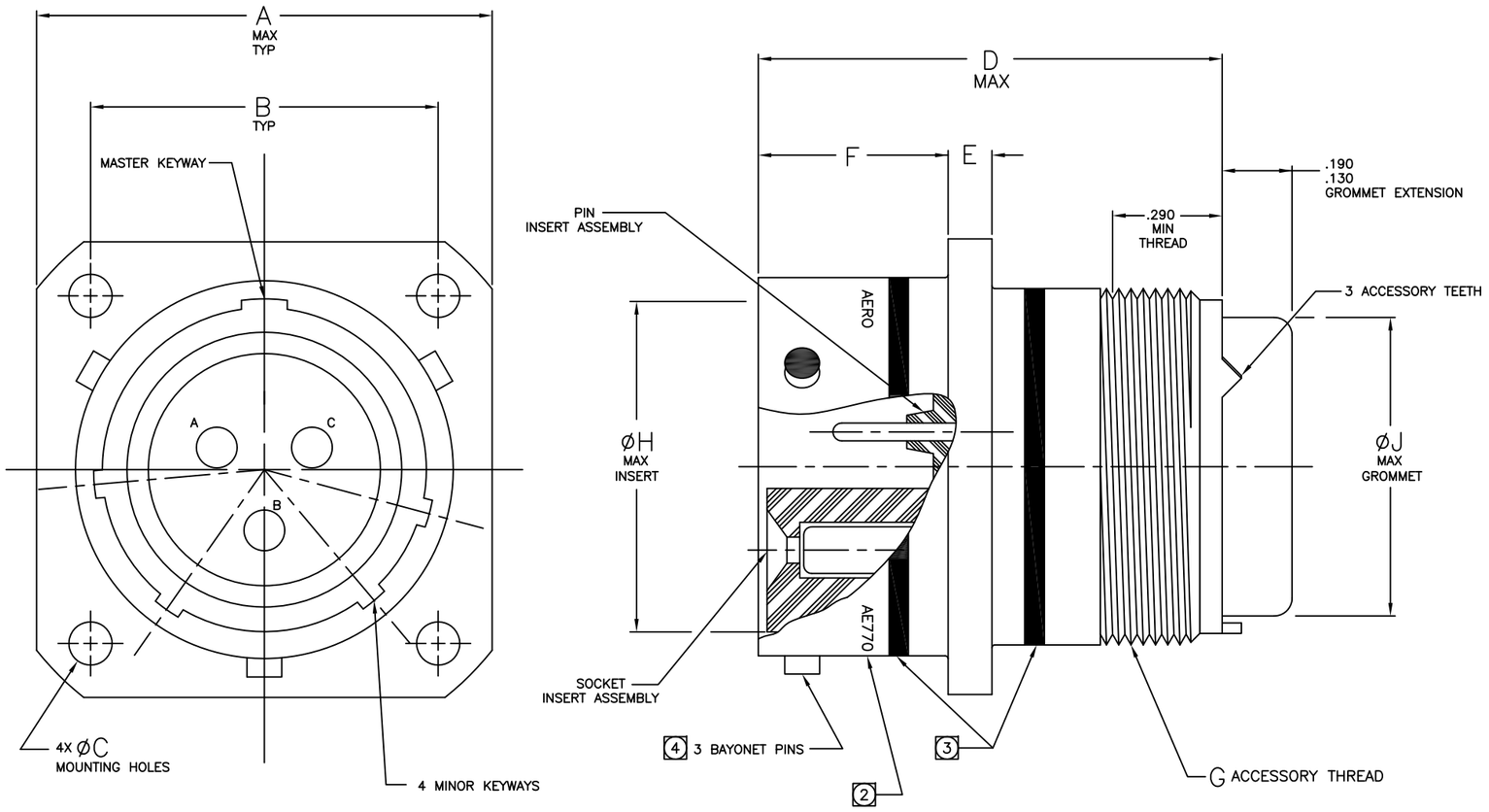
DWG. NO.	REVISION
AE770	B

REVISIONS				
ECO NO.	LTR	DESCRIPTION	DATE	APPROVED
9808	B	SEE ECO	03/25/14	H.J.



