receptacle
- Mounting gasket
- Mounting bracket with sealing screws

Material
- Aluminum

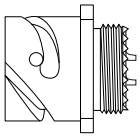
Finishes
- Olive drab cadmium
- RoHS compliant finishes available

Coupling
- Reverse bayonet coupling
- 1/3 turn for complete coupling
- Vibration resistant locking mechanism
- Self-cleaning bayonet ramps

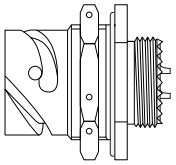
Receptacles



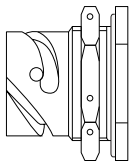
Wall Mount (Front Mount)
p. V-22



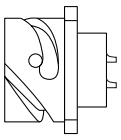
Wall Mount (Rear Mount)
p. V-23



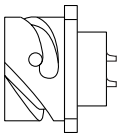
Jam Nut
p. V-26



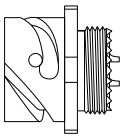
Jam Nut (Box Mount)
p. V-27



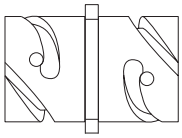
Box Mount (Front Mount)
p. V-24



Box Mount (Rear Mount)
p. V-25

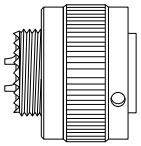


Cable Mount
p. V-29



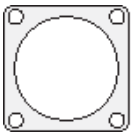
Thru-Bulkhead
p. V-28

Plugs

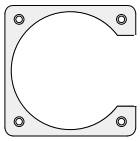


Standard Plug
p. V-20

Mounting

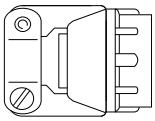


Gasket
p. V-38

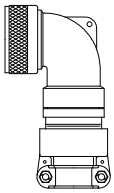


Mounting Bracket
p. V-39

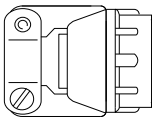
Backshells



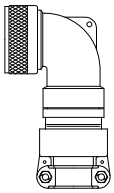
Wire Sealing
p. V-32



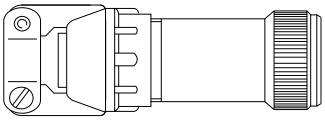
90° Wire Sealing
p. V-33



Cable Sealing
p. V-30

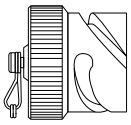


90° Cable Sealing
p. V-31

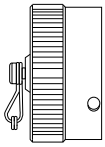


Long Environmental
p. V-35

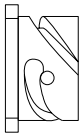
Covers



Plug Cover
p. V-37

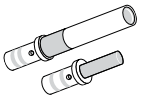


Receptacle Cover
p. V-37



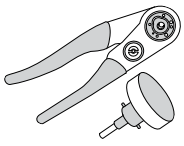
Stowage Receptacle
p. V-36

Contacts

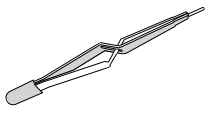


Standard
p. V-9

Tools



Crimper & Positioner
p. V-40



Insertion/Extraction
p. V-9

Solder Iron
p. V-41

Performance Specifications

Built to meet or exceed MIL-DTL-5015, AS95234, and VG95234 specifications.

Environmental Characteristics

Temperature Range

-67° to +257°F (-55° to +125°C)
Service life varies with the maximum internal hot spot temperature resulting from any combination of electrical load or ambient temperature:
77°F (25°C): Continuous
221°F (105°C): 1,000 hours
257°F (125°C): 250 hours

Water Pressure

IP67 rating (environmental sealing)
Fully submersible to 33 ft (10 m) for 12 hours (14.7 PSI)

Air Leakage Rate

Environmental connector air leakage rate shall not exceed 1 inch^3/hr (4.55 x10^{-3} cm^3/sec) at 30 psi (2.11 kg/cm^2) pressure differential

Salt Spray Rating

See Materials & Finishes, p. V-10

Humidity

Mated connectors shall maintain an insulation resistance of 100 megohms or greater at 77°F (25°C) with 95% humidity for duration of 20 days

Chemical Resistance to Fluids

20 hour full immersion (unmated) in hydraulic fluid and lubricating oil without damage or material degradation

Physical Characteristics

Coupling

3-point bayonet, stainless steel bayonet pins spaced at 120° on plug coupling ring with locking detent; corresponding ramps on receptacle shell; 1/3 turn to couple and uncouple

Coupling Torque

Engagement & Disengagement Force (max / min)
Shell Size 10: 1.25 ft-lb$_f$ (1.7 N-m) / .11 ft-lb$_f$ (.15 N-m)
Shell Size 12: 1.84 ft-lb$_f$ (2.5 N-m) / .17 ft-lb$_f$ (.23 N-m)
Shell Size 14: 2.66 ft-lb$_f$ (3.6 N-m) / .26 ft-lb$_f$ (.35 N-m)
Shell Size 16: 4.06 ft-lb$_f$ (5.5 N-m) / .34 ft-lb$_f$ (.46 N-m)
Shell Size 18: 5.90 ft-lb$_f$ (8.0 N-m) / .43 ft-lb$_f$ (.58 N-m)
Shell Size 20: 6.64 ft-lb$_f$ (9.0 N-m) / .52 ft-lb$_f$ (.70 N-m)
Shell Size 22: 8.11 ft-lb$_f$ (11 N-m) / .59 ft-lb$_f$ (.80 N-m)
Shell Size 24: 10.33 ft-lb$_f$ (14 N-m) / .59 ft-lb$_f$ (.80 N-m)
Shell Size 28: 12.54 ft-lb$_f$ (17 N-m) / .68 ft-lb$_f$ (.92 N-m)
Shell Size 32: 14.01 ft-lb$_f$ (19 N-m) / .75 ft-lb$_f$ (1.02 N-m)
Shell Size 36: 16.96 ft-lb$_f$ (23 N-m) / .77 ft-lb$_f$ (1.05 N-m)

Polarization

Single master key and keyway on top position of shell

Insert Arrangements

107 standard, custom inserts available

Insert Rotations

Normal polarization (N), plus 4 alternate insert rotational polarizations (W, X, Y, Z)

Endurance Characteristics

Coupling Cycles

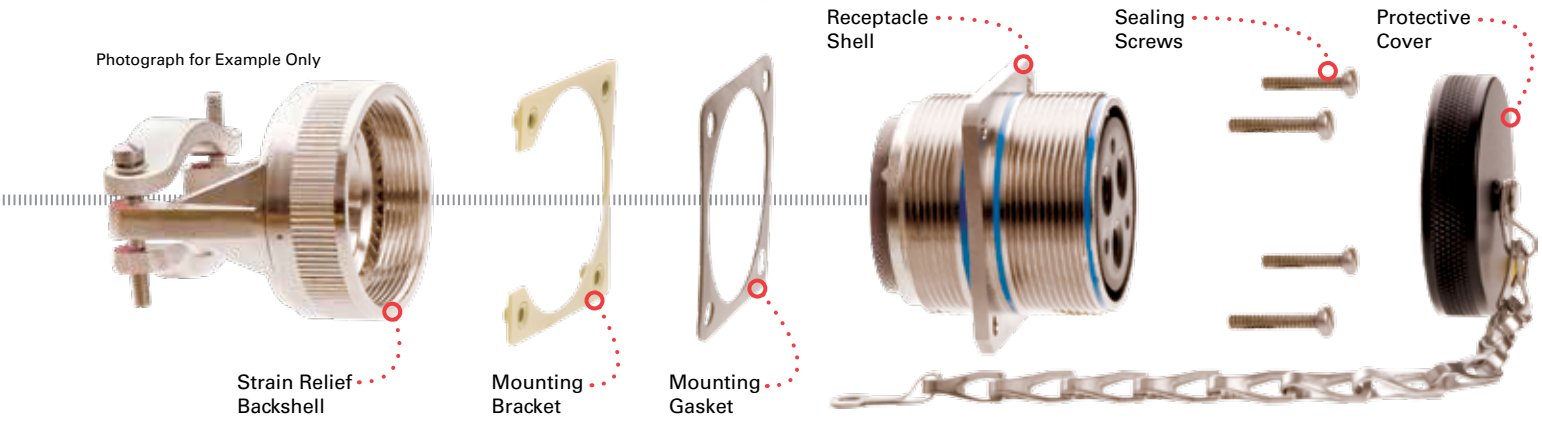
500 coupling cycles (minimum)

Shock

50g's, 11ms duration, three major axes, 10 microseconds maximum discontinuity

Vibration

Random vibration at 10 to 2,000Hz (15g's), 10 microseconds maximum discontinuity



Material Characteristics

Shell
Aluminum, solid, one piece, seamless construction

Shell Plating
Standard (W) finish is electrically conductive cadmium plate finish with an olive drab chromate after-treat for additional corrosion resistance
(See p. V-10 for all available finishes)

Shell Conductivity
Maximum shell-to-shell conductivity potential drop shall not exceed 200 millivolts across assembly

Insert
Resilient polychlorophrene (neoprene)
Non-removable and mechanically bonded to shell

Protective Cover Chain
Passivated stainless steel, sash chain able to withstand a 25 lb (11.3 kg) tensile force without damage

Compression Cup
Plastic

Sealing Grommet
Neoprene

O-Ring Seal
Neoprene or silicone

Mounting Gasket
Neoprene or silicone

Mounting Bracket
Aluminum alloy with SST locking nuts

Sealing Screws
SST steel with silicone O-rings

Cable Bushing
Neoprene

Contact Characteristics

Solder Contact Design
Permanently bonded to insert
Pre-tinned solder cups and solder wells standard

Crimp Contact Design
Removable, rear-release contacts

Contact Sizes
#0, #4, #8, #12, #16, #16S

Contacts
Copper alloy

Contact Plating
Silver alloy plate, 100 µinches (2.54 µm) minimum

Max Number of Contacts
1 to 48 standard, custom inserts available

Max Contact Resistance
6 milliohm maximum resistance

Potential Voltage Drop
<50 millivolt maximum drop (initial)

Contact Retention
Pin and socket contacts are designed to resist severe vibration and repeated connection and disconnection

Electrical Characteristics

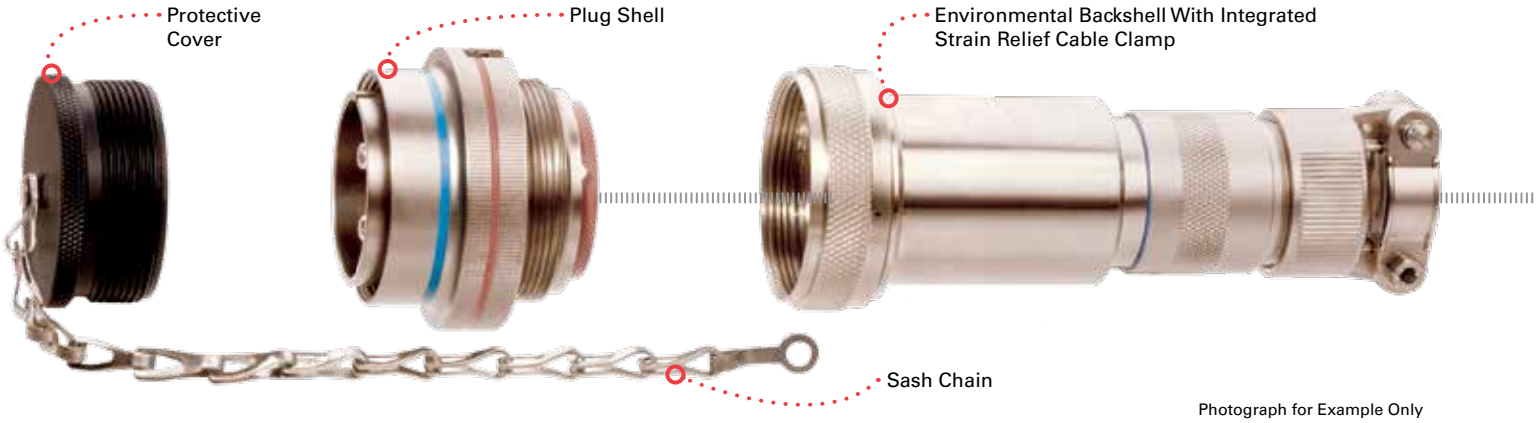
Current Rating
150 amps (test current) at 68°F (20°C)

Max Operating Voltage
3,000 VAC (RMS) at sea level

Insulation Resistance
>5,000 megohms at 77°F (25°C)

Wire Size
0 to 16 (AWG)

Wire Sealing Range
Designed for individual wire sealing
Sealing is only guaranteed if wires meet MIL-W-5086 or within permitted ranges



Photograph for Example Only

Standard Solder Contacts & Wire Dimensions

Contact Size	Wire Range		Potential Drop (Millivolts)	Max Contact Resistance (Milliohm)	Jacket Strip Length	Solder Well Inside Diameter	Solder Well Outside Diameter	Contact Retention Axial Load Pounds (Newtons)	Separation Force Min Pounds (Newtons)
	AWG	Dia							
#16S	16, 18, 20, 22	.025–.050 (.64–1.29)	<50	6	.250 (6.4)	.078 (2.0)	.103 (2.6)	10 (44)	.25 (1)
#16	16, 18, 20, 22	.025–.050 (.64–1.29)	<50	6	.250 (6.4)	.078 (2.0)	.103 (2.6)	10 (44)	.25 (1)
#12	12, 14	.064–.080 (1.62–2.05)	<42	3	.375 (9.5)	.116 (2.9)	.146 (3.7)	15 (67)	.50 (2)
#8	8, 10	.10–.12 (2.58–3.26)	<26	1	.500 (12.7)	.209 (5.3)	.256 (6.5)	20 (89)	.75 (3)
#4	4, 6	.16–.20 (4.11–5.18)	<23	.5	.625 (15.9)	.332 (8.4)	.394 (10.0)	20 (89)	1.00 (4)
#0	0, 1, 2	.25–.32 (6.54–8.25)	<21	.2	.625 (15.9)	.469 (11.9)	.547 (13.9)	25 (111)	2.00 (9)

Test ratings only. A connector cannot withstand maximum current through all contacts continuously. Please note that the establishment of electrical safety factors is left entirely in the designer's hands, since he or she is in the best position to know what peak voltage, switching surges, transients, etc. can be expected in a particular circuit. Dimensions are in inches (mm) unless otherwise noted.

Current Rating By Contact Size & Wire Size

Wire Size (AWG)	Contact Size				
	#16	#12	#8	#4	#0
22	5A				
20	7.5A				
18	10A				
16	13A				
14		17A			
12		23A			
10			33A		
8			46A		
6				60A	
4				80A	
2					100A
1					125A
0					150A

Test ratings only. A connector cannot withstand maximum current through all contacts continuously. Please note that the establishment of electrical safety factors is left entirely in the designer's hands, since he or she is in the best position to know what peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

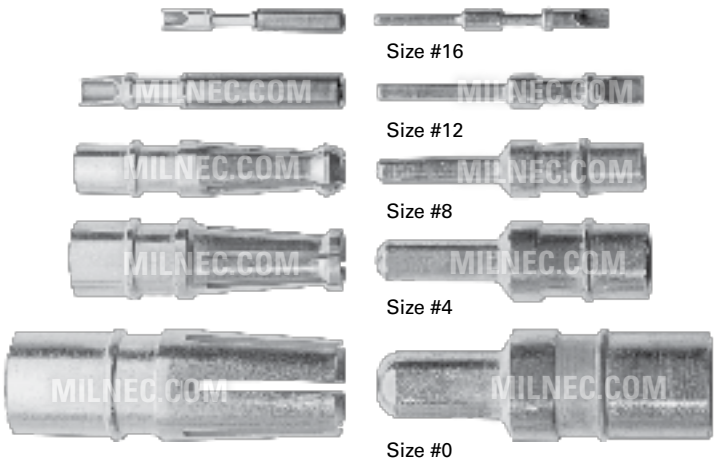
Contact Reducing Bushings

Bushing Part Number	Contact Size	Wire Size	Bushing Inner Diameter	Bushing Outer Diameter
CRB6-10	#6	#10	.136 (3.5)	.225 (5.7)
CRB6-9	#6	#9	.155 (3.9)	.225 (5.7)
CRB6-8	#6	#8	.185 (4.7)	.225 (5.7)
CRB4-8	#4	#8	.185 (4.7)	.272 (6.9)
CRB4-6	#4	#6	.225 (5.7)	.272 (6.9)
CRB4-5	#4	#5	.250 (6.6)	.272 (6.9)
CRB1-6	#1	#6	.225 (5.7)	.396 (10.1)
CRB1-2	#1	#2	.359 (9.1)	.396 (10.1)
CRB0-2	#4/0	#2/0	.500 (12.7)	.629 (16.0)

Contact reducing bushings are required when crimping a smaller wire than the contact is designed for. Dimensions are in inches (mm) unless otherwise noted.

RS Series Contacts

Below are the RS Series solder contacts shown in actual size. This illustration can help determine which size contact will best fit a wire if you do not know the wire gauge being used.



Standard Crimp Contacts, Sealing Plugs, & Tooling

Contact Size	Wire Size (AWG)	Contact Style	Part Number	Wire Range (Dia)	Jacket Strip Length	Crimping Tool	Positioner (Turret)	Insertion Tool	Extraction Tool
#16S	16-18	Pin	RCPP16S	.040–.051 (1.02–1.29)	.245 (6.2)	TK101A	TP291	TN345	TX250 Kit
		Socket	RCSS16S						
#16	16-18	Pin	RCPP16	.040–.051 (1.02–1.29)	.245 (6.2)				
		Socket	RCSS16						
#12	12-14	Pin	RCPP12	.064–.081 (1.63–2.05)	.245 (6.2)			TN082	
		Socket	RCSS12						
#8	8	Pin	RCPP08	.129 (3.26)	.465 (11.8)	Pico 400BHD	Pico 414DA-8N	TN220	
		Socket	RCSS08						
#4	4	Pin	RCPP04	.204 (5.19)	.465 (11.8)		Pico 414DA-4N	TN654†	TX704†
		Socket	RCSS04						TX742†
#0	0	Pin	RCPP00	.325 (8.25)	.540 (13.7)		Pico 414DA-0N	TN655†	TX705†
		Socket	RCSS00						TX743†

Dimensions are in inches (mm) unless otherwise noted. Additional contact sizes and gold plating are available upon request. †Tool used with Arbor press 11-7364.

