

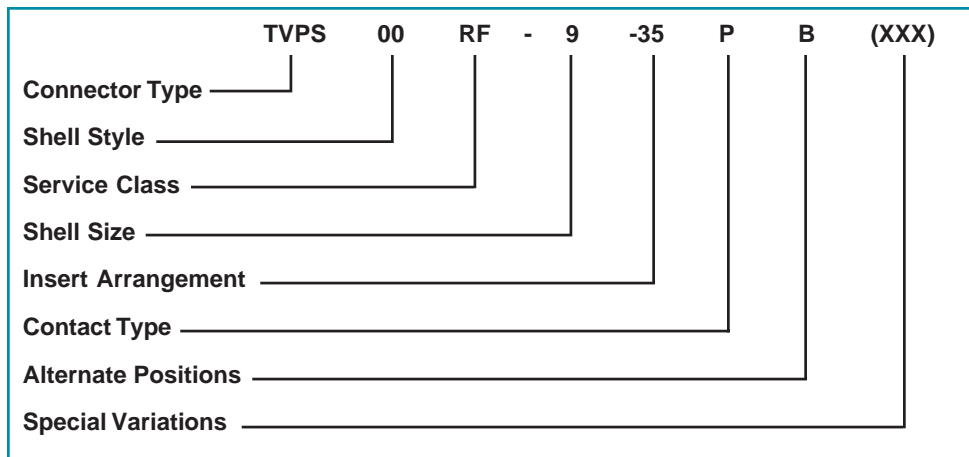
Tri-Start

how to order – (Amphenol® TV, metal)

how to order – (Amphenol® TV26 CLUTCH-LOK®)

Proprietary Part Number

Amphenol® Tri-Start Connectors (metal) can be ordered by coded part number. Ordering procedure is illustrated by part number TVPS00RF-9-35PB() as shown below:



Connector Type

- TV designates Tri-Start Series Connector
- TVP designates back panel mounted receptacle
- TVS designates 200°C rated
- TVPS designates back panel mounted, 200°C rated receptacle
- MTV designates CLUTCH-LOK connector with "MS" stamping (Note: remove dashes in how to order part number when ordering CLUTCH-LOK)

Shell Style

- 00 designates wall mount receptacle
- 01 designates line receptacle
- 02 designates box mount receptacle
- 06 designates straight plug
- 26 designates proprietary CLUTCH-LOK high vibration straight plug (available in service classes RK and RS only)
- 07 designates jam nut receptacle
- 09 designates flange mounted plug
- IY designates solder mounted receptacle, hermetic only
- HIY designates weld mounted receptacle, hermetic only

Service Class

- RX alternate finish, requires special variation suffix. Example: non-conductive, anodic coated aluminum is defined by variation suffix 005. Consult Amphenol, Sidney NY for details, options and availability of non-cadmium or nickel finishes.
- RF electroless nickel plated aluminum, optimum EMI shielding effectiveness –65dB @ 10GHz specification min., 48 hour salt spray, 200°C
- RGF** electroless nickel plated ground plane aluminum, 200°C
- RGW** olive drab cadmium plated ground plane aluminum, 175°C
- RK* corrosion resistant stainless steel, firewall capability, plus 500 hour salt spray resistance, EMI –45 dB @ GHz specification min., 200°C
- RW corrosion resistant olive drab cadmium plate aluminum, 500 hour extended salt spray, EMI –50 dB @ 10 GHz specification min., 175°C

- RQF same as RF except with Quadrax contacts
- RGQF same as RGF except with Quadrax contacts
- RGQW same as RGW except with Quadrax contacts
- RQK same as RK except with Quadrax contacts and not firewall capable
- RQW same as RW except with Quadrax contacts
- Y hermetic seal, passivated stainless steel, 200°C
- RS* (non-hermetic connectors), nickel plated stainless steel, optimum EMI shielding effectiveness –65dB @ 10 GHz specification min., 500 hour salt spray, 200°C, firewall barrier
- YN (hermetic connectors), nickel plated stainless steel, 200°C

Shell Size

MIL-DTL-38999, Sizes 9-25.

A	B	C	D	E	F	G	H	J	MIL Shell Size
9	11	13	15	17	19	21	23	25	Amphenol Shell Size

Insert Arrangement

MIL-DTL-38999, see insert arrangement charts, pgs. 6 & 7.

Contact Type

- P designates pin contacts
- S designates socket contacts

Alternate Positions

Locksmith keying - rotation of minor keys. See page 8. "N" not required for normal position.