MILITARY PART NUMBER

AERO PART NUMBER DEVELOPMENT

MS3470 L 22–21 P W

AE770 L 22–21 P W – XXX

AERO MODIFICATION NUMBER

POLARIZATION
NORMAL= BLANK
ALTERNATE POLARIZATION= W, X, Y AND Z

CONTACT TYPE
P= PIN
S= SOCKET

INSERT ARRANGEMENT
PER MIL–STD–1669

CONNECTOR CLASS
L = ALUMINUM, ELECTROLESS NICKEL
W = ALUMINUM, CADMIUM/OLIVE DRAB
**T = ALUMINUM, TEFLON NICKEL, CONDUCTIVE
**Z = ALUMINUM, ZINC NICKEL, CONDUCTIVE
**BN = ALUMINUM, BLACK NICKEL, CONDUCTIVE (RoHS)

AERO PRODUCT IDENTIFIER
REF.: MIL–DTL–26482 SERIES II
WALL MOUNT RECEPTACLE
NARROW FLANGE

0803 ARRANGEMENT
MATING FACE OF SOCKET INSERT
REFERENCE ONLY

TABLE I

SHELL SIZE	A MAX	B	ØC	D MAX	E	F	G THREAD–2A	ØH MAX	ØJ MAX
8	.828	.599/.589	.120	1.215	.078/.046	.462/.431	.500–20 UNF	.285	.305
10	.964	.724/.714	↑	↑	↑	↑	.625–24 UNEF	.402	.405
12	1.047	.817/.807					.750–20 UNEF	.516	.531
14	1.141	.911/.901					.875–20 UNEF	.641	.665
16	1.234	.974/.964			↓		1.000–20 UNEF	.766	.790
18	1.328	1.067/1.057		1.215	.078/.046	.462/.431	1.062–18 UNEF	.855	.869
20	1.453	1.161/1.151	↓	1.275	.110/.078	.587/.556	1.188–18 UNEF	.980	.994
22	1.578	1.255/1.245	.120	1.275	.110/.078	.587/.556	1.312–18 UNEF	1.105	1.119
24	1.703	1.380/1.370	.147	1.275	.110/.078	.587/.556	1.438–18 UNEF	1.229	1.244

TABLE II

CONTACT SIZE	MILITARY PIN CONTACT PART No.	MILITARY SOCKET CONTACT PART No.	WIRE RANGE AWG	INSERTION/REMOVAL TOOLS	SEALING PLUGS
20	MIL–C–39029/4–110	MIL–C–39029/5–115	24–20	M81969/14–11	MS27488–20
16	MIL–C–39029/4–111	MIL–C–39029/5–116	20–16	M81969/14–03	MS27488–16
12	MIL–C–39029/4–113	MIL–C–39029/5–118	14–12	M81969/14–04	MS27488–12

**COMMERCIAL CONNECTOR CLASS (CONSULT FACTORY FOR AVAILABILITY)

CAUTION: ARRANGEMENTS 0802, 0803, AND 0804 DO NOT USE STANDARD SIZE 20 CONTACTS LISTED IN TABLE II. THESE ARRANGEMENTS ACCOMODATE SPECIAL CONTACTS ONLY.

4. BAYONET PINS SHALL HAVE A CONTRASTING COLOR TO THE CONNECTOR FINISH.

3. BLUE BANDS DESIGNATE REAR RELEASE CONTACT RETENTION SYSTEM.

2. MARKING: "AERO", AERO PART NUMBER, MILITARY PART NUMBER AND MANUFACTURING DATE CODE TO BE MARKED IN APPROXIMATE LOCATION SHOWN. MILITARY PART NO. MUST NOT BE MARKED ON CLASSES "T", "Z", & "BN".

1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT, PLUS ONE SPARE CONTACT FOR CONNECTOR ARRANGEMENTS HAVING 26 CONTACTS OR LESS AND TWO (2) SPARES FOR ARRANGEMENTS OVER 26 CONTACTS WILL BE INCLUDED IN THE PACKAGE. A MINIMUM OF ONE SEALING PLUG UP TO 15% OF THE NUMBER OF CONTACTS WILL BE PROVIDED.