Contact Derating Specifications

Service Rating	Max Operating Voltage at Sea Level		Nominal Distance in Inches (mm)		Mechanical Spacing Nominal	Standard Sea Level Conditions		Pressure Altitude 50,000 ft		Pressure Altitude 70,000 ft	
	AC (RMS)	DC	Airspace	Creepage		Min Flashover Voltage AC (RMS)	Test Voltage AC (RMS)	Min Flashover Voltage AC (RMS)	Test Voltage AC (RMS)	Min Flashover Voltage AC (RMS)	Test Voltage AC (RMS)
Inst.	200	250	.0312 (.8)	.063 (1.6)	—	1,400	1,000	500	400	325	260
A	500	700	.063 (1.6)	.125 (3.2)	.063 (1.6)	2,800	2,000	800	600	450	360
D	900	1,250	.125 (3.2)	.188 (4.8)	.125 (3.2)	3,600	2,800	900	675	500	400
E	1,250	1,750	.188 (4.8)	.250 (6.4)	.188 (4.8)	4,500	3,500	1,000	750	550	440
B	1,750	2,450	.250 (6.4)	.313 (8.0)	.250 (6.4)	5,700	4,500	1,100	825	600	480
C	3,000	4,200	.313 (8.0)	1.000 (25.4)	.313 (8.0)	8,500	7,000	1,300	975	700	560

Test ratings only. A connector cannot withstand maximum current through all contacts continuously. Please note that the establishment of electrical safety factors is left entirely in the designer's hands, since he or she is in the best position to know what peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

Torque Values For Cable Clamp Screws

Screw Size	Recommended Torque	
	Min	Max
#2-56	1.5 (.2)	2.5 (.3)
#4-40	3.5 (.4)	4.5 (.5)
#6-32	5 (.6)	7 (.8)
#8-32	7 (.8)	9 (1.0)
#10-32	9 (1.0)	11 (1.2)
#.250-20	11 (1.2)	13 (1.5)

Units are in inch pounds (Newton meters).

Wire Sealing Range

Contact Size	Wire Size (AWG)	Insulation Outside Diameter Range	
		Min	Max
#16	16, 18, 20, 22	.064 (1.63)	.130 (3.30)
#12	12, 14	.114 (2.90)	.170 (4.32)
#8	8,10	.164 (4.17)	.255 (6.48)
#4	4, 6	.275 (6.98)	.370 (9.40)
#0	0, 1, 2	.415 (10.54)	.550 (13.97)

Dimensions are in inches (mm) unless otherwise noted.

RS Series Finishes

A connector's finish does more than simply provide good looks. The finish is the first line of defense for a connector. It provides enhanced corrosion resistance and can be made conductive to provide electrical continuity across connector shells for EMI/RFI shielding applications.

Olive drab cadmium is the standard finish for the RS Series. It offers excellent corrosion resistance and will match the aesthetic design of most applications. In addition, a number of specialty finishes are available, including RoHS compliant finishes for environmentally friendly designs. ■

Standard RS Series Materials & Finishes

Finish Code	Finish	Electrically Conductive	Pre-Tinned Solder Cups	RoHS Compliant	Appearance	Shell Material	Salt Spray Rating	Recommended Operating Temperature Range
W	Olive Drab Cadmium	✓	✓		Drab Olive Green	Aluminum	500 hrs	-67° to +257°F (-55° to +125°C)
C	Zinc Cobalt		✓		Black	Aluminum	125 hrs	-67° to +257° (-55° to +125°C)
CA				✓				
CB		✓	✓					
CC				✓				

Special RS Series Materials & Finishes*

Finish Code	Finish	Electrically Conductive	Pre-Tinned Solder Cups	RoHS Compliant	Appearance	Shell Material	Salt Spray Rating	Recommended Operating Temperature Range
B	Hardcoat Anodize		✓		Grey to Black	Aluminum	336 hrs	-67° to +257°F (-55° to +125°C)
BA				✓				
N	Electroless Nickel	✓	✓		Bright Metal	Aluminum	48 hrs	-67° to +257°F (-55° to +125°C)
NA				✓				
T	Nickel Flurocarbon Polymer	✓		✓	Grey Metal	Aluminum	1,000 hrs	-85° to +347°F (-65° to +175°C)

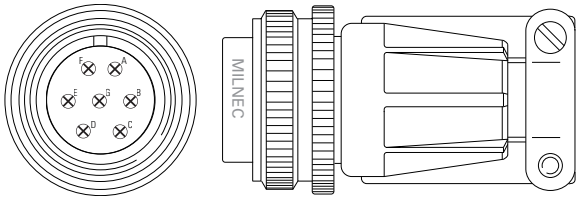
* Please consult an authorized distributor for lead time information and minimum quantity requirements for special order finishes.

RS

Olive Drab Cadmium—Durable & Economical

Olive drab cadmium (W) plating is the standard finish for RS Series connectors due to its high corrosion resistance. This finish is conductive, making it suitable for shielding or grounding applications, and is resistive to galling. Its olive drab appearance matches most equipment. Olive drab cadmium is suitable for all general duty, industrial, military, and marine applications.

- Finish Specification: SAE-AMS-QQ-P-416 II Class 2
- Appearance: Military Olive Drab Green
- Sheen: Flat, Low Gloss
- Max Temp. Rating: 347°F (175°C)
- Salt Spray Rating: 500 hours
- Lubricity: Good
- Galling Resistance: High
- Conductive: Yes
- RoHS Compliant: No



RoHS Compliant Parts

Milnec provides a full offering of RoHS compliant finishes in conductive and non-conductive versions to best suit your application requirements.

Please consult the latest European Union general and regional regulations to ensure materials are appropriate for your application and compliance requirements.

How to Build Your RS Connector Part Number

A part number is comprised of a string of characters that represent the different elements of a connector. High-performance connectors are built to order from component form using a unique part number as a blueprint to specify particular characteristics. Each modifier of the part number represents a particular configuration.

Below is an example part number for a RS Series connector that designates, 1) Milnec RS Series wall mount receptacle, 2) olive drab cadmium finish over aluminum, 3) neoprene insert 4) 16S-1 insert arrangement, 5) socket contacts, 6) normal rotation, 7) cable sealing backshell 8) complete sealing kit with protective cover and mounting and gasket accessories. ■

RS00	W	N	16S-1	S	N	-	E2	-	03
1	2	3	4	5	6		7		8

1 Series Shell Style

Solder Connectors

RS06	Plug, p. V-20
RS05	Plug with RFI grounding fingers, p. V-20
RS00	Wall mount recept. (front mount), p. V-22
RS04	Wall mount recept. (rear mount), p. V-23
RS02	Box mount recept. (front mount), p. V-24
RS03	Box mount recept. (rear mount), p. V-25
RS07	Jam mount receptacle, p. V-26
RS09	Jam mount recept. (box mount), p. V-27
RS22	Thru-bulkhead receptacle, p. V-28
RS01	Cable mount receptacle, p. V-29

Crimp Connectors

RC06	Plug, p. V-20
RC05	Plug with RFI grounding fingers, p. V-20
RC00	Wall mount recept. (front mount), p. V-22
RC04	Wall mount recept. (rear mount), p. V-23
RC02	Box mount recept. (front mount), p. V-24
RC03	Box mount recept. (rear mount), p. V-25
RC07	Jam nut receptacle, p. V-26
RC09	Jam nut receptacle (box mount), p. V-27
RC01	Cable mount receptacle, p. V-29

For non-standard shell styles, including thru-bulkhead receptacles, please see specific datasheet for part numbering and kitting options.

2 Shell Material & Finish

W Olive drab cadmium (aluminum)
500 hr. dynamic salt spray rating

For complete materials and finishes options, including RoHS, see p. V-10.

3 Insert Material

N	Standard resilient neoprene
V	Viton, chemical resistant, high temperature
F	Flame retardant, low smoke, halogen free, (for mass transit or occupant cabins)

4 Shell Size & Insert Arrangement

See Insert Arrangement Selection table on p. V-12

5 Contact Style

P	Pin
S	Socket
H	Socket, high amperage
X	Pin - PC tail
Y	Socket - PC tail

Thermocouple Contacts
Connectors may be ordered with the following size #16 and #12 thermocouple contact options: alumel, chromel, iron, and constantan.

Please consult authorized distributor for lead time and minimum quantity requirements.

6 Insert Rotations

Normal Rotation

N Normal rotation

Alternate Rotations

W, X, Y, Z Alternate rotation

See Insert Arrangement Selection table on p. V-12.
(Not all rotations are available for every arrangement.)

7 Backshell

E2	Straight cable sealing backshell
E4	90° cable sealing backshell
F2	Straight wire sealing backshell
F4	90° wire sealing backshell
L2	Long cable sealing backshell

8 Optional Accessory Kit (Omit for None)

01 For Plugs:
Protective cover

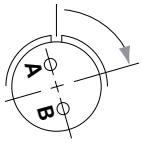
02 For Receptacles:
Protective cover + Mounting gasket

03 For Receptacles:
Protective cover + Mounting gasket + Mounting bracket with (4x) sealing screws

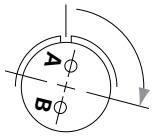
Selecting Your Insert Arrangement & Rotation

Below is a chart that represents every available shell and insert arrangement within the series. To choose the proper insert arrangement, you must first distinguish your application requirements for contact size and amount.

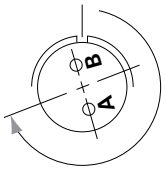
Rotations are designated at the time of ordering using rotation labels N (normal), W, X, Y, and Z. Some insert arrangements have limited or no alternate rotation options. Refer to the chart below for possible rotations for specific arrangements. ■



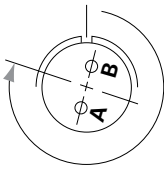
Position W



Position X



Position Y



Position Z

Looking into front face of pin insert or rear of socket insert.

Insert Arrangement Selection Chart

Insert Arrangement	Total Contacts	Contact Size					Service Rating	Alternate Insert Rotation			
		#16	#12	#8	#4	#0		W	X	Y	Z
10SL-3	3	3					A				
10SL-4	2	2					A	63°			
14S-1	3	3					A				
14S-2	4	4					Inst.		120°	240°	
14S-4	1	1					D				
14S-5	5	5					Inst.		110°		
14S-6	6	6					Inst.				
14S-7	3	3					A	90°	180°	270°	
14S-9	2	2					A	70°	145°	215°	290°
16-7	3	2		1			A	80°	110°	250°	280°
16-9	4	2	2				A	35°	110°	250°	325°
16-10	3		3				A	90°	180°	270°	
16-11	2		2				A	35°	110°	250°	325°
16-12	1				1		A				
16S-1	7	7					A	80°			280°
16S-4	2	2					D	35°	110°	250°	325°
16S-5	3	3					A	70°	145°	215°	290°
16S-8	5	5					A		170°	265°	
18-1	10	10					A/Inst.	70°	145°	215°	290°
18-3	2		2				D	35°	110°	250°	325°
18-4	4	4					D	35°	110°	250°	325°
18-5	3	1	2				D	80°	110°	250°	280°
18-6	1				1		D				
18-7	1			1			B				
18-8	8	7	1				A	70°			290°
18-9	7	5	2				Inst.	80°	110°	250°	280°
18-10	4		4				A		120°	240°	
18-11	5		5				A		170°	265°	
18-12	6	6					A	80°			280°
18-13	4		3	1			A	80°	110°	250°	280°
18-19	10	10					A				
18-20	5	5					A	90°	180°	270°	

(Continued on next page)

Insert Arrangement Selection Chart (Continued from previous page)

Insert Arrangement	Total Contacts	Contact Size					Service Rating	Alternate Insert Rotation			
		#16	#12	#8	#4	#0		W	X	Y	Z
18-22	3	3					D	70°	145°	215°	290°
20-2	1					1	D				
20-3	3		3				D	70°	145°	215°	290°
20-4	4		4				D	45°	110°	250°	
20-6	3	3					D	70°	145°	215°	290°
20-7	8	8					D/A	80°	110°	250°	280°
20-8	6	4		2			Inst.	80°	110°	250°	280°
20-11	13	13					Inst.				
20-14	5		3	2			A	80°	110°	250°	280°
20-15	7		7				A	80°			280°
20-16	9	7	2				A	80°	110°	250°	280°
20-17	6	1	5				A	90°	180°	270°	
20-18	9	6	3				A	35°	110°	250°	325°
20-19	3			3			A	90°	180°	270°	
20-22	6	3		3			A	80°	110°	250°	280°
20-23	2			2			A	35°	110°	250°	325°
20-27	14	14					A	35°	110°	250°	325°
20-29	17	17					A	80°			280°
20-33	11	11					A				280°
22-1	2			2			D	35°	110°	250°	325°
22-2	3			3			D	70°	145°	215°	290°
22-4	4		2	2			A	35°	110°	250°	325°
22-7	1					1	E				
22-8	2		2				E	35°	110°	215°	325°
22-9	3		3				E	70°	145°	250°	290°
22-10	4	4					E	35°	110°	215°	325°
22-11	2	2					B	35°	110°	250°	325°
22-12	5	3		2			D	80°	110°	250°	280°
22-14	19	19					A	80°	110°	250°	280°
22-18	8	8					D/A	80°	110°	250°	280°
22-19	14	14					A	80°	110°	250°	280°
22-20	9	9					A	35°	110°	250°	325°
22-21	3	2				1	A	80°	110°	250°	280°
22-22	4			4			A		110°	250°	
22-23	8		8				D/A	35°		250°	
22-28	7		7				A	80°			280°
24-2	7		7				D	80°			280°
24-5	16	16					A	80°	110°	250°	280°
24-6	8		8				D/A	80°	110°	250°	280°
24-7	16	14	2				D	80°	110°	250°	280°
24-9	2				2		A	35°	110°	250°	325°
24-10	7			7			A	80°			280°
24-11	9		6	3			A	35°	110°	250°	325°
24-12	5		3		2		A	80°	110°	250°	280°
24-19	12	12					A				
24-20	11	9	2				D	80°	110°	250°	280°

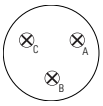
(Continued on next page)

Insert Arrangement Selection Chart (Continued from previous page)

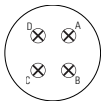
Insert Arrangement	Total Contacts	Contact Size					Service Rating	Alternate Insert Rotation			
		#16	#12	#8	#4	#0		W	X	Y	Z
24-21	10	9		1			D	80°	110°	250°	280°
24-22	4			4			D	45°	110°	250°	
24-27	7	7					E	80°			280°
24-28	24	24					Inst.	80°	110°	250°	280°
28-5	5	2	1		2		D	35°	110°	250°	325°
28-9	12	6	6				D	80°	110°	250°	280°
28-10	7		3	2	2		D/A	80°	110°	250°	280°
28-11	22	18	4				A	80°	110°	250°	280°
28-12	26	26					A	90°	180°	270°	
28-15	35	35					A	80°	110°	250°	280°
28-16	20	20					A	80°	110°	250°	280°
28-20	14	4	10				A	80°	110°	250°	280°
28-21	37	37					A	80°	110°	250°	280°
28-22	6	3			3		D	70°	145°	250°	290°
32-1	5		3			2	E/D	80°	110°	250°	280°
32-5	2					2	D	35°	110°	250°	325°
32-6	23	16	2	3	2		A	80°	110°	250°	280°
32-7	35	28	7				Inst./A	80°	125°	235°	280°
32-8	30	24	6				A	80°	125°	235°	280°
32-9	14	12			2		D	80°	110°	250°	280°
32-15	8		6			2	D	35°	110°	250°	280°
32-17	4				4		D	45°	110°	250°	
36-3	6		3			3	D	70°	145°	215°	290°
36-5	4					4	A		120°	240°	
36-6	6				4	2	A	35°	110°	250°	325°
36-9	31	14	14	2	1		A	80°	125°	235°	280°
36-10	48	48					A	80°	125°	235°	280°
36-14	16	6	5	5			D	90°	180°	270°	
36-15	35	35					D/A	60°	125°	245°	305°

10SL-3
A
3 x #16

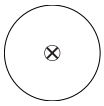
10SL-4
A
2 x #16



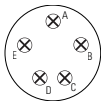
14S-1
A
3 x #16



14S-2
Inst.
4 x #16

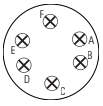


14S-4
D
1 x #16

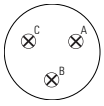


14S-5
Inst.
5 x #16

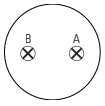
Arrangement
Service Rating
Number of Contacts



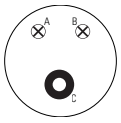
14S-6
Inst.
6 x #16



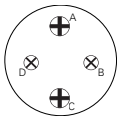
14S-7
A
3 x #16



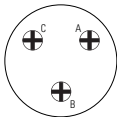
14S-9
A
2 x #16



16-7
A
1 x #8
2 x #16

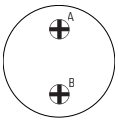


16-9
A
2 x #12
2 x #16

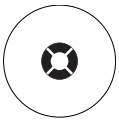


16-10
A
3 x #12

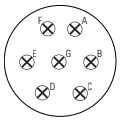
Arrangement
Service Rating
Number of Contacts



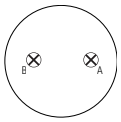
16-11
A
2 x #12



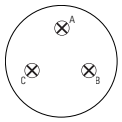
16-12
A
1 x #4



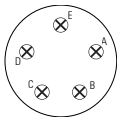
16S-1
A
7 x #16



16S-4
D
2 x #16

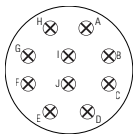


16S-5
A
3 x #16

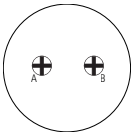


16S-8
A
5 x #16

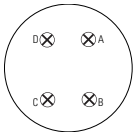
Arrangement
Service Rating
Number of Contacts



