

Glenair®



VG95328 QUALIFIED BAYONET-LOCK CONNECTORS

VG95328

**HIGH-DENSITY MIL-C-26482 TYPE CONNECTORS—VG95328
QUALIFIED FOR RUGGED MILITARY AND INDUSTRIAL APPLICATIONS**

FEBRUARY 2022



High Voltage Electrical Power Distribution



From 0 to 60 in 3.9 Seconds

High voltage electrical power distribution is a critical component of the 100% electric Tesla Roadster.

The reliable distribution of electrical energy from the car's lithium-ion energy storage system to the vehicle's motor, electronic control module, HVAC system, transmission and regenerative braking unit depends on a high-performance wiring system made up of high-temperature

shielded conduit and ruggedized reverse-bayonet power connectors—all made by Glenair.

Glenair is on the forefront of innovative efforts to advance the reliability and performance of electric vehicles. Glenair power connectors, cables and conduit are deployed in high-voltage power management and distribution applications for systems as demanding as military vehicles — and as fast as the Tesla Roadster.



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VG95328
High Performance Crimp Contact
Bayonet-Lock Signal Connectors (MIL-C-26482 Type)

A

Qualified VG95328 Connector and Backshell Products for High Performance Military and Industrial Applications

Harsh Application Environments

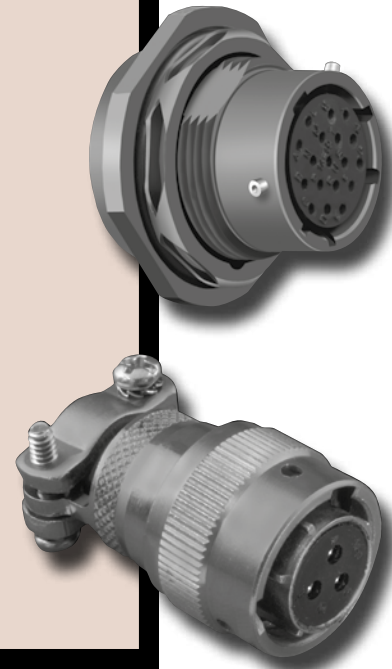
The Glenair Series VG95328 Bayonet-Lock Signal Connector is ideally suited for all general and environmental applications that require a high-performance military type cylindrical connector with crimp-removable contacts. Qualified to VG95328, the bayonet mechanism provides fast and easy coupling, especially when the connector is situated in an awkward or hard to reach location.

Environmental protection to IP67 levels provides additional reliability and the flexibility to specify these rugged connectors in harsh applications such as in machine tools and factory automation. Supplied crimp contacts are gold-plated copper alloy. Inserts are made from high-insulation synthetic rubber, oil and temperature resistant to -55° C to +125° C.

Intermateability

The Series VG95328 Connector is interchangeable and intermateable with the wide range of industry-standard bayonet connectors designed around MIL-C-26482 and/or qualified to VG 95328.

- *High Performance Crimp Version with Contact Retention Clips and Sealed Inserts*
- *Environmental and Hermetic Versions*
- *2 Contact Sizes: #20 and #16.*
- *Closed Entry Socket Contacts*
- *18 Signal Contact Insert Arrangements, 3 to 61 Contacts*
- *Rear-Insertion/Front Release Snap-In Contacts*
- *Intermateable with Other MIL-C-26482 Products*
- *Ruggedized Contact Retention Clip*
- *Environmentally Sealed System*
- *Audible and Visual Coupling Indicators*
- *Keyed Polarization*
- *Optional Grounding Fingers on Plugs*



VG95328
High Performance Crimp Contact
Bayonet-Lock Signal Connectors (MIL-C-26482 Type)



VG95328

Glenair's qualified VG95328 miniature bayonet-lock connector series is based on the MIL-C-26482 Series I standard, and shares the same insert arrangements, shell dimensions, supported contacts and electrical performance ratings as MIL-C-26482 and Glenair's commercial equivalent product line, the IPT SE. The VG 95328 3-point bayonet coupling mechanism provides easy mating and positive locking resistance to vibration, shock, and other connector de-coupling forces in general duty and environmental interconnect systems such as military and commercial aircraft, medical equipment, industrial controls, factory robotics, instrumentation and other general electronic applications.

Component Materials

VG95328 connectors are available in aluminum alloy and are supplied standard with an olive green cadmium finish IAW QQ-P-416. Supplied crimp contacts are gold plated copper alloy. Insulators are High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C.

EMI and Environmental Applications

VG95328 Series connectors are perfectly suited for use in rugged applications where EEC compliance directives for electromagnetic compatibility is required. A complete range of EMI shield termination accessories are available for both overall as well as individual wire shields.



Equipped with the appropriate backshells and environmental sealing, the connectors are submersible for 48 hours up to a depth of two meters.

Connector Accessories

Many of the VG95328 Series connectors come standard already paired with selected backshell accessories for most application requirements. See the accessory descriptions on the opposite page for more information. A full range of additional connector accessories including dustcaps and EMI gaskets are also available.

Please contact the factory for additional information or any of our worldwide sales and engineering facilities. Glenair's website, www.glenair.com also has complete information on these products, as well as other ruggedized power and signal connectors.



VG95328 Bayonet-Lock High Performance Crimp Contact (MIL-C-26482 Type) Styles and Classes

A

VG95328 offers a simplified ordering and part number format that combines the five standard connector shell styles with the most popular backshells and connector accessories. Available connector shell styles, backshell types and accessories include:

VG95328 Connector Shell Styles

- *Front Panel Mount Square Flange Receptacle with Accessory Threads*
- *Rear Box Mount Square Flange Receptacle with No Accessory Threads*
- *Rear Box Mount Square Flange Through Bulkhead Receptacle*
- *Straight Plug Connector with Accessory Threads*
- *Rear Box Mount Jam Nut Receptacle*

VG95328 Integrated Backshell Types

Type N: Backshell for general-duty applications. This connector-backshell assembly is supplied with a general-duty backshell for the attachment of additional accessories such as MS 3057 cable clamps (ordered separately).

Types A, C and D: Backshell for general-duty environmental applications using unjacketed wire bundles. Additional environmental sealing is provided through an individual wire sealing grommet in the connector and an overall cable grommet seal in the backshell. No cable clamp supplied.

Types B, E and K: Same as class above, but with cable clamp and bushing for strain-relief.

Types J, S and V: Backshell for Heat Shrink Boot.

Types M, R and T: Plug with backshell for EMI shield termination and/or heatshrink boot.

VG95328 Accessories

- *Plug and receptacle protective covers with various lanyard styles for panel attachment*
- *Plug and receptacle covers with various lanyard styles for cable attachment*
- *Conductive and non-conductive gaskets for panel mount connectors*
- *Dummy stowage receptacles*
- *Consult factory for additional products*

**VG95328 Bayonet-Lock
High Performance Crimp Contact Connector
Materials and Finishes**



The Glenair VG95328 miniature bayonet-lock connector series features a 3 point bayonet coupling mating interface with stainless steel coupling pins for advanced durability. Resilient closed entry inserts provide outstanding dielectric performance and environmental protection. Individual wire sealing grommets elevate the environmental protection rating to IP67. Conductive metal shells and plating provide a reliable ground plane for EMI applications when connectors are combined with appropriate shield termination backshells. Ground springs are also available in selected plug versions to further enhance EMC. Shells are keyed with five total alternate key positions. Connector shells are supplied standard in aluminum alloy with cadmium/olive drab passivation. For other plating options please consult Glenair's commercial equivalent catalog, *IPT and IPT SE Bayonet Lock Connectors*. The connectors are temperature rated from -55°C to +125°C (see opposite page for current ratings versus temperature). The VG95328 family consists of:

20 styles of connectors

9 Sizes of Connectors

2 Contact Sizes: #20 and #16

18 Insert Arrangements

2 Kinds of Contacts: Crimp Contacts (Standard); Solder Contacts (Hermetic Versions)

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

**STANDARD FINISH
(FOR QQ-A-591 ALUMINUM SHELLS)**

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good



VG95328 Bayonet-Lock High Performance Crimp Contact Connector Technical Data

SERVICE RATING

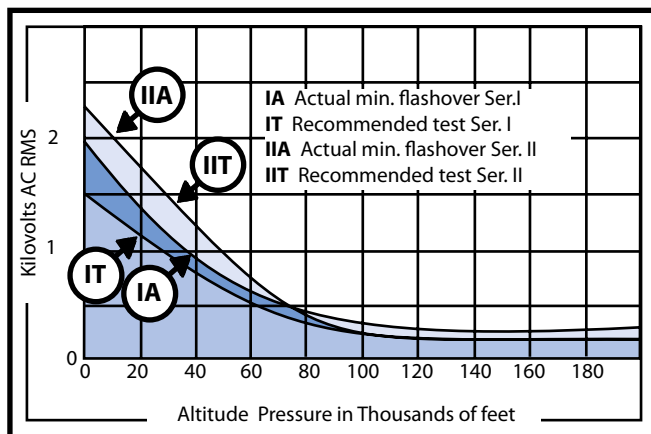
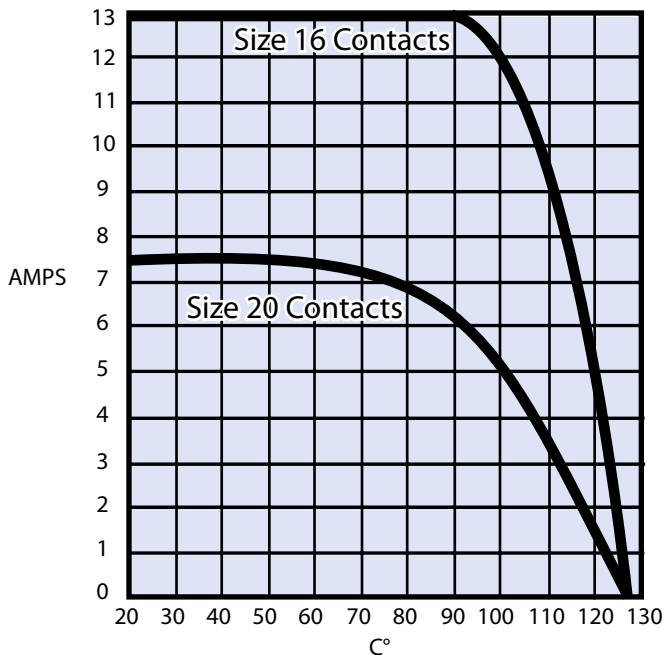
Class	Operating voltage AC	Operating voltage DC	Test voltage AC
I	600	700	1500
II	1000	1250	2300

A

POTENTIAL DROP

Contact size	Test current	Potential drop
20	7.5 A	25 mV
16	13.0 A	21 mV

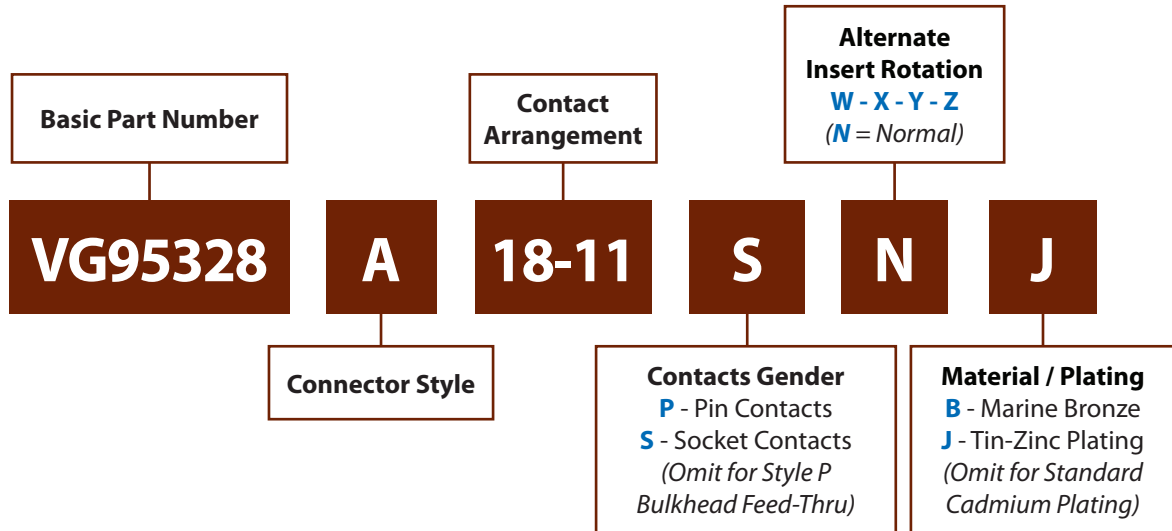
Rated Current Versus Temperature





VG95328 Bayonet-Lock
High Performance Crimp Contact (MIL-C-26482 Type)
How to Order • Cross Reference

A



CONNECTOR CROSS REFERENCE

VG95328 Connectors	MS	Glenair
VG95328 A	MS 3120 E	IPT 00 SE
VG95328 B	MS 3120 F	IPT 00 SE ... SR
VG95328 C	MS 3122 E	IPT 02 SE
VG95328 D	MS 3124 E	IPT 07 SE
VG95328 E	MS 3124 F	IPT 07 SE ... SR
VG95328 F	N.A.	N. A.
VG95328 G	N.A.	N. A.
VG95328 H	N.A.	N.A.
VG95328 J	N.A.	IPT 06 GSE
VG95328 K	MS 3126 F	IPT 06 SE ... SR
VG95328 L	N.A.	N. A.
VG95328 M	N.A.	IPT G 06 MSE
VG95328 N	N.A.	IPT G 06 ASE
VG95328 P	MS 3119 E	IPT 02 PP
VG95328 R	N.A.	IPT 00 MSE
VG95328 S	N.A.	IPT 07 GSE
VG95328 T	N.A.	IPT 07 MSE
VG95328 U	N.A.	N. A.
VG95328 V	N.A.	IPT G 06 GSE
VG95328 W	N.A.	N. A.

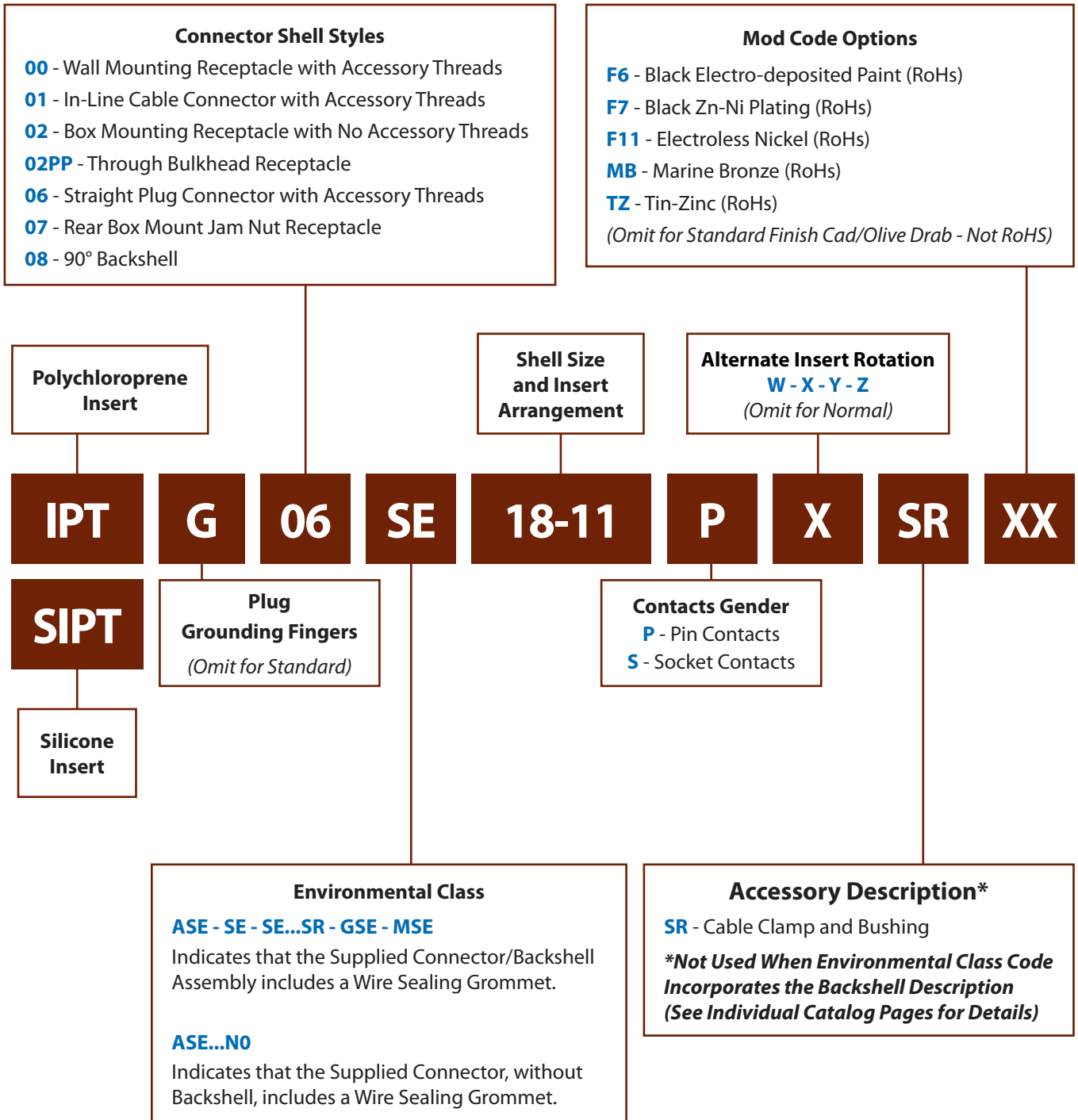
ACCESSORY CROSS REFERENCE

VG95328 Accessories	MS	Glenair
VG95328 Z1 A	MS 3181 C	IPT 3181 C
VG95328 Z1 B	N.A.	IPT 3181 CF
VG95328 Z1 C	N.A.	IPT 3181 Z1C
VG95328 Z2 A	MS 3180 C	IPT 3180 C
VG95328 Z2 B	N.A.	IPT 3180 CF
VG95328 Z2 C	N.A.	IPT 3180 Z2C
VG95328 Z3 C	N.A.	IPT 3181 NF
VG95328 T07 A	N.A.	10-101949
VG95328 T07 B	N.A.	10-101949 S
VG95328 T07 C	MS 3115	IPT 3115

Glenair IPT SE Commercial Equivalent Product Line



Glenair offers a complete commercial equivalent product line, the Series IPT SE, that conforms exactly to the VG95328 standard but also offers additional connector styles, backshell types, plating codes and other enhancements. For complete product information see the IPT and IPT SE Bayonet-Lock Connector Catalog.