NOTES: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSY	USED ON
APPLICATION	

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 H. J — DATE 9/14/98

CHECK — DATE

APPROVED H. J — DATE 9/14/98

CAD FILENAME: ENG/DRAWINGS/CUD/AE770.B

THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS CONFIDENTIAL AND PROPRIETARY AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF AERO ELECTRIC CONNECTOR SYSTEMS INC.

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

TITLE: CUSTOMER USE DRAWING
RECEPTACLE CONNECTOR, NARROW FLANGE
REF.: MIL–DTL–26482, SERIES II

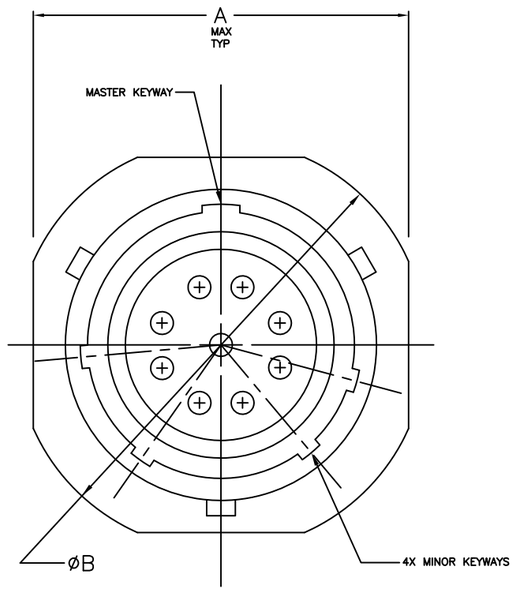
SIZE	CAGE NO.	DWG. NO.
D	59976	AE770

SCALE NONE — SHEET 1 of 1

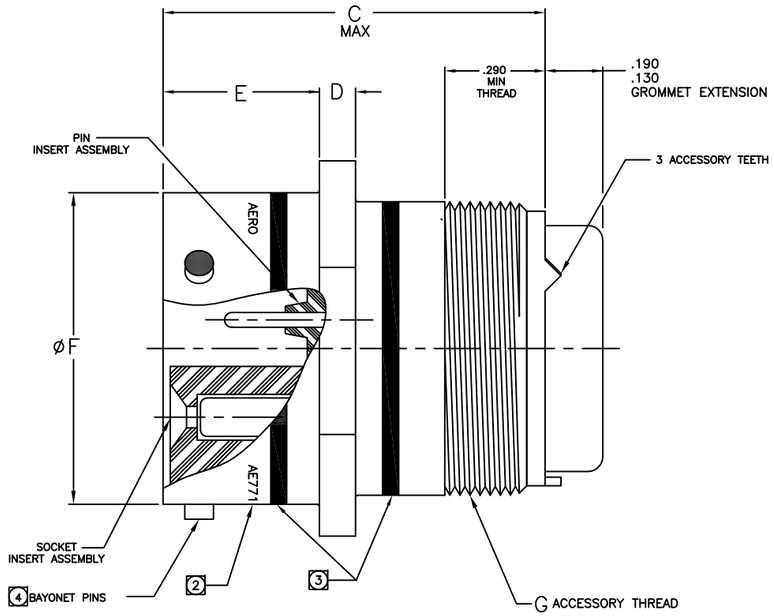
DWG. NO. AE770 REVISION B

DWG. NO.	REVISION
AE771	A

REVISIONS				
ECO NO.	LTR	DESCRIPTION	DATE	APPROVED
9808	A	SEE ECO	03/25/14	H.J.