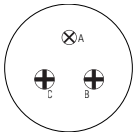
18-1
B,C,F,G=A; Bal.=Inst.
10 x #16



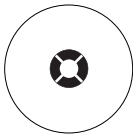
18-3
D
2 x #12



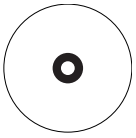
18-4
D
4 x #16



18-5
D
2 x #12
1 x #16

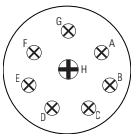


18-6
D
1 x #4

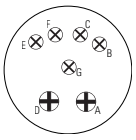


18-7
B
1 x #8

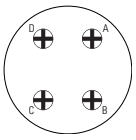
Arrangement
Service Rating
Number of Contacts



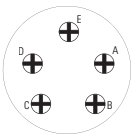
18-8
A
1 x #12
7 x #16



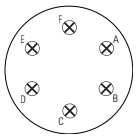
18-9
Inst.
2 x #12
5 x #16



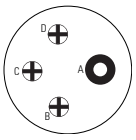
18-10
A
4 x #12



18-11
A
5 x #12



18-12
A
6 x #16



18-13
A
1 x #8
3 x #12

Arrangement
Service Rating
Number of Contacts

Contact Legend #0 #4 #8 #10 #12 #16

(Continued on next page)

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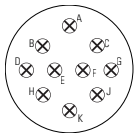
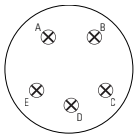
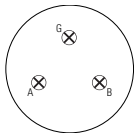
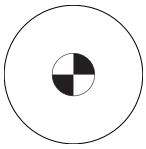
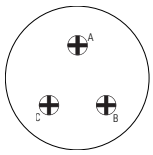
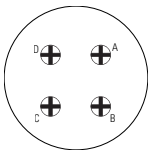
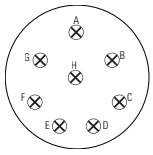
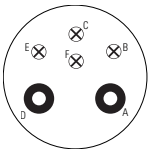
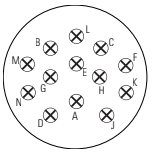
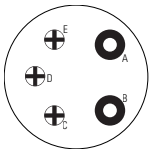
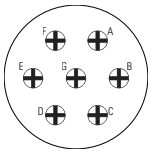
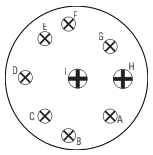
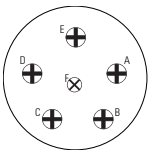
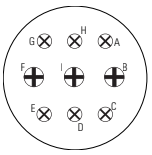
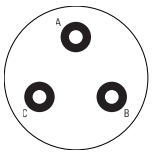
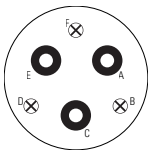
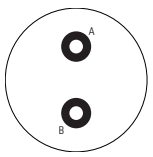
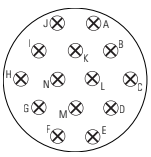
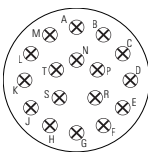
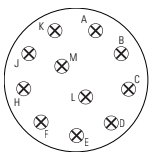
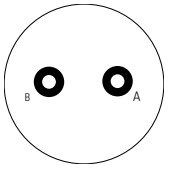
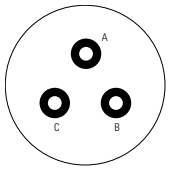
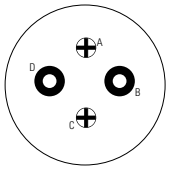
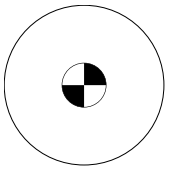
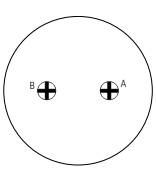
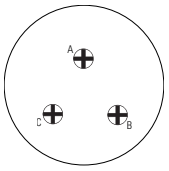
						
Arrangement	**18-19**	**18-20**	**18-22**	**20-2**	**20-3**	**20-4**
Service Rating	A	A	D	D	D	D
Number of Contacts	10 x #16	5 x #16	3 x #16	1 x #0	3 x #12	4 x #12
						
Arrangement	**20-7**	**20-8**	**20-11**	**20-14**	**20-15**	
Service Rating	A,B,H,G=D; C,D,E,F=A	Inst.	Inst.	A	A	
Number of Contacts	8 x #16	2 x #8; 4 x #16	13 x #16	2 x #8 3 x #12	7 x #12	
						
Arrangement	**20-16**	**20-17**	**20-18**	**20-19**	**20-22**	
Service Rating	A	A	A	A	A	
Number of Contacts	2 x #12 7 x #16	5 x #12 1 x #16	3 x #12 6 x #16	3 x #8	3 x #8 3x #16	
						
Arrangement	**20-23**	**20-27**	**20-29**	**20-33**	**22-1**	
Service Rating	A	A	A	A	D	
Number of Contacts	2 x #8	14 x #16	17 x #16	11 x #16	2 x #8	
						
Arrangement	**22-2**	**22-4**	**22-7**	**22-8**	**22-9**	
Service Rating	D	A	E	E	E	
Number of Contacts	3 x #8	2 x #8 2 x #12	1 x #0	2 x #12	3 x #12	

Contact Legend #0 #4 #8 #10 #12 #16

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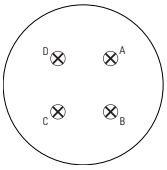
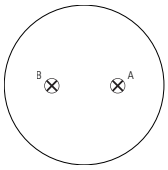
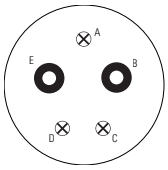


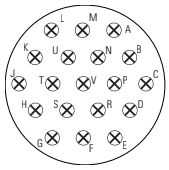
22-10
E
4 x #16



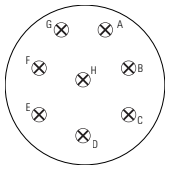
22-11
B
2 x #16



22-12
D
2 x #8
3 x #16

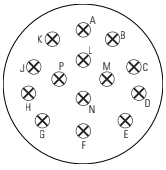


22-14
A
19 x #16

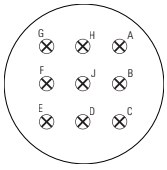


22-18
A,B,F,G,H=D; C,D,E=A
8 x #16

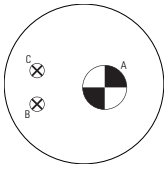
Arrangement
Service Rating
Number of Contacts



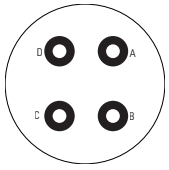
22-19
A
14 x #16



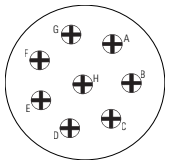
22-20
A
9 x #16



22-21
A
1 x #0
2 x #16

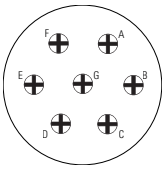


22-22
A
4 x #8

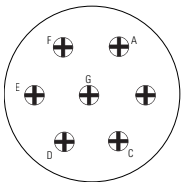


22-23
H=D; Bal.=A
8 x #12

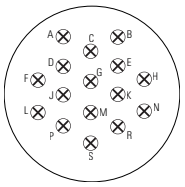
Arrangement
Service Rating
Number of Contacts



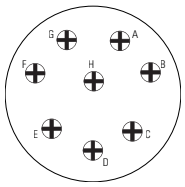
22-28
A
7 x #12



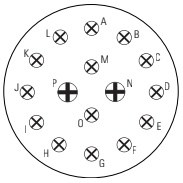
24-2
D
7 x #12



24-5
A
16 x #16

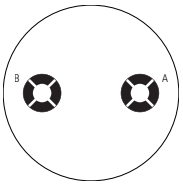


24-6
A,G,H=D; Bal.= A
8 x #12

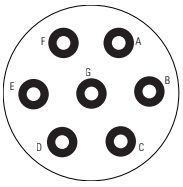


24-7
A
2 x #12
14 x #16

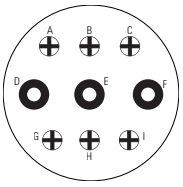
Arrangement
Service Rating
Number of Contacts



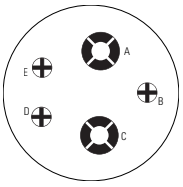
24-9
A
2 x #4



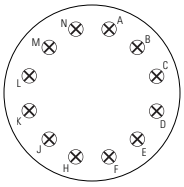
24-10
A
7 x #8



24-11
A
3 x #8
6 x #12

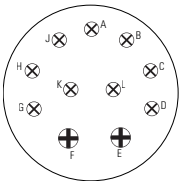


24-12
A
2 x #4
3 x #12

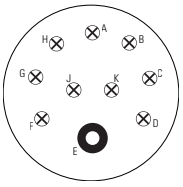


24-19
A
12 x #16

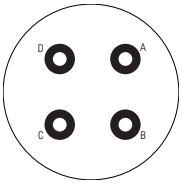
Arrangement
Service Rating
Number of Contacts



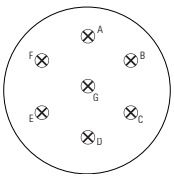
24-20
D
2 x #12
9 x #16



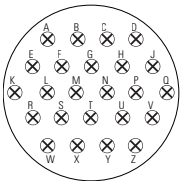
24-21
D
1 x #8
9 x #16



24-22
D
4 x #8



24-27
E
7 x #16



24-28
Inst.
24 x #16

Arrangement
Service Rating
Number of Contacts

Contact Legend #0 #4 #8 #10 #12 #16

(Continued on next page)

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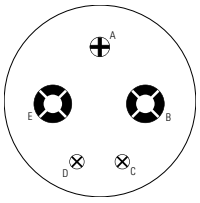
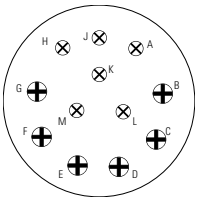
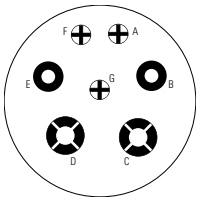
(Continued from previous page)



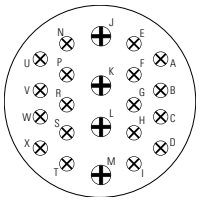
Arrangement	**28-5**
Service Rating	D
Number of Contacts	2 x #4 1 x #12 2 x #16



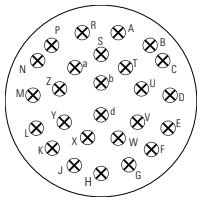
Arrangement	**28-9**
Service Rating	D
Number of Contacts	6 x #12 6 x #16



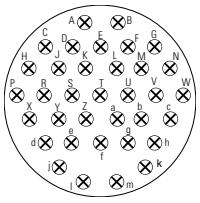
Arrangement	**28-10**
Service Rating	G=D; Bal.= A
Number of Contacts	2 x #4 2 x #8 3 x #12



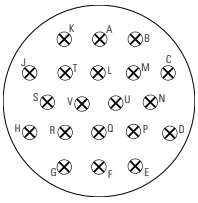
Arrangement	**28-11**
Service Rating	A
Number of Contacts	4 x #12 18 x #16



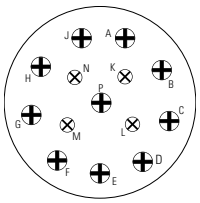
Arrangement	**28-12**
Service Rating	A
Number of Contacts	26 x #16



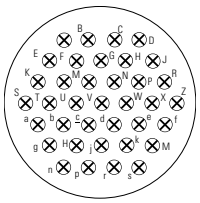
Arrangement	**28-15**
Service Rating	A
Number of Contacts	35 x #16



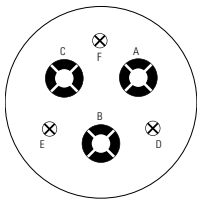
Arrangement	**28-16**
Service Rating	A
Number of Contacts	20 x #16



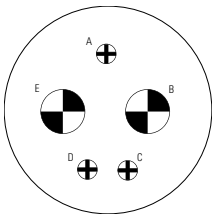
Arrangement	**28-20**
Service Rating	A
Number of Contacts	10 x #12 4 x #16



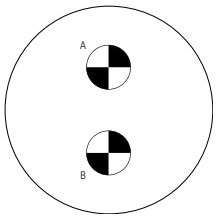
Arrangement	**28-21**
Service Rating	A
Number of Contacts	37 x #16



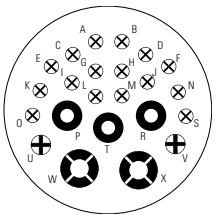
Arrangement	**28-22**
Service Rating	D
Number of Contacts	3 x #4 3 x #16



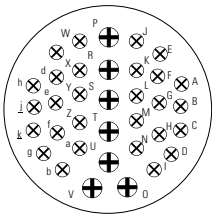
Arrangement	**32-1**
Service Rating	A=E; B,C,D,E=D
Number of Contacts	2 x #0 3 x #12



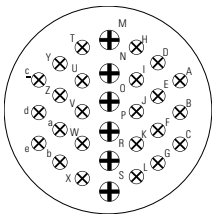
Arrangement	**32-5**
Service Rating	D
Number of Contacts	2 x #0



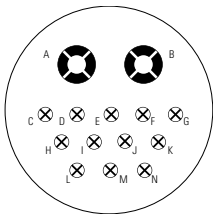
Arrangement	**32-6**
Service Rating	A
Number of Contacts	2 x #4; 3 x #8 2 x #12; 16 x #16



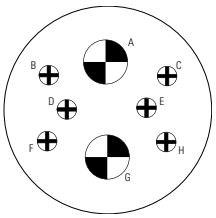
Arrangement	**32-7**
Service Rating	A,B,H,J=Inst.; Bal.=A
Number of Contacts	7 x #12 28 x #16



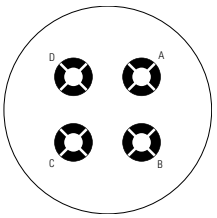
Arrangement	**32-8**
Service Rating	A
Number of Contacts	6x #12 24x #16



Arrangement	**32-9**
Service Rating	D
Number of Contacts	2 x #4 12 x #16



Arrangement	**32-15**
Service Rating	D
Number of Contacts	2 x #0 6 x #12



Arrangement	**32-17**
Service Rating	D
Number of Contacts	4 x #4

Contact Legend #0 #4 #8 #10 #12 #16

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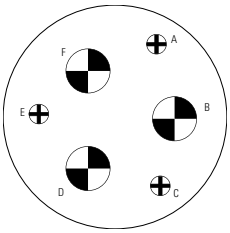
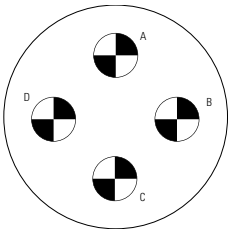
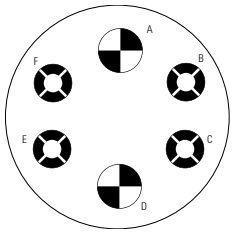
(Continued from previous page)



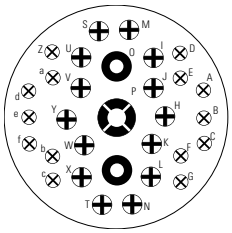
36-3
D
3 x #0
3 x #12



36-5
A
4 x #0

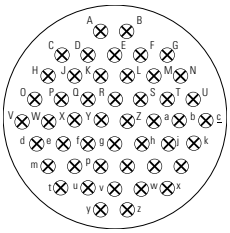


36-6
A
2 x #0
4 x #4

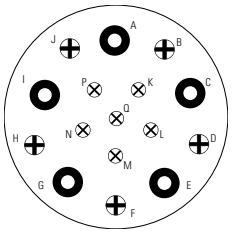


36-9
A
1 x #4; 2 x #8
14 x #12; 14 x #16

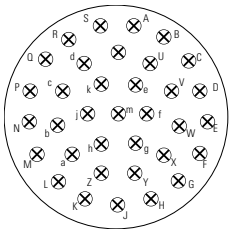
Arrangement
Service Rating
Number of Contacts



36-10
A
48 x #16



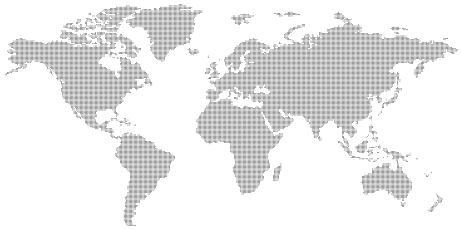
36-14
D
5 x #8; 5 x #12;
6 x #16



36-15
M=D; Bal.=A
35 x #16

Arrangement
Service Rating
Number of Contacts

MILNEC SHIPS CONNECTORS WORLDWIDE IN ONE WEEK



World Class Service, Worldwide

We know your project can't wait, so we provide tailor-made flexibility with off-the-shelf lead times. We employ the latest assembly and quality-control processes to build and test every connector we ship.