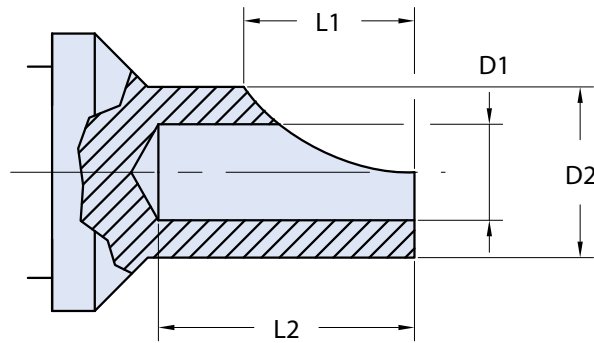


VG95328 Bayonet-Lock Connectors
Solder Contacts for Hermetic Styles F, G and H
Plus Crimp Contact Assembly Tools



VG95328
Introduction

A



TERMINATION DIMENSIONS

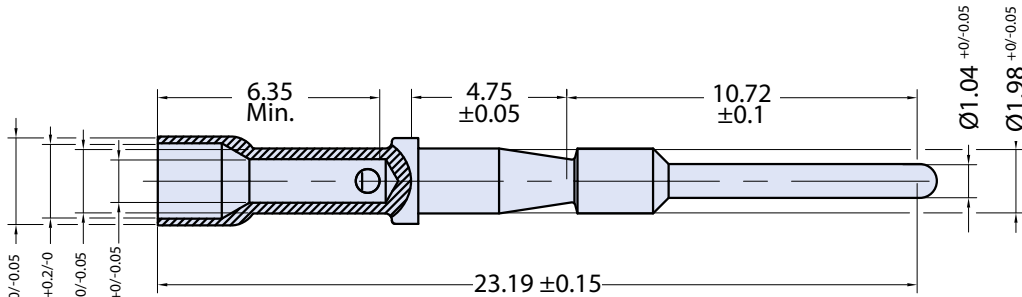
Contact size	D1 min.	D2 min.	Max.	L1 +1.5 -0.4	L2 ±0.8	Color
20	1.1	1.5	2.2	3.2	2.4	Red
16	1.8	2.4	2.9	4.8	3.2	Blue

VG95328 CRIMP CONNECTOR ASSEMBLY TOOLS

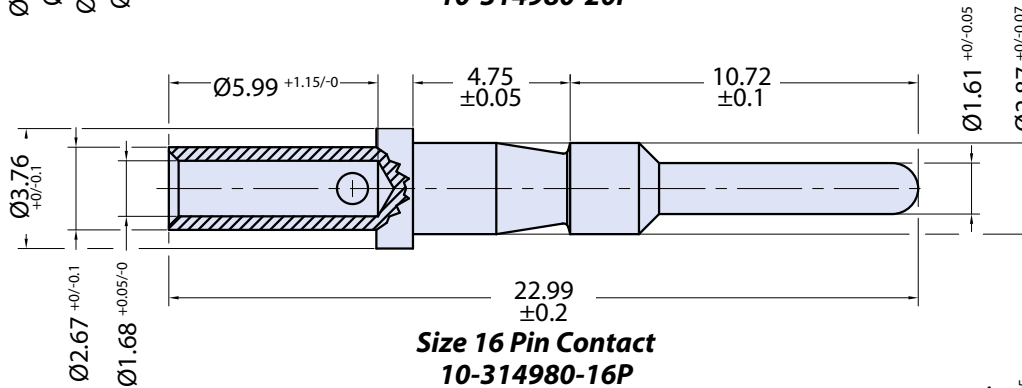
Contact Size	Wires Cross Section		Manual Crimping Tool	Pneumatic Crimping Tool	Turret	Insertion Tool	Removal Tool
	mm ²	AWG					
10-314980-20P	20	20	M.105001 [AF8]	M.105003 [WA27F]	M.105011 [TH1A]	M.117349 [DAK20]	M.118290 [DRK20]
10-314980-20S							
10-314980-16P	16	16	M.105001 [AF8]	M.105003 [WA27F]	M.105011 [TH1A]	M.117350 [DAK16]	M.118291 [DRK16]
10-314980-16S							

DMC PART NUMBERS INDICATED IN [PARENTHESES]

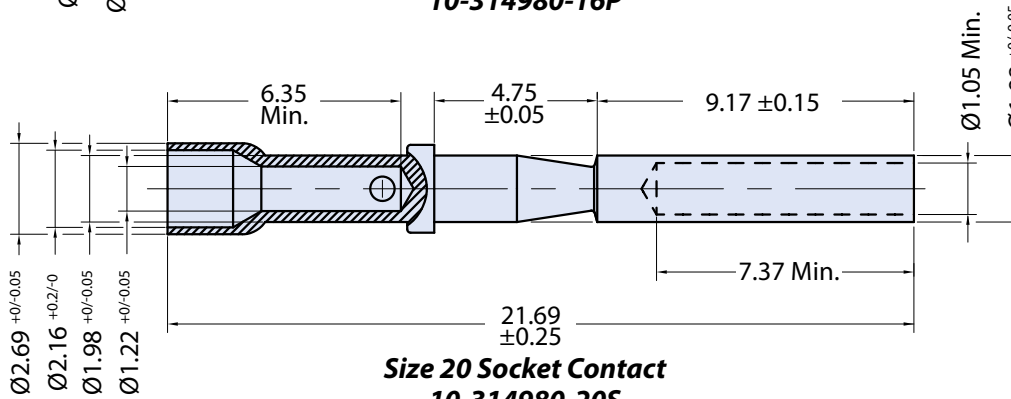
A



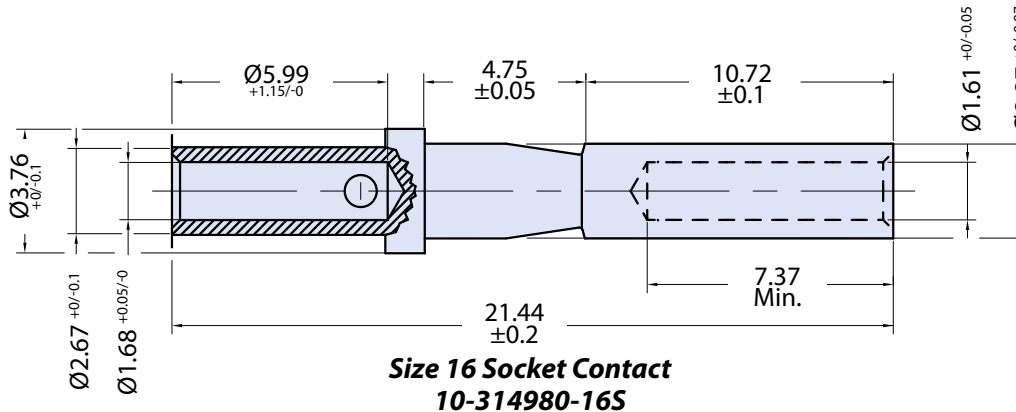
Size 20 Pin Contact
10-314980-20P



Size 16 Pin Contact
10-314980-16P



Size 20 Socket Contact
10-314980-20S



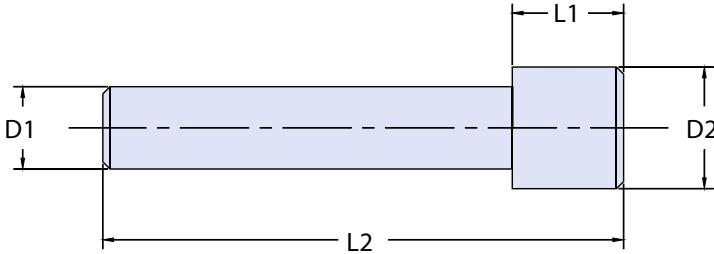
Size 16 Socket Contact
10-314980-16S

VG95328 Insert Arrangement Tables and Sealing Plugs



VG95328
Introduction

Sealing Plugs for Grommet Cavity



SEALING PLUG DIMENSIONS

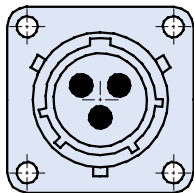
Part Number	D1 ±0.1	D2 ±0.2	L1 ±0.1	L2 ±0.3	Color
DIN 65194-20	1.62	2.3	3.5	14.5	Red
DIN 65194-16	2.30	3.4	3.1	14.5	Blue

A

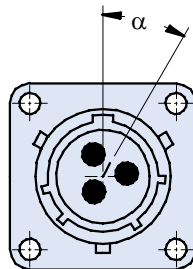
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

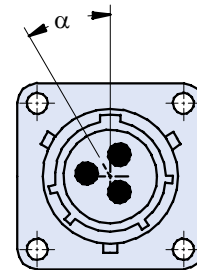
^a Not for new design



Normal Position



Alternate Position with Socket Contacts



Alternate Position with Pin Contacts



VG95328 Available Insert Arrangements

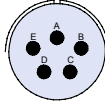
A

3 CONTACTS



Arrangement	8-3A	12-3
Contact Size	20	16
Service Rating	I	II

5 CONTACTS



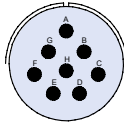
Arrangement	14-5
Contact Size	16
Service Rating	II

6 CONTACTS



Arrangement	10-6
Contact Size	20
Service Rating	I

8 CONTACTS



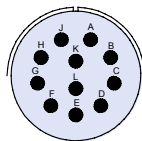
Arrangement	16-8
Contact Size	16
Service Rating	II

10 CONTACTS



Arrangement	12-10
Contact Size	20
Service Rating	I

11 CONTACTS



Arrangement	18-11
Contact Size	16
Service Rating	II

CONTACT LEGEND



20



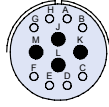
16

VG95328

Available Insert Arrangements

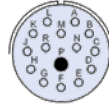


12 CONTACTS



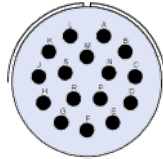
Arrangement	14-12
Contact Size	8-20, 4-16
Service Rating	I

15 CONTACTS



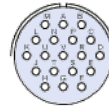
Arrangement	14-15
Contact Size	14-20, 1-16
Service Rating	I

16 CONTACTS



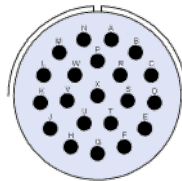
Arrangement	20-16
Contact Size	16
Service Rating	II

19 CONTACTS



Arrangement	14-19
Contact Size	20
Service Rating	I

21 CONTACTS



Arrangement	22-21
Contact Size	16
Service Rating	II

CONTACT LEGEND

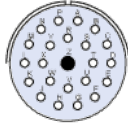
○ 20 ● 16



VG95328
Available Insert Arrangements

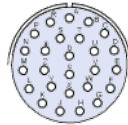
A

23 CONTACTS



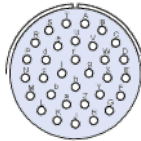
Arrangement	16-23
Contact Size	22-20, 1-16
Service Rating	I

26 CONTACTS



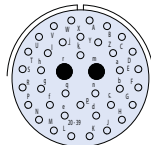
Arrangement	16-26
Contact Size	20
Service Rating	I

32 CONTACTS



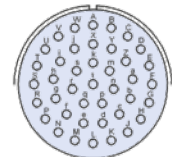
Arrangement	18-32
Contact Size	20
Service Rating	I

39 CONTACTS



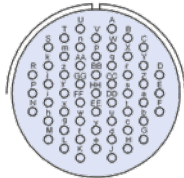
Arrangement	20-39
Contact Size	37-20, 2-16
Service Rating	I

41 CONTACTS



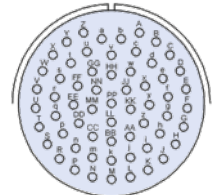
Arrangement	20-41
Contact Size	20
Service Rating	I

55 CONTACTS



Arrangement	22-55
Contact Size	20
Service Rating	I

61 CONTACTS



Arrangement	24-61
Contact Size	20
Service Rating	I

**CONTACT
LEGEND**



VG95328 Bayonet-Lock

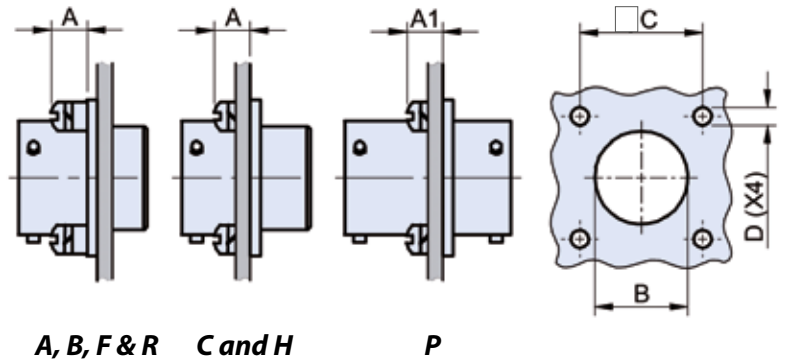
High Performance Crimp (MIL-C-26482 Type)

Fastener Height Requirements and Panel Cutout Dimensions



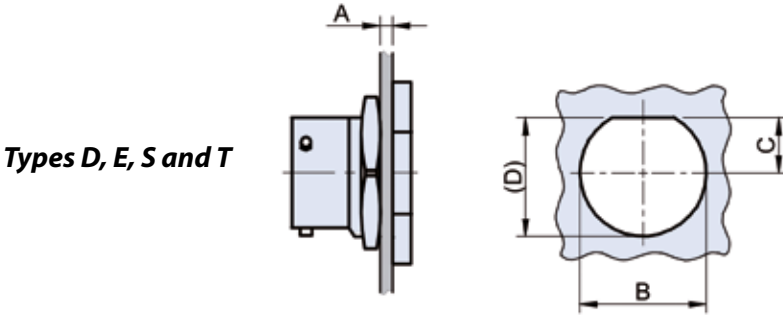
VG95328
Connectors

For front panel mount square flange connectors the "A" dimension indicates the measured maximums that mounting hardware can stand proud from the connector flange before it will interfere with connector mating. For rear box mount square flange connectors the same "A" column maximum dimensions apply, but in this case the measurement taken includes the thickness of the panel wall or box (so the mounting hardware needs to be correspondingly shorter). Column "A1" defines the maximums for the bulkhead feedthrough product before mounting hardware interferes with mating.



A, B, F & R C and H P

Panel thickness and panel cutout						
Shell Size	A max	A1 max	ØB +0.2 / -0		C ±0.1	ØD ±0.12
			Front Panel	Rear Panel		
8	2.2	5.54	12.7	15.0	15.10	3.04
10	2.2	5.54	16.0	18.0	18.25	3.04
12	2.2	5.54	19.0	22.5	20.60	3.04
14	2.2	5.54	22.2	25.7	23.00	3.04
16	2.2	5.54	25.5	29.0	24.60	3.04
18	2.2	5.54	28.5	32.0	27.00	3.04
20	5.4	8.74	31.7	35.2	29.35	3.04
22	5.4	8.74	35.0	38.5	31.75	3.04
24	5.4	7.9	38.0	41.6	34.90	3.73



Panel thickness and panel cutout for Jam Nut connectors				
Shell Size	A min - max	ØB +0.2 / -0	C +0 / -0.25	(D)
8	1.6 - 3.2	14.5	6.35	13.6
10	1.6 - 3.2	17.7	7.95	16.8
12	1.6 - 3.2	22.7	9.55	20.9
14	1.6 - 3.2	25.7	11.25	24.1
16	1.6 - 3.2	28.8	12.80	27.2
18	1.6 - 3.2	32.0	14.40	30.4
20	1.6 - 6.3	35.1	16.10	33.6
22	1.6 - 3.2	38.4	17.6	36.8
24	1.6 - 3.2	41.5	19.25	40.0



VG95328 A

Bayonet-Lock Front Panel Mount Square Flange Receptacle with Backshell

B

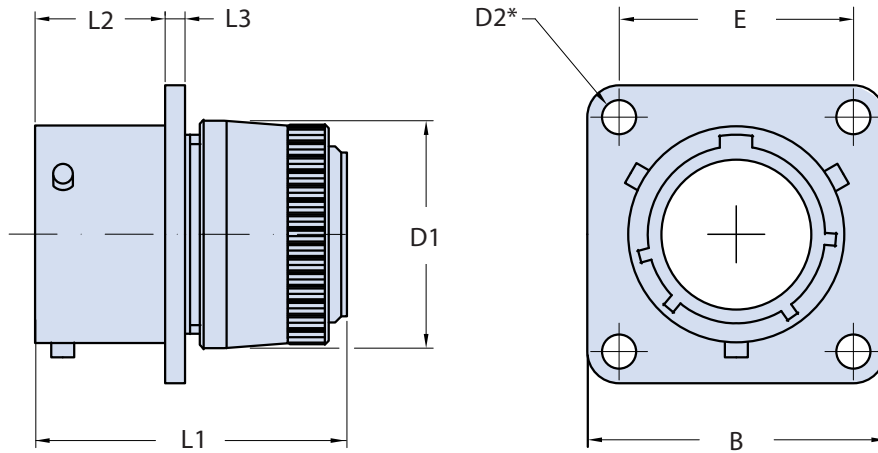
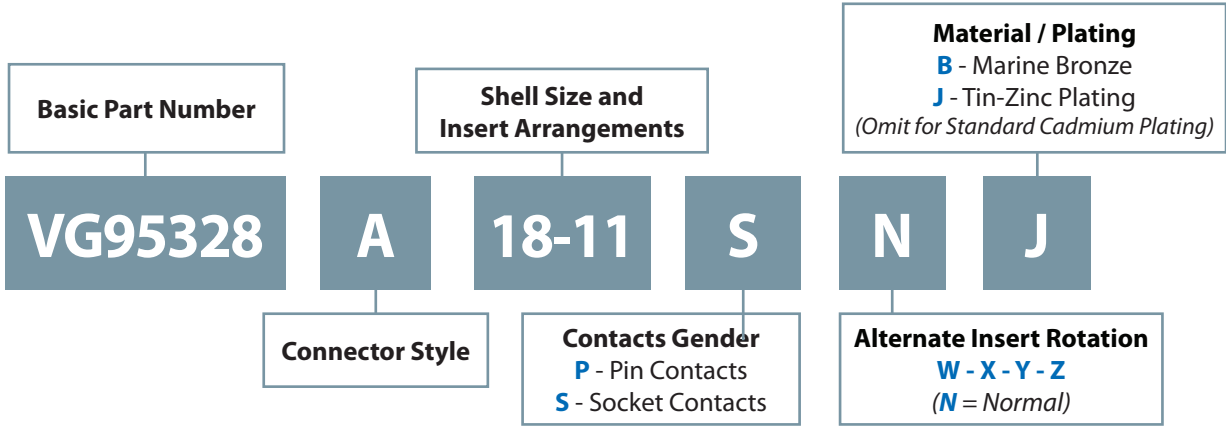


TABLE I: DIMENSIONS

Shell Size	B Max.	D1 Max	D2 Min.	E ±0.15	L1 Max.	L2 + 0.8 - 0	L3 Max.	Max-Weight in Grams
8	21.03	15.44	2.9	15.08	40	10.94	2.0	10
10	24.23	18.64	2.9	18.26	40	10.94	2.0	14
12	26.59	21.79	2.9	20.62	40	10.94	2.0	22
14	28.98	25.00	2.9	23.01	40	10.94	2.0	29
16	31.34	28.19	2.9	24.61	40	10.94	2.0	37
18	33.73	31.34	2.9	26.97	40	10.94	2.0	45
20	36.90	34.54	2.9	29.36	44	14.12	2.8	50
22	40.08	37.69	2.9	31.75	44	14.12	2.8	55
24	43.25	40.89	3.6	34.92	44	14.86	2.8	65

*Through Mounting Holes

VG95328 A

Bayonet-Lock Front Panel Mount Square Flange Receptacle with Backshell



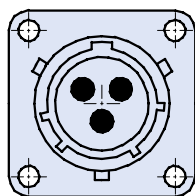
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

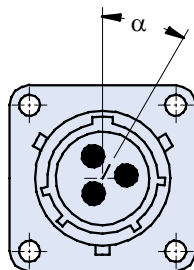
ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

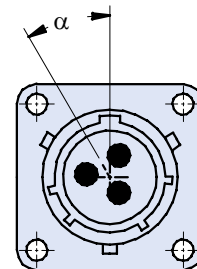
^a Not for new design



Normal Position



Alternate Position with Socket Contacts



Alternate Position with Pin Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions



VG95328 B
Bayonet-Lock Front Panel Mount Square Flange Receptacle
with Backshell, Cable Clamp and Bushing

