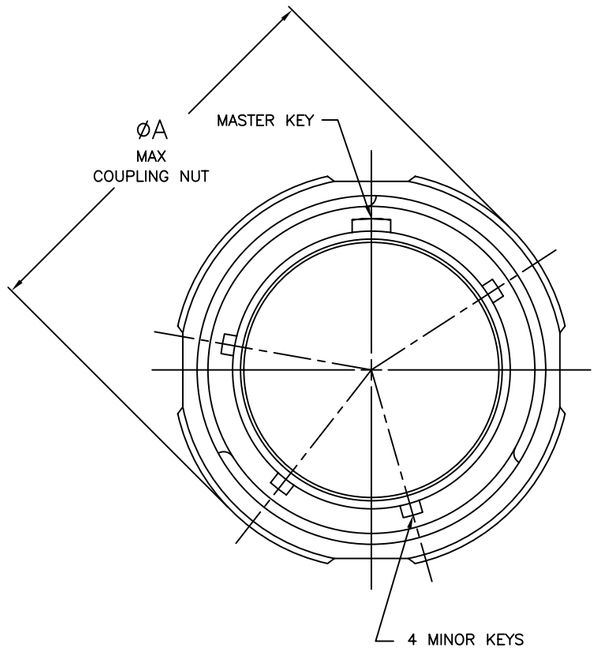
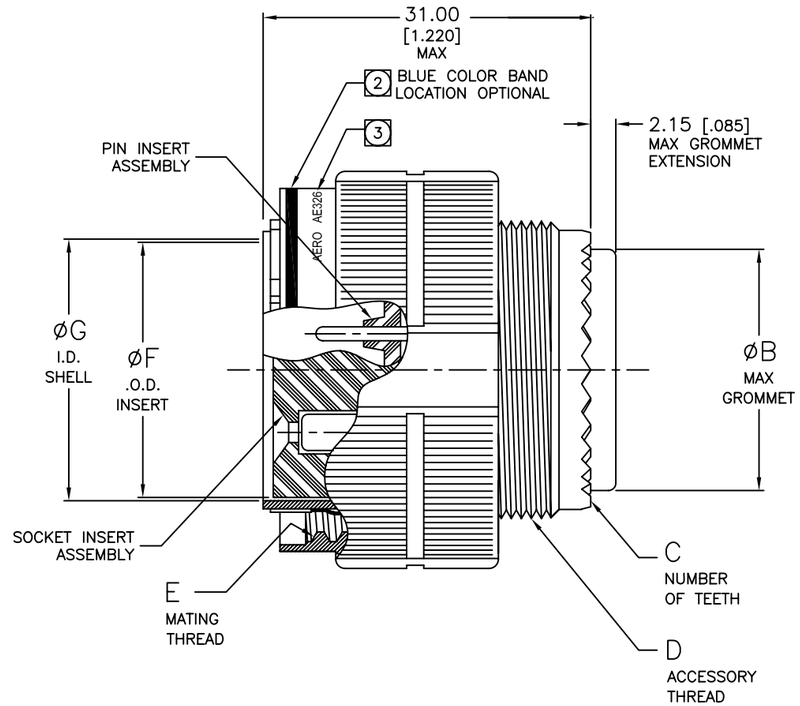
DWG. NO.	REVISION
AE326	B

REVISIONS

ECO NO.	LTR	DESCRIPTION	DATE	APPROVED
4190	B	SEE ECO	01/16/04	H.J.





MILITARY PART NUMBER
AERO ELECTRIC PART NUMBER

D38999/ 26 W B 35 S N
AE3 26 W B 35 S N - XXX

AERO ELECTRIC MODIFICATION NUMBER

SHELL POLARIZATION
N = NORMAL
A, B, C, D and E

NOTE: ALL MINOR KEYS ARE ROTATED TO PROVIDE SHELL POLARIZATION, THE MASTER KEY REMAINS FIXED.

CONTACT STYLE
P = PINS
S = SOCKET

A = PIN
B = SOCKET (CONNECTORS USED WITH OTHER THAN STANDARD CONTACTS.)

INSERT ARRANGEMENT
PER MIL-STD-1560

SHELL SIZE
A = 9, B = 11, C = 13, D = 15, E = 17,
F = 19, G = 21, H = 23 & J = 25

CLASS/MATERIAL/FINISH
W - ALUMINUM, OLIVE DRAB CADMIUM OVER NICKEL
F - ALUMINUM, ELECTROLESS NICKEL
** G - STAINLESS STEEL, PASSIVATED, NON-FIREWALL
K - STAINLESS STEEL, PASSIVATED, FIREWALL
** ZC - ALUMINUM, BLACK CHROMATE CONVERSION ON ELECTRODEPOSITED ZINC COBALT PLUG SHELL WITH HARD BLACK ANODIZED COUPLING NUT
** BZ - NICKEL ALUMINUM BRONZE, NON-FIREWALL