- Standard connector kits ship in just one week
- No order minimums, credit cards accepted
- Average ship time is 7 days
- Expedited builds available for critical requirements

RS

RS06 Cross-Reference & Compatibility

Compatible Brands	Equivalents	Mates
AS95234	AS95234/6, AS95234/9	AS95234/1, AS95234/2, AS95234/3, AS95234/4, AS95234/5, AS95234/7, AS95234/8
VG95234	VG95234 Plugs	VG95234 Receptacles
Amphenol	GTS06 GTC06 ACA3106-B 97B-3106 97B-4106	GTS00, GTS01, GTS02, GTS030, GTS070 GTC00, GTC01, GTC02 GTC030, GTC070 ACA3100-B, ACA3101-B, ACA3102-B, ACA3103-B 97B-3100, 97B-3101, 97B-3102, 97B-3107 97B-4100, 97B-4101, 97B-4102, 97B-4107
ITT Cannon	CA3106-B CB6	CA3100-B, CA3101-B, CA3102-B CB0, CB1, CB2
Veam	CIR06	CIR00, CIR02, CIR030, CIR070

RS06 W N 20-15 P N - E2 - 01

1 2 3 4 5 6 7 8

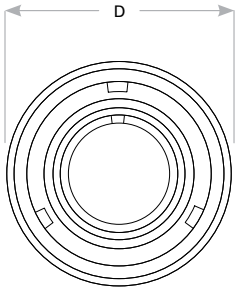
1. **BASIC PART NUMBER**
   - **RS06** Solder plug
   - **RS05** Solder plug, with RFI grounding fingers
   - **RC06** Crimp plug
   - **RC05** Crimp plug, with RFI grounding fingers
2. **SHELL MATERIAL & FINISH**
   - **W** Aluminum, olive drab cadmium
3. **INSERT MATERIAL**
   - **N** Standard resilient neoprene
   - **V** Viton, chemical resitant, high temperature
   - **F** Flame retardant, low smoke, halogen free
4. **SHELL SIZE & INSERT ARRANGEMENT**
   - See Insert Arrangement Selection table, p. V-12
5. **CONTACT STYLE**
   - **P** Pin
   - **S** Socket
6. **INSERT ROTATION**
   - **N** Normal or W, X, Y, Z, see p. V-12 for availability
7. **BACKSHELL** (OMIT FOR NONE)
   - **E2** Straight cable sealing backshell, p. V-30
   - **E4** 90° cable sealing backshell, p. V-31
   - **F2** Straight wire sealing backshell, p. V-32
   - **F4** 90° wire sealing backshell, p. V-33
8. **OPTIONAL ACCESSORY KIT** (OMIT FOR NONE)
   - **01** Protective cover

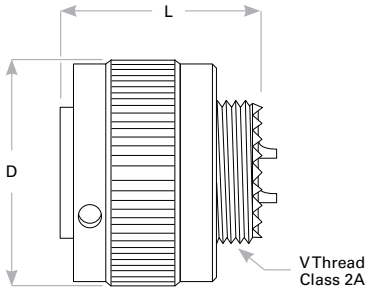
Note: See part builder (p. V-11) for additional kit options.

Plug Dimensions

Shell Size	D	L Max	V Thread Class 2A
10SL	.898 (22.8)	1.570 (39.9)	.6250-24UNEF
14S	1.150 (29.2)	1.570 (39.9)	.8750-20UNEF
16S	1.260 (32.0)	1.570 (39.9)	1.0000-20UNEF
16	1.260 (32.0)	1.850 (47.0)	1.0000-20UNEF
18	1.437 (36.5)	1.850 (47.0)	1.0625-18UNEF
20	1.571 (39.9)	1.850 (47.0)	1.1875-18UNEF
22	1.697 (43.1)	1.850 (47.0)	1.3125-18UNEF
24	1.835 (46.6)	1.850 (47.0)	1.4375-18UNEF
28	2.102 (53.4)	2.100 (53.3)	1.7500-18UNS
32	2.366 (60.1)	2.100 (53.3)	2.0000-18UNS
36	2.610 (66.3)	2.100 (53.3)	2.2500-18UN

Dimensions are in inches (mm).





Rev. 1926

CORROSION RESISTANT CONNECTORS FOR THE LONG JOURNEY AHEAD

Durability & Reliability You Can Trust

Milnec's high-performance connectors and backshells come standard in aerospace-grade aluminum, offering strength, durability, and light weight. For the harshest marine or industrial environments, we also provide these components in passivated stainless steel with a 1,000 hour salt spray rating for ultimate corrosion resistance.

MILNEC®
INTERCONNECT SYSTEMS

RS

Wall Mount Recept. (Front Mount)

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RS00 Cross-Reference & Compatibility

Compatible Brands	Equivalents	Mates
AS95234	AS95234/4	AS95234/6, AS95234/9
VG95234	VG95234 Receptacles	VG95234 Plugs
Amphenol	GTS00, GTC00 ACA3100-B 97B-3100, 97B-4100	GTS06, GTC06 ACA3106-B 97B-3106, 97B-4106
ITT Cannon	CA3100-B CB0	CA3106-B CB6
Veam	CIR00	CIR06

RS00 W N 20-15 S N - E2 - 03

1 2 3 4 5 6 7 8

1 BASIC PART NUMBER
- **RS00** Wall mount solder receptacle (front mount)
- **RC00** Wall mount crimp receptacle (front mount)

2 SHELL MATERIAL & FINISH
- **W** Aluminum, olive drab cadmium

3 INSERT MATERIAL
- **N** Standard resilient neoprene
- **V** Viton, chemical resitant, high temperature
- **F** Flame retardant, low smoke, halogen free

4 SHELL SIZE & INSERT ARRANGEMENT
- See Insert Arrangement Selection table, p. V-12

5 CONTACT STYLE
- **P** Pin
- **S** Socket

6 INSERT ROTATION
- **N** Normal or W, X, Y, Z, see p. V-12 for availability

7 BACKSHELL (OMIT FOR NONE)
- **E2** Straight cable sealing backshell, p. V-30
- **E4** 90° cable sealing backshell, p. V-31
- **F2** Straight wire sealing backshell, p. V-32
- **F4** 90° wire sealing backshell, p. V-33

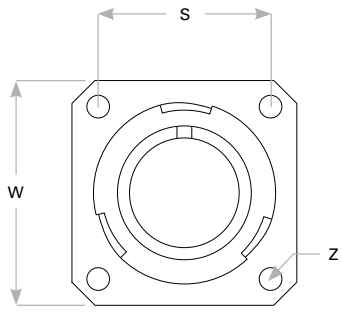
8 OPTIONAL ACCESSORY KIT (OMIT FOR NONE)
- **02** Protective cover + mounting gasket
- **03** 02 kit + mounting bracket + sealing screws

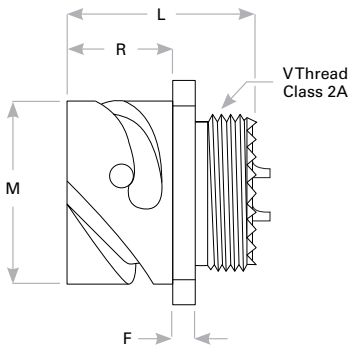
Note: See part builder (p. V-11) for additional kit options.

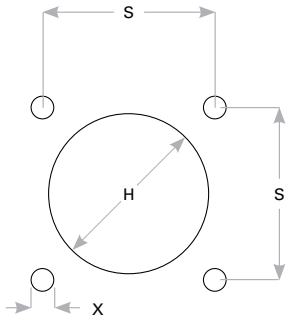
Receptacle Dimensions

Shell Size	W	Z Dia	L	R	M	F	V Thread Class 2A	S	X	H
10SL	1.000 (25.4)	.126 (3.2)	1.570 (39.9)	.559 (14.2)	.717 (18.2)	.110 (2.8)	.6250-24UNEF	.717 (18.2)	.134 (3.4)	.688 (17.5)
14S	1.181 (30.0)	.126 (3.2)	1.570 (39.9)	.559 (14.2)	.969 (24.6)	.126 (3.2)	.8750-20UNEF	.906 (23.0)	.134 (3.4)	.938 (23.8)
16S	1.280 (32.5)	.126 (3.2)	1.570 (39.9)	.559 (14.2)	1.079 (27.4)	.126 (3.2)	1.0000-20UNEF	.969 (24.6)	.134 (3.4)	1.050 (26.7)
16	1.280 (32.5)	.126 (3.2)	1.850 (47.0)	.748 (19.0)	1.079 (27.4)	.126 (3.2)	1.0000-20UNEF	.969 (24.6)	.134 (3.4)	1.050 (26.7)
18	1.378 (35.0)	.126 (3.2)	1.850 (47.0)	.748 (19.0)	1.213 (30.8)	.157 (4.0)	1.0625-18UNEF	1.063 (27.0)	.134 (3.4)	1.113 (28.3)
20	1.496 (38.0)	.126 (3.2)	1.850 (47.0)	.748 (19.0)	1.346 (34.2)	.157 (4.0)	1.1875-18UNEF	1.157 (29.4)	.134 (3.4)	1.252 (31.8)
22	1.614 (41.0)	.126 (3.2)	1.850 (47.0)	.748 (19.0)	1.472 (37.4)	.157 (4.0)	1.3125-18UNEF	1.252 (31.8)	.134 (3.4)	1.374 (34.9)
24	1.752 (44.5)	.146 (3.7)	1.850 (47.0)	.811 (20.6)	1.610 (40.9)	.157 (4.0)	1.4375-18UNEF	1.374 (34.9)	.154 (3.9)	1.492 (37.9)
28	2.000 (50.8)	.146 (3.7)	2.100 (53.3)	.811 (20.6)	1.839 (46.7)	.157 (4.0)	1.7500-18UNS	1.563 (39.7)	.154 (3.9)	1.800 (45.7)
32	2.244 (57.0)	.169 (4.3)	2.100 (53.3)	.874 (22.2)	2.102 (53.4)	.157 (4.0)	2.0000-18UNS	1.752 (44.5)	.177 (4.5)	2.060 (52.3)
36	2.500 (63.5)	.169 (4.3)	2.100 (53.3)	.874 (22.2)	2.346 (59.6)	.157 (4.0)	2.2500-18UN	1.937 (49.2)	.177 (4.5)	2.310 (58.7)

Dimensions are in inches (mm).







Panel Cutout

Rev. 1926

RS04 W N 20-15 S N - E2 - 03

1 2 3 4 5 6 7 8

1 BASIC PART NUMBER
- **RS04** Wall mount solder receptacle (rear mount)
- **RC04** Wall mount crimp receptacle (rear mount)

2 SHELL MATERIAL & FINISH
- **W** Aluminum, olive drab cadmium

3 INSERT MATERIAL
- **N** Standard resilient neoprene
- **V** Viton, chemical resitant, high temperature
- **F** Flame retardant, low smoke, halogen free

4 SHELL SIZE & INSERT ARRANGEMENT
See Insert Arrangement Selection table, p. V-12

5 CONTACT STYLE
- **P** Pin
- **S** Socket

6 INSERT ROTATION
- **N** Normal or W, X, Y, Z, see p. V-12 for availability

7 BACKSHELL (OMIT FOR NONE)
- **E2** Straight cable sealing backshell, p. V-30
- **E4** 90° cable sealing backshell, p. V-31
- **F2** Straight wire sealing backshell, p. V-32
- **F4** 90° wire sealing backshell, p. V-33

8 OPTIONAL ACCESSORY KIT (OMIT FOR NONE)
- **02** Protective cover + mounting gasket
- **03** 02 kit + mounting bracket + sealing screws

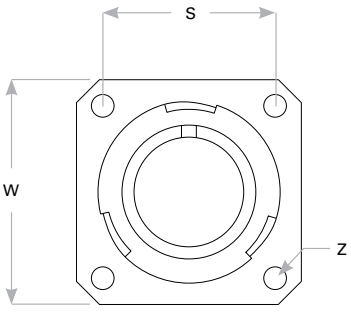
RS04 Cross-Reference & Compatibility

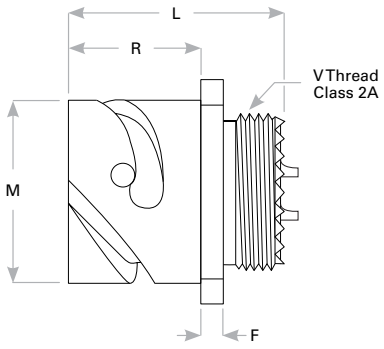
Compatible Brands	Equivalents	Mates
AS95234	AS95234/5	AS95234/6, AS95234/9
VG95234	VG95234 Receptacles	VG95234 Plugs
Amphenol	GTS030, GTC030, ACA3103-B, 97B-3103, 97B-4103	GTS06, GTC06, ACA3106-B, 97B-3106, 97B-4106
ITT Cannon	–	CA3106-B CB6
Veam	CIR03	CIR06

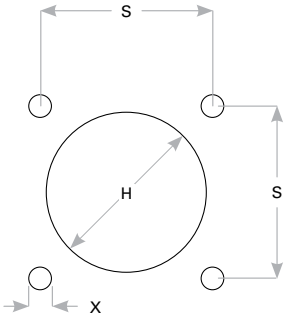
Receptacle Dimensions

Shell Size	W	Z Dia	L	R	M	F	V Thread Class 2A	S	X	H
10SL	1.000 (25.4)	.126 (3.2)	1.570 (39.9)	.717 (18.2)	.717 (18.2)	.110 (2.8)	.6250-24UNEF	.717 (18.2)	.134 (3.4)	.752 (19.1)
14S	1.181 (30.0)	.126 (3.2)	1.570 (39.9)	.717 (18.2)	.969 (24.6)	.126 (3.2)	.8750-20UNEF	.906 (23.0)	.134 (3.4)	1.000 (25.5)
16S	1.280 (32.5)	.126 (3.2)	1.570 (39.9)	.717 (18.2)	1.079 (27.4)	.126 (3.2)	1.0000-20UNEF	.969 (24.6)	.134 (3.4)	1.114 (28.3)
16	1.280 (32.5)	.126 (3.2)	1.850 (47.0)	.907 (23.0)	1.079 (27.4)	.126 (3.2)	1.0000-20UNEF	.969 (24.6)	.134 (3.4)	1.114 (28.3)
18	1.378 (35.0)	.126 (3.2)	1.850 (47.0)	.907 (23.0)	1.213 (30.8)	.157 (4.0)	1.0625-18UNEF	1.063 (27.0)	.134 (3.4)	1.248 (31.7)
20	1.496 (38.0)	.126 (3.2)	1.850 (47.0)	.907 (23.0)	1.346 (34.2)	.157 (4.0)	1.1875-18UNEF	1.157 (29.4)	.134 (3.4)	1.378 (35.0)
22	1.614 (41.0)	.126 (3.2)	1.850 (47.0)	.907 (23.0)	1.472 (37.4)	.157 (4.0)	1.3125-18UNEF	1.252 (31.8)	.134 (3.4)	1.508 (38.3)
24	1.752 (44.5)	.146 (3.7)	1.850 (47.0)	.907 (23.0)	1.610 (40.9)	.157 (4.0)	1.4375-18UNEF	1.374 (34.9)	.154 (3.9)	1.646 (41.8)
28	2.000 (50.8)	.146 (3.7)	2.100 (53.3)	.947 (24.1)	1.839 (46.7)	.157 (4.0)	1.7500-18UNS	1.563 (39.7)	.154 (3.9)	1.874 (47.6)
32	2.244 (57.0)	.169 (4.3)	2.100 (53.3)	.947 (24.1)	2.102 (53.4)	.157 (4.0)	2.0000-18UNS	1.752 (44.5)	.177 (4.5)	2.138 (54.3)
36	2.500 (63.5)	.169 (4.3)	2.100 (53.3)	.947 (24.1)	2.346 (59.6)	.157 (4.0)	2.2500-18UN	1.937 (49.2)	.177 (4.5)	2.382 (60.5)

Dimensions are in inches (mm).







Panel Cutout

Rev. 1926

Box Mount Recept. (Front Mount)

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RS02 W N 20-15 S N - 03

1 2 3 4 5 6 7

1. **BASIC PART NUMBER**
   - **RS02** Box mount solder receptacle (front mount)
   - **RC02** Box mount crimp receptacle (front mount)
2. **SHELL MATERIAL & FINISH**
   - **W** Aluminum, olive drab cadmium
3. **INSERT MATERIAL**
   - **N** Standard resilient neoprene
   - **V** Viton, chemical resitant, high temperature
   - **F** Flame retardant, low smoke, halogen free
4. **SHELL SIZE & INSERT ARRANGEMENT**
   - See Insert Arrangement Selection table, p. V-12
5. **CONTACT STYLE**
   - **P** Pin
   - **S** Socket
6. **INSERT ROTATION**
   - **N** NORMAL or W, X, Y, Z, see p. V-12 for availability
7. **OPTIONAL ACCESSORY KIT** (OMIT FOR NONE)
   - **02** Protective cover + mounting gasket
   - **03** 02 kit + mounting bracket + sealing screws

Note: See part builder (p. V-11) for additional kit options.

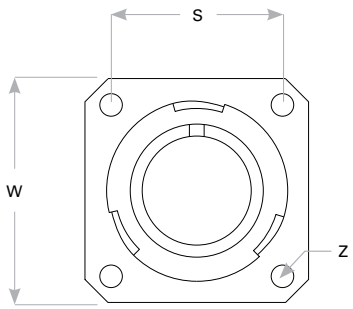
RS02 Cross-Reference & Compatibility

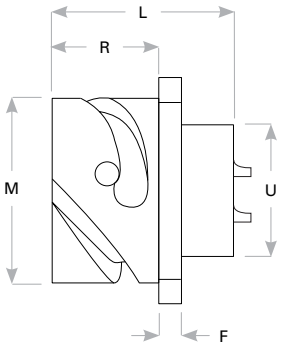
Compatible Brands	Equivalents	Mates
AS95234	AS95234/2	AS95234/6, AS95234/9
VG95234	VG95234 Receptacles	VG95234 Plugs
Amphenol	GTS02, GTC02 ACA3102-B 97B-3102, 97B-4102	GTS06, GTC06 ACA3106-B 97B-3106, 97B-4106
ITT Cannon	CA3102-B CB2	CA3106-B CB6
Veam	CIR02	CIR06

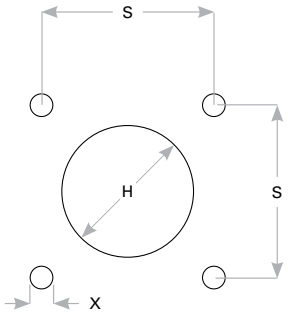
Receptacle Dimensions

Shell Size	W	Z	L	R	M	F	U	S	X	H
10SL	1.000 (25.4)	.126 (3.2)	1.087 (27.6)	.559 (14.2)	.717 (18.2)	.110 (2.8)	.638 (16.2)	.717 (18.2)	.134 (3.4)	.661 (16.8)
14S	1.181 (30.0)	.126 (3.2)	1.087 (27.6)	.559 (14.2)	.969 (24.6)	.126 (3.2)	.756 (19.2)	.906 (23.0)	.134 (3.4)	.776 (19.7)
16S	1.280 (32.5)	.126 (3.2)	1.087 (27.6)	.559 (14.2)	1.079 (27.4)	.126 (3.2)	.882 (22.4)	.969 (24.6)	.134 (3.4)	.902 (22.9)
16	1.280 (32.5)	.126 (3.2)	1.331 (33.8)	.748 (19.0)	1.079 (27.4)	.126 (3.2)	.882 (22.4)	.969 (24.6)	.134 (3.4)	.902 (22.9)
18	1.378 (35.0)	.126 (3.2)	1.331 (33.8)	.748 (19.0)	1.213 (30.8)	.157 (4.0)	1.008 (25.6)	1.063 (27.0)	.134 (3.4)	1.028 (26.1)
20	1.496 (38.0)	.126 (3.2)	1.331 (33.8)	.748 (19.0)	1.346 (34.2)	.157 (4.0)	1.142 (29.0)	1.157 (29.4)	.134 (3.4)	1.161 (29.5)
22	1.614 (41.0)	.126 (3.2)	1.331 (33.8)	.748 (19.0)	1.472 (37.4)	.157 (4.0)	1.268 (32.2)	1.252 (31.8)	.134 (3.4)	1.287 (32.7)
24	1.752 (44.5)	.146 (3.7)	1.406 (35.7)	.811 (20.6)	1.610 (40.9)	.157 (4.0)	1.390 (35.3)	1.374 (34.9)	.154 (3.9)	1.417 (36.0)
28	2.000 (50.8)	.146 (3.7)	1.406 (35.7)	.811 (20.6)	1.839 (46.7)	.157 (4.0)	1.630 (41.4)	1.563 (39.7)	.154 (3.9)	1.654 (42.0)
32	2.244 (57.0)	.169 (4.3)	1.469 (37.3)	.874 (22.2)	2.102 (53.4)	.157 (4.0)	1.882 (47.8)	1.752 (44.5)	.177 (4.5)	1.902 (48.3)
36	2.500 (63.5)	.169 (4.3)	1.469 (37.3)	.874 (22.2)	2.346 (59.6)	.157 (4.0)	2.130 (54.1)	1.937 (49.2)	.177 (4.5)	2.150 (54.6)

Dimensions are in inches (mm).