B

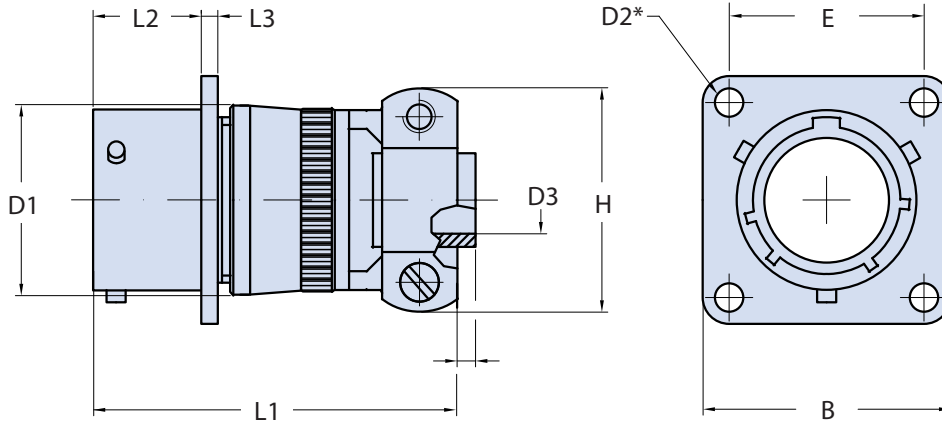
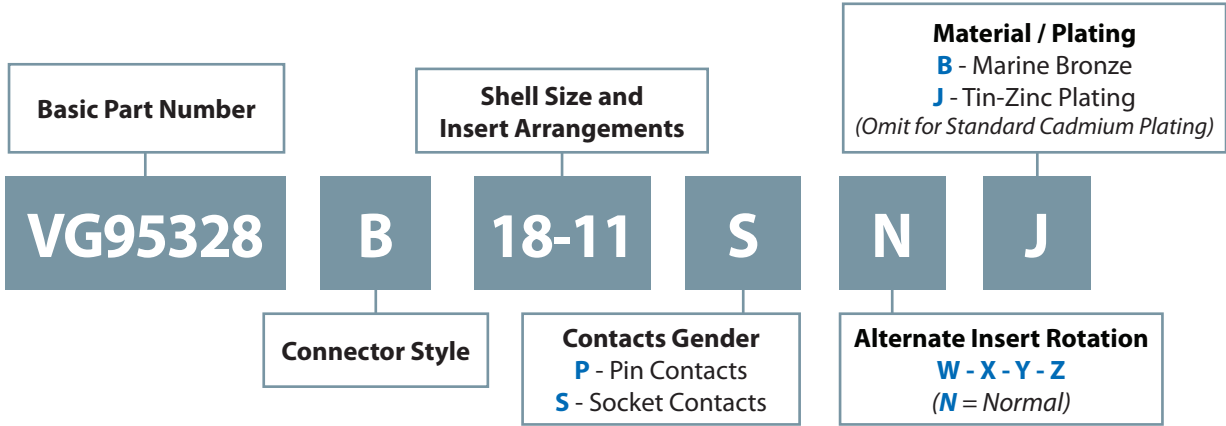


TABLE I: DIMENSIONS

Shell size	B Max.	D1 Max.	D2 Min.	D3 +0.3 -0.7	E ±0.15	H Max.	L1 Max.	L2 +0.8 -0	L3 Max.	Max. Weight in Grams
8	21.03	15.44	2.9	3.2	15.08	21.1	61.5	10.94	2.0	20
10	24.23	18.64	2.9	4.8	18.26	22.7	61.5	10.94	2.0	22
12	26.59	27.79	2.9	7.9	20.62	25.9	61.5	10.94	2.0	29
14	28.98	25.00	2.9	9.5	23.01	29.0	61.5	10.94	2.0	40
16	31.34	28.19	2.9	12.7	24.61	30.6	64.4	10.94	2.0	51
18	33.73	31.34	2.9	15.9	26.97	37.4	64.4	10.94	2.0	62
20	36.90	34.54	2.9	15.9	29.36	37.4	71.1	14.12	2.8	70
22	40.08	37.69	2.9	19.1	31.75	42.1	71.1	14.12	2.8	75
24	43.25	40.89	3.6	20.3	34.92	44.5	73.6	14.96	2.8	87

Single Hole Mounting

VG95328 B

Bayonet-Lock Front Panel Mount Square Flange Receptacle with Backshell, Cable Clamp and Bushing



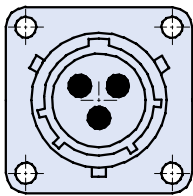
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

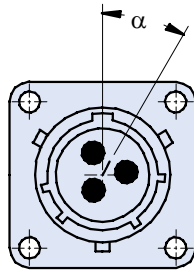
ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

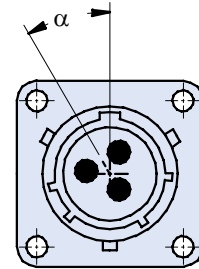
^a Not for new design



Normal Position



Alternate Position with Socket Contacts



Alternate Position with Pin Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions



VG95328 C
Bayonet-Lock Fixed Connector with Mounting Flange Receptacle

B

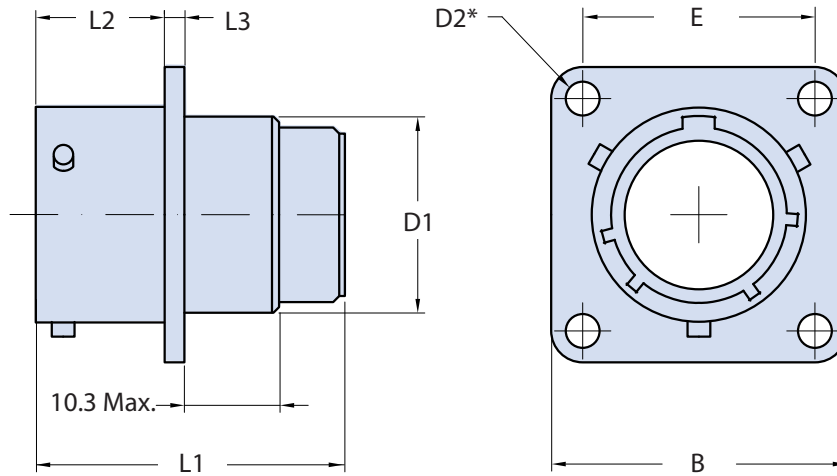
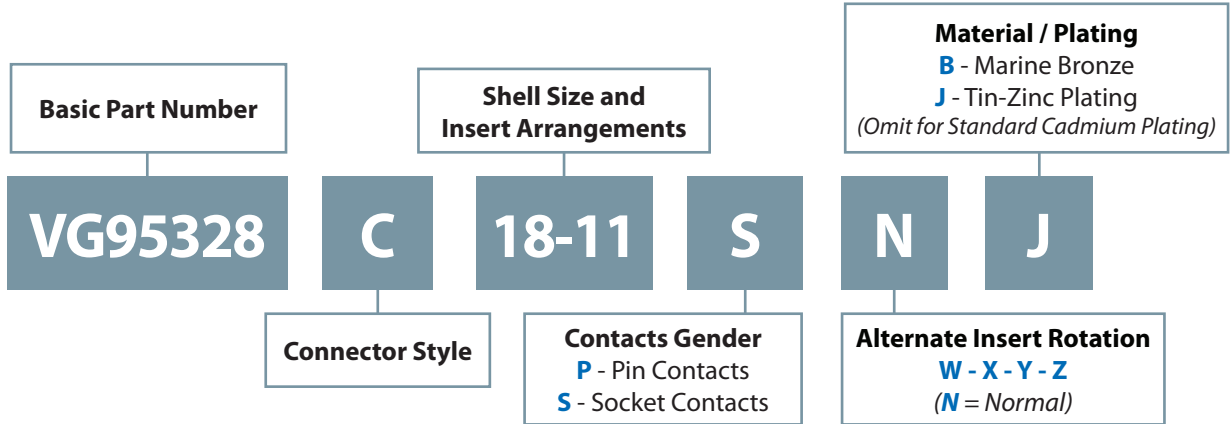


TABLE I: DIMENSIONS

Shell size	B Max.	D1 Max.	D2 Min.	E ±0.15	L1 Max.	L2 +0.8 -0	L3 Max.	Max. Weight in Grams
8	21.03	11.2	2.9	15.08	33.5	10.94	2.0	6
10	24.23	14.3	2.9	18.26	33.5	10.94	2.0	7
12	26.59	17.5	2.9	20.62	33.5	10.94	2.0	10
14	28.98	20.7	2.9	23.01	33.5	10.94	2.0	12
16	31.34	23.9	2.9	24.61	33.5	10.94	2.0	14
18	33.73	27.0	2.9	26.97	33.5	10.94	2.0	17
20	36.90	30.2	2.9	29.36	34.7	14.12	2.8	21
22	40.08	33.4	2.9	31.75	36.0	14.12	2.8	25
24	43.25	36.6	3.6	34.92	36.0	14.96	2.8	27

*Through Mounting Holes

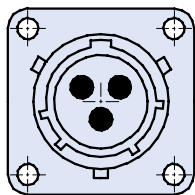
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

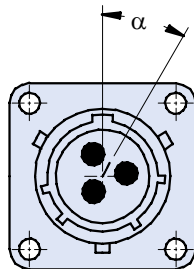
ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

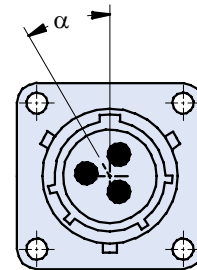
^a Not for new design



Normal Position



Alternate Position with Socket Contacts



Alternate Position with Pin Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH
(For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions

B



VG95328 D
Bayonet-Lock Rear Panel Mount Jam Nut Receptacle
with Backshell

B

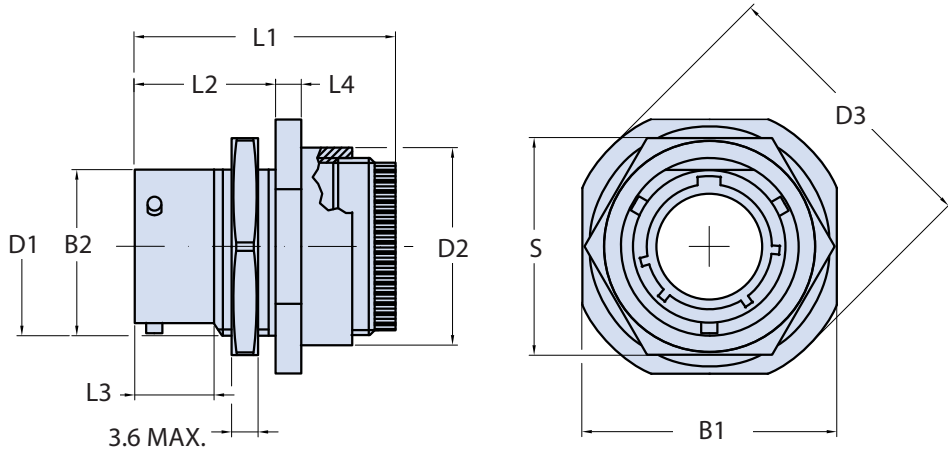
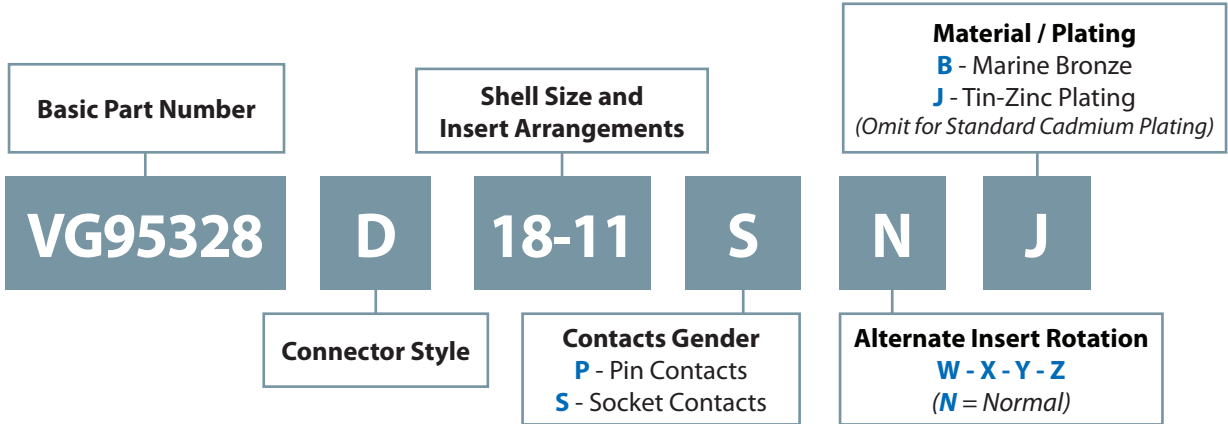


TABLE I: DIMENSIONS

Shell size	B1 Max.	B2 +0 -0.25	D1	D2 Min.	D3 +0 -0.8	L1 Max.	L2 +0.8 -0	L3 Min.	L4 ±0.5	S ±0.43	Maximum Weight in Grams
8	24.3	13.46	0.5625 - 24 UNEF	19.0	27.3	39.3	17.5	9.75	3.0	19.05	20
10	27.4	16.64	0.6875 - 24 UNEF	22.2	30.5	39.3	17.5	9.75	3.0	22.23	21
12	32.2	20.78	0.8750 - 20 UNEF	25.4	35.3	39.3	17.5	9.75	3.0	26.97	30
14	35.4	23.93	1.0000 - 20 UNEF	28.5	38.5	39.3	17.5	9.75	3.0	30.18	39
16	38.6	27.08	1.1250 - 18 UNEF	31.7	41.6	39.3	17.5	9.75	3.0	33.32	49
18	41.7	30.25	1.2500 - 18 UNEF	34.9	44.8	39.3	17.5	9.75	3.0	36.53	57
20	46.5	33.43	1.3750 - 18 UNEF	38.8	49.6	43.4	22.3	11.32	3.8	39.67	78
22	49.7	36.60	1.5000 - 18 UNEF	42.0	52.7	43.4	22.3	11.32	3.8	42.88	97
24	52.8	39.78	1.6250 - 18 UNEF	45.2	55.9	43.4	23.1	12.16	3.8	46.02	115

Single Hole Mounting

VG95328 D

Bayonet-Lock Rear Panel Mount Jam Nut Receptacle with Backshell



VG95328
Connectors

CONTACT ARRANGEMENTS

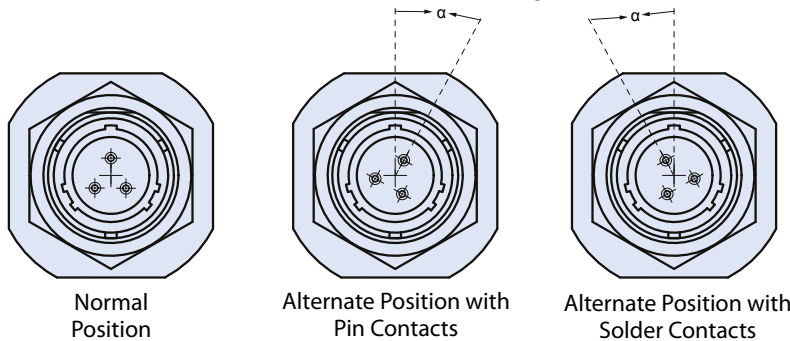
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

B

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

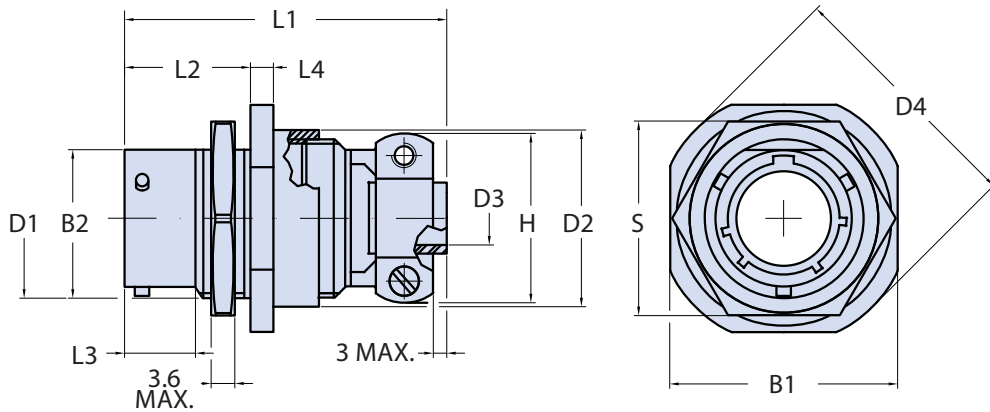
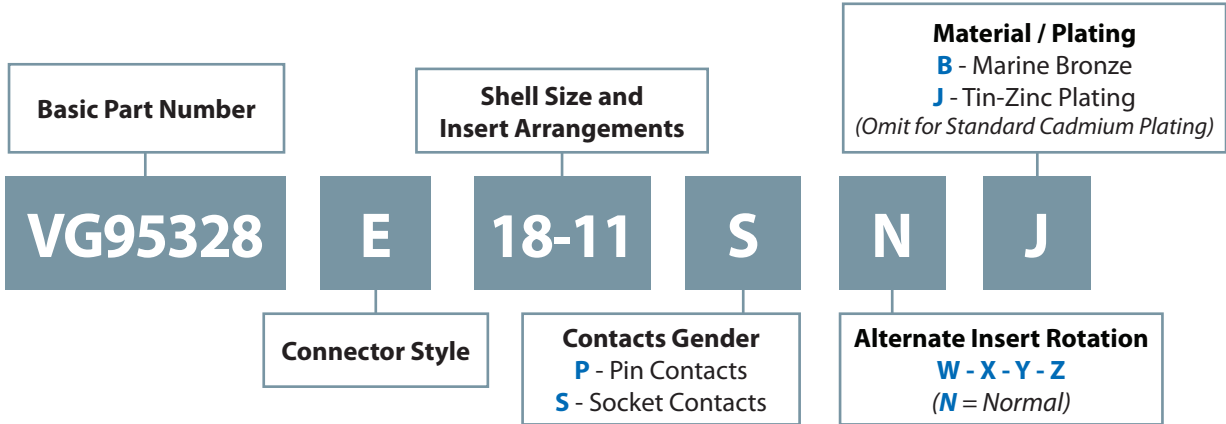
Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions



VG95328 E
Bayonet-Lock Rear Panel Mount Jam Nut Receptacle
with Cable Clamp and Bushing

B



Shell size	B1 Max.	B2 +0 -0.25	D1	D2 Min.	D3 +0.3 -0.7	D4 +0 -0.8	L1 Max.	L2 +0.8 -0	L3 Min.	L4 ± 0.15	S ± 0.43	Maximum Weight in Grams
8	24.3	13.46	0.5625 - 24 UNEF	19.0	3.2	27.3	61.5	17.5	9.75	3.0	19.05	25
10	27.4	16.64	0.6875 - 24 UNEF	22.2	4.8	30.5	61.5	17.5	9.75	3.0	22.23	25
12	32.2	20.78	0.8750 - 20 UNEF	25.4	7.9	35.3	61.5	17.5	9.75	3.0	26.97	37
14	35.4	23.93	1.0000 - 20 UNEF	28.5	9.5	38.5	61.5	17.5	9.75	3.0	30.18	50
16	38.6	27.08	1.1250 - 18 UNEF	31.7	12.7	41.6	64.4	17.5	9.75	3.0	33.32	63
18	41.7	30.25	1.2500 - 18 UNEF	34.9	15.9	44.8	64.4	17.5	9.75	3.0	36.53	74
20	46.5	33.43	1.3750 - 18 UNEF	38.8	15.9	49.6	71.1	22.3	11.32	3.8	39.67	97
22	49.7	36.60	1.5000 - 18 UNEF	42.0	19.1	52.7	71.1	22.3	11.32	3.8	42.88	117
24	52.8	39.78	1.6250 - 18 UNEF	45.2	20.3	55.9	73.6	23.1	12.16	3.8	46.02	137

Single Hole Mounting

VG95328 E

Bayonet-Lock Rear Panel Mount Jam Nut Receptacle with Cable Clamp and Bushing



VG95328
Connectors

CONTACT ARRANGEMENTS

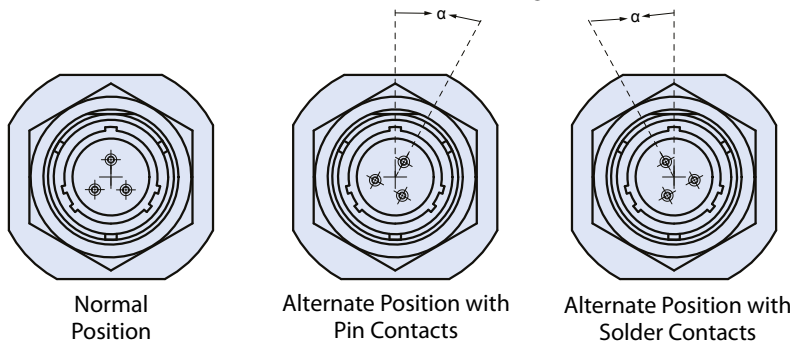
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