Special Variations

Consult Amphenol Aerospace, Sidney, NY for variations.

* Coaxial arrangements are not available in these classes.
 ** For more information on Coax/Triax/Twinax Ground Plane Connectors see page 49.

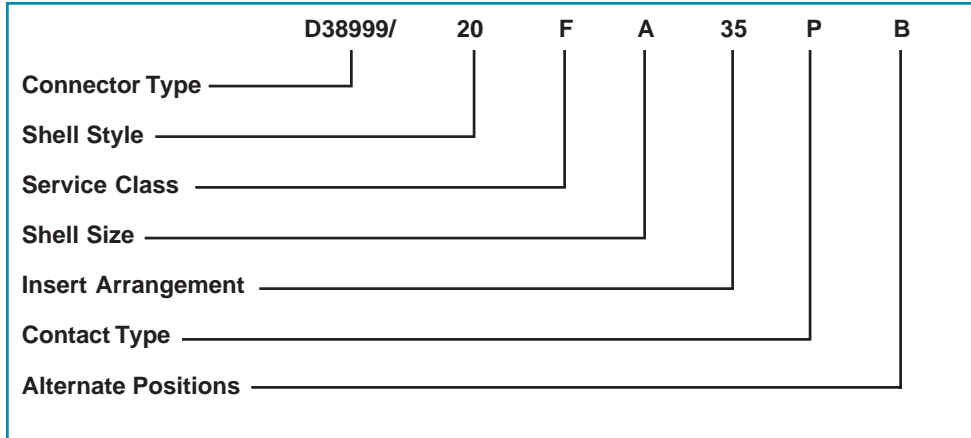
Tri-Start

how to order – (D38999, TV military, metal)

how to order – (MTV26 CLUTCH-LOK®)

Military Part Number

To more easily illustrate ordering procedure of Tri-Start Connectors (metal) by military designation, part number D38999/20F A 35 P B is shown as follows:



Connector Type

D38999/ designates MIL-DTL-38999 Series III Connector
 MTV designates military D38999/26 CLUTCH-LOK high vibration straight plug (available in service class RK only)

Shell Style

- 20 designates wall mount receptacle
- 21 designates box mount receptacle, hermetic
- 23 designates jam nut receptacle, hermetic
- 24 designates jam nut receptacle
- 25 designates solder mount receptacle, hermetic
- 26 designates straight plug
- 27 designates weld mount receptacle, hermetic

Lanyard Release Connectors (See pages 28-32 for ordering)

- 29 designates lanyard release plug with pin contacts
- 30 designates lanyard release plug with socket contacts
- 31 designates lanyard release plug for MIL-STD-1760 with pin contacts

Protection Caps (See page 40 for ordering MS protection caps)

- 32 designates plug protection cap
- 33 designates receptacle protection cap

Service Class

- C non-conductive, anodic coated aluminum, 500 hour salt spray, 200°C
- F electroless nickel plated aluminum, optimum EMI shielding effectiveness –65dB @ 10GHz specification min., 48 hour salt spray, 200°C
- G space grade, electroless nickel, 48 hour salt spray, 200°C
- K corrosion resistant stainless steel, firewall capability, plus 500 hour salt spray resistance, EMI –45 dB @ GHz specification min., 200°C
- L corrosion resistant steel, electrodeposited nickel, 48 hour salt spray, 200°C

- W corrosion resistant olive drab cadmium plate aluminum, 500 hour extended salt spray, EMI –50 dB @ 10 GHz specification min., 175°C
- Y hermetic seal, passivated stainless steel, 200°C
- S (non-hermetic connectors), nickel plated stainless steel, optimum EMI shielding effectiveness –65dB @ 10 GHz specification min., 500 hour salt spray, 200°C
- N (hermetic connectors), nickel plated stainless steel, 200°C

Shell Size

MIL-DTL-38999, Sizes 9-25.

A	B	C	D	E	F	G	H	J	MIL Shell Size
9	11	13	15	17	19	21	23	25	Amphenol Shell Size

Insert Arrangement

MIL-DTL-38999, see insert arrangement charts, pgs. 6 & 7.

Contact Type

- P designates pin contacts
- S designates socket contacts
- A designates same as “P” except supplied less pin contacts
- B designates same as “S” except supplied less socket contacts (A & B designates non-standard contact applications)
- X designates eyelet contacts, hermetics only

Alternate Positions

Locksmith keying - rotation of minor keys. See page 8.
 Use N for normal.

Special Variations

Consult Amphenol Aerospace, Sidney, NY for variations.