Panel Cutout

Rev. 1926

RS03 W N 20-15 S N - 03

1 2 3 4 5 6 7

1 BASIC PART NUMBER
- **RS03** Box mount solder receptacle (rear mount)
- **RC03** Box mount crimp receptacle (rear mount)

2 SHELL MATERIAL & FINISH
- **W** Aluminum, olive drab cadmium

3 INSERT MATERIAL
- **N** Standard resilient neoprene
- **V** Viton, chemical resitant, high temperature
- **F** Flame retardant, low smoke, halogen free

4 SHELL SIZE & INSERT ARRANGEMENT
See Insert Arrangement Selection table, p. V-12

5 CONTACT STYLE
- **P** Pin
- **S** Socket

6 INSERT ROTATION
- **N** NORMAL or W, X, Y, Z, see p. V-12 for availability

7 OPTIONAL ACCESSORY KIT (OMIT FOR NONE)
- **02** Protective cover + mounting gasket
- **03** 02 kit + mounting bracket + sealing screws

Note: See part builder (p. V-11) for additional kit options.

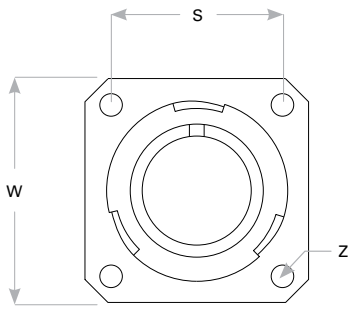
RS03 Cross-Reference & Compatibility

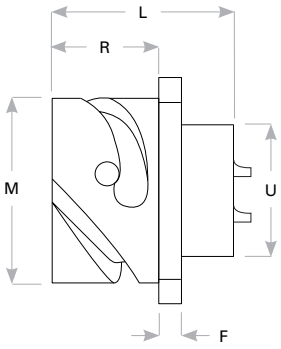
Compatible Brands	Equivalents	Mates
AS95234	AS95234/3	AS95234/6, AS95234/9
VG95234	VG95234 Receptacles	VG95234 Plugs
Amphenol	– – 97B-3103, 97B-4103	GTS06, GTC06 ACA3106-B 97B-3106, 97B-4106
ITT Cannon	– –	CA3106-B CB6
Veam	CIR03	CIR06

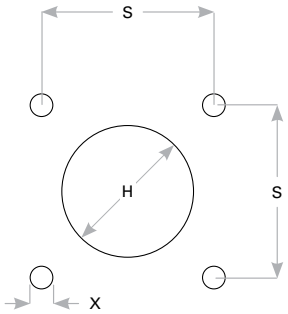
Receptacle Dimensions

Shell Size	W	Z	L	R	M	F	U	S	X	H
10SL	1.000 (25.4)	.126 (3.2)	1.087 (27.6)	.717 (18.2)	.717 (18.2)	.110 (2.8)	.638 (16.2)	.717 (18.2)	.134 (3.4)	.732 (18.6)
14S	1.181 (30.0)	.126 (3.2)	1.087 (27.6)	.717 (18.2)	.969 (24.6)	.126 (3.2)	.756 (19.2)	.906 (23.0)	.134 (3.4)	.984 (25.0)
16S	1.280 (32.5)	.126 (3.2)	1.087 (27.6)	.717 (18.2)	1.079 (27.4)	.126 (3.2)	.882 (22.4)	.969 (24.6)	.134 (3.4)	1.094 (27.8)
16	1.280 (32.5)	.126 (3.2)	1.331 (33.8)	.909 (23.1)	1.079 (27.4)	.126 (3.2)	.882 (22.4)	.969 (24.6)	.134 (3.4)	1.094 (27.8)
18	1.378 (35.0)	.126 (3.2)	1.331 (33.8)	.909 (23.1)	1.213 (30.8)	.157 (4.0)	1.008 (25.6)	1.063 (27.0)	.134 (3.4)	1.228 (31.2)
20	1.496 (38.0)	.126 (3.2)	1.331 (33.8)	.909 (23.1)	1.346 (34.2)	.157 (4.0)	1.142 (29.0)	1.157 (29.4)	.134 (3.4)	1.361 (34.6)
22	1.614 (41.0)	.126 (3.2)	1.331 (33.8)	.909 (23.1)	1.472 (37.4)	.157 (4.0)	1.268 (32.2)	1.252 (31.8)	.134 (3.4)	1.487 (37.8)
24	1.752 (44.5)	.146 (3.7)	1.409 (35.8)	.909 (23.1)	1.610 (40.9)	.157 (4.0)	1.390 (35.3)	1.374 (34.9)	.154 (3.9)	1.625 (41.3)
28	2.000 (50.8)	.146 (3.7)	1.409 (35.8)	.948 (24.1)	1.839 (46.7)	.157 (4.0)	1.630 (41.4)	1.563 (39.7)	.154 (3.9)	1.854 (47.1)
32	2.244 (57.0)	.169 (4.3)	1.469 (37.3)	.948 (24.1)	2.102 (53.4)	.157 (4.0)	1.882 (47.8)	1.752 (44.5)	.177 (4.5)	2.117 (53.8)
36	2.500 (63.5)	.169 (4.3)	1.469 (37.3)	.948 (24.1)	2.346 (59.6)	.157 (4.0)	2.130 (54.1)	1.937 (49.2)	.177 (4.5)	2.361 (60.0)

Dimensions are in inches (mm).







Panel Cutout

Rev. 1926

Jam Nut Recept. (Wall Mount)

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RS07 W N 20-15 S N - E2 - 02

1 2 3 4 5 6 7 8

1 BASIC PART NUMBER
- **RS07** Jam nut solder receptacle (wall mount)
- **RC07** Jam nut crimp receptacle (wall mount)

2 SHELL MATERIAL & FINISH
- **W** Aluminum, olive drab cadmium

3 INSERT MATERIAL
- **N** Standard resilient neoprene
- **V** Viton, chemical resitant, high temperature
- **F** Flame retardant, low smoke, halogen free

4 SHELL SIZE & INSERT ARRANGEMENT
- See Insert Arrangement Selection table, p. V-12

5 CONTACT STYLE
- **P** Pin
- **S** Socket

6 INSERT ROTATION
- **N** NORMAL or W, X, Y, Z, see p. V-12 for availability

7 BACKSHELL (OMIT FOR NONE)
- **E2** Straight cable sealing backshell, p. V-30
- **E4** 90° cable sealing backshell, p. V-31
- **F2** Straight wire sealing backshell, p. V-32
- **F4** 90° wire sealing backshell, p. V-33

8 OPTIONAL ACCESSORY KIT (OMIT FOR NONE)
- **02** Protective cover

Note: See part builder (p. V-11) for additional kit options.

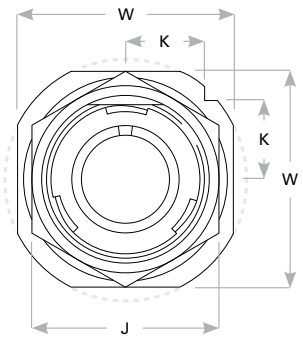
RS07 Cross-Reference & Compatibility

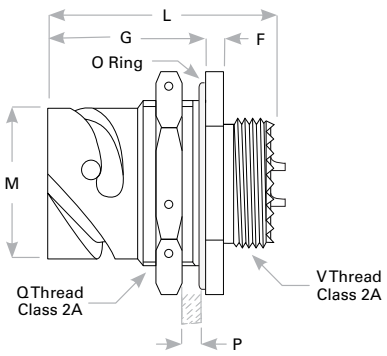
Compatible Brands	Equivalents	Mates
AS95234	AS95234/8	AS95234/6, AS95234/9
VG95234	VG95234 Receptacles	VG95234 Plugs
Amphenol	GTS070, GTC070 – 97B-3107, 97B-4107	GTS06, GTC06 ACA3106-B 97B-3106, 97B-4106
ITT Cannon	– –	CA3106-B CB6
Veam	CIR070	CIR06

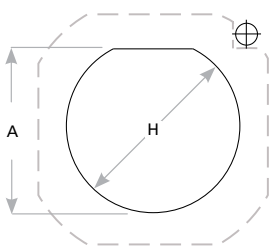
Receptacle Dimensions

Shell Size	W	K	J	V Thread Class 2A	L	M	Q Thread Class 2A	G	F	P Max Panel	A	H
10SL	1.252 (31.8)	.441 (11.2)	1.063 (27.0)	.6250-24UNEF	1.570 (39.9)	.717 (18.2)	.8750-20 UNEF	.965 (24.5)	.157 (4.0)	.205 (5.2)	.830 (21.1)	.875 (22.2)
14S	1.626 (41.3)	.575 (14.6)	1.299 (33.0)	.8750-20UNEF	1.570 (39.9)	.969 (24.6)	1.1250-18 UNEF	1.055 (26.8)	.189 (4.8)	.295 (7.5)	1.080 (27.4)	1.125 (28.6)
16S	1.748 (44.4)	.618 (15.7)	1.500 (38.1)	1.0000-20UNEF	1.570 (39.9)	1.079 (27.4)	1.2500-18 UNEF	1.055 (26.8)	.189 (4.8)	.295 (7.5)	1.210 (30.7)	1.250 (31.8)
16	1.748 (44.4)	.618 (15.7)	1.500 (38.1)	1.0000-20UNEF	1.850 (47.0)	1.079 (27.4)	1.2500-18 UNEF	1.264 (32.1)	.189 (4.8)	.295 (7.5)	1.320 (33.5)	1.375 (34.9)
18	1.875 (47.6)	.661 (16.8)	1.563 (39.7)	1.0625-18UNEF	1.850 (47.0)	1.213 (30.8)	1.3750-18 UNEF	1.327 (33.7)	.189 (4.8)	.354 (9.0)	1.450 (36.8)	1.500 (38.1)
20	2.000 (50.8)	.709 (18.0)	1.732 (44.0)	1.1875-18UNEF	1.850 (47.0)	1.346 (34.2)	1.5000-18 UNEF	1.327 (33.7)	.189 (4.8)	.354 (9.0)	1.570 (39.9)	1.625 (41.3)
22	2.134 (54.2)	.795 (20.2)	1.811 (46.0)	1.3125-18UNEF	1.850 (47.0)	1.472 (37.4)	1.6250-18 UNEF	1.327 (33.7)	.189 (4.8)	.358 (9.1)	1.700 (43.2)	1.750 (44.5)
24	2.252 (57.2)	.795 (20.2)	2.000 (50.8)	1.4375-18UNEF	1.850 (47.0)	1.610 (40.9)	1.7500-18 UNEF	1.327 (33.7)	.189 (4.8)	.358 (9.1)	1.950 (49.5)	2.000 (50.8)
28	2.500 (63.5)	.886 (22.5)	2.165 (54.9)	1.7500-18UNS	2.100 (53.3)	1.839 (46.7)	2.0000-18 UNS	1.386 (35.2)	.220 (5.6)	.335 (8.5)	2.200 (55.9)	2.250 (57.2)
32	2.748 (69.8)	.972 (24.7)	2.441 (62.0)	2.0000-18UNS	2.100 (53.3)	2.102 (53.4)	2.2500-16 UN	1.386 (35.2)	.220 (5.6)	.256 (6.5)	2.450 (62.2)	2.500 (63.5)
36	3.000 (76.2)	1.059 (26.9)	2.795 (71.0)	2.2500-18UN	2.100 (53.3)	2.346 (59.6)	2.5000-16 UN	1.386 (35.2)	.220 (5.6)	.327 (8.3)	2.700 (68.6)	2.750 (69.9)

Dimensions are in inches (mm).







Panel Cutout

Rev. 1926

RS09 W N 20-15 S N - 02

1 2 3 4 5 6 7

1 BASIC PART NUMBER
- **RS09** Jam nut solder receptacle (box mount)
- **RC09** Jam nut crimp receptacle (box mount)

2 SHELL MATERIAL & FINISH
- **W** Aluminum, olive drab cadmium

3 INSERT MATERIAL
- **N** Standard resilient neoprene
- **V** Viton, chemical resitant, high temperature
- **F** Flame retardant, low smoke, halogen free

4 SHELL SIZE & INSERT ARRANGEMENT
- See Insert Arrangement Selection table, p. V-12

5 CONTACT STYLE
- **P** Pin
- **S** Socket

6 INSERT ROTATION
- **N** NORMAL or W, X, Y, Z, see p. V-12 for availability

7 OPTIONAL ACCESSORY KIT (OMIT FOR NONE)
- **02** Protective cover

Note: See part builder (p. V-11) for additional kit options.

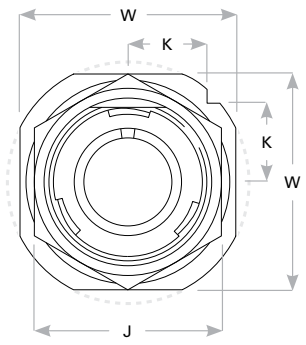
RS09 Cross-Reference & Compatibility

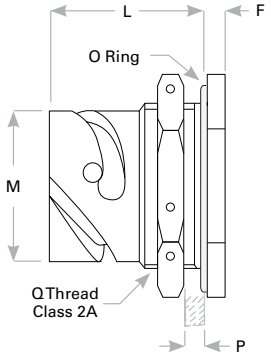
Compatible Brands	Equivalents	Mates
AS95234	AS95234/7	AS95234/6, AS95234/9
VG95234	VG95234 Receptacles	VG95234 Plugs
Amphenol	GTS07, GTC07 ACA3107A-B 97B-3107, 97B-4107	GTS06, GTC06 ACA3106-B 97B-3106, 97B-4106
ITT Cannon	CA3107-B CB7	CA3106-B CB6
Veam	CIR07	CIR06

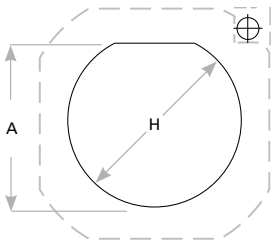
Receptacle Dimensions

Shell Size	W	K	J	L	M	Q Thread Class 2A	F	P Max Panel	A	H
10SL	1.252 (31.8)	.441 (11.2)	1.063 (27.0)	.965 (24.5)	.717 (18.2)	.8750-20 UNEF	.157 (4.0)	.205 (5.2)	.830 (21.1)	.875 (22.2)
14S	1.626 (41.3)	.575 (14.6)	1.299 (33.0)	1.055 (26.8)	.969 (24.6)	1.1250-18 UNEF	.189 (4.8)	.295 (7.5)	1.080 (27.4)	1.125 (28.6)
16S	1.748 (44.4)	.618 (15.7)	1.500 (38.1)	1.055 (26.8)	1.079 (27.4)	1.2500-18 UNEF	.189 (4.8)	.295 (7.5)	1.210 (30.7)	1.071 (27.2)
16	1.748 (44.4)	.618 (15.7)	1.500 (38.1)	1.264 (32.1)	1.079 (27.4)	1.2500-18 UNEF	.189 (4.8)	.295 (7.5)	1.320 (33.5)	1.375 (34.9)
18	1.875 (47.6)	.661 (16.8)	1.563 (39.7)	1.327 (33.7)	1.213 (30.8)	1.3750-18 UNEF	.189 (4.8)	.354 (9.0)	1.450 (36.8)	1.500 (38.1)
20	2.000 (50.8)	.709 (18.0)	1.732 (44.0)	1.327 (33.7)	1.346 (34.2)	1.5000-18 UNEF	.189 (4.8)	.354 (9.0)	1.570 (39.9)	1.625 (41.3)
22	2.134 (54.2)	.795 (20.2)	1.811 (46.0)	1.327 (33.7)	1.472 (37.4)	1.6250-18 UNEF	.189 (4.8)	.358 (9.1)	1.700 (43.2)	1.750 (44.5)
24	2.252 (57.2)	.795 (20.2)	2.000 (50.8)	1.386 (35.2)	1.610 (40.9)	1.7500-18 UNEF	.189 (4.8)	.358 (9.1)	1.950 (49.5)	2.000 (50.8)
28	2.500 (63.5)	.886 (22.5)	2.165 (54.9)	1.386 (35.2)	1.839 (46.7)	2.0000-18 UNS	.220 (5.6)	.335 (8.5)	2.200 (55.9)	2.250 (57.2)
32	2.748 (69.8)	.972 (24.7)	2.441 (62.0)	1.386 (35.2)	2.102 (53.4)	2.2500-16 UN	.220 (5.6)	.256 (6.5)	2.450 (62.2)	2.500 (63.5)
36	3.000 (76.2)	1.059 (26.9)	2.795 (71.0)	1.386 (35.2)	2.346 (59.6)	2.5000-16 UN	.220 (5.6)	.327 (8.3)	2.700 (68.6)	2.750 (69.9)

Dimensions are in inches (mm).