B

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions



VG95328 F
Bayonet-Lock Rear Panel Mount Hermetic Jam Nut
Receptacle with Pin Solder Contacts

B

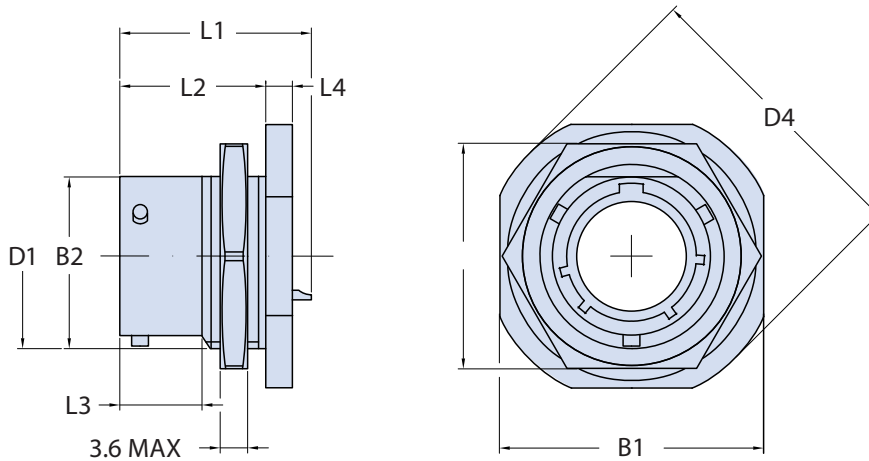
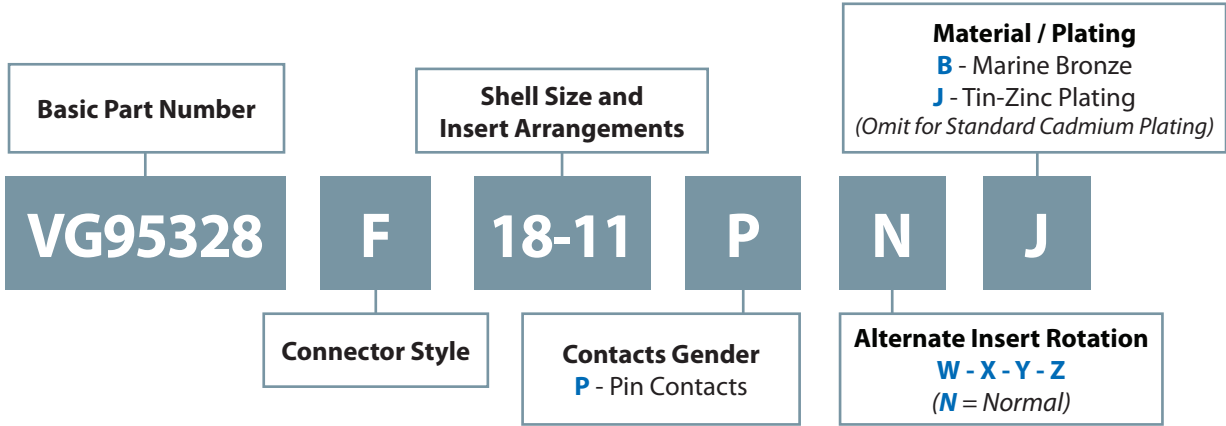


TABLE I: DIMENSIONS

Shell size	B1 Max.	B2 +0 -0.25	D1	D2 Min.	D3 +0 -0.8	L1 Max.	L2 +0.8 -0	L3 Min.	L4 ±0.5	S ±0.43	Maximum Weight in Grams
8	24.3	13.46	0.5626 - 24 UNEF	27.3	26.0	17.5	9.75	3.0	19.05	20	20
10	27.4	16.64	0.6875 - 24 UNEF	30.5	26.0	17.5	9.75	3.0	22.23	26	21
12	32.2	20.78	0.8750 - 20 UNEF	35.3	26.0	17.5	9.75	3.0	26.97	40	30
14	35.4	23.93	1.0000 - 20 UNEF	38.5	26.0	17.5	9.75	3.0	30.18	46	39
16	38.6	27.08	1.1250 - 18 UNEF	41.6	26.0	17.5	9.75	3.0	33.32	56	49
18	41.7	30.25	1.2500 - 18 UNEF	44.8	26.0	17.5	9.75	3.0	36.53	68	57
20	46.5	33.43	1.3750 - 18 UNEF	49.6	32.0	22.3	22.3	3.8	39.67	90	78
22	49.7	36.60	1.5000 - 18 UNEF	52.7	32.0	22.3	22.3	3.8	42.88	105	97
24	52.8	39.78	1.6250 - 18 UNEF	55.9	32.0	23.1	23.1	3.8	46.02	115	115

Single Hole Mounting

VG95328 F

Bayonet-Lock Rear Panel Mount Hermetic Jam Nut Receptacle with Pin Solder Contacts



CONTACT ARRANGEMENTS

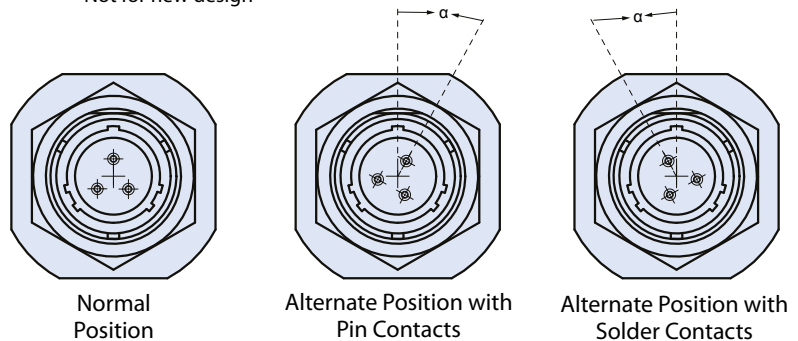
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design

Class F, G and H hermetic versions not qualified to VG95328. Please consult factory for Glenair commercial equivalent MIL-DTL-26482 and VG95328 type hermetic connectors.



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	Glass
Stainless Steel Coupling Pins	SOLDER CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions



VG95328 G
Bayonet-Lock Solder Mount Hermetic Receptacle
with Pin Solder Contacts

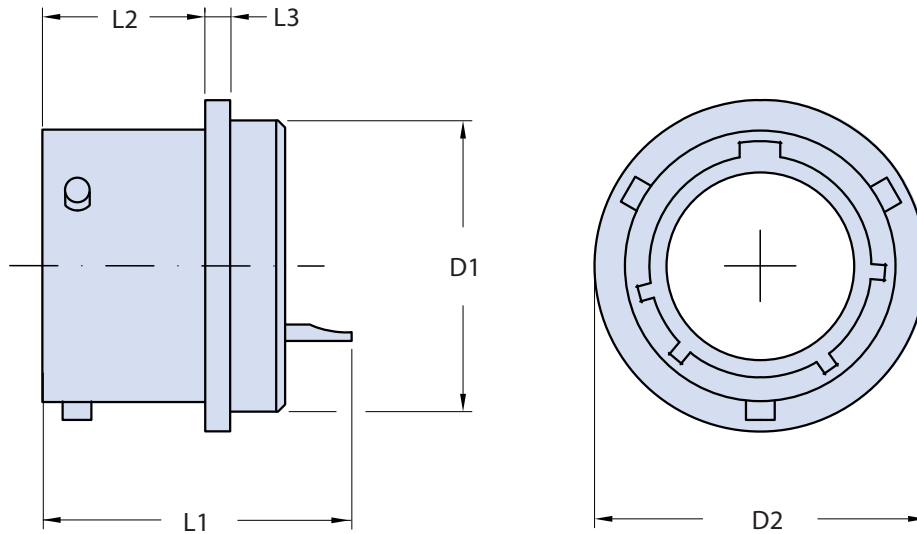
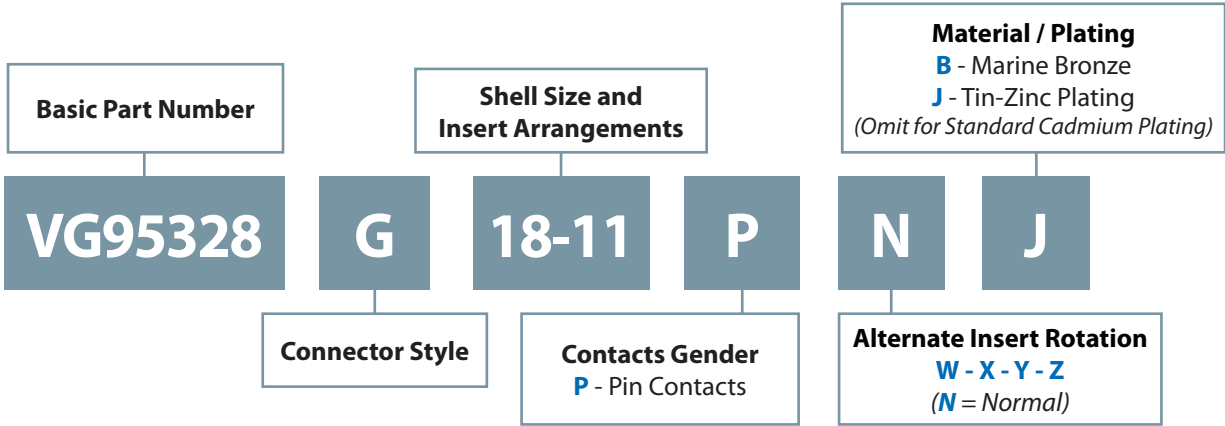


TABLE I: DIMENSIONS

Shell Size	D1 +0.02 -0.13	D2 ±0.4	L1 Max	L2 +0.8 -0	L3 +0.4 -0.13	Max Weight (g)
8	14.27	15.9	21.0	10.5	0.8	8
10	17.07	19.1	21.0	10.5	0.8	13
12	19.84	21.4	21.0	10.5	0.8	20
14	23.01	24.6	21.0	10.5	0.8	23
16	26.19	27.8	21.0	10.5	0.8	26
18	29.36	30.9	21.0	10.5	0.8	32
20	31.75	33.3	22.6	12.1	0.8	44
22	34.92	36.5	23.4	12.1	0.8	56
24	38.10	39.7	23.4	12.9	0.8	60

Single Hole Mounting

VG95328 G

Bayonet-Lock Solder Mount Hermetic Receptacle with Pin Solder Contacts



CONTACT ARRANGEMENTS

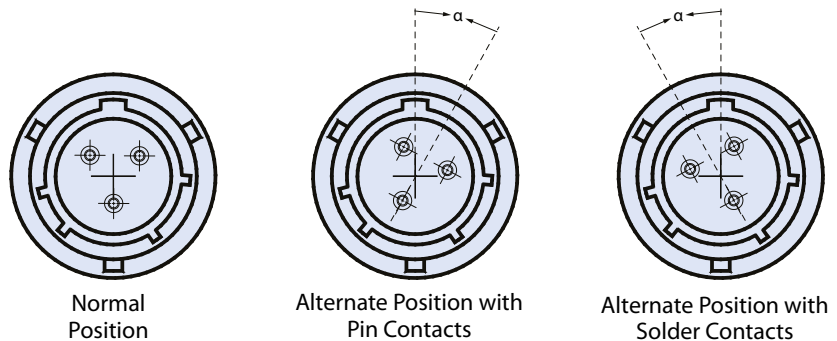
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design

Class F, G and H hermetic versions not qualified to VG95328. Please consult factory for Glenair commercial equivalent MIL-DTL-26482 and VG95328 type hermetic connectors.



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	Glass
Stainless Steel Coupling Pins	SOLDER CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

Consult Factory for Panel Thickness and Cutout Dimensions





VG95328 H
Bayonet-Lock Front Panel Mount Square Flange Hermetic Receptacle
with Solder Contacts

B

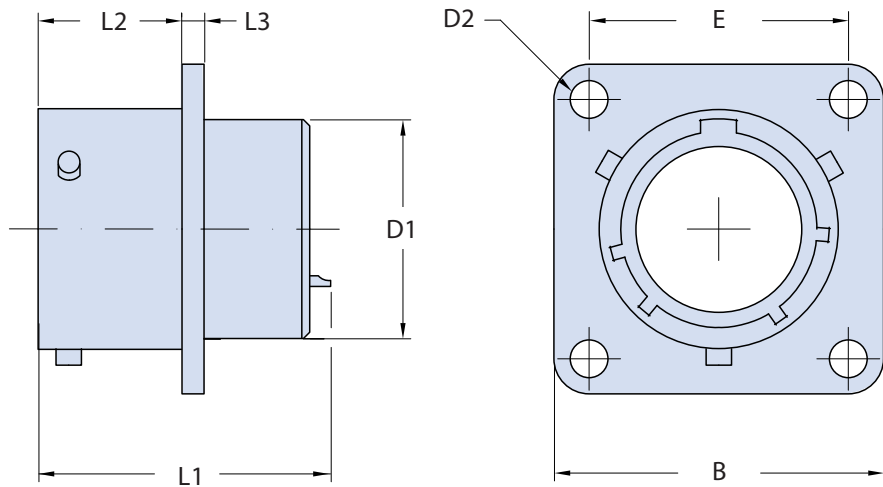
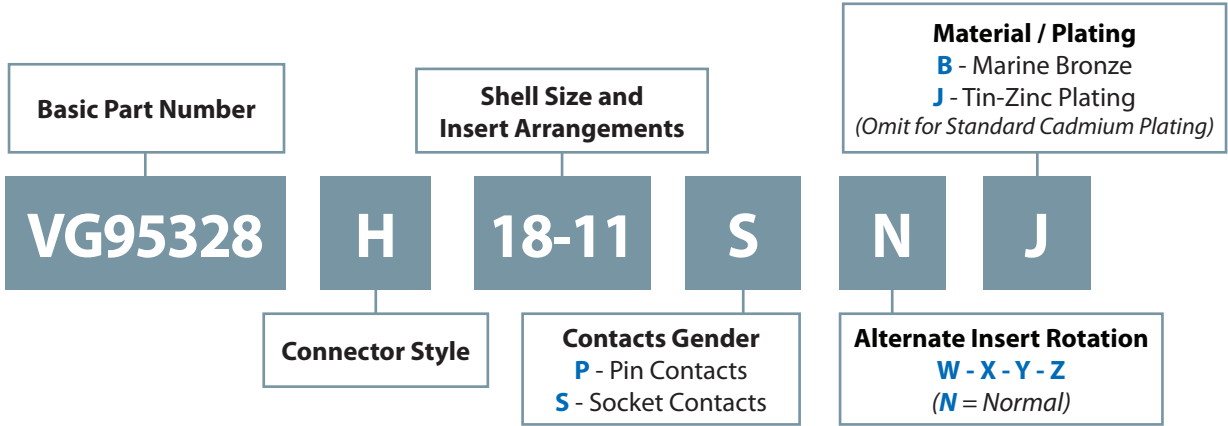


TABLE I: DIMENSIONS

Shell Size	B Max	D1 +0.8 -0.6	D2 Min	E ±0.15	L1 Max	L2 +0.8 -0	L3 Max	Max Weight (g)
8	21.03	11.2	2.9	15.08	24.9	10.94	2.0	7
10	24.23	14.3	2.9	18.26	24.9	10.94	2.0	10
12	26.59	17.5	2.9	20.62	24.9	10.94	2.0	20
14	28.98	20.7	2.9	23.01	24.9	10.94	2.0	20
16	31.34	23.9	2.9	24.61	24.9	10.94	2.0	28
18	33.73	27.0	2.9	26.97	24.9	10.94	2.0	34
20	36.90	30.2	2.9	29.36	30.4	14.12	2.8	43
22	40.08	33.4	2.9	31.75	30.4	14.12	2.8	55
24	43.25	36.6	3.6	34.92	30.4	14.96	2.8	70

*Through Mounting Holes

VG95328 H

Bayonet-Lock Front Panel Mount Square Flange Hermetic Receptacle with Solder Contacts



VG95328
Connectors

CONTACT ARRANGEMENTS

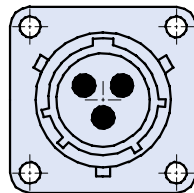
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

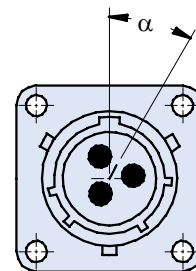
Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design

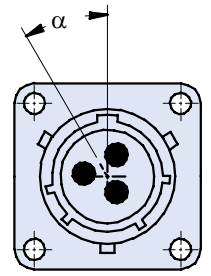
Class F, G and H hermetic versions not qualified to VG95328. Please consult factory for Glenair commercial equivalent MIL-DTL-26482 and VG95328 type hermetic connectors.



