

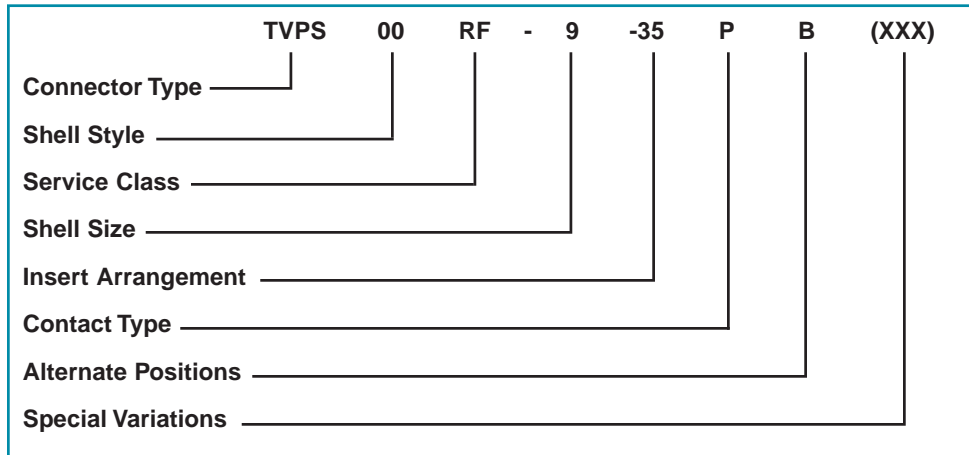
Tri-Start

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
- DN Durmalon plated, Nickel-PTFE alternative to Cadmium. Corrosion resistant, 1,000 hour salt spray, EMI- 50dB at 10GHz specification min., 175 degrees

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.

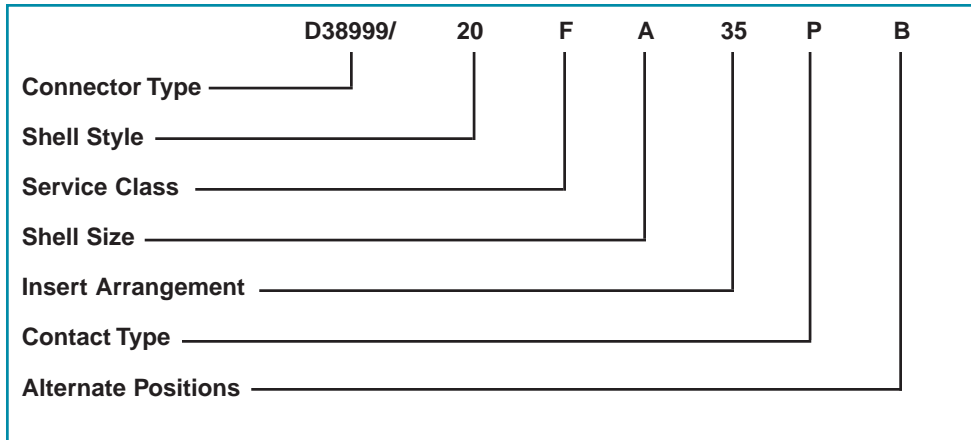
Tri-Start

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

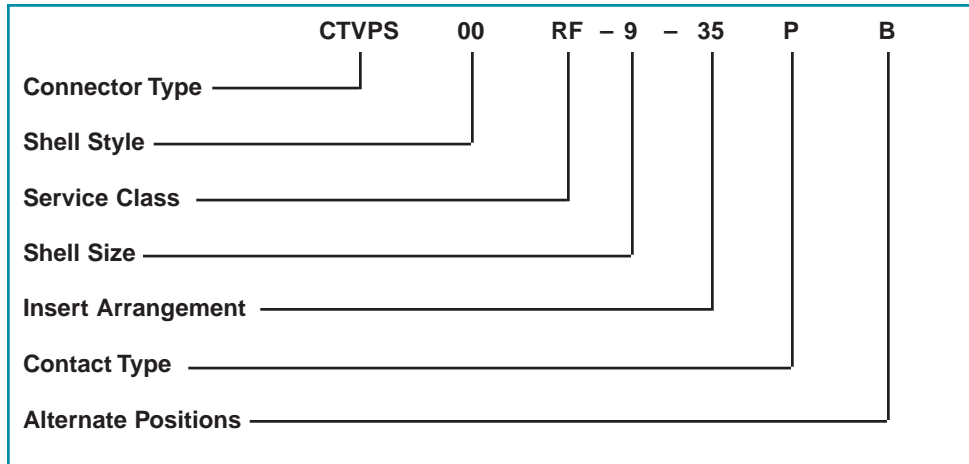
Consult Amphenol Aerospace, Sidney, NY for variations.

Tri-Start

how to order – (Amphenol® CTV, composite)

Proprietary Part Number

Amphenol® Tri-Start Composite Connectors can be ordered by coded part number. Ordering procedure is illustrated by part number CTVPS00RF-9-35P B as shown below:



Connector Type

CTV designates Tri-Start Series Connector
CTVP designates panel mounted receptacle
CTVS designates 200°C rated
CTVPS designates panel mounted, 200°C rated receptacle

Shell Style

00 designates wall mount receptacle
01 designates line receptacle
02 designates box mount receptacle*
06 designates straight plug
07 designates jam nut receptacle

Service Class

RF electroless nickel plated composite, 200°C, 2000 hour salt spray
RW olive drab cadmium plated composite, 175°C
RGF** electroless nickel plated ground plane composite, 200°C
RGW** olive drab cadmium plated ground plane composite, 175°C
RQF same as RF composite except with Quadrax contacts
RQW same as RW composite except with Quadrax contacts
RGQF same as RGF composite except with Quadrax contacts
RGQW same as RGW composite except with Quadrax contacts
DN Durmalon plated, Nickel-PTFE alternative to Cadmium. Corrosion resistant, 1,000 hour salt spray, EMI- 50dB at 10GHz specification min., 175 degrees

Shell Size

9 thru 25 available

Insert Arrangement

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

Contact Type

H designates 1500 cycle pin contacts
J designates 1500 cycle socket contacts
P designates 500 cycle pin contacts
S designates 500 cycle socket contacts

Alternate Positions

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

* Consult Amphenol Aerospace, Sidney, NY for availability.

** For more information on Coax/Triax/Twinax Ground Plane Connectors see page 49.

Tri-Start

how to order – (D38999, CTV military, composite)

Military Part Number

To more easily illustrate ordering procedure of Tri-Start Composite Connectors by military designation, part number D38999/20JG35PN is shown as follows:



Connector Type

D38999/ designates MIL-DTL-38999 Series III Connector

Shell Style

20 designates wall mount receptacle
 24 designates jam nut receptacle
 26 designates straight plug
 (Consult Amphenol Aerospace for availability of composite box mount receptacles)

Service Class

J olive drab cadmium plate (175°C),
 2000 hrs. dynamic salt spray
 M electroless nickel plate (200°C),
 2000 hrs. dynamic salt spray

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, pg. 6 & 7.

Contact Type

H designates 1500 cycle pin contacts
 J designates 1500 cycle socket contacts
 P designates 500 cycle pin contacts
 S designates 500 cycle socket contacts
 A designates same as "P" except supplied less pin contacts
 B designates same as "S" except supplied less socket contacts
 (A & B designate non-standard contact applications)

Alternate Positions

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