Panel Cutout

Rev. 1926

Thru-Bulkhead Receptacle

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RS22 W N 20-15 S N - 02

1 2 3 4 5 6 7

1. **BASIC PART NUMBER**
   - **RS22** Thru-bulkhead receptacle
2. **SHELL MATERIAL & FINISH**
   - **W** Aluminum, olive drab cadmium
3. **INSERT MATERIAL**
   - **N** Standard resilient neoprene
   - **V** Viton, chemical resitant, high temperature
   - **F** Flame retardant, low smoke, halogen free
4. **SHELL SIZE & INSERT ARRANGEMENT**
   - See Insert Arrangement Selection table, p. V-12
5. **CONTACT STYLE**
   - **P** Pins on flange side, sockets opposite
   - **S** Sockets on flange side, pins opposite
6. **INSERT ROTATION**
   - **N** NORMAL or W, X, Y, Z, see p. V-12 for availability
7. **OPTIONAL ACCESSORY KIT** (OMIT FOR NONE)
   - **02** Protective cover (2x) + mounting gasket
   - **03** 02 kit + mounting bracket + sealing screws

Note: See part builder (p. V-11) for additional kit options.

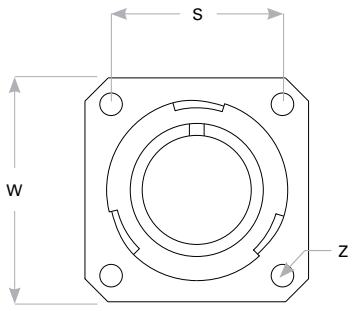
RS22 Cross-Reference & Compatibility

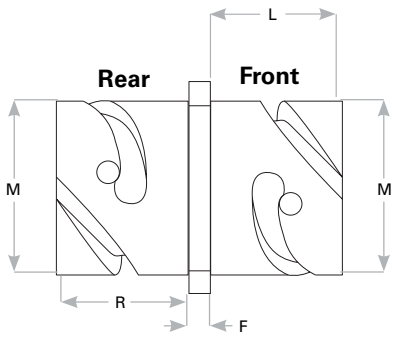
Compatible Brands	Mates
AS95234	AS95234/6, AS95234/9
VG95234	VG95234 Plugs
Amphenol	GTS06, GTC06 ACA3106-B 97B-3106, 97B-4106
ITT Cannon	CA3106-B CB6
Veam	CIR06

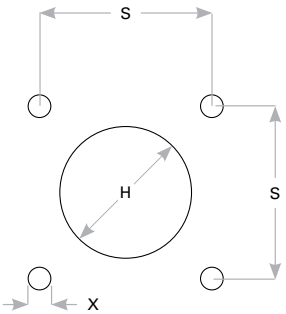
Receptacle Dimensions

Shell Size	W	Z	L Max	M	R	F	S	X	H
10SL	1.000 (25.4)	.126 (3.2)	.807 (20.5)	.717 (18.2)	.559 (14.2)	.110 (2.8)	.717 (18.2)	.134 (3.4)	.732 (18.6)
14S	1.181 (30.0)	.126 (3.2)	.791 (20.1)	.969 (24.6)	.559 (14.2)	.126 (3.2)	.906 (23.0)	.134 (3.4)	.984 (25.0)
16S	1.280 (32.5)	.126 (3.2)	.791 (20.1)	1.079 (27.4)	.559 (14.2)	.126 (3.2)	.969 (24.6)	.134 (3.4)	1.094 (27.8)
16	1.280 (32.5)	.126 (3.2)	1.150 (29.2)	1.079 (27.4)	.748 (19.0)	.126 (3.2)	.969 (24.6)	.134 (3.4)	1.094 (27.8)
18	1.378 (35.0)	.126 (3.2)	1.118 (28.4)	1.213 (30.8)	.748 (19.0)	.157 (4.0)	1.063 (27.0)	.134 (3.4)	1.228 (31.2)
20	1.496 (38.0)	.126 (3.2)	1.118 (28.4)	1.346 (34.2)	.748 (19.0)	.157 (4.0)	1.157 (29.4)	.134 (3.4)	1.361 (34.6)
22	1.614 (41.0)	.126 (3.2)	1.118 (28.4)	1.472 (37.4)	.768 (19.5)	.157 (4.0)	1.252 (31.8)	.134 (3.4)	1.487 (37.8)
24	1.752 (44.5)	.146 (3.7)	1.055 (26.8)	1.610 (40.9)	.811 (20.6)	.157 (4.0)	1.374 (34.9)	.154 (3.9)	1.625 (41.3)
28	2.000 (50.8)	.146 (3.7)	1.055 (26.8)	1.839 (46.7)	.811 (20.6)	.157 (4.0)	1.563 (39.7)	.154 (3.9)	1.854 (47.1)
32	2.244 (57.0)	.169 (4.3)	.992 (25.2)	2.102 (53.4)	.874 (22.2)	.157 (4.0)	1.752 (44.5)	.177 (4.5)	2.117 (53.8)
36	2.500 (63.5)	.169 (4.3)	.992 (25.2)	2.346 (59.6)	.874 (22.2)	.157 (4.0)	1.937 (49.2)	.177 (4.5)	2.361 (60.0)

Dimensions are in inches (mm).







Panel Cutout

Rev. 1926

RS01 W N 20-15 S N - E2 - 02

1 2 3 4 5 6 7 8

1 BASIC PART NUMBER
- **RS01** Cable mount solder receptacle
- **RC01** Cable mount crimp receptacle

2 MATERIAL & FINISH
- **W** Aluminum, olive drab cadmium

3 INSERT MATERIAL
- **N** Standard resilient neoprene
- **V** Viton, chemical resitant, high temperature
- **F** Flame retardant, low smoke, halogen free

4 SHELL SIZE & INSERT ARRANGEMENT
- See Insert Arrangement Selection table, p. V-12

5 CONTACT STYLE
- **P** Pin
- **S** Socket

6 INSERT ROTATION
- **N** NORMAL or W, X, Y, Z, see p. V-12 for availability

7 BACKSHELL (OMIT FOR NONE)
- **E2** Straight cable sealing backshell, p. V-30
- **E4** 90° cable sealing backshell, p. V-31
- **F2** Straight wire sealing backshell, p. V-32
- **F4** 90° wire sealing backshell, p. V-33

8 OPTIONAL ACCESSORY KIT (OMIT FOR NONE)
- **02** Protective cover

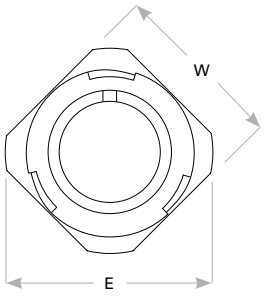
RS01 Cross-Reference & Compatibility

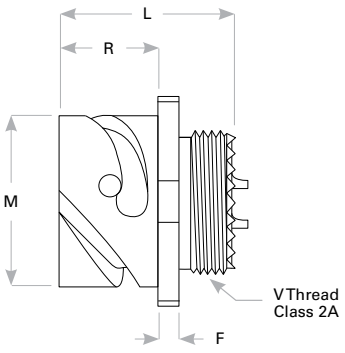
Compatible Brands	Equivalents	Mates
AS95234	AS95234/1	AS95234/6, AS95234/9
VG95234	VG95234 Receptacles	VG95234 Plugs
Amphenol	GTS01, GTC01 ACA3101-B 97B-3101, 97B-4101	GTS06, GTC06 ACA3106-B 97B-3106, 97B-4106
ITT Cannon	CA3101-B CB1	CA3106-B CB6
Veam	CIR01	CIR06

Receptacle Dimensions

Shell Size	W	E Max	L Max	R	M	F	V Thread Class 2A
10SL	.811 (20.6)	.992 (25.2)	1.570 (39.9)	.559 (14.2)	.717 (18.2)	.110 (2.8)	.6250-24UNEF
14S	1.000 (25.4)	1.173 (29.8)	1.570 (39.9)	.559 (14.2)	.969 (24.6)	.126 (3.2)	.8750-20UNEF
16S	1.126 (28.6)	1.272 (32.3)	1.570 (39.9)	.559 (14.2)	1.079 (27.4)	.126 (3.2)	1.0000-20UNEF
16	1.126 (28.6)	1.272 (32.3)	1.850 (47.0)	.748 (19.0)	1.079 (27.4)	.126 (3.2)	1.0000-20UNEF
18	1.248 (31.7)	1.370 (34.8)	1.850 (47.0)	.748 (19.0)	1.213 (30.8)	.157 (4.0)	1.0625-18UNEF
20	1.374 (34.9)	1.488 (37.8)	1.850 (47.0)	.748 (19.0)	1.346 (34.2)	.157 (4.0)	1.1875-18UNEF
22	1.500 (38.1)	1.618 (41.1)	1.850 (47.0)	.748 (19.0)	1.472 (37.4)	.157 (4.0)	1.3125-18UNEF
24	1.626 (41.3)	1.756 (44.6)	1.850 (47.0)	.811 (20.6)	1.610 (40.9)	.157 (4.0)	1.4375-18UNEF
28	1.874 (47.6)	2.004 (50.9)	2.100 (53.3)	.811 (20.6)	1.839 (46.7)	.157 (4.0)	1.7500-18UNS
32	2.126 (54.0)	2.248 (57.1)	2.100 (53.3)	.874 (22.2)	2.102 (53.4)	.157 (4.0)	2.0000-18UNS
36	2.386 (60.6)	2.504 (63.6)	2.100 (53.3)	.874 (22.2)	2.346 (59.6)	.157 (4.0)	2.2500-18UN

Dimensions are in inches (mm).





Rev. 1926

Cable Sealing Backshell

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RS06WN12-3PN - E2

1. **CONNECTOR PART NUMBER**
   Basic RS Series part number
2. **BACKSHELL PART NUMBER (ADD TO CONNECTOR)**
   E2 Environmental cable sealing backshell w/ compression gland & strain relief cable clamp

Note: See part builder (p. V-11) for additional kit options.

RSE2 Compatibility

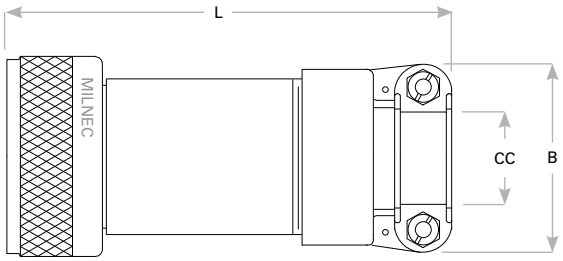
Compatible Brands	Compatible Connectors
AS95234	AS95234/1, AS95234/4, AS95234/5, AS95234/6, AS95234/7, AS95234/8, AS95234/9
VG95234	VG95234 Plugs, VG95234 Receptacles
Amphenol	GTS00, GTS01, GTS030, GTS06, GTS070, GTC00, GTC01, GTC030, GTC06, GTC070 ACA3100-B, ACA3101-B, ACA3103-B, ACA3106-B 97B-3100, 97B-3101, 97B-3106, 97B-3107, 97B-4100, 97B-4101, 97B-4106, 97B-4107
ITT Cannon	CA3100, CA3101, CA3106, CB0, CB1, CB6
Veam	CIR00, CIR030, CIR06, CIR070

RS

Backshell Dimensions

Shell Size	Approximate Max Length With Matching Connectors					B	L	CC Cable Entry Max
	RS06	RS00	RS04	RS07	RS01			
10SL	2.598 (66.0)	2.598 (66.0)	2.717 (69.0)	3.051 (77.5)	2.598 (66.0)	.937 (23.8)	2.318 (58.9)	.312 (7.9)
14S	2.795 (71.0)	2.795 (71.0)	2.913 (74.0)	3.346 (85.0)	2.795 (71.0)	1.062 (27.0)	2.318 (58.9)	.438 (11.1)
16S	2.795 (71.0)	2.795 (71.0)	2.913 (74.0)	3.358 (85.3)	2.795 (71.0)	1.188 (30.2)	2.318 (58.9)	.562 (14.3)
16	3.071 (78.0)	3.071 (78.0)	3.150 (80.0)	4.012 (101.9)	3.071 (78.0)	1.188 (30.2)	2.318 (58.9)	.562 (14.3)
18	3.228 (82.0)	3.228 (82.0)	3.189 (81.0)	3.701 (94.0)	3.228 (82.0)	1.312 (33.3)	2.458 (62.4)	.625 (15.9)
20	3.228 (82.0)	3.228 (82.0)	3.189 (81.0)	3.705 (94.1)	3.228 (82.0)	1.562 (39.2)	2.458 (62.4)	.750 (19.1)
22	3.268 (83.0)	3.268 (83.0)	3.228 (82.0)	3.819 (97.0)	3.268 (83.0)	1.562 (39.2)	2.458 (62.4)	.750 (19.1)
24	3.386 (86.0)	3.386 (86.0)	3.307 (84.0)	3.917 (99.5)	3.386 (86.0)	1.750 (44.5)	2.583 (65.6)	.938 (23.8)
28	3.622 (92.0)	3.622 (92.0)	3.622 (92.0)	4.256 (108.1)	3.622 (92.0)	1.750(44.5)	2.587 (65.7)	.938 (23.8)
32	4.016 (102.0)	4.016 (102.0)	4.015 (102.0)	4.587 (116.5)	4.016 (102.0)	2.250 (57.2)	2.794 (71.0)	1.250 (31.8)
36	4.213 (107.0)	4.213 (107.0)	4.213 (107.0)	4.783 (121.5)	4.213 (107.0)	2.375 (60.3)	3.044 (77.3)	1.375 (34.9)

Dimensions are in inches (mm).



Rev. 1926

RS06WN12-3PN - E4

1 2

1 **CONNECTOR PART NUMBER**
Basic RS Series part number

2 **BACKSHELL PART NUMBER (ADD TO CONNECTOR)**
E4 90° environmental cable sealing backshell w/ compression gland & strain relief cable clamp

Note: See part builder (p. V-11) for additional kit options.

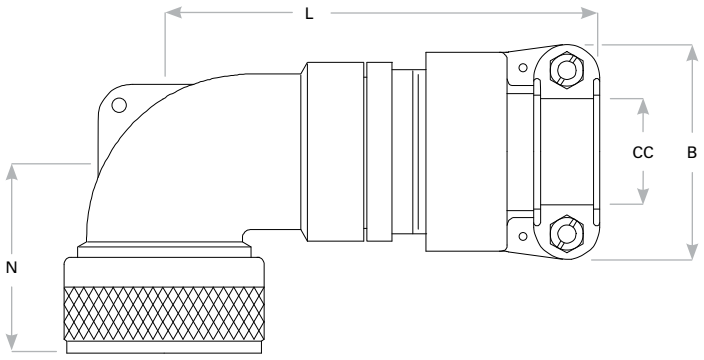
RSE4 Compatibility

Compatible Connectors	Compatible Brands
AS95234/1, AS95234/4, AS95234/5, AS95234/6, AS95234/7, AS95234/8, AS95234/9	**AS95234**
VG95234 Plugs, VG95234 Receptacles	**VG95234**
GTS00, GTS01, GTS030, GTS06, GTS070, GTC00, GTC01, GTC030, GTC06, GTC070 ACA3100-B, ACA3101-B, ACA3103-B, ACA3106-B 97B-3100, 97B-3101, 97B-3106, 97B-3107, 97B-4100, 97B-4101, 97B-4106, 97B-4107	**Amphenol**
CA3100, CA3101, CA3106, CB0, CB1, CB6	**ITT Cannon**
CIR00, CIR030, CIR06, CIR070	**Veam**

Backshell Dimensions

Shell Size	Approximate Overall Length With Matching Connectors					N	B	L	CC Cable Entry Max
	RS06	RS00	RS04	RS07	RS01				
10SL	2.110 (53.6)	2.224 (56.5)	2.224 (56.5)	2.563 (65.1)	2.224 (56.5)	.945 (24.0)	.937 (23.8)	2.402 (61.0)	.312 (7.9)
14S	2.213 (56.2)	2.327 (59.1)	2.327 (59.1)	2.772 (70.4)	2.327 (59.1)	.984 (25.0)	1.063 (27.0)	2.402 (61.0)	.438 (11.1)
16S	2.354 (59.8)	2.469 (62.7)	2.469 (62.7)	2.913 (74.0)	2.469 (62.7)	1.063 (27.0)	1.189 (30.2)	2.402 (61.0)	.562 (14.3)
16	2.724 (69.2)	2.713 (68.9)	2.713 (68.9)	3.291 (83.6)	2.713 (68.9)	1.063 (27.0)	1.189 (30.2)	2.402 (61.0)	.562 (14.3)
18	2.898 (73.6)	2.898 (73.6)	2.898 (73.6)	3.508 (89.1)	2.898 (73.6)	1.185 (30.1)	1.311 (33.3)	2.677 (68.0)	.625 (15.9)
20	3.138 (79.7)	3.138 (79.7)	3.138 (79.7)	3.736 (94.9)	3.138 (79.7)	1.299 (33.0)	1.563 (39.7)	2.677 (68.0)	.750 (19.1)
22	3.142 (79.8)	3.130 (79.5)	3.130 (79.5)	4.012 (101.9)	3.130 (79.5)	1.303 (33.1)	1.563 (39.7)	2.677 (68.0)	.750 (19.1)
24	3.500 (88.9)	3.563 (90.5)	3.563 (90.5)	4.035 (102.5)	3.563 (90.5)	1.492 (37.9)	1.752 (44.5)	2.992 (76.0)	.938 (23.8)
28	3.469 (88.1)	3.531 (89.7)	3.531 (89.7)	4.106 (104.3)	3.531 (89.7)	1.461 (37.1)	1.752 (44.5)	2.992 (76.0)	.938 (23.8)
32	4.016 (102.0)	4.016 (102.0)	4.016 (102.0)	4.591 (116.6)	4.016 (102.0)	1.697 (43.1)	2.252 (57.2)	3.425 (87.0)	1.250 (31.8)
36	4.189 (106.4)	4.189 (106.4)	4.189 (106.4)	4.764 (121.0)	4.189 (106.4)	1.807 (45.9)	2.374 (60.3)	3.858 (98.0)	1.375 (34.9)

Dimensions are in inches (mm).