Normal Position



Alternate Position with Socket Contacts



Alternate Position with Pin Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	Glass
Stainless Steel Coupling Pins	SOLDER CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B1 for Panel Thickness and Cutout Dimensions

B



VG95328 J
Bayonet-Lock Straight Plug Connector
with Shrinkboot Backshell

B

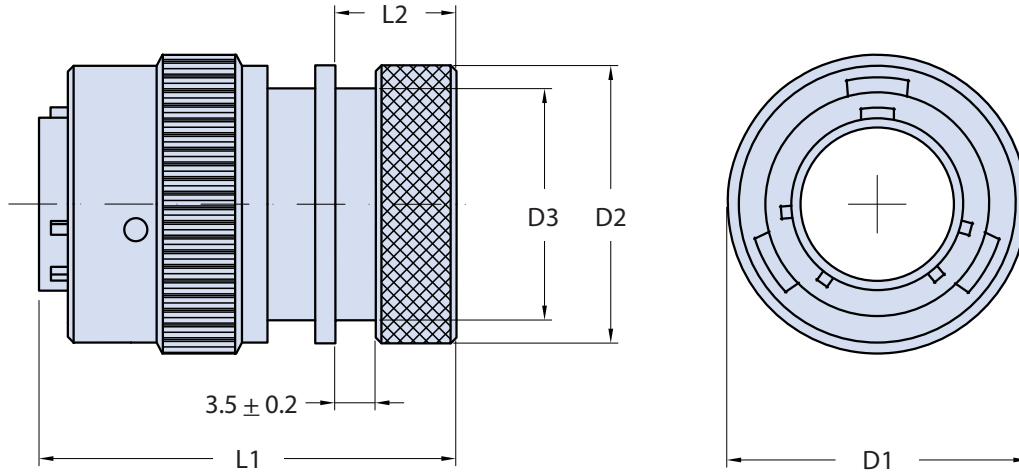
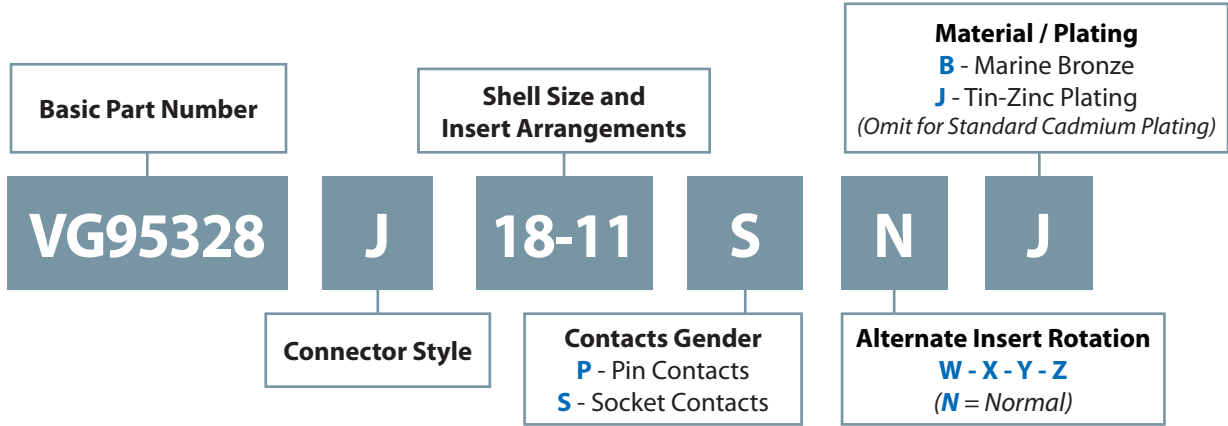


TABLE I: DIMENSIONS

Shell size	D1 Max.	D2 + 0 - 0.5	D3 + 0 - 0.5	L1 Max.	L2 ± 0.5	Maximum Weight in Grams
8	19.8	15.6	13.3	39	12.2	14
10	23.5	18.4	16.1	39	12.2	16
12	26.5	23.7	21.4	39	12.2	23
14	30.0	24.5	22.2	39	12.2	30
16	33.1	29.8	26.2	39	14.5	43
18	35.3	32.0	28.5	39	14.5	46
20	38.8	36.1	32.5	44	15.8	63
22	42.0	38.5	34.8	44	15.8	78
24	45.1	41.6	37.9	44	14.9	84

VG95328 J

Bayonet-Lock Straight Plug Connector with Shrinkboot Backshell



VG95328
Connectors

CONTACT ARRANGEMENTS

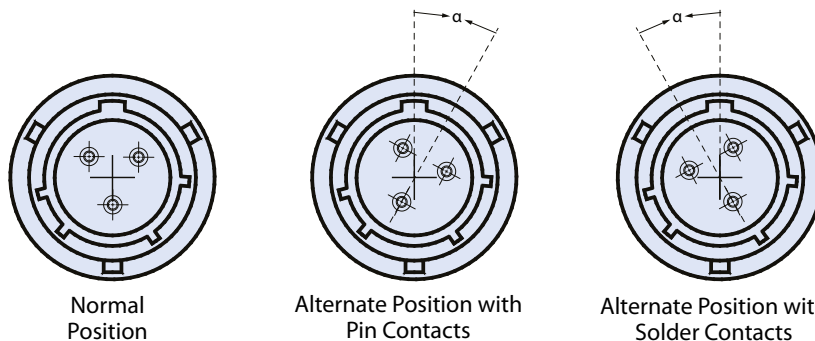
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

B

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good



VG95328 K
Bayonet-Lock Straight Plug Connector
with Cable Clamp and Bushing

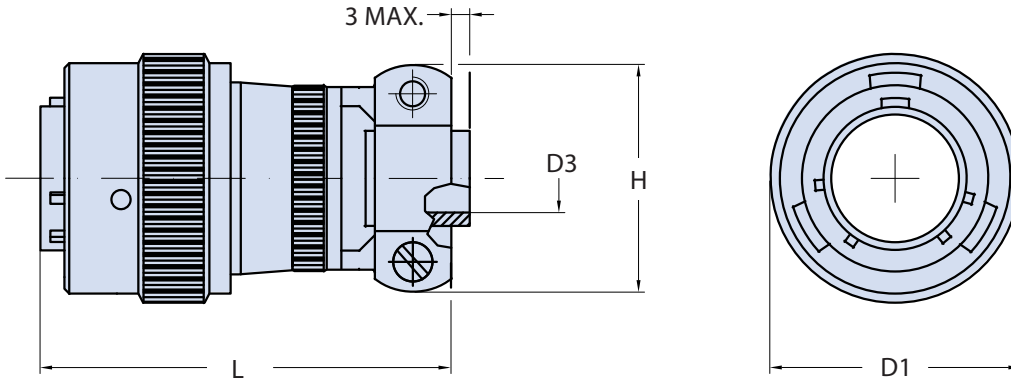
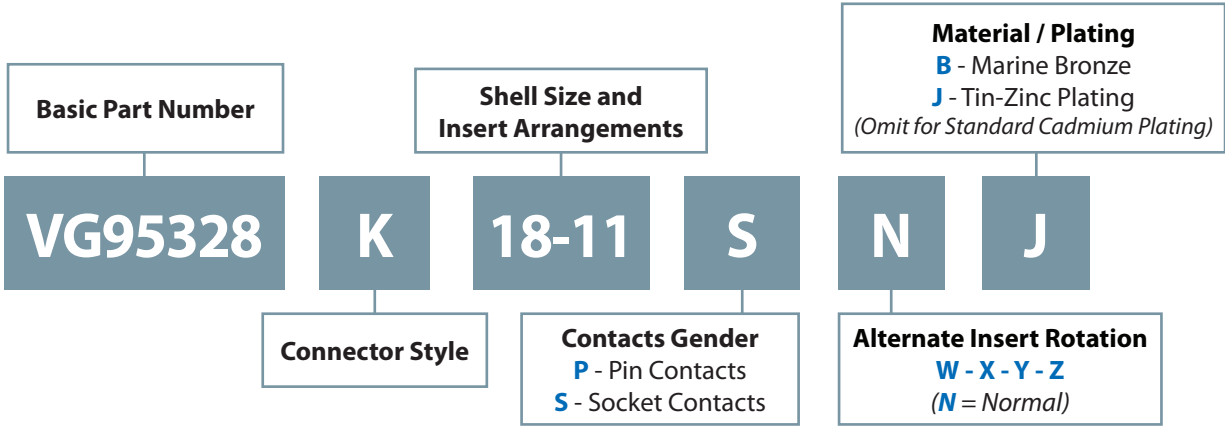


TABLE I: DIMENSIONS

Shell size	D1 Max.	D3 + 0.3 - 0.7	H Max.	L Max.	Maximum Weight in Grams
8	19.8	3.2	21.1	61.3	22
10	23.5	4.8	22.7	61.3	24
12	26.5	7.9	25.9	61.3	30
14	30.0	9.5	29.0	61.3	40
16	33.1	12.7	30.6	64.3	47
18	35.3	15.9	37.4	64.3	62
20	38.8	15.9	37.4	70.0	79
22	42.0	19.1	42.1	70.0	97
24	45.1	20.3	44.5	71.9	104

VG95328 K Bayonet-Lock Straight Plug Connector with Cable Clamp and Bushing



VG95328
Connectors

CONTACT ARRANGEMENTS

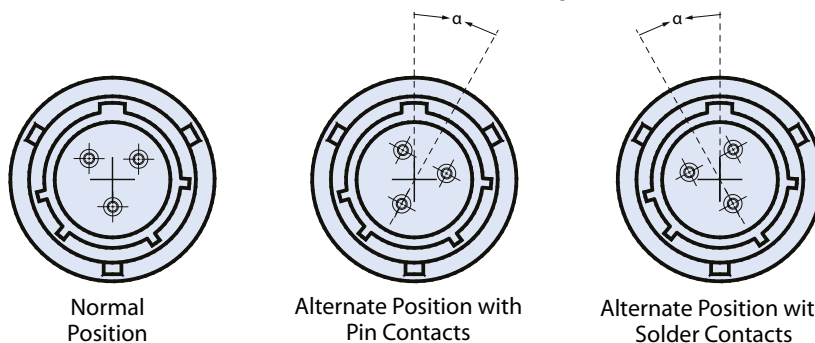
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

B

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

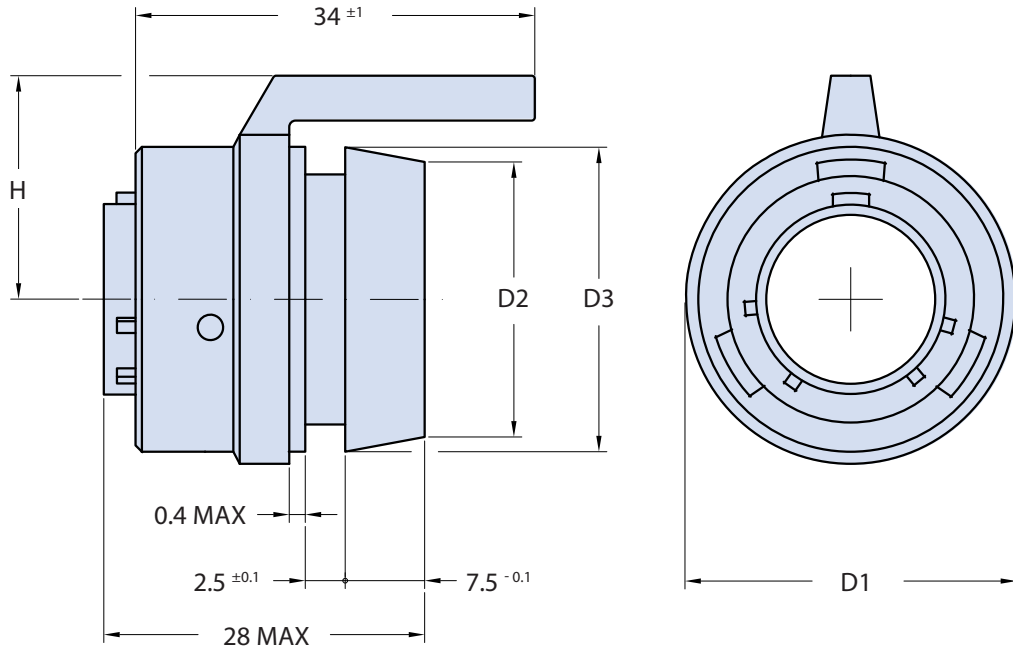
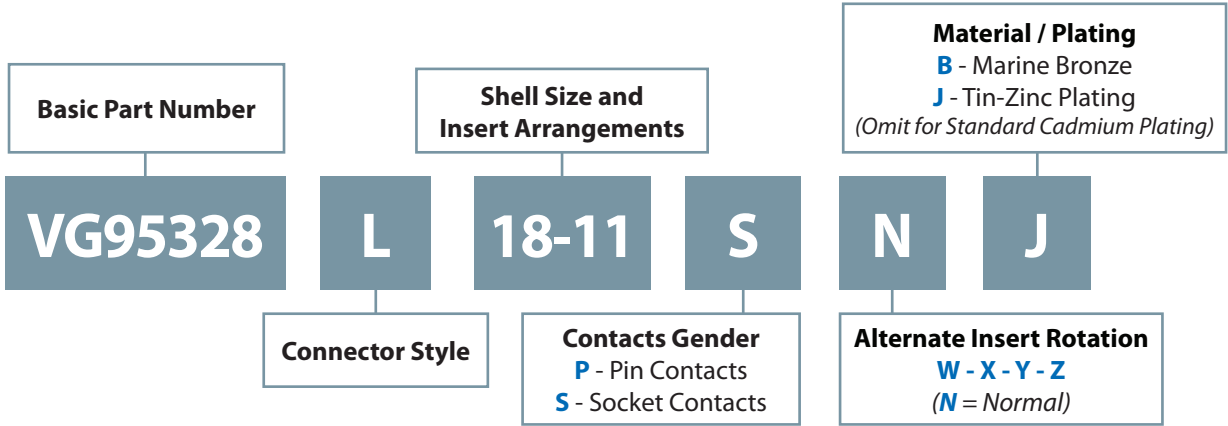
STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good



VG95328 L
Bayonet-Lock Straight Plug Connector with Thumb-Lock Lever
and Heat-Shrink Boot Backshell

B



Shell Size	D1 ± 1	D2 ± 0.5	D3 ± 0.5	H ± 1	Max Weight (g)
14	28	19.0	21	20	16
16	31	22.2	24	21	16

VG95328 L

Bayonet-Lock Straight Plug Connector with Thumb-Lock Lever and Heat-Shrink Boot Backshell



CONTACT ARRANGEMENTS

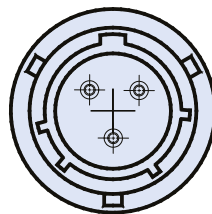
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

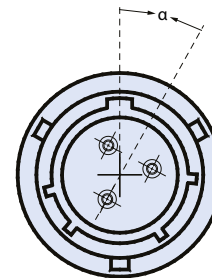
Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design

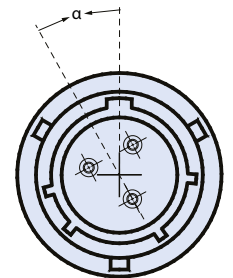
Class L, U, and W Thumb-Lock versions not qualified to VG95328. Please consult factory for Glenair commercial equivalent VG95328 type Thumb-Lock connectors



Normal Position



Alternate Position with Pin Contacts



Alternate Position with Solder Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good



VG95328 M
Bayonet-Lock Straight Plug Connector
with Ground-Fingers and EMI Shrink-Boot Backshell

B

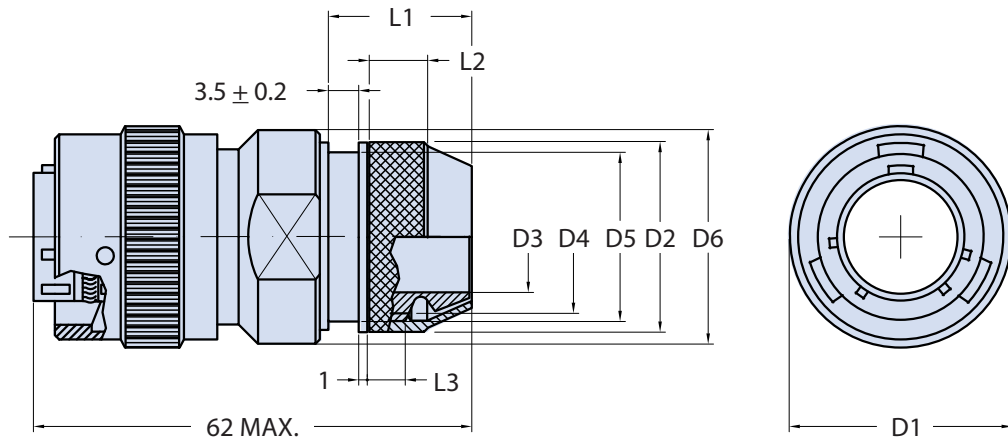
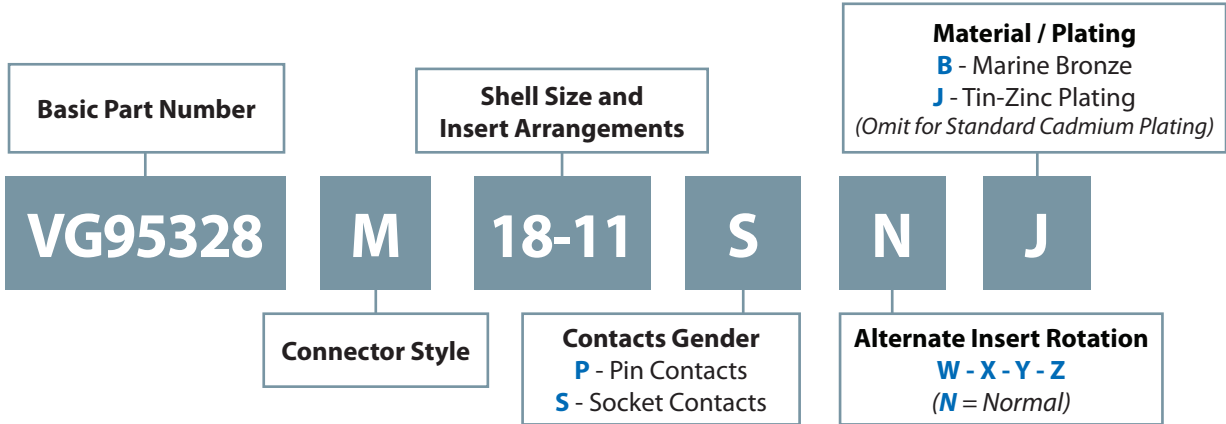


TABLE I: DIMENSIONS

Shell size	D1 Max.	D2 +0.5 -0	D3 Min.	D4	D5 +0 -1	D6 Max.	L1 +0 -2.5	L2 +1.5 -0	L3 Min.	Maximum Weight in Grams
8	19.8	16	6.6	M14 x 1	14.0	20	17	5	4	27
10	23.5	18	9.2	M16 x 1	16.0	23	17	5	4	29
12	26.5	22	12.2	M20 x 1	20.0	27	17	7	5	35
14	30.0	25	15.2	M23 x 1	23.0	30	18	8	6	45
16	33.1	28	18.3	M26 x 1	26.0	33	18	8	6	52
18	35.3	32	20.0	M30 x 1	28.5	36	18	10	6	67
20	38.8	34	23.0	M32 x 1	30.5	40	18	10	6	84
22	42.0	38	26.0	M36 x 1	34.5	43	18	10	6	102
24	45.1	41	28.8	M39 x 1	37.5	46	18	10	6	109

VG95328 M
Bayonet-Lock Straight Plug Connector
with Ground-Fingers and EMI Shrink-Boot Backshell



VG95328
Connectors

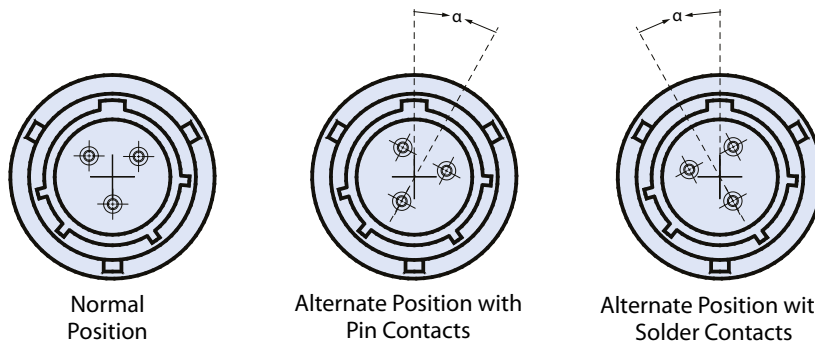
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH
(For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

B



VG95328 N
Bayonet-Lock Straight Plug Connector
with Backshell to Accommodate MS3057 Cable Clamp

B

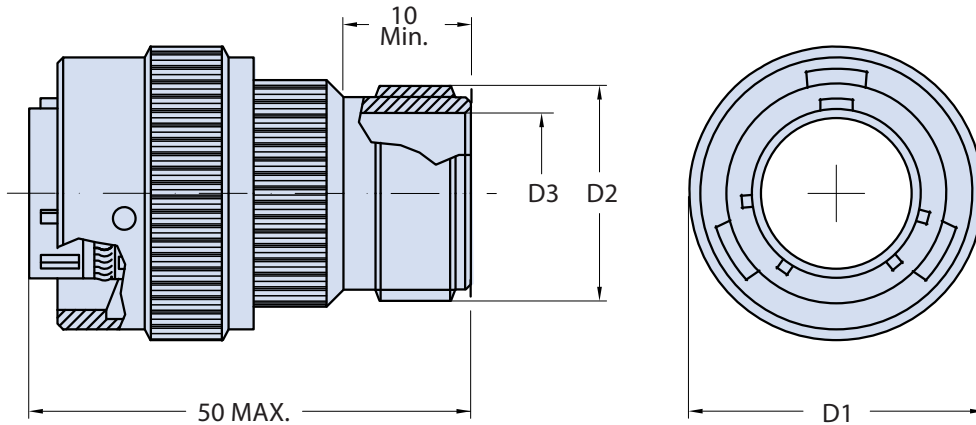
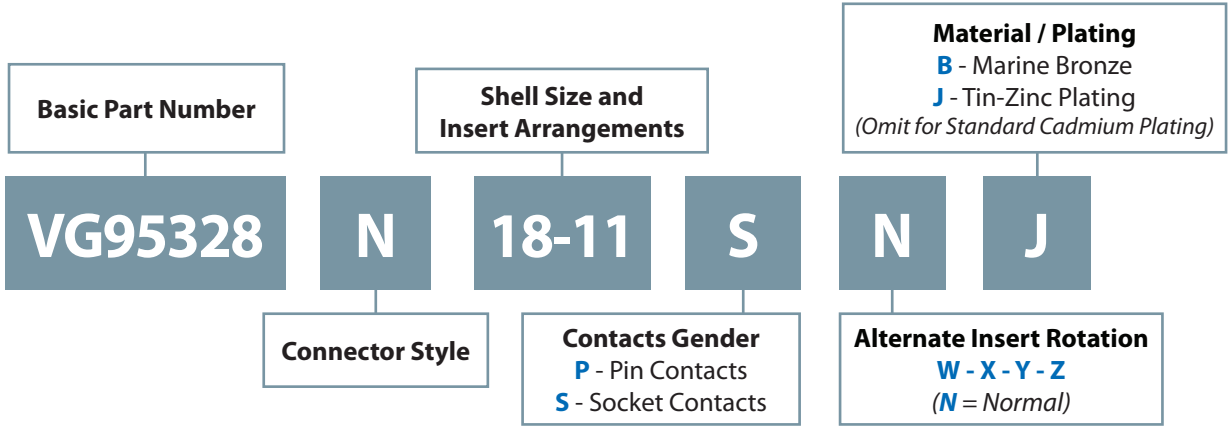


