

Amphenol-Air LB

TV / CTV

VG95319-1006; -1007; -1008; -1016

MIL-DTL-38999 III



HOW TO ORDER
PART NUMBER BREAK-DOWN



WE CONNECT THE WORLD AND BEYOND

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HOW TO ORDER TV / CTV

TV P S 00 R J 13 - 35 P N LC M126

Series

TV = Metall shell (Aluminium, bronze or stainless steel)

CTV = Composite shell

Connector style

P = Receptacle with mounting flange (00 or 02)

Omit = all others

Operating temperature

S = 200°C (Nickel (F), bronze (B) or stainless steel (K or S))

Omit= all others 175°C, for quadrax or dif. twinax compatible inserts

Connector style

00 = Receptacle for wall mounting with square flange

01 = Receptacle for cable mounting in line*

02 = Receptacle for box mounting with square flange (w/o rear thread)*

06 = Plug

07 = Receptacle for single hole mounting with jam nut

Contact type

R = Standard insert

RQ = Insert compatible with quadrax or dif. twinax contacts*

Omit for black zinc nickel (ZN)

Material & Version

B = Bronze (only TV Series)

F = Electroless nickel (TV or CTV Series)

J = Aluminium tin zinc (only TV Series)

K = Stainless stell passivated (only TV Series)

S = Stainless stell nickel plated (only TV Series)

W = Aluminium oliv drab cadmium (TV or CTV Series)

ZN = Aluminium black zinc nickel (only TV Series)

Shell size & insert arrangement

See section insert arrangements TV/CTV catalogue

Contact style

P = Pin contact

S = Socket contact

H = With 1500 cycles pin contact (only composite)

J = With 1500 cycles socket contact (only composite)

Polarizing position

N = Normal, or A, B, C, D, E

Form of the delivery of the contacts

LC = Less contacts

Omit = including contacts

Modification

M365 = including PCB contacts (5mm tail length)

M724 = including PCB contacts (5mm tail length), installed

M869 = including power contacts and piggy back grommets instead of HF contacts (contact size 8)

for other modifications please consult us

D38999/ 20 F C35 P N

MIL-DTL-38999 Series III Standard

Connector Style

20 = Receptacle for wall mounting with square flange
 24 = Receptacle for single hole mounting with jam nut
 26 = Plug

Material & Version

J = Composite oliv drab cadmium
 M = Composite electroless nickel
 W = Aluminium Oliv green cadmium
 F = Aluminium electroless nickel
 Z = Aluminium black zinc nickel
 K = Stainless steel passivated (firewall capability)
 S = Stainless steel nickel (firewall capability)

Shell size & insert arrangement

See section insert arrangements TV/CTV catalogue

Contact Style & form of delivery

P = Including pin contact
 S = Including socket contact
 A = Less pin contacts
 B = Less socket contacts
 H = With 1500 cycles pin contact (only composite)
 J = With 1500 cycles socket contact (only composite)

Polarizing position

N = Normal, or A, B, C, D, E

MATERIAL AND FINISH - CTV / TV / D38999

Shell material	Shell finish	Salt spray exposure / Test	RoHS compliant	Operating temperature range	Shell to shell conductivity test acc. to MIL-DTL-38999 III
Aluminum	O.D.Cadmium	500H / per EIA364.26	No	- 65°C - +175°C	2,5mΩ
Aluminum	Tin Zinc	5 D* / Test 5.50 / DIN EN 60068-2-52, Test Kb	Yes	- 65°C - + 175°C	2,5mΩ
Aluminum	Electroless nickel	48 H/ per EIA364.26	Yes	- 65°C - + 200°C	1mΩ
Aluminum	Black zinc nickel	500 H/ per EIA364.26	Yes	- 65°C - + 175°C	2,5mΩ
Stainless steel	passivated	500H / per EIA364.26	Yes	- 65°C - + 200°C	10mΩ
Stainless steel	nickel	500H / per EIA364.26	Yes	- 65°C - + 200°C	1mΩ
Bronze	-	500H / per EIA364.26	Yes	- 65°C - + 200°C	5mΩ
Composite	nickel	2000H per EIA364.26	Yes	- 65°C - + 200°C	3mΩ
Composite	O.D.Cadmium	2000H per EIA364.26	No	- 65°C - +175°C	3mΩ

