



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
E	REVISED PER ECO 14757	05/25/23	H.J.

AERO ELECTRIC PART NUMBER

AE9 26 W 9-23 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 = PIN
S = SOCKET

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

INSERT ARRANGEMENT

PER MIL-STD-1560
9-23, 11-23, 13-23, 15-23,
17-23, 19-23, 21-23, 23-23, 25-23

SHELL SIZE

9, 11, 13, 15, 17, 19, 21, 23 AND 25

CLASS/MATERIAL/FINISH

W - ALUMINUM, OLIVE DRAB CADMIUM OVER NICKEL
F - ALUMINUM, ELECTROLESS NICKEL
E - STAINLESS STEEL, PASSIVATED
L - STAINLESS STEEL, ELECTRODEPOSITED NICKEL, NON-FIREWALL
BZ - NICKEL ALUMINUM BRONZE, NON-FIREWALL
Z - ALUMINUM, BLACK ZINC NICKEL

CONNECTOR STYLE

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

AERO PRODUCT IDENTIFIER
HIGH DENSITY SERIES IN D38999,
SERIES III CONNECTOR HOUSING

SHELL SIZE	MS SHELL CODE	ØA MAX		C NO. OF TEETH	D ACCESSORY THREAD	E THREAD TRIPLE START	ØF		ØG	
		INCH	MM				INCH +.005 - .010	MM +0.13 - 0.25	INCH +.005 - .001	MM +0.13 - 0.03
09	A	.858	21.8	12	M12x1.0-6g.100R	.625-.1P-.3L	.285	7.24	.387	9.83
11	B	.984	25.0	16	M15x1.0-6g.100R	.750-.1P-.3L	.413	10.49	.514	13.06
13	C	1.157	29.4	20	M18x1.0-6g.100R	.875-.1P-.3L	.527	13.39	.628	15.95
15	D	1.280	32.5	24	M22x1.0-6g.100R	1.000-.1P-.3L	.652	16.56	.753	19.13
17	E	1.406	35.7	28	M25x1.0-6g.100R	1.187-.1P-.3L	.777	19.74	.878	22.30
19	F	1.516	38.5	32	M28x1.0-6g.100R	1.250-.1P-.3L	.866	22.00	.972	24.69
21	G	1.642	41.7	36	M31x1.0-6g.100R	1.375-.1P-.3L	.991	25.17	1.097	27.86
23	H	1.768	44.9	40	M34x1.0-6g.100R	1.500-.1P-.3L	1.116	28.35	1.222	31.04
25	J	1.890	48.0	44	M37x1.0-6g.100R	1.625-.1P-.3L	1.241	31.52	1.347	34.21

AERO PART NO.		MILITARY PART NUMBER			WIRE RANGE	CONTACT SIZE
PIN CONTACT	SOCKET CONTACT	INSERTION/REMOVAL TOOLS	SEALING PLUGS	CRIMPING TOOLS		
5290-004-23H1 OR M39029/18-177	5090-003-231H OR M39029/17-172	M81969/16-04 (PLASTIC) (4)	MS27488-22-2	M22520/2-01	28-22	23

MATERIAL:

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

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

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

INSULATOR.....: THERMOSET

(4) INSERTION/REMOVAL TOOL USED ON THIS CONNECTOR SHALL NOT BE PROVIDED WITH THE CONNECTOR. NOTE: DO NOT USE THIS TOOL TO EXTRACT WIRE INSULATION DIAMETER GREATER THAN .045.

(3) MARKING: "AERO", AERO PART NUMBER & MFG DATE CODE SHALL BE LOCATED APPROXIMATELY WHERE SHOWN.

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

1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT AND NO SEALING PLUGS WILL BE INCLUDED IN THE PACKAGE.

NOTES UNLESS OTHERWISE SPECIFIED:

PROJECTION --CONFIDENTIAL INFORMATION-- CONFIDENTIAL INFORMATION OF CONESYS, INC. IS CONTAINED IN THIS DRAWING. THE TRANSMISSION, USE, OR REVELATION OF ANY PORTION OF THIS DRAWING OUTSIDE OF THE ENTITY TO WHOM IT WAS SENT, WITHOUT WRITTEN AUTHORIZATION OF CONESYS, INC. IS PROHIBITED.	APPLICATION TSR 2879	UNLESS OTHERWISE SPECIFIED INTERPRET DWG PER MIL-STD-100 ALL DIMENSIONS IN INCHES PART TO BE FREE OF BURRS ALL DIM APPLY BEFORE PLATING ✓ ALL MACHINED SURFACES MAX. ROUNDT .005 FIM BREAK SHARP EDGES .005 MAX MACHINE FLLET RADI .006 MAX .XX ±.010 .XXX ±.005 ANGLES ±0°30' DO NOT SCALE DRAWING	DRAWN CHECK S.S. 05/10/10	 AERO ELECTRIC CONNECTOR, Inc. 2280 208th Street Torrance, California 90501 CUSTOMER USE DRAWING THREADED PLUG CONNECTOR, RFI GROUNDING CLASSES "W", "F", "E", "L", "BZ" & "Z" REF: MIL-DTL-38999, SERIES III TITLE DWG. NO. AE926 REV E
	APVD MATERIAL FINISH H.J. N/A N/A	05/10/10	SIZE C CAGE CODE 59976 SCALE N/A SHEET 1 OF 1	