TABLE I: DIMENSIONS

Shell size	D1 Max.	D2	D3 Min.	Maximum Weight in Grams
8	19.8	0.5000 - 28UNEF	6.6	22
10	23.5	0.6250 - 24UNEF	9.2	22
12	26.5	0.7500 - 20UNEF	12.2	28
14	30.0	0.8750 - 20UNEF	15.2	38
16	33.1	1.0000 - 20UNEF	18.3	45
18	35.3	1.1875 - 18UNEF	20.0	60
20	38.8	1.1875 - 18UNEF	23.0	77
22	42.0	1.4375 - 18UNEF	26.0	95
24	45.1	1.4375 - 18UNEF	28.8	102

Cable Clamp Sold Separately

VG95328 N
Bayonet-Lock Straight Plug Connector
with Backshell to Accommodate MS3057 Cable Clamp



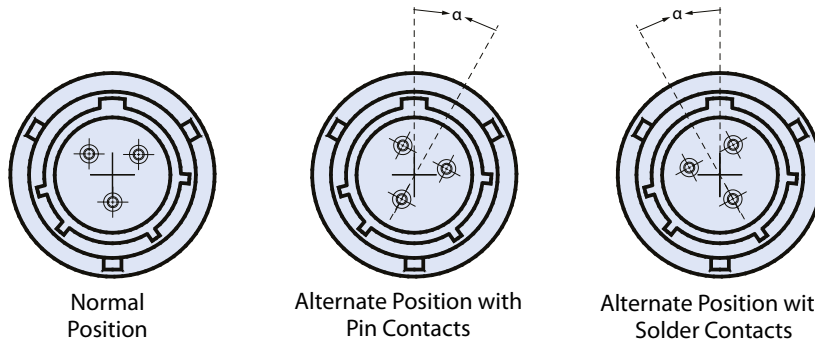
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH
(For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good



VG95328 P
Bayonet-Lock Rear Mount Square Flange Through Bulkhead Receptacle Pre-Assembled with Solid Contacts

B

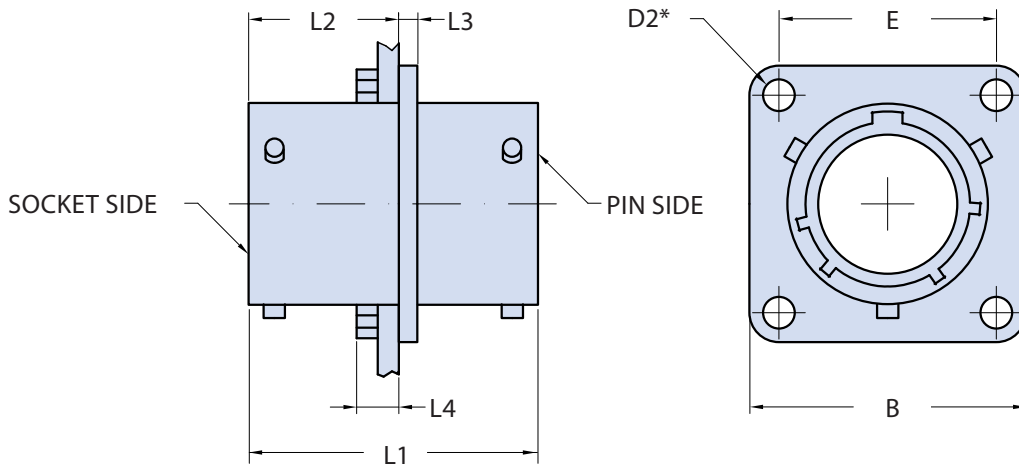
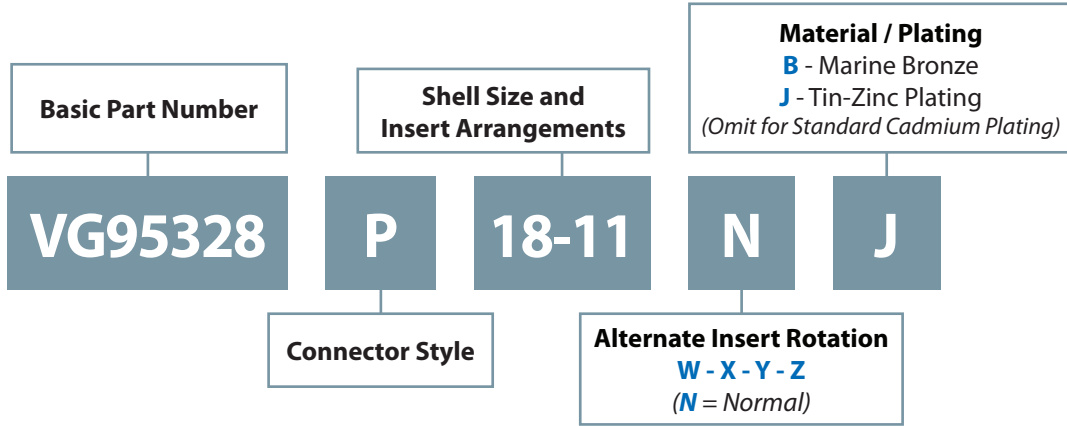


TABLE I: DIMENSIONS

Shell size	B Max.	D2 Min.	E ± 0.15	L1 Max.	L2 +0.79 -0	L3 ± 0.4	L4 Max.	Maximum Weight in Grams
8	21.03	2.9	15.08	29	14.27	1.57	5.54	10
10	24.23	2.9	18.26	29	14.27	1.57	5.54	11
12	26.59	2.9	20.62	29	14.27	1.57	5.54	14
14	28.98	2.9	23.01	29	14.27	1.57	5.54	16
16	31.34	2.9	24.61	29	14.27	1.57	5.54	18
18	33.73	2.9	26.97	29	14.27	1.57	5.54	21
20	36.90	2.9	29.36	36	17.47	2.39	8.74	25
22	40.08	2.9	31.75	36	17.47	2.39	8.74	29
24	43.25	3.6	34.92	36	17.47	2.39	7.90	31

* Through Mounting Holes

VG95328 P

Bayonet-Lock Rear Mount Square Flange Through Bulkhead
Receptacle Pre-Assembled with Solid Contacts



VG95328
Connectors

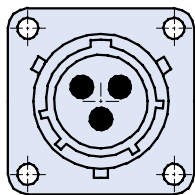
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

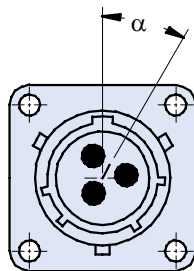
ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

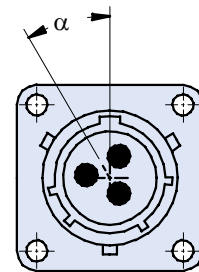
^a Not for new design



Normal Position



Alternate Position with Socket Contacts



Alternate Position with Pin Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	SOLID CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions

B



VG95328 R
Bayonet-Lock Front Panel Mount Square Flange Receptacle
with Backshell for EMI Shield Termination and Shrink Boot

B

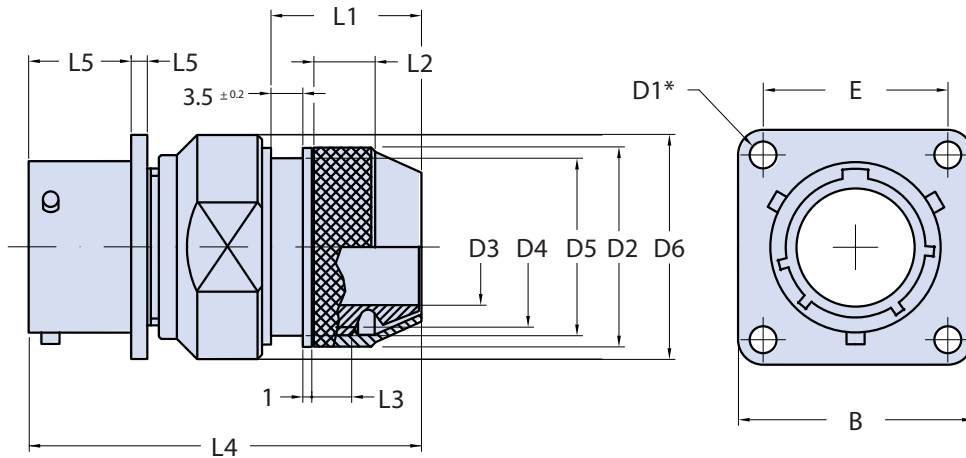
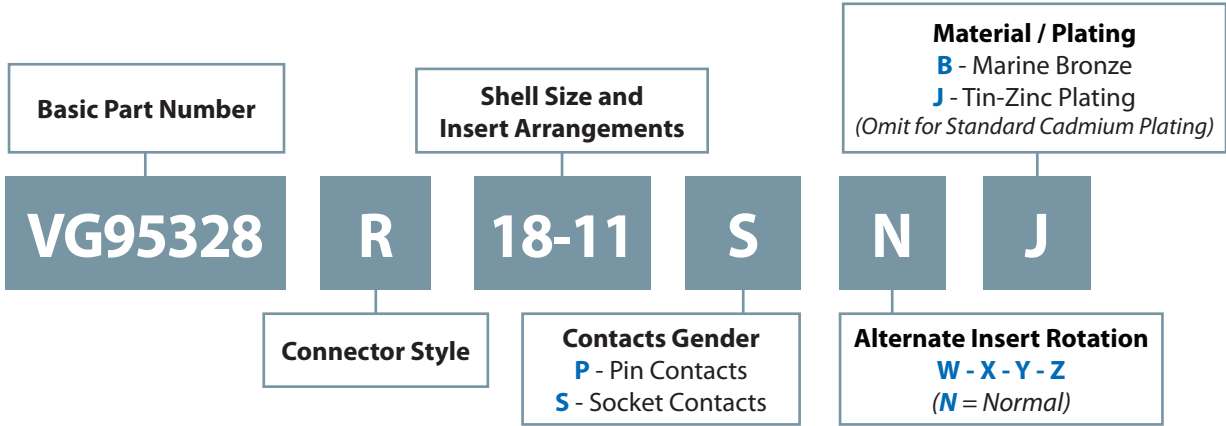


TABLE I: DIMENSIONS

Shell size	B Max.	D1 Min.	E ± 0.15	L1 +0 -2.5	L2 +1.5 -0	L3 Min.	L4 Max.	L5 +0.8 -0	L6 Max.	Maximum Weight in Grams
8	21.03	2.9	15.08	17	5	4	54	10.94	2.0	26
10	24.23	2.9	18.26	17	5	4	54	10.94	2.0	32
12	26.59	2.9	20.62	17	7	5	54	10.94	2.0	38
14	28.98	2.9	23.01	18	8	6	54	10.94	2.0	44
16	31.34	2.9	24.61	18	8	6	54	10.94	2.0	49
18	33.73	2.9	26.97	18	10	6	54	10.94	2.0	60
20	36.90	2.9	29.36	18	10	6	62	14.12	2.8	70
22	40.08	2.9	31.75	18	10	6	62	14.12	2.8	73
24	43.25	3.6	34.92	18	10	6	62	14.96	2.8	87

For backshell dimensions D2, D3, D4, D5, D6, please refer to VG95328 M TABLE I: DIMENSIONS at Page B-24

* Through Mounting Holes

VG95328 R

Bayonet-Lock Front Panel Mount Square Flange Receptacle
with Backshell for EMI Shield Termination and Shrink Boot



VG95328
Connectors

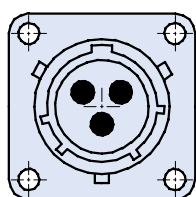
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

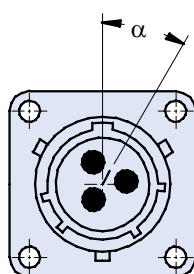
ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

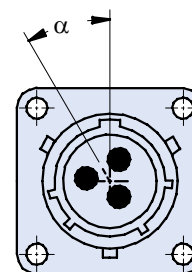
^a Not for new design



Normal Position



Alternate Position
with Socket Contacts



Alternate Position
with Pin Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions

B



VG95328 S

Bayonet-Lock Rear Panel Mount Jam Nut Receptacle Connector with Shrinkboot Backshell

B

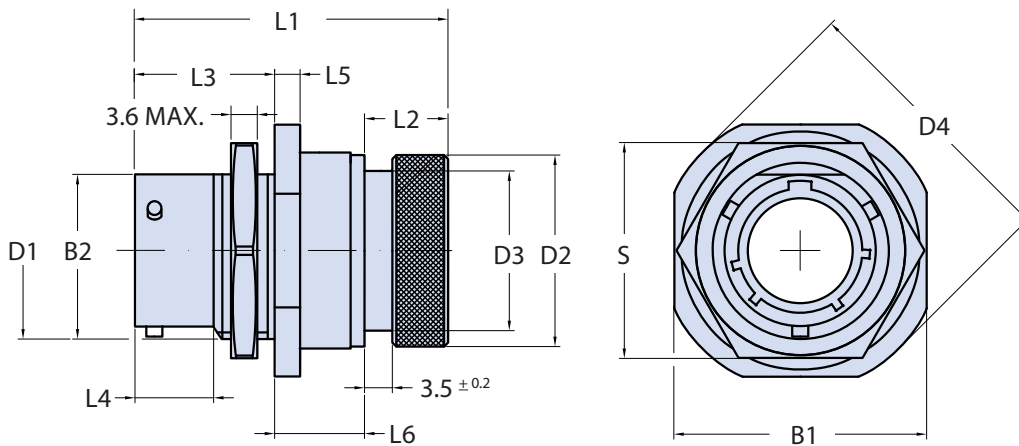
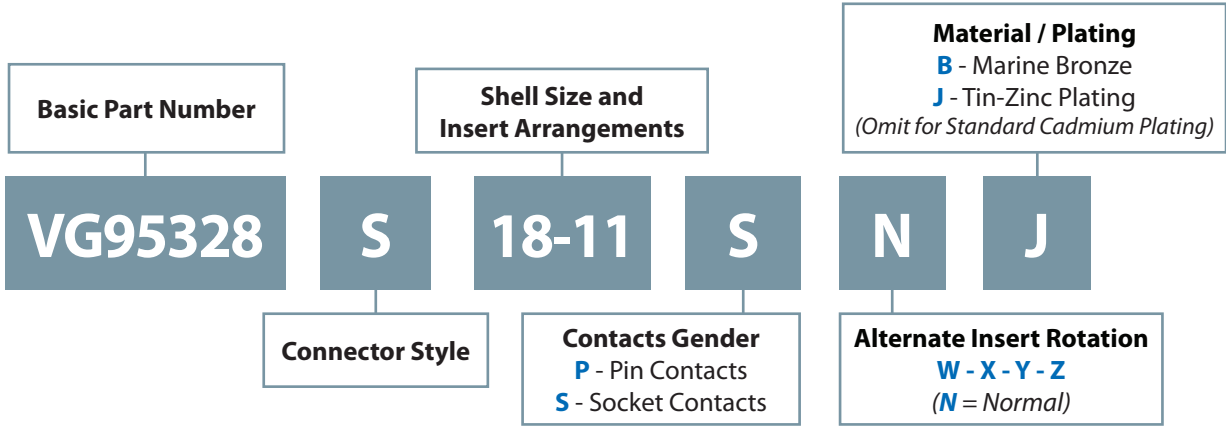


TABLE I: DIMENSIONS

Shell size	B1 Max.	B2 +0 -0.25	D1	D4 +0 -0.8	L1 Max.	L3 +0.8 -0	L4 Min.	L5 ± 0.5	L6 ± 0.8	S ± 0.43	Maximum Weight in Grams
8	24.3	13.46	0.5625-24UNEF	27.3	43.0	17.5	9.75	3.0	12.6	19.05	20
10	27.4	16.46	0.6875-24UNEF	30.5	43.0	17.5	9.75	3.0	12.6	22.23	23
12	32.2	20.78	0.8750-20UNEF	35.3	43.0	17.5	9.75	3.0	12.6	26.97	30
14	35.4	23.93	1.0000-20UNEF	38.5	43.0	17.5	9.75	3.0	12.6	30.18	40
16	38.6	27.08	1.1250-18UNEF	41.6	45.5	17.5	9.75	3.0	12.6	33.32	50
18	41.7	30.25	1.2500-18UNEF	44.8	45.5	17.5	9.75	3.0	12.6	36.53	60
20	46.5	33.43	1.3750-18UNEF	49.6	53.5	22.3	11.32	3.8	13.7	39.67	80
22	49.7	36.60	1.5000-18UNEF	52.7	53.5	22.3	11.32	3.8	13.7	42.88	85
24	52.8	39.78	1.6250-18UNEF	55.9	53.5	23.1	12.16	3.8	14.0	46.02	90

Single Hole Mounting

VG95328 S

Bayonet-Lock Rear Panel Mount Jam Nut Receptacle Connector with Shrinkboot Backshell



VG95328
Connectors

CONTACT ARRANGEMENTS

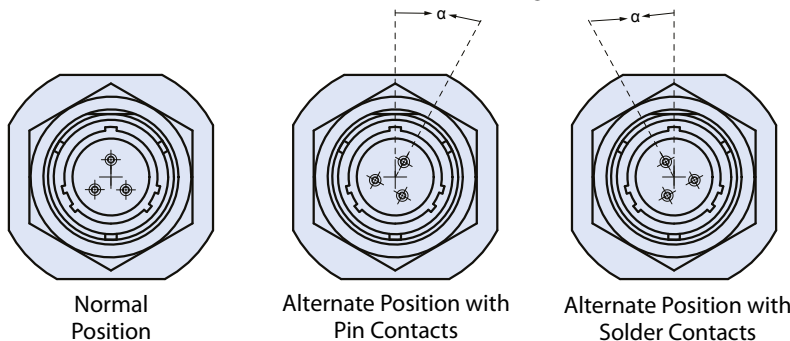
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

B

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions



VG95328 T

Bayonet-Lock Rear Panel Mount Jam Nut Receptacle
with Backshell for EMI Shield Termination and Shrink Boot