* Special design or non-common design can be associated with a longer delivery time and MOQ

HOW TO ORDER VG95319-1016 Style A, B and C

(For aluminium tin zinc (J) or marine bronze)

	VG95319-1016	A	001	J	35	P	N	2
VG Standard								
Connector Style								
A = Receptacle for wall mounting with square flange								
B = Receptacle for single hole mounting with jam nut								
C = Plug								
Shell size								
See section insert arrangements TV/CTV catalogue								
Material & Version								
J = Aluminium Tin Zinc								
B = Marine Bronze (Material No. CW307G)								
Insert Arrangement								
See section insert arrangements TV/CTV catalogue								
Contact Style								
P = Pin contacts								
S = Socket contacts								
Polarizing position								
N = Normal, or A, B, C, D, E								
Form of the delivery of the contacts								
1 = Less contacts								
2 = Including contacts								

HOW TO ORDER VG95319-1016 Style D, E and F

(For inserts compatible with fiber optic MPO connector)

	VG95319-1016	D	001	J	MPO	N	1
VG Standard							
Shell Style							
D = Receptacle for wall mounting with square flange							
E = Receptacle for single hole mounting with jam nut							
F = Plug							
Shell Size							
001							
Material & Version							
J = Aluminum Tin Zinc*							
B = Marine bronze (Material No. CW307G)							
Insert arrangement							
MPO = hermaphroditic insert for MPO connector							
Polarization position							
N = Normal							
Alternative positions: A, B, C, D, E							
Form of delivery							
1 = Without MPO connectors (standard)							

VG95319-1006; -1007, -1008 HOW TO ORDER

(For insert arrangements acc.to VG95319-1012 or receptacles for single hole mounting with hex nut acc.to VG95319-1010)

	VG95319-	1006	W	B35	P	N	2
VG Standard							
Connector Style							
1006 = Receptacle for wall mounting with square flange							
1007 = Receptacle for single hole mounting with hex nut acc.to VG95319-1010							
1008 = Plug							
Material & Version							
W = Aluminium olive drab cadmium							
F = Aluminium electroless nickel							
J = Composite olive green cadmium							
M = Composite electroless nickel							
K = Stainless steel passivated							
Shell size & insert arrangement							
See section insert arrangements TV/CTV catalogue							
Contact Style							
P = Pin							
S = Socket							
Polarizing position							
N = Normal, or A, B, C, D, E							
Form of the delivery of the contacts							
1 = Less contacts							
2 = Including contacts							

MATERIAL AND FINISH CHARACTERISTICS- VG95319

Shell material	Shell finish	Salt spray exposure / Test	RoHS compliant	Operating temperature range	Shell to shell conductivity test acc. to VG95319-2
Aluminum	O.D.Cadmium	500H / per EIA364.26	No	- 65°C - + 175°C	2,5mΩ
Aluminum	Tin Zinc	5 D* / Test 5.50 / DIN EN 60068-2-52, Test Kb	Yes	- 65°C - + 175°C	2,5mΩ
Aluminum	Electroless nickel	48 H/ per EIA364.26	Yes	- 65°C - + 200°C	1mΩ
Stainless steel	passivated	500H / per EIA364.26	Yes	- 65°C - + 200°C	10mΩ
Bronze	-	500H / per EIA364.26	Yes	- 65°C - + 200°C	5mΩ
Composite	nickel	2000H per EIA364.26	Yes	- 65°C - + 200°C	3mΩ
Composite	O.D.Cadmium	2000H per EIA364.26	No	- 65°C - +175°C	3mΩ

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