ARRANGEMENT SHOWN
FOR REFERENCE ONLY



MILITARY PART NUMBER

MS3471 L 22–21 P W

AEC PART NUMBER DEVELOPMENT

AE771 L 22–21 P W – XXX

- XXX — AEC MODIFICATION CODE
- P W — POLARIZATION
  NORMAL= BLANK
  ALTERNATE POLARIZATION= W, X, Y AND Z
- P — CONTACT TYPE
  P= PIN
  S= SOCKET
- 22–21 — INSERT ARRANGEMENT
  PER MIL–STD–1669
- L — CONNECTOR CLASS
  A= ALUMINUM, BLACK HARD ANODIZE
  L= ALUMINUM, ELECTROLESS NICKEL
  W= ALUMINUM, CADMIUM/OLIVE DRAB
  **T = ALUMINUM, TEFLON NICKEL, CONDUCTIVE
  **Z = ALUMINUM, ZINC NICKEL, CONDUCTIVE
  **BN = ALUMINUM, BLACK NICKEL, CONDUCTIVE (RoHS)
- AE771 — AEC PROJECT NUMBER
  REF.: MIL–DTL–26482 SERIES II
  MS3471 CONNECTOR SERIES

SHELL SIZE	A MAX	ØB	C MAX	D	E	ØF	G THREAD–2A
8	.828	.958/.918	1.215	.078/.046	.462/.431	.474/.468	.500–20 UNF
10	.964	1.082/1.042	↑	↑	↑	.591/.585	.625–24 UNEF
12	1.047	1.176/1.136				.751/.745	.750–20 UNEF
14	1.141	1.270/1.230				.876/.870	.875–20 UNEF
16	1.234	1.364/1.324	↓	↓	↓	1.001/.995	1.000–20 UNEF
18	1.328	1.458/1.418	1.215	.078/.046	.462/.431	1.126/1.120	1.062–18 UNEF
20	1.453	1.582/1.542	1.275	.110/.078	.587/.556	1.251/1.245	1.188–18 UNEF
22	1.578	1.708/1.668	1.275	.110/.078	.587/.556	1.376/1.370	1.312–18 UNEF
24	1.703	1.832/1.792	1.275	.110/.078	.620/.589	1.501/1.495	1.438–18 UNEF

CONTACT SIZE	MILITARY PIN CONTACT PART No.	MILITARY SOCKET CONTACT PART No.	WIRE RANGE AWG	INSERTION/REMOVAL TOOLS	SEALING PLUGS
20	MIL–C–39029/4–110	MIL–C–39029/5–115	24–20	M81969/14–11	MS27488–20
16	MIL–C–39029/4–111	MIL–C–39029/5–116	20–16	M81969/14–03	MS27488–16
12	MIL–C–39029/4–113	MIL–C–39029/5–118	14–12	M81969/14–04	MS27488–12

**COMMERCIAL CONNECTOR CLASS (CONSULT FACTORY FOR AVAILABILITY)

4. BAYONET PINS SHALL HAVE A CONTRASTING COLOR TO THE CONNECTOR FINISH.

3. BLUE BANDS DESIGNATE REAR RELEASE CONTACT RETENTION SYSTEM.

2. MARKING: "AERO", AERO PART NUMBER, MILITARY PART NUMBER AND MANUFACTURING DATE CODE TO BE MARKED IN APPROXIMATE LOCATION SHOWN.
   MILITARY PART NO. MUST NOT BE MARKED ON CLASSES "T", "Z", & "BN".

1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT, PLUS ONE SPARE CONTACT FOR CONNECTOR ARRANGEMENTS HAVING 26 CONTACTS OR LESS AND TWO (2) SPARES FOR ARRANGEMENTS OVER 26 CONTACTS WILL BE INCLUDED IN THE PACKAGE. A MINIMUM OF ONE SEALING PLUG UP TO 10% OF THE NUMBER OF CONTACTS WILL BE PROVIDED.

NOTES: UNLESS OTHERWISE SPECIFIED.

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

CONTRACT NO.

DRAWN	H. J	DATE 2/18/99
CHECK		DATE
APPROVED	H.J.	DATE 2/18/99

CAD FILENAME: ENG\DRAWINGS\CUD\AE771.A

Aero Electric Connector Inc.
548 Amapola Ave. Torrance, CA 90501

TITLE CUSTOMER USE DRAWING
CABLE CONNECTING RECEPTACLE
REF.: MIL–DTL–26482, SERIES II

SIZE	CAGE NO.	DWG. NO.
D	59976	AE771

SCALE NONE SHEET 1 of 1

NEXT ASSY	USED ON
APPLICATION	