B

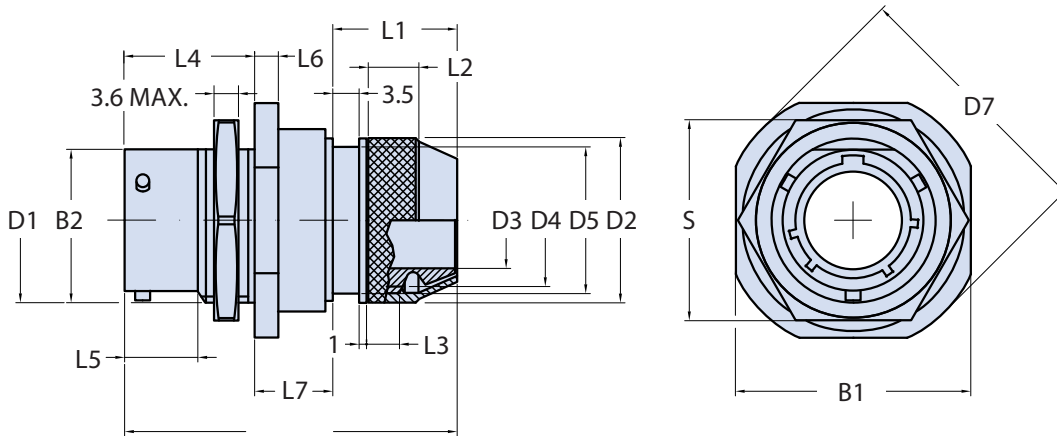
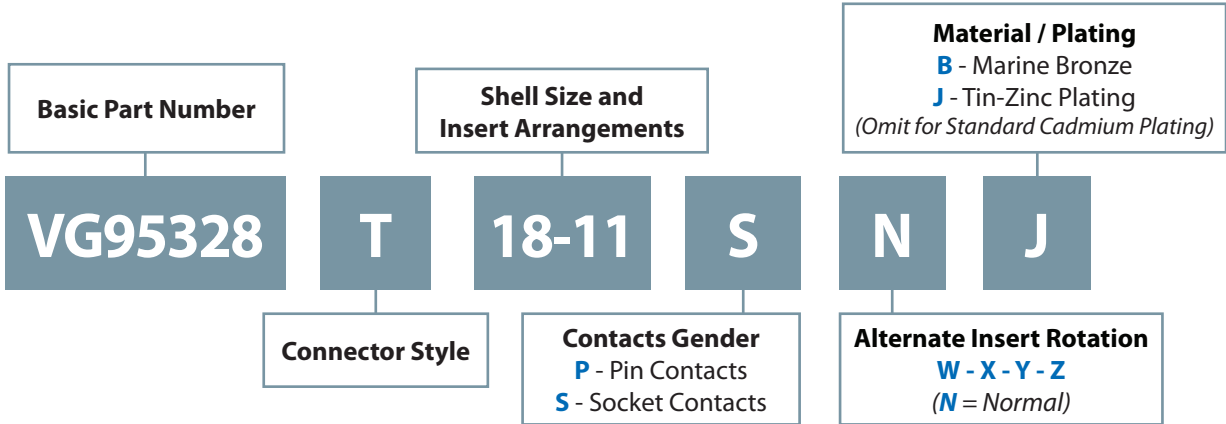


TABLE I: DIMENSIONS

Shell size	B1 Max.	B2 +0 -0.25	D1	D7 +0 -0.8	L4 +0.8 -0	L5 Min.	L6 ±0.5	L7 ±0.8	S ±0.43	Maximum Weight in Grams
8	24.3	13.46	.5625 - 24 UNEF	27.3	17.5	9.75	3.0	12.6	19.05	30
10	27.4	16.64	.6875 - 24 UNEF	30.5	17.5	9.75	3.0	12.6	22.23	35
12	32.2	20.78	.8750 - 20 UNEF	35.3	17.5	9.75	3.0	12.6	26.97	45
14	35.4	23.93	1.0000 - 20 UNEF	38.5	17.5	9.75	3.0	12.6	30.18	55
16	38.6	27.08	1.1250 - 18 UNEF	41.6	17.5	9.75	3.0	12.6	33.32	65
18	41.7	30.25	1.2500 - 18 UNEF	44.8	17.5	9.75	3.0	12.6	36.53	80
20	46.5	33.43	1.3750 - 18 UNEF	49.6	22.3	11.32	3.8	13.7	39.67	105
22	49.7	36.60	1.5000 - 18 UNEF	52.7	22.3	11.32	3.8	13.7	42.88	115
24	52.8	39.78	1.6250 - 18 UNEF	55.9	23.1	12.16	3.8	14.0	46.02	125

For D2, D3, D4, D5, D6, L1, L2, and L3 Dimensions - Please See VG95328 M

Single Hole Mounting

VG95328 T

Bayonet-Lock Rear Panel Mount Jam Nut Receptacle with Backshell for EMI Shield Termination and Shrink Boot



VG95328
Connectors

CONTACT ARRANGEMENTS

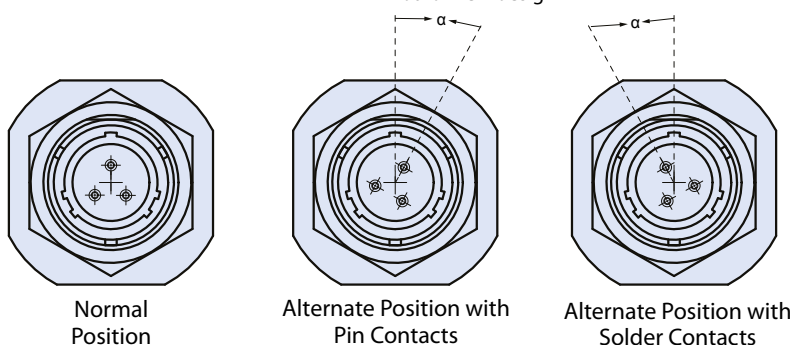
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

B

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

See Page B-1 for Panel Thickness and Cutout Dimensions



VG95328 U
Bayonet-Lock Straight Plug Connector with Thumb-Lock Lever,
Grounding-Fingers and EMI/Shrinkboot Backshell

B

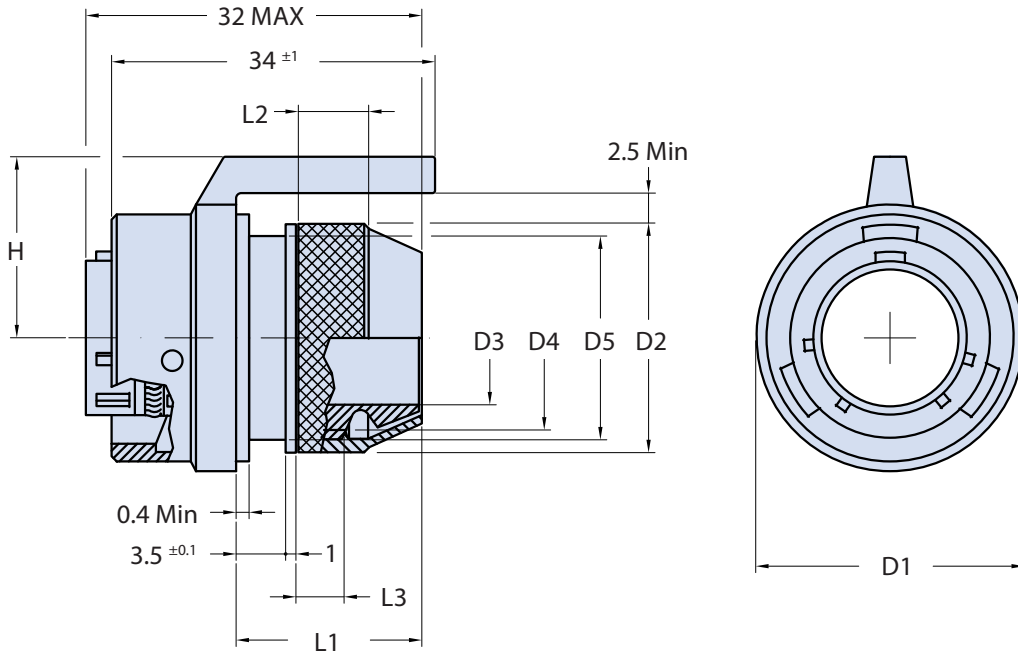
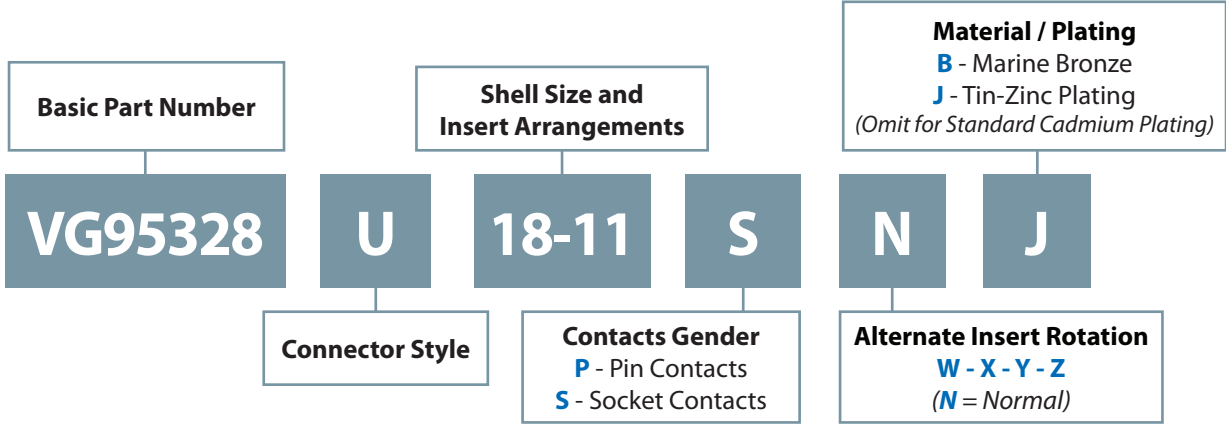


TABLE I: DIMENSIONS

Shell Size	D1 ± 1	H ± 1	Max Weight (g)
12	24	19	18
14	28	20	20
16	31	21	22

VG95328 U

Bayonet-Lock Straight Plug Connector with Thumb-Lock Lever, Grounding-Fingers and EMI/Shrinkboot Backshell



CONTACT ARRANGEMENTS

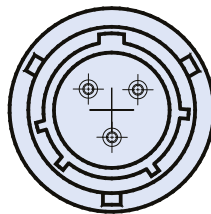
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

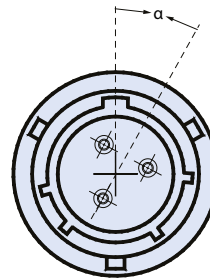
Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design

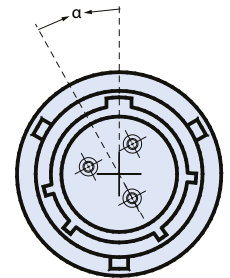
Class L, U, and W Thumb-Lock versions not qualified to VG95328. Please consult factory for Glenair commercial equivalent VG95328 type Thumb-Lock connectors



Normal Position



Alternate Position with Pin Contacts



Alternate Position with Solder Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good



VG95328 V
Bayonet-Lock Straight Plug Connector
with Ground-Fingers and EMI/Shrinkboot Backshell

B

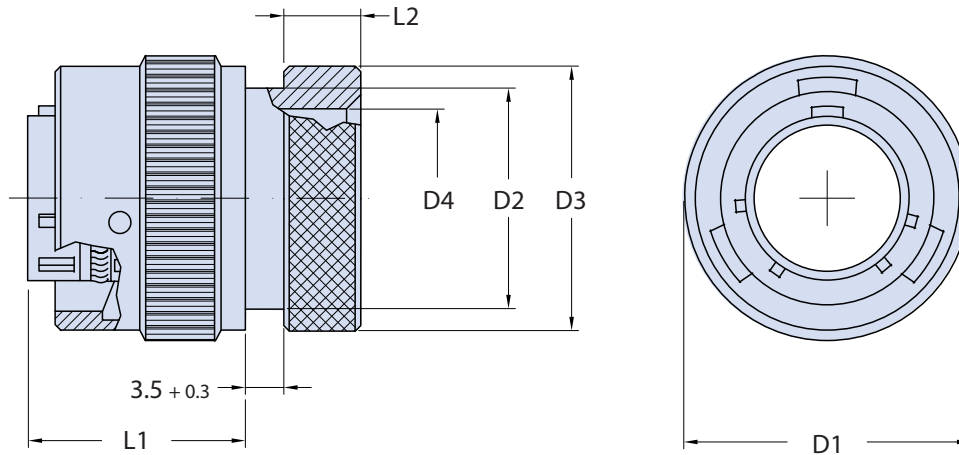
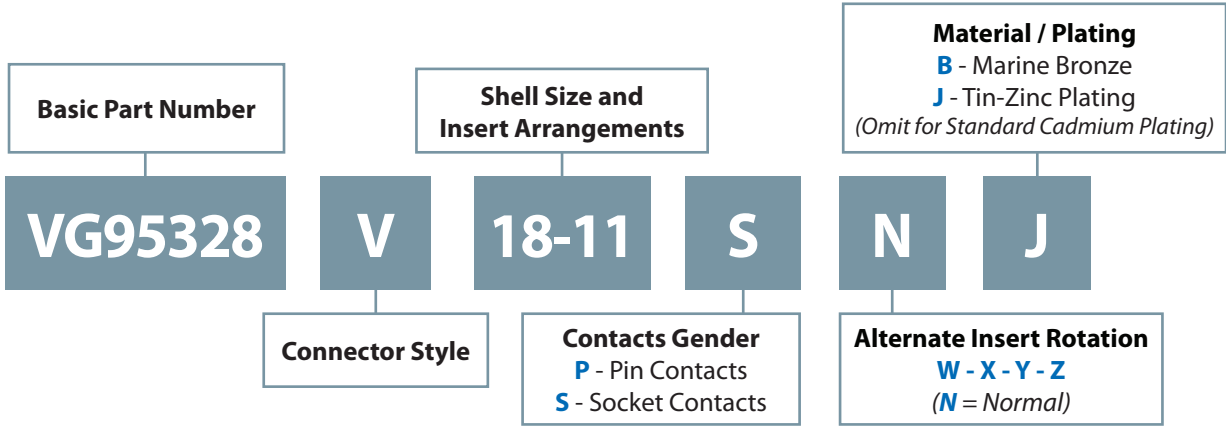


TABLE I: DIMENSIONS

Shell size	D1 Max.	D2 + 0.15 - 0	D3		D4		L1 Max.	L2 Min.	Maximum Weight in Grams
				Limit		Limit			
8	19.8	9.40	13.8	-2.00	7.0	+2.5	23	6.5	14
10	23.5	12.60	16.6	-1.60	10.4	+2.1	23	6.5	16
12	26.5	15.75	19.8	-1.65	13.9	+1.7	23	6.5	23
14	30.0	18.40	23.0	-2.20	16.5	+2.2	23	6.5	30
16	33.1	21.60	26.2	-2.20	19.7	+2.1	23	6.5	43
18	35.3	24.40	29.0	-2.20	22.3	+2.4	23	8.5	46
20	38.8	26.00	32.3	-2.30	25.5	+2.4	28	8.5	63
22	42.0	29.40	36.6	-2.20	28.7	+2.4	28	8.5	78
24	45.1	32.50	39.8	-3.30	31.8	+2.5	28	8.5	84

VG95328 V
Bayonet-Lock Straight Plug Connector
with Ground-Fingers and EMI/Shrinkboot Backshell



VG95328
Connectors

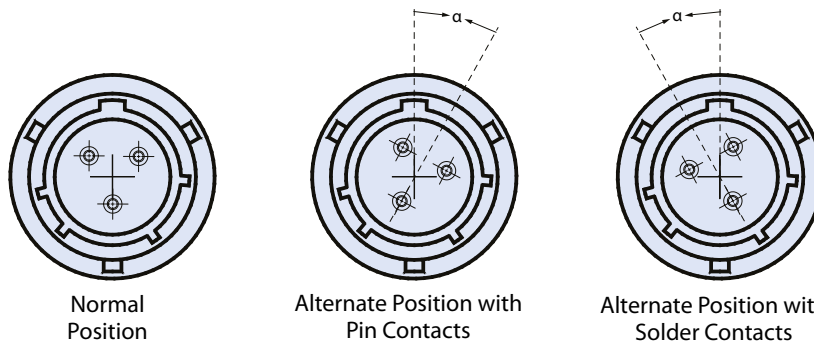
CONTACT ARRANGEMENTS

Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design



MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH
 (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good

B



VG95328 W
Bayonet-Lock Straight Plug Connector with Thumb-Lock Lever,
Grounding-Fingers and EMI/Shrinkboot Backshell

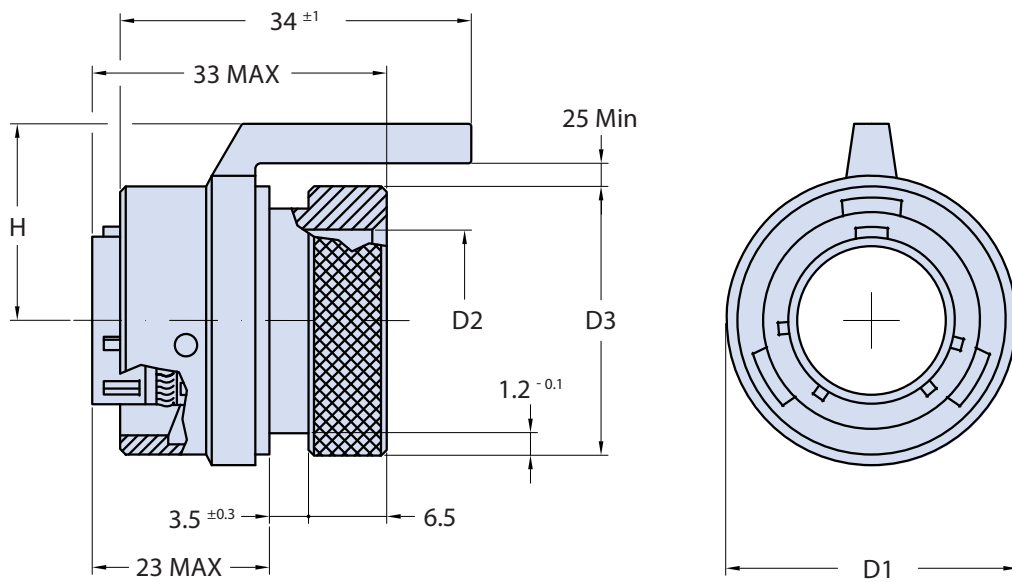
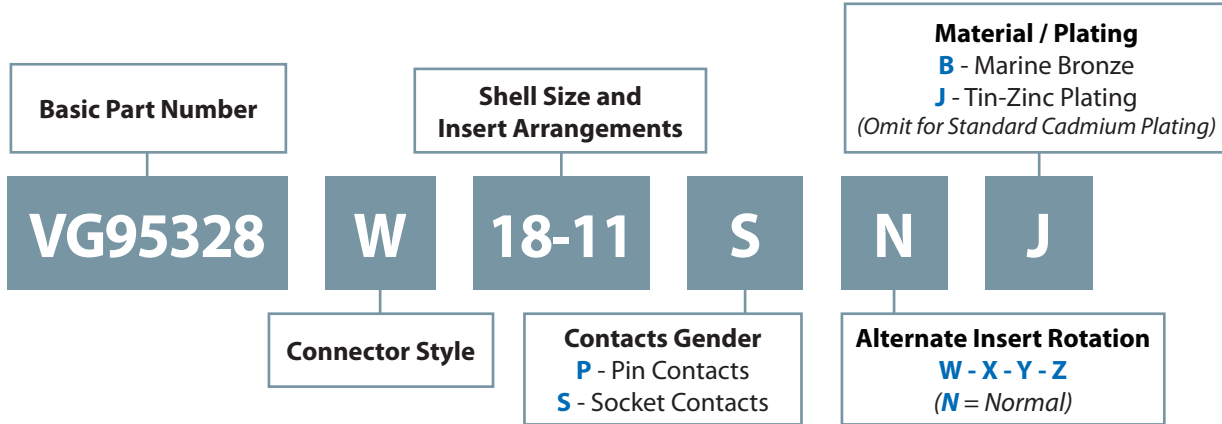


TABLE I: DIMENSIONS

Shell Size	D1 ± 1	D2 ± 0.5	D3 ± 0.5		H ± 1	Max Weight (g)
				Limit		
12	24	14.0	19.8	-1.65	18	16
14	28	17.1	23.0	-2.20	20	18
16	31	20.3	26.2	-2.20	21	20

VG95328 W

Bayonet-Lock Straight Plug Connector with Thumb-Lock Lever, Grounding-Fingers and EMI/Shrinkboot Backshell



