



NOTE: PANEL THICKNESS
 .126 [3.20]
 .062 [1.57]

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
G	REVISED PER ECO 15091	07/15/24	H.J.

AERO ELECTRIC PART NUMBER

AE9 24 W 11-23 S N - .250 AD T

- BLANK = NO SOLDER
T = WITH SOLDER (7)
- AD = WITH ALIGNMENT DISK
- PC TAIL EXTENSION (6)
 .250
 .350
 .450
- 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 (RoHS)
 E - STAINLESS STEEL, PASSIVATED (RoHS)
 L - STAINLESS STEEL, ELECTRODEPOSITED NICKEL, NON-FIREWALL (RoHS)
 BZ - NICKEL ALUMINUM BRONZE, NON-FIREWALL (RoHS)
 Z - ALUMINUM, BLACK ZINC NICKEL (RoHS)
- CONNECTOR STYLE
 24 = JAM NUT RECEPTACLE
- AERO PRODUCT IDENTIFIER
 HIGH DENSITY SERIES IN D38999, SERIES III CONNECTOR HOUSING

SHELL SIZE	MS SHELL CODE	A		B		C		D		E	F	G		J	K
		INCH ±.016	MM ±0.40	INCH ±.004 -.006	MM ±0.10 -0.15	INCH	MM	INCH +.024 -.000	MM +0.60 -0.00			INCH ±.035 -.004	MM +0.90 -0.10		
09	A	1.063	27.00	.651	16.53	.945 .859	24.00 21.82			.6250-.1P-.3L	12			M17x1.0-6g.100R	M12x1.0-6g.100R
11	B	1.252	31.80	.751	19.07	1.063 .984	27.00 24.99			.7500-.1P-.3L	16			M20x1.0-6g.100R	M15x1.0-6g.100R
13	C	1.374	34.90	.938	23.82	1.260 1.172	32.00 29.77			.8750-.1P-.3L	20	.087	2.20	M25x1.0-6g.100R	M18x1.0-6g.100R
15	D	1.500	38.10	1.062	26.97	1.417 1.296	36.00 32.91			1.000-.1P-.3L	24			M28x1.0-6g.100R	M22x1.0-6g.100R
17	E	1.626	41.30	1.187	30.15	1.457 1.422	37.00 36.12	.555	14.10	1.187-.1P-.3L	28			M32x1.0-6g.100R	M25x1.0-6g.100R
19	F	1.811	46.00	1.312	33.32	1.614 1.546	41.00 39.26			1.250-.1P-.3L	32			M35x1.0-6g.100R	M28x1.0-6g.100R
21	G	1.937	49.20	1.437	36.50	1.811 1.672	46.00 42.47			1.375-.1P-.3L	36			M38x1.0-6g.100R	M31x1.0-6g.100R
23	H	2.063	52.40	1.562	39.67	1.969 1.796	50.00 45.61			1.500-.1P-.3L	40	.118	3.00	M41x1.0-6g.100R	M34x1.0-6g.100R
25	J	2.189	55.60	1.687	42.85	2.017 1.939	51.23 49.25			1.625-.1P-.3L	44			M44x1.0-6g.100R	M37x1.0-6g.100R

- (7) IF ORDERED WITH "T", PC TAIL CONTACTS SHALL BE SOLDER DIPPED.
- (6) IF ORDERED WITH PC CONTACTS, PC TAIL EXTENSION TO BE MEASURED FROM BACK OF THE SHELL. PC TAIL DIAMETER SHALL BE $\phi .019 \pm .001$.
- (5) 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.
- (4) MARKING: "AERO", AERO PART NUMBER & MFG DATE CODE SHALL BE LOCATED APPROXIMATELY WHERE SHOWN.

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

CONNECTORS WITH PC CONTACTS ARE PROVIDED WITH LOADED CONTACTS AND ALIGNMENT DISK IF REQUIRED.

(2) RED COLOR BAND IS A FULLY MATED INDICATOR, IT IS VISIBLE WHEN UNMATED AND FULLY COVERED WHEN COMPLETELY MATED.

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

NOTES UNLESS OTHERWISE SPECIFIED:

MATERIAL:

- RECEPTACLE SHELL.....: MACHINED ALUMINUM ALLOY
 STAINLESS STEEL
 NICKEL ALUMINUM BRONZE
- HEX NUT.....: MACHINED ALUMINUM ALLOY
 STAINLESS STEEL
 NICKEL ALUMINUM BRONZE
- CONTACT RETENTION CLIP.....: BERYLLIUM COPPER
- GROMMET, INTERFACIAL SEAL.....: SILICONE/FLUOROSILICONE ELASTOMER
- PERIPHERAL SEAL, "O" RING.....: SILICONE/FLUOROSILICONE ELASTOMER
- INSULATOR.....: THERMOSET

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	APVD H. JAMSHIDIAN 05/10/10	MATERIAL N/A	FINISH N/A		DWG. NO. AE924	
			SIZE C	CAGE CODE 59976	SCALE N/A	SHEET 1 OF 1