CONNECTOR STYLE
26 = PLUG CONNECTOR WITH R.F.I. GROUNDING

AERO PRODUCT IDENTIFIER
MIL-DTL-38999, SERIES III

SHELL SIZE	MS SHELL CODE	ØA MAX INCH	ØA MAX MM	ØB MAX INCH	ØB MAX MM	C NO. OF TEETH	D ACCESSORY THREAD	E THREAD TRIPLE START	ØF INCH +.005 −.009	ØF MM +0.13 −0.25	ØG INCH	ØG MM
09	A	.858	21.8	.298	7.59	12	M12x1.0−6g.100R	.625−.1P−.3L	.285	7.24	.447 .440	11.36 11.20
11	B	.984	25.0	.427	10.85	16	M15x1.0−6g.100R	.750−.1P−.3L	.412	10.49	.575 .568	14.61 14.45
13	C	1.157	29.4	.540	13.74	20	M18x1.0−6g.100R	.875−.1P−.3L	.527	13.39	.687 .681	17.45 17.30
15	D	1.279	32.5	.666	16.92	24	M22x1.0−6g.100R	1.000−.1P−.3L	.651	16.56	.812 .804	20.63 20.44
17	E	1.405	35.7	.790	20.09	28	M25x1.0−6g.100R	1.187−.1P−.3L	.777	19.74	.937 .930	23.80 23.64
19	F	1.515	38.5	.896	22.78	32	M28x1.0−6g.100R	1.250−.1P−.3L	.866	22.00	1.042 1.035	26.47 26.31
21	G	1.641	41.7	1.022	25.96	36	M31x1.0−6g.100R	1.375−.1P−.3L	.990	25.17	1.166 1.161	29.64 29.49
23	H	1.767	44.9	1.146	29.13	40	M34x1.0−6g.100R	1.500−.1P−.3L	1.116	28.35	1.292 1.285	32.82 32.66
25	J	1.889	48.0	1.272	32.31	44	M37x1.0−6g.100R	1.625−.1P−.3L	1.240	31.52	1.416 1.411	35.99 35.84

PIN CONTACTS		SOCKET CONTACT		MILITARY PART NUMBER			WIRE RANGE	CONTACT SIZE
AERO PART No.	MILITARY PART No.	AERO PART No.	MILITARY PART No.	INSERTION/REMOVAL TOOLS	SEALING PLUGS	CRIMPING TOOLS		
5245−006−2222	M39029/58−360	5045−022−2222	M39029/56−348	M81969/14−01	MS27488−22	M22520/2−01	28−22	22D
5245−007−2020	M39029/58−363	5045−019−2020	M39029/56−351	M81969/14−10	MS27488−20	M22520/1−01	24−20	20
5245−008−1616	M39029/58−364	5045−020−1616	M39029/56−352	M81969/14−03	MS27488−16	M22520/1−01	20−16	16
5245−009−1212	M39029/58−365	5045−021−1212	M39029/56−353	M81969/14−04	MS27488−12	M22520/1−01	14−12	12
*TWINAX	M39029/90−529		M39029/91−530	M81969/14−12	MS27488−8			8
*COAX	M39029/28−211		M39029/75−416	M81969/14−04	MS27488−12			12
*COAX	M39029/60−367		M39029/59−366	M81969/14−06	MS27488−8			8

*CONSULT A.E.C. FOR AVAILABILITY.
**NON-MIL. SPEC. CONN. CLASS.

3. MARKING: "AERO", AERO PART NO., MILITARY PART NO. AND MFG DATE CODE SHALL BE LOCATED APPROXIMATELY WHERE SHOWN. MILITARY PART NO. MUST NOT BE MARKED ON CLASSES "G", "BZ" AND "ZC".

2. BLUE COLOR BAND DESIGNATES REAR RELEASE CONTACT RETENTION SYSTEM.

1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT, PLUS ONE SPARE CONTACT FOR ARRANGEMENTS HAVING 26 CONTACTS OR LESS AND TWO (2) SPARES FOR ARRANGEMENTS OVER 26 CONTACTS AND A MINIMUM OF ONE SEALING PLUG UP TO 15% OF THE NUMBER OF CONTACTS WILL BE INCLUDED IN THE PACKAGE. NO SPARE TWINAX OR COAX CONTACTS SHALL BE PROVIDED.

NOTES: UNLESS OTHERWISE SPECIFIED.

MATERIAL:

PLUG SHELL.....: MACHINED ALUMINUM ALLOY
STAINLESS STEEL
NICKEL ALUMINUM BRONZE

CONTACT RETENTION CLIP.....: BERYLLIUM COPPER ALLOY

GROMMET, INTERFACIAL SEAL.....: SILICONE/FLUOROSILICONE ELASTOMER

INSULATOR.....: REINFORCED EPOXY AND OTHER RIGID DIELECTRIC FIREWALL MATERIAL

NEXT ASSY	USED ON
APPLICATION	

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ITEM NO.	QTY REQD	CAGE NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL OR FINISH	ZONE

PARTS LIST

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
TOLERANCES ON:
DECIMALS .X ± .1 .XX ± .01 .XXX ± .005
ANGULAR ± 0° 30' FRACTIONS ± 1/32
DO NOT SCALE DRAWING

MATERIAL
FINISH
TREATMENT

CONTRACT NO.
DRAWN J. Aguilar DATE 9/9/98
CHECK DATE
APPROVED H. J. DATE 9/9/98
CAD FILENAME: F:\AE326.B

conesys™ Aero Electric Connector inc. 548 Amapola Ave. Torrance, CA 90501

TITLE CUSTOMER USE DRAWING
THREADED PLUG CONNECTOR, RFI GROUNDING
CLASSES 'W', 'F', 'G', 'ZC', 'BZ' & 'K'
REF: MIL-DTL-38999, SERIES III

SIZE D | CAGE NO. 59976 | DWG. NO. AE326
SCALE NONE | SHEET 1 of 1