CONTACT ARRANGEMENTS

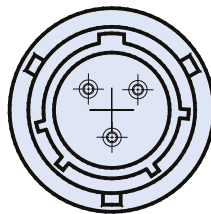
Arrangement	Cl. Isol. Rating	Dim. contact size	
		20	16
8 - 3A	I	3	
10 - 6	I	6	
12 - 3	II		3
12 - 10	I	10	
14 - 5	II		5
14 - 12	I	8	4
14 - 15	I	14	1
14 - 19	I	19	
16 - 8	II		8
16 - 23	I	22	1
16 - 26	I	26	
18 - 11	II		11
18 - 32	I	32	
20 - 16	II		16
20 - 39	I	37	2
20 - 41	I	41	
22 - 21	II		21
22 - 55	I	55	
24 - 61	I	61	

ALTERNATE INSERT ORIENTATIONS

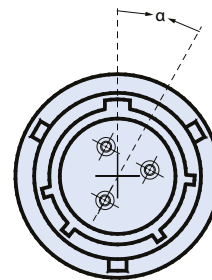
Arrangement	Degrees			
	W	X	Y	Z
8 - 3A	60	210 ^a		
10 - 6	90			
12 - 3			180	
12 - 10	60	155	270	295
14 - 5	40	92	184	273
14 - 12	43	90		
14 - 15	17	110	155	234
14 - 19	30	165	315	
16 - 8	54	152	180	331
16 - 23	158	270		
16 - 26	60		275	338
18 - 11	62	119	241	340
18 - 32	85	138	222	265
20 - 16	238	318	333	347
20 - 39	63	114	252	333
20 - 41	45	126	225	
22 - 21	16	135	175	349
22 - 55	30	142	226	314
24 - 61	90	180	270	324

^a Not for new design

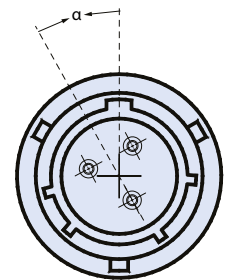
Class L, U, and W Thumb-Lock versions not qualified to VG95328. Please consult factory for Glenair commercial equivalent VG95328 type Thumb-Lock connectors



Normal Position



Alternate Position with Pin Contacts



Alternate Position with Solder Contacts

MATERIALS

SHELLS	INSERTS (Temperature Range)
Aluminum Alloy IAW QQ-A-591 Shells	High Insulation Synthetic Rubber (Chloroprene): -55°C/+125°C
Stainless Steel Coupling Pins	CRIMP CONTACTS
Stainless Steel Spring	Copper Alloy with Gold Plating Over Nickel

STANDARD FINISH (For QQ-A-591 Aluminum Shells)

Requirements	Cadmium with Olive Drab Passivation IAW QQ-P-416
Thermal Shock	-55°C + 125°C
Salt Spray After Thermal Shock	500 hour
Electical Conductivity	Very Good
Abrasion Resistance	Very Good



VG95328 Z1 A, B, and C
Receptacle Covers for Panel Attachment
For Connectors A to H and P, R, S and T Only

Receptacle Cover

Shell Size

VG95328

Z1

A

18

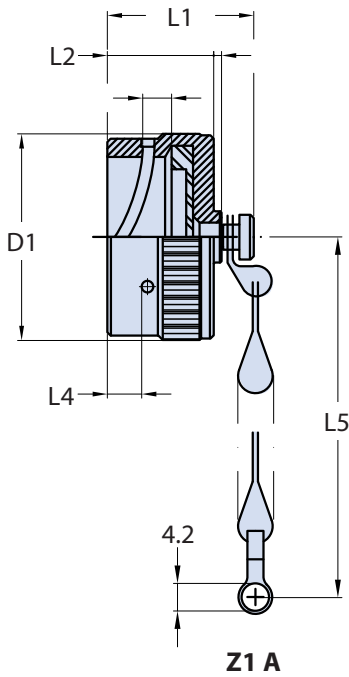
J

Lanyard Style

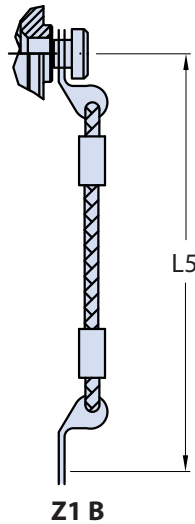
- A** - Chain with Eyelet
- B** - Rope with Eyelet
- C** - Rope Sans Eyelet

Material / Plating

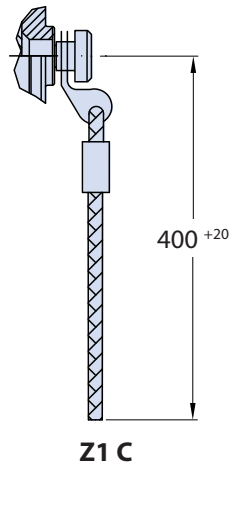
- B** - Marine Bronze
 - J** - Tin-Zinc Plating
- (Omit for Standard Cadmium Plating)*



Z1 A



Z1 B



Z1 C

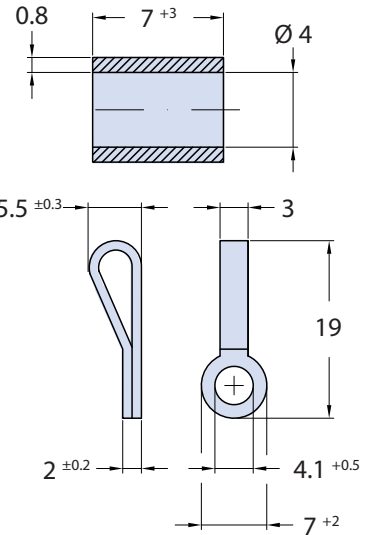


TABLE I: DIMENSIONS

Shell size	D1 Max.	L1 Max.	L2 Max.	L3 + 0.25 - 0.38	L4 Max.	L5 + 13 - 7	Maximum Weight in Grams
8	18.7	21.5	14.3	2.92	3.78	77	17
10	21.9	21.5	14.3	2.92	3.78	77	17
12	25.4	21.5	14.3	2.92	3.78	89	25
14	28.6	21.5	14.3	2.92	3.78	89	25
16	31.8	21.5	14.3	2.92	3.78	89	29
18	35.0	21.5	14.3	2.92	3.78	89	29
20	38.1	21.5	14.3	2.92	3.78	102	33
22	41.3	21.5	14.3	2.92	3.78	102	36
24	44.5	22.3	15.3	3.73	2.21	102	42

VG95328 Z2 A, B, and C
 Plug Covers for Connectors J to N and U, V and W Only



VG95328
 Accessories

Receptacle Cover

Shell Size

VG95328

Z2

A

18

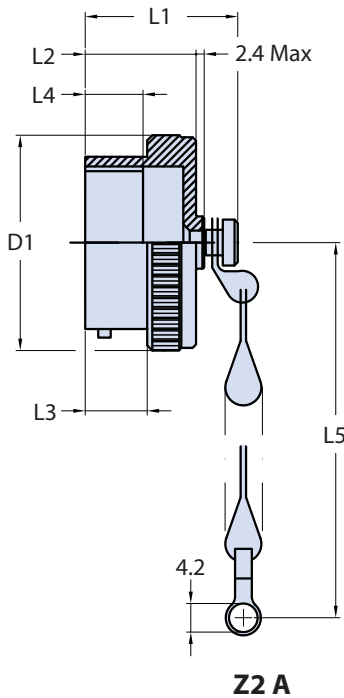
J

Lanyard Style

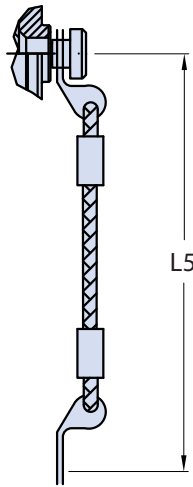
- A - Chain with Eyelet
- B - Rope with Eyelet
- C - Rope Sans Eyelet

Material / Plating

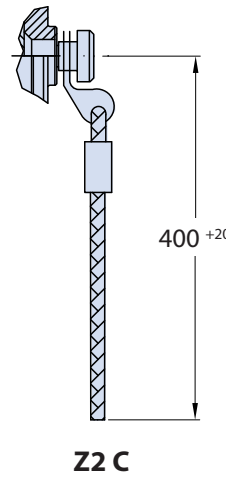
- B - Marine Bronze
 - J - Tin-Zinc Plating
- (Omit for Standard Cadmium Plating)



Z2 A



Z2 B



Z2 C

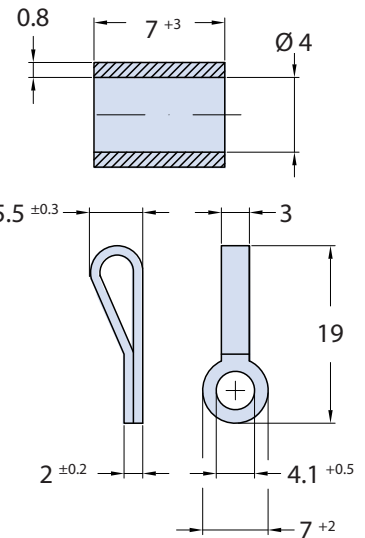


TABLE I: DIMENSIONS

Shell size	D1 Max.	L1 Max.	L2 Max.	L3 + 0.8 - 0	L4 + 0.25 - 0.5	L5 + 13 - 7	Maximum Weight in Grams
8	18.3	19.9	14.3	9.35	8.3	77	17
10	21.5	19.9	14.3	9.35	8.3	77	17
12	25.4	19.9	14.3	9.35	8.3	89	21
14	28.6	19.9	14.3	9.35	8.3	89	24
16	31.8	19.9	14.3	9.35	8.3	89	27
18	35.0	19.9	14.3	9.35	8.3	89	31
20	38.1	21.5	15.9	10.92	9.9	102	36
22	41.3	21.5	15.9	10.92	9.9	102	40
24	44.5	22.3	16.7	11.76	9.9	102	43

VG95328 Z3 C
Receptacle Cover For Cable Attachment
For Connectors D, E, F, S and T Only

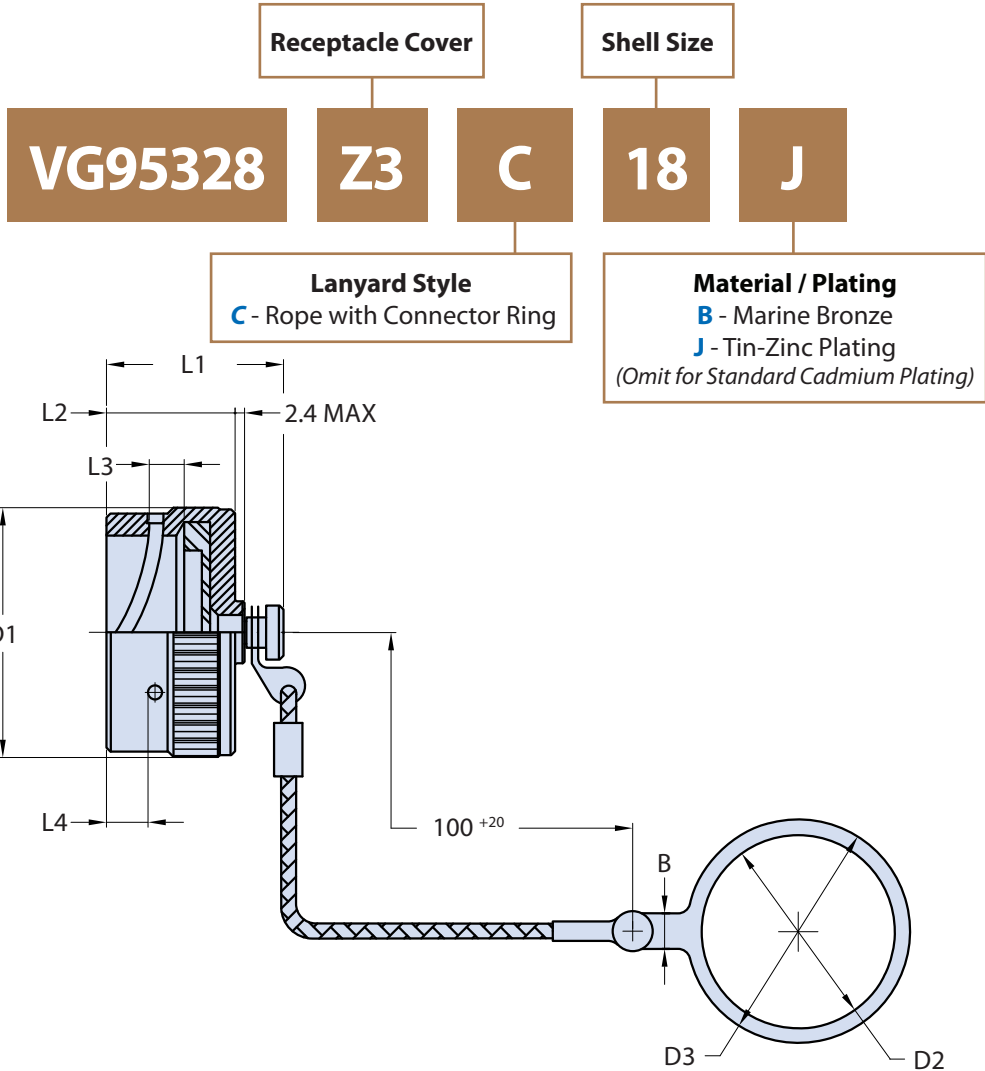


TABLE I: DIMENSIONS

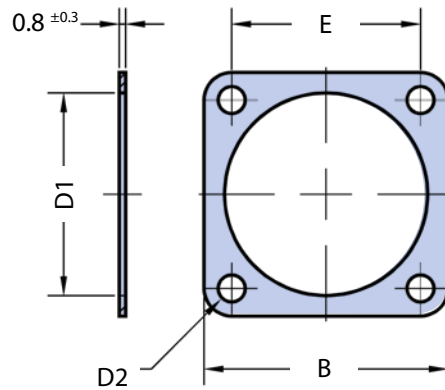
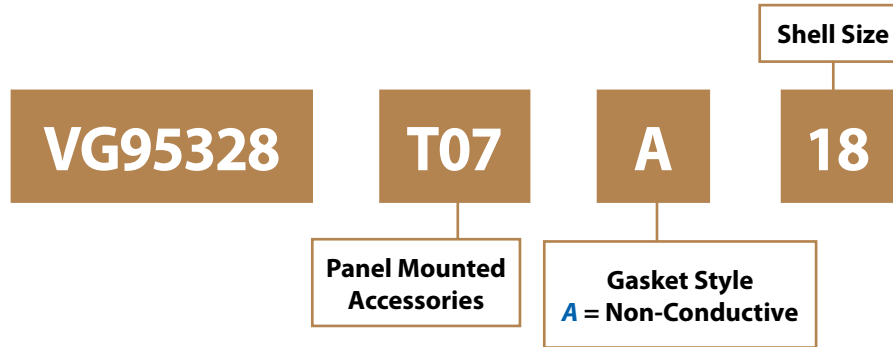
Shell size	B Min.	D2 Min.	D3 Max.	Maximum Weight in Grams
8	5.94	14.68	20.62	17
10	5.94	17.86	25.40	17
12	5.94	22.63	30.18	25
14	5.94	25.81	36.53	25
16	5.94	28.98	39.67	29
18	5.94	32.16	42.88	29
20	5.94	35.33	46.02	33
22	5.94	38.51	49.23	36
24	5.94	41.68	52.37	42

See Page C-1 for L1, L2, L3, L4 and D1 Dimensions

VG95328 T07 A
Non-Conductive Gaskets
 For Connectors A, B, C, H, P and R Only



VG95328
Accessories



VG95328 T07 A
Non-Conductive

TABLE I: DIMENSIONS

Shell size	B Max.	D1 + 1 - 0	D2 Min.	E ± 0.3	Maximum Weight in Grams
8	22.7	12.7	3.1	15.1	2
10	25.8	15.9	3.1	18.3	2
12	28.2	19.0	3.1	20.6	2
14	30.6	22.2	3.1	23.0	2
16	33.0	25.4	3.1	24.6	2
18	35.4	28.6	3.1	27.0	2
20	38.5	31.7	3.1	29.4	2
22	41.7	34.9	3.1	31.8	2
24	44.9	38.1	4.2	34.9	2



VG95328 T07 C
Dummy Storage Receptacle
Closed Back

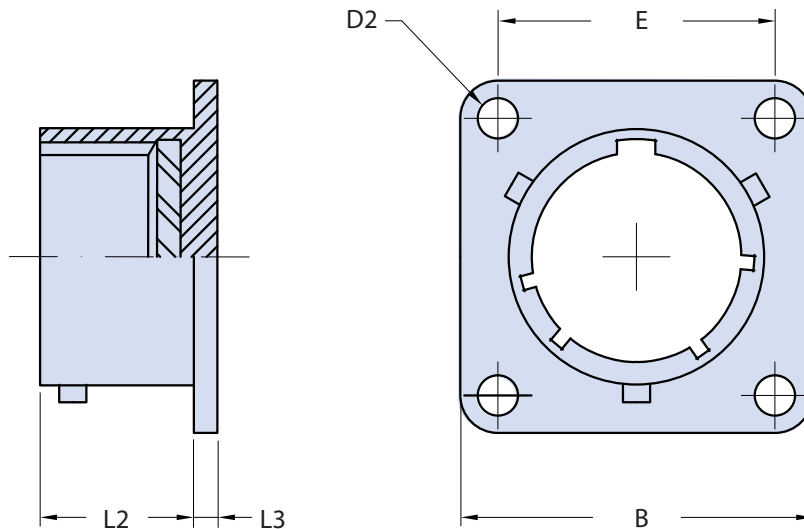
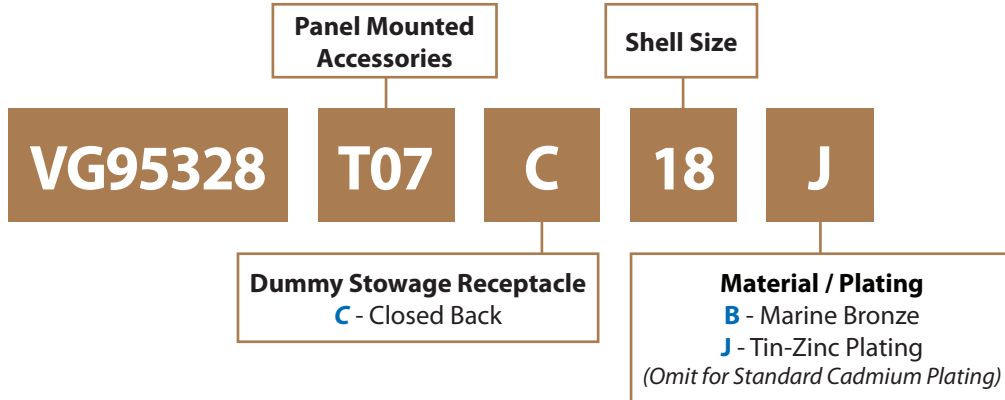


TABLE I: DIMENSIONS

Shell size	B Max.	D2 Min.	E ± 0.15	L2 Max.	L3 Max.	Maximum Weight in Grams
8	21.03	2.9	15.08	12.5	2.0	8
10	24.23	2.9	18.26	12.5	2.0	10
12	26.59	2.9	20.62	12.5	2.0	12
14	28.98	2.9	23.01	12.5	2.0	14
16	31.34	2.9	24.61	12.5	2.0	16
18	33.73	2.9	26.97	12.5	2.0	18
20	36.90	2.9	29.36	15.0	2.8	20
22	40.08	2.9	31.75	15.0	2.8	25
24	43.25	3.6	34.92	15.0	2.8	30

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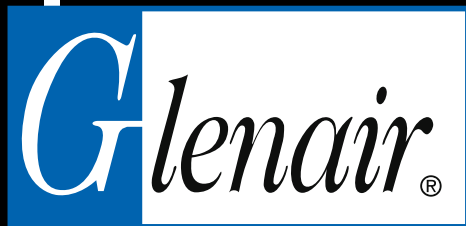
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