Rev. 1926

Wire Sealing Backshell

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RS06WN12-3PN - F2

1. **CONNECTOR PART NUMBER**
   Basic RS Series part number
2. **BACKSHELL PART NUMBER (ADD TO CONNECTOR)**
   F2 Environmental wire sealing backshell w/ wire grommet & strain relief cable clamp

Note: See part builder (p. V-11) for additional kit options.

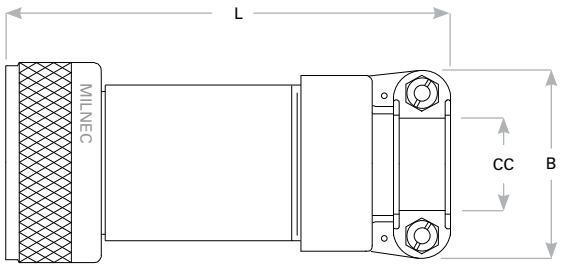
RSF2 Equivalents

Compatible Brands	Compatible Connectors
AS95234	AS95234/1, AS95234/4, AS95234/5, AS95234/6, AS95234/7, AS95234/8, AS95234/9
VG95234	VG95234 Plugs, VG95234 Receptacles
Amphenol	GTS00, GTS01, GTS030, GTS06, GTS070, GTC00, GTC01, GTC030, GTC06, GTC070 ACA3100-B, ACA3101-B, ACA3103-B, ACA3106-B 97B-3100, 97B-3101, 97B-3106, 97B-3107, 97B-4100, 97B-4101, 97B-4106, 97B-4107
ITT Cannon	CA3100, CA3101, CA3106, CB0, CB1, CB6
Veam	CIR00, CIR030, CIR06, CIR070

Backshell Dimensions

Shell Size	Approximate Overall Length With Matching Connectors					B	L	CC Cable Entry Max
	RS06	RS00	RS04	RS07	RS01			
10SL	2.244 (57.0)	2.323 (59.0)	2.402 (61.0)	2.728 (69.3)	2.323 (59.0)	.894 (22.7)	1.579 (40.1)	.312 (7.9)
14S	2.402 (61.0)	2.480 (63.0)	2.598 (66.0)	2.898 (73.6)	2.480 (63.0)	1.083 (27.5)	1.642 (41.7)	.438 (11.1)
16S	2.560 (64.0)	2.560 (65.0)	2.677 (68.0)	2.969 (75.4)	2.560 (65.0)	1.181 (30.0)	1.713 (43.5)	.562 (14.3)
16	2.835 (72.0)	2.795 (71.0)	2.874 (73.0)	3.346 (85.0)	2.795 (71.0)	1.181 (30.0)	1.713 (43.5)	.562 (14.3)
18	2.913 (74.0)	2.795 (71.0)	2.874 (73.0)	3.634 (92.3)	2.795 (71.0)	1.299 (33.0)	1.969 (50.0)	.625 (15.9)
20	2.913 (74.0)	2.795 (71.0)	2.874 (73.0)	3.457 (87.8)	2.795 (71.0)	1.476 (37.5)	1.791 (45.5)	.750 (19.1)
22	2.992 (76.0)	2.874 (73.0)	2.874 (73.0)	3.457 (87.8)	2.874 (73.0)	1.476 (37.5)	1.791 (45.5)	.750 (19.1)
24	3.071 (78.0)	2.992 (76.0)	2.913 (74.0)	3.535 (89.8)	2.992 (76.0)	1.705 (43.3)	1.870 (47.5)	.938 (23.8)
28	3.268 (83.0)	3.268 (83.0)	3.268 (83.0)	3.642 (92.5)	3.268 (83.0)	1.705 (43.3)	1.874 (47.6)	.938 (23.8)
32	3.465 (88.0)	3.465 (88.0)	3.504 (89.0)	3.598 (91.4)	3.465 (88.0)	2.035 (51.7)	1.831 (46.5)	1.250 (31.8)
36	3.504 (89.0)	3.543 (90.0)	3.543 (90.0)	3.594 (91.3)	3.543 (90.0)	2.283 (58.0)	1.827 (46.4)	1.375 (34.9)

Dimensions are in inches (mm).



RS06WN12-3PN - F4

1 2

1 **CONNECTOR PART NUMBER**
Basic RS Series part number

2 **BACKSHELL PART NUMBER (ADD TO CONNECTOR)**
F4 90° environmental wire sealing backshell w/ wire grommet & strain relief cable clamp

Note: See part builder (p. V-11) for additional kit options.

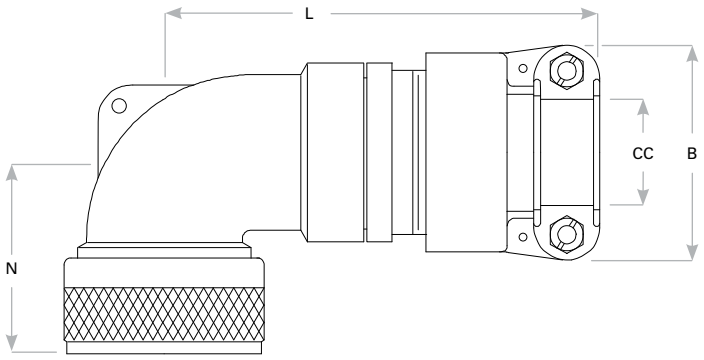
RSF4 Compatibility

Compatible Connectors	Compatible Brands
AS95234/1, AS95234/4, AS95234/5, AS95234/6, AS95234/7, AS95234/8, AS95234/9	**AS95234**
VG95234 Plugs, VG95234 Receptacles	**VG95234**
GTS00, GTS01, GTS030, GTS06, GTS070, GTC00, GTC01, GTC030, GTC06, GTC070 ACA3100-B, ACA3101-B, ACA3103-B, ACA3106-B 97B-3100, 97B-3101, 97B-3106, 97B-3107, 97B-4100, 97B-4101, 97B-4106, 97B-4107	**Amphenol**
CA3100, CA3101, CA3106, CB0, CB1, CB6	**ITT Cannon**
CIR00, CIR030, CIR06, CIR070	**Veam**

Backshell Dimensions

Shell Size	Approximate Overall Length With Matching Connectors					N	B	L	CC Cable Entry Max
	RS06	RS00	RS04	RS07	RS01				
10SL	2.091 (53.1)	2.205 (56.0)	2.205 (56.0)	2.543 (64.6)	2.205 (56.0)	.945 (24.0)	.894 (22.7)	1.654 (42.0)	.312 (7.9)
14S	2.220 (56.4)	2.339 (59.4)	2.339 (59.4)	2.783 (70.7)	2.339 (59.4)	.984 (25.0)	1.083 (27.5)	1.654 (42.0)	.438 (11.1)
16S	2.638 (67.0)	2.465 (62.6)	2.465 (62.6)	2.909 (73.9)	2.465 (62.6)	1.063 (27.0)	1.181 (30.0)	1.772 (45.0)	.562 (14.3)
16	2.709 (68.8)	2.709 (68.8)	2.709 (68.8)	3.287 (83.5)	2.709 (68.8)	1.063 (27.0)	1.181 (30.0)	1.772 (45.0)	.562 (14.3)
18	2.890 (73.4)	2.890 (73.4)	2.890 (73.4)	3.500 (88.9)	2.890 (73.4)	1.224 (30.1)	1.299 (33.0)	2.087 (53.0)	.625 (15.9)
20	3.094 (78.6)	3.094 (78.6)	3.094 (78.6)	3.705 (94.1)	3.094 (78.6)	1.299 (33.0)	1.476 (37.5)	2.087 (53.0)	.750 (19.1)
22	3.213 (81.6)	3.098 (78.7)	3.098 (78.7)	3.823 (97.1)	3.098 (78.7)	1.303 (33.1)	1.476 (37.5)	2.087 (53.0)	.750 (19.1)
24	3.476 (88.3)	3.539 (89.9)	3.539 (89.9)	4.012 (101.9)	3.539 (89.9)	1.492 (37.9)	1.705 (43.3)	2.283 (58.0)	.938 (23.8)
28	3.610 (91.7)	3.673 (93.3)	3.673 (93.3)	4.248 (107.9)	3.673 (93.3)	1.461 (37.1)	1.705 (43.3)	2.283 (58.0)	.938 (23.8)
32	4.031 (102.4)	4.031 (102.4)	4.031 (102.4)	4.606 (117.0)	4.031 (102.4)	1.697 (43.1)	2.035 (51.7)	2.598 (66.0)	1.250 (31.8)
36	4.280 (108.7)	4.280 (108.7)	4.280 (108.7)	4.854 (123.3)	4.280 (108.7)	1.807 (45.9)	2.283 (58.0)	2.717 (69.0)	1.375 (34.9)

Dimensions are in inches (mm).



Rev. 1926

Cable Bushing

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RSRB - 16

1 2

1 **BASIC PART NUMBER**
RSRB Cable bushing

2 **SHELL SIZE**
See Bushing Shell Size Selector table below

Note: Individual bushings can be ordered for wire bundles too small to seal properly within a single sleeve. Additional bushings should be ordered one size smaller or bigger to nest inside one another.

RSRB Compatibility

Compatible Brands	Connectors
AS95234	AS95234/1, AS95234/4, AS95234/5, AS95234/6, AS95234/8, AS95234/9
VG95234	VG95234 Plugs, VG95234 Receptacles
Amphenol	GTS00, GTS01, GTS030, GTS06, GTS070 GTC00, GTC01, GTC030, GTC06, GTC070 ACA3100-B, ACA3101-B, ACA3103-B, ACA3106-B 97B-3100, 97B-3101, 97B-3106, 97B-3107 97B-4100, 97B-4101, 97B-4106, 97B-4107
ITT Cannon	CA3100, CA3101, CA3106 CB0, CB1, CB2, CB6
Veam	CIR00, CIR030, CIR06, CIR070

Bushing Shell Size Selector

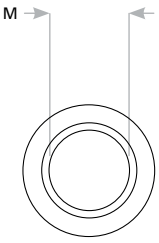
Shell Size	Bushing Included
10	RSRB34-4
12	RSRB34-4
14	RSRB34-6
16	RSRB34-8
18	RSRB34-10
20	RSRB34-12
22	RSRB34-12
24	RSRB34-12, RSRB34-16
28	RSRB34-12, RSRB34-16
32	RSRB34-16, RSRB34-20
36	RSRB34-20, RSRB34-24

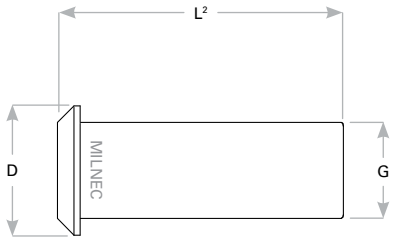
Two bushings, designed to nest inside one another, are supplied with shell sizes 24 and larger.

Bushing Dimensions

Bushing Part Numbers	M	L²	D	G
RSRB34-3	.130 (3.3)	2.875 (73.0)	.374 (9.5)	.210 (5.3)
RSRB34-4	.220 (5.6)	2.750 (69.9)	.500 (12.7)	.302 (7.7)
RSRB34-6	.312 (7.9)	2.625 (66.7)	.614 (15.6)	.427 (10.9)
RSRB34-8	.437 (11.1)	2.500 (63.5)	.739 (18.8)	.552 (14.0)
RSRB34-10	.562 (14.3)	2.375 (60.3)	.889 (22.6)	.615 (15.6)
RSRB34-12	.625 (15.9)	2.250 (57.2)	1.084 (27.5)	.740 (18.8)
RSRB34-16	.750 (19.1)	2.125 (54.0)	1.309 (33.3)	.927 (23.6)
RSRB34-20	.937 (23.8)	2.000 (50.8)	1.592 (40.4)	1.240 (31.5)
RSRB34-24	1.250 (31.8)	1.875 (47.6)	1.842 (46.8)	1.365 (34.7)

Dimensions are in inches (mm).





Rev. 1926

RS06WN12-3PN - L2

1 2

1 **CONNECTOR PART NUMBER**
Basic RS Series part number

2 **BACKSHELL PART NUMBER (ADD TO CONNECTOR)**
L2 Long cable sealing environmental backshell

Note: See part builder (p. V-11) for additional kit options.

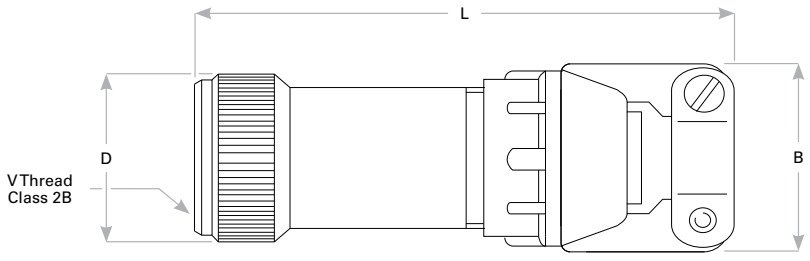
RSL2 Compatibility

Compatible Connectors	Compatible Brands
AS95234/1, AS95234/4, AS95234/5, AS95234/6, AS95234/7, AS95234/8, AS95234/9	**AS95234**
VG95234 Plugs, VG95234 Receptacles	**VG95234**
GTS00, GTS01, GTS030, GTS06, GTS070, GTC00, GTC01, GTC030, GTC06, GTC070 ACA3100-B, ACA3101-B, ACA3103-B, ACA3106-B 97B-3100, 97B-3101, 97B-3106, 97B-3107, 97B-4100, 97B-4101, 97B-4106, 97B-4107	**Amphenol**
CA3100, CA3101, CA3106, CB0, CB1, CB6	**ITT Cannon**
CIR00, CIR030, CIR06, CIR070	**Veam**

Backshell Dimensions

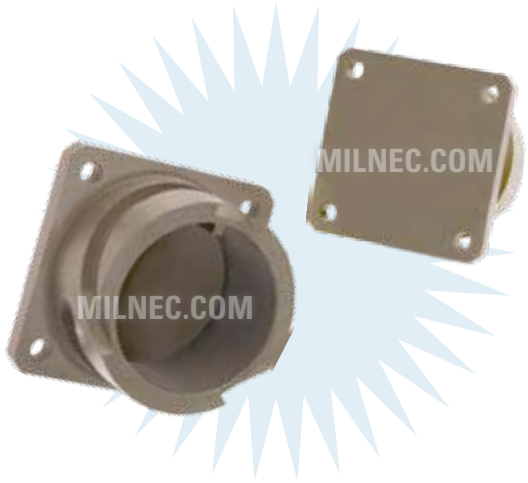
Shell Size	V Thread Class 2B	D	L	B Max
10SL	.625-24UNEF	.787 (20.0)	2.764 (70.2)	.842 (21.4)
14S	.750-20UNEF	.906 (23.0)	2.819 (71.6)	.995 (25.3)
16S	.875-20UNEF	.984 (25.0)	2.890 (73.4)	1.120 (28.5)
16	1.000-20UNEF	.984 (25.0)	3.047 (77.4)	1.120 (28.5)
18	1.125-18UNEF	1.161 (29.5)	3.126 (79.4)	1.216 (30.9)
20	1.250-18UNEF	1.260 (32.0)	3.134 (79.6)	1.403 (35.6)
22	1.375-18UNEF	1.378 (35.0)	3.134 (79.6)	1.403 (35.6)
24	1.500-18UNS	1.516 (38.5)	3.220 (81.8)	1.683 (42.8)
28	1.750-18UNS	1.772 (45.0)	3.417 (86.8)	1.683 (42.8)
32	2.000-18UNS	2.094 (53.2)	3.496 (88.8)	2.050 (52.1)
36	2.250-16UN	2.260 (57.4)	3.559 (90.4)	2.245 (57.0)

Dimensions are in inches (mm).



Stowage Receptacle

RS Series • MIL-DTL-5015 Series Reverse Bayonet



RSCD - 16S W - 03

1 2 3 4

1. **BASIC PART NUMBER**
   - **RSCD** Stowage receptacle
2. **SHELL SIZE**
   - See Stowage Receptacle Dimensions table below
3. **MATERIAL & FINISH**
   - **W** Aluminum, olive drab cadmium
4. **OPTIONAL ACCESSORY KIT** (OMIT FOR NONE)
   - **02** Protective cover + mounting gasket
   - **03** 02 kit + mounting bracket + sealing screws

Note: See part builder (p. V-11) for additional kit options.

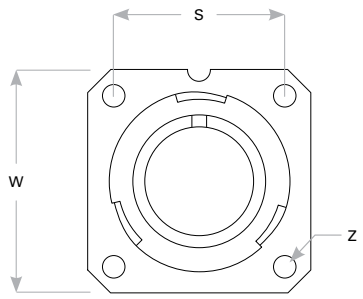
RSCD Compatibility

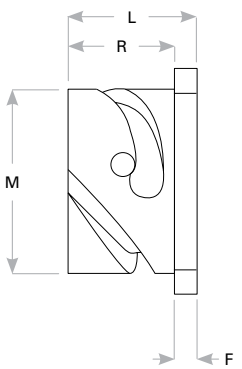
Compatible Brands	Plugs
AS95234	AS95234/6, AS95234/9
VG95234	VG95234 Plugs
Amphenol	GTS06, GTC06, ACA3106 • B 97B-4106, 97B-4108
ITT Cannon	CB6, CA3106 • B
Veam	CIR06

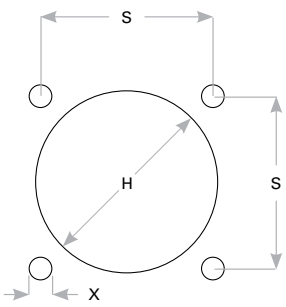
Stowage Receptacle Dimensions

Shell Size	W	Z	L	R	M	F	S	X	H
10SL	1.000 (25.4)	.126 (3.2)	.669 (17.0)	.559 (14.2)	.717 (18.2)	.110 (2.8)	.717 (18.2)	.134 (3.4)	.732 (18.6)
14S	1.181 (30.0)	.126 (3.2)	.685 (17.4)	.559 (14.2)	.969 (24.6)	.126 (3.2)	.906 (23.0)	.134 (3.4)	.984 (25.0)
16S	1.280 (32.5)	.126 (3.2)	.685 (17.4)	.559 (14.2)	1.079 (27.4)	.126 (3.2)	.969 (24.6)	.134 (3.4)	1.094 (27.8)
16	1.280 (32.5)	.126 (3.2)	.874 (22.2)	.748 (19.0)	1.079 (27.4)	.126 (3.2)	.969 (24.6)	.134 (3.4)	1.094 (27.8)
18	1.378 (35.0)	.126 (3.2)	.905 (23.0)	.748 (19.0)	1.213 (30.8)	.157 (4.0)	1.063 (27.0)	.134 (3.4)	1.228 (31.2)
20	1.496 (38.0)	.126 (3.2)	.905 (23.0)	.748 (19.0)	1.346 (34.2)	.157 (4.0)	1.157 (29.4)	.134 (3.4)	1.361 (34.6)
22	1.614 (41.0)	.126 (3.2)	.905 (23.0)	.748 (19.0)	1.472 (37.4)	.157 (4.0)	1.252 (31.8)	.134 (3.4)	1.487 (37.8)
24	1.752 (44.5)	.146 (3.7)	.968 (24.6)	.811 (20.6)	1.610 (40.9)	.157 (4.0)	1.374 (34.9)	.154 (3.9)	1.625 (41.3)
28	2.000 (50.8)	.146 (3.7)	.968 (24.6)	.811 (20.6)	1.839 (46.7)	.157 (4.0)	1.563 (39.7)	.154 (3.9)	1.854 (47.1)
32	2.244 (57.0)	.169 (4.3)	1.031 (26.2)	.874 (22.2)	2.102 (53.4)	.157 (4.0)	1.752 (44.5)	.177 (4.5)	2.117 (53.8)
36	2.500 (63.5)	.169 (4.3)	1.031 (26.2)	.874 (22.2)	2.346 (56.6)	.157 (4.0)	1.937 (49.2)	.177 (4.5)	2.361 (60.0)

Dimensions are in inches (mm).







Panel Cutout

RSCP - W 16

1 2 3

1. **BASIC PART NUMBER**
   - **RSCP** Plug Cover
   - **RSCR** Receptacle Cover
2. **MATERIAL & FINISH**
   - **W** Aluminum, Olive Drab Cadmium
3. **SHELL SIZE**
   - See Protective Cover Dimensions table below

Note: See part builder (p. V-11) for additional kit options.

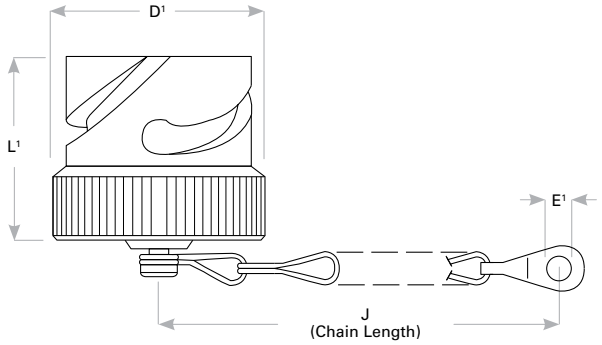
RSCP Cross-Reference & Compatibility

Compatible Brands	Plugs	Receptacles
AS95234	AS95234/6, AS95234/9	AS95234/1, AS95234/2, AS95234/3, AS95234/4, AS95234/5, AS95234/6, AS95234/7, AS95234/8, AS95234/9
VG95234	VG95234 Plugs	VG95234 Receptacles
Amphenol	GTS06, GTC06, ACA3106 • B	GTS Recept., GTC Recept.,
	97B-4106, 97B-4108	ACA Recept., 97B Recept.
ITT Cannon	CB6, CA3106 • B	CB Recept., CA • B Recept.
Veam	CIR06	CIR Recept.

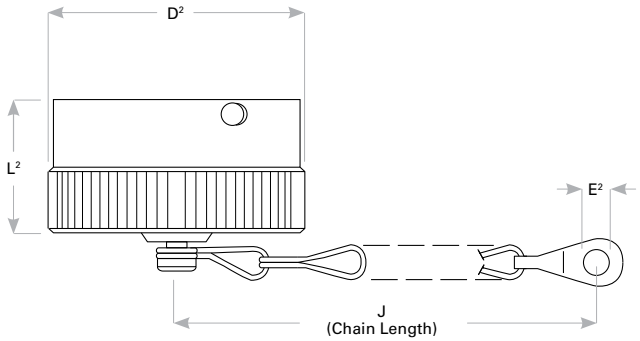
Protective Cover Dimensions

Shell Size	L^1 Max	D^1 Max	E^1	J Chain Length	L^2 Max	D^2 Max	E^2
10SL	1.142 (29.0)	.827 (21.0)	.173 (4.4)	4.500 (114.3)	.787 (20.0)	.925 (23.5)	.173 (4.4)
14S	1.142 (29.0)	1.083 (27.5)	.173 (4.4)	5.000 (127.0)	.787 (20.0)	1.201 (30.5)	.173 (4.4)
16S	1.142 (29.0)	1.181 (30.0)	.173 (4.4)	5.000 (127.0)	.787 (20.0)	1.299 (33.0)	.173 (4.4)
16	1.457 (37.0)	1.181 (30.0)	.173 (4.4)	5.000 (127.0)	.984 (25.0)	1.299 (33.0)	.173 (4.4)
18	1.457 (37.0)	1.319 (33.5)	.173 (4.4)	5.500 (139.7)	.984 (25.0)	1.476 (37.5)	.173 (4.4)
20	1.457 (37.0)	1.457 (37.0)	.189 (4.8)	5.500 (139.7)	.984 (25.0)	1.614 (41.0)	.173 (4.4)
22	1.457 (37.0)	1.575 (40.0)	.189 (4.8)	5.500 (139.7)	.984 (25.0)	1.732 (44.0)	.173 (4.4)
24	1.457 (37.0)	1.713 (43.5)	.189 (4.8)	8.250 (209.6)	.984 (25.0)	1.870 (47.5)	.173 (4.4)
28	1.457 (37.0)	1.949 (49.9)	.189 (4.8)	8.250 (209.6)	.984 (25.0)	2.146 (54.5)	.220 (5.6)
32	1.457 (37.0)	2.205 (56.0)	.220 (5.6)	8.250 (209.6)	.984 (25.0)	2.402 (61.0)	.220 (5.6)
36	1.457 (37.0)	2.461 (62.5)	.220 (5.6)	8.250 (209.6)	.984 (25.0)	2.657 (67.5)	.220 (5.6)

Dimensions are in inches (mm).



Plug Cover



Receptacle Cover

Rev. 1926

Mounting Bracket

RS Series • MIL-DTL-5015 Series Reverse Bayonet

RFI Gasket's Conductive Weave

RSGE Compatibility

Compatible Brands	Receptacles
AS95234	AS95234/2, AS95234/3, AS95234/4, AS95234/5, AS95234/6, AS95234/9
VG95234	VG95234 Receptacles
Amphenol	GTS00, GTS02, GTS030, GTC00, GTC02 GTC030, ACA3100-B, ACA3102-B, ACA3103-B, 97B-3100, 97B-3102, 97B-4100, 97B-4102
ITT Cannon	CA3100-B, CA3102-B, CB0, CB2
Veam	CIR00, CIR02, CIR030

RSGE - 14

1 2

1 **BASIC PART NUMBER**

RSGE Neoprene environmental (weather resistant)
Temp. range -40˚F to +230˚F (-40˚C to +110˚C)

RSGS Conductive EMI-RFI neoprene, Ni-Cu alloy mesh
Temp. range -40˚F to +230˚F (-40˚C to +110˚C)

RSGL Fluorosilicone (jet fuel & oil resistant)
Temp. range -70˚F to +392˚F (-56˚C to +200˚C)
Per MIL-DTL-25988, Class 1, Grade 6

RSGD Conductive EMI-RFI fluorosilicone, Al-Ag filled
Temp. range -70˚F to +392˚F (-56˚C to +200˚C)
Shielding effectiveness at 90 dB @ 10 GHz
Per MIL-DTL-83528, Type D

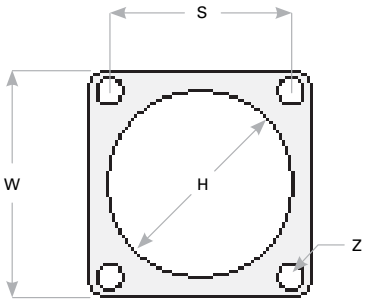
2 **SHELL SIZE**

See Gasket Dimensions table below

Note: See part builder (p. V-11) for additional kit options.

Gasket Dimensions

Shell Size	W	S	Z Dia	H Dia	F
10	1.000 (25.4)	.719 (18.3)	.172 (4.4)	.625 (15.9)	.031 (.8)
12	1.094 (27.8)	.813 (20.7)	.172 (4.4)	.750 (19.1)	.031 (.8)
14	1.188 (30.2)	.906 (23.0)	.172 (4.4)	.875 (22.2)	.031 (.8)
16	1.281 (32.5)	.969 (24.6)	.172 (4.4)	1.000 (25.4)	.031 (.8)
18	1.375 (34.9)	1.063 (27.0)	.203 (5.2)	1.125 (28.6)	.031 (.8)
20	1.500 (38.1)	1.156 (29.4)	.203 (5.2)	1.250 (31.8)	.031 (.8)
22	1.625 (41.3)	1.250 (31.8)	.203 (5.2)	1.375 (34.9)	.031 (.8)
24	1.750 (44.5)	1.375 (34.9)	.203 (5.2)	1.500 (38.1)	.031 (.8)
28	2.000 (50.8)	1.563 (39.7)	.203 (5.2)	1.750 (44.5)	.031 (.8)
32	2.250 (57.2)	1.750 (44.5)	.219 (5.6)	2.000 (50.8)	.031 (.8)
36	2.500 (63.5)	1.938 (49.2)	.219 (5.6)	2.188 (55.6)	.031 (.8)



RS

Rev. 1926

RSMB - 14 - A

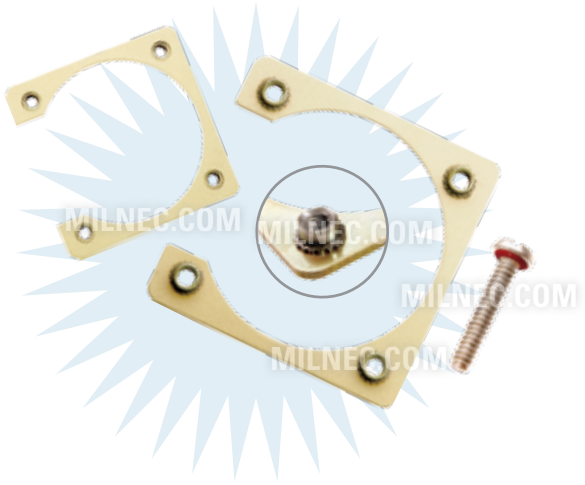
1 2 3

1 **BASIC PART NUMBER**
RSMB Mounting bracket, aluminum alloy with SST locking nuts

2 **SHELL SIZE**
See Bracket Dimensions table below

3 **OPTIONAL FASTENER KIT** (OMIT FOR NONE)
A Self-sealing SST fillister head screws (4x)

Note: See part builder (p. V-11) for additional kit options.



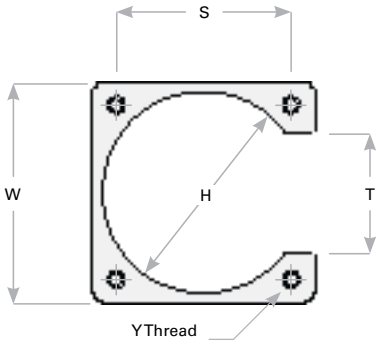
RSMB Compatibility

Compatible Brands	Receptacles
AS95234	AS95234/2, AS95234/3, AS95234/4, AS95234/5, AS95234/6, AS95234/9
VG95234	VG95234 Receptacles
Amphenol	GTS00, GTS02, GTS030, GTC00, GTC02 GTC030, ACA3100-B, ACA3102-B, ACA3103-B, 97B-3100, 97B-3102, 97B-4100, 97B-4102
ITT Cannon	CA3100-B, CA3102-B, CB0, CB2
Veam	CIR00, CIR02, CIR030

Bracket Dimensions

Shell Size	Screw Size	Y Thread UNJC-3B	W	S	T	H	N	F
10	4	4-40	1.019 (25.9)	.719 (18.3)	.433 (11.0)	.720 (18.3)	.136 (3.5)	.040 (1.0)
12	4	4-40	1.104 (28.0)	.812 (20.6)	.530 (13.5)	.855 (21.7)	.136 (3.5)	.040 (1.0)
14	4	4-40	1.198 (30.4)	.906 (23.0)	.624 (15.8)	.984 (25.0)	.136 (3.5)	.040 (1.0)
16	4	4-40	1.280 (32.5)	.969 (24.6)	.687 (17.4)	1.094 (27.8)	.136 (3.5)	.040 (1.0)
18	4	4-40	1.406 (35.7)	1.062 (27.0)	.780 (19.8)	1.220 (31.0)	.136 (3.5)	.040 (1.0)
20	4	4-40	1.535 (39.0)	1.156 (29.4)	.874 (22.2)	1.345 (34.2)	.136 (3.5)	.040 (1.0)
22	4	4-40	1.665 (42.3)	1.250 (31.8)	.968 (24.6)	1.478 (37.5)	.136 (3.5)	.040 (1.0)
24	6	6-32	1.738 (44.1)	1.375 (34.9)	.907 (23.0)	1.483 (37.7)	.153 (3.9)	.040 (1.0)
28	6	6-32	2.000 (50.8)	1.562 (39.7)	1.125 (28.6)	1.820 (46.2)	.153 (3.9)	.040 (1.0)
32	6	6-32	2.312 (58.7)	1.750 (44.5)	1.188 (30.2)	2.062 (52.4)	.153 (3.9)	.040 (1.0)
36	6	6-32	2.500 (63.5)	1.938 (49.2)	1.375 (34.9)	2.312 (58.7)	.153 (3.9)	.040 (1.0)

Dimensions are in inches (mm).



Rev. 1926

Precision Hand Crimpers

A crimp tool provides reliable crimp termination of contacts for mission-critical applications. A hand crimper is suitable for contacts from size #12 to #22D. For production environments, pneumatic crimpers are also available.

Our tools feature an 8-impression crimp, which ensures maximum tensile strength between wire and contact. Their cycle controlled ratchets are consistent and accurate and do not permit half crimps, ensuring complete and precise crimping every time.

The tool frames have a built-in 8-step selector knob for easy adjustment of crimp depth to accommodate the size of wire being used. Data plates on positioners provide setting information specific to the size of wires and contacts being used.

There are a variety of crimp tools and positioners available to fit the various sized contacts within each connector series. We have paired our most popular models with their required positioner(s) to ensure complete compatibility.

Hand Crimper & Positioner Kits

Part Number	Kit Includes the Following Items	Contact Sizes	Milnec Series Compatibility	Mil-Spec Series Compatibility
TK101-KIT	TK101A crimp tool with TP104 turret positioner	#20, #16, #12	DL Series, DS Series, TX Series	MIL-DTL-38999 Series I, II, III
TK101B-KIT	TK101A crimp tool with TP102 turret positioner	#20, #16, #12	BM Series, EV Series, TM Series, HR Series	MIL-DTL-26482 Series I, II MIL-DTL-83723 Series III MIL-DTL-5015 Crimp*
TK201-KIT	TK201 crimp tool with the following positioners: TP209 (for pins), TP207 (for sockets)	#22, #22M, #22D	DL Series, TX Series	MIL-DTL-38999 Series I MIL-DTL-38999 Series III
TK201B-KIT	TK201 crimp tool with the following positioners: TP209 (for pins), TP206 (for sockets)	#22, #22M, #22D	DS Series	MIL-DTL-38999 Series II
TK201B-KIT	TK101 crimp tool with TP291 turret positioner	#16, #12	RS Series, QS Series	MIL-DTL-22992 QWLD*, AS95234*

* Contacts size #8 and larger require pneumatic crimper. When this is not an option, wires may be soldered directly into contact wire well. For mission critical applications, crimping is preferred termination method.

Rev. 1926

H900 Soldering Station Kit

Our soldering station kit provides a complete solution for professionally terminating solder contacts to stranded or solid core wire.

Features & Benefits

- Temperature range 392° to 896°F (200° to 480°C)
- Adjustable temperature control dial with lock/set screw
- Idle temperature stability of ±1.8°F (1.0°C)
- Ceramic heating element and senor ensure rapid heat-up temperature (30 seconds) and fast thermal recovery
- Celsius or Fahrenheit temperature setting
- Slender iron handles are insulated and ergonomically designed for ease and comfort
- ESD-safe design suitable for controlled environments
- 5 interchangeable tips suitable for connector solder contacts ranging from #0 to #22D

Note: The above lists standard options readily available in stock. Please consult an authorized distributor for full range of solder stations, re-work stations, specialty tips, and accessories.

Soldering Station Kit

Part Number	Kit Includes The Following Items
H900	120V / 60W soldering station, iron holder, cleaning sponge, 5 interchangeable tips, rosin-core lead solder, instructions

Replacement Tips

Part Number	For Contact Size	Description	Image
H900-6D	#16, #20, #22D	Chisel (1.6mm Tip)	
H900-B	#16, #20	Conical (0.5mm Tip)	
H900-2C	#16	45° Beveled (2mm Tip)	
H900-4C	#8, #12	45° Beveled (4mm Tip)	
H900-S3	#0, #4	Chisel (5.2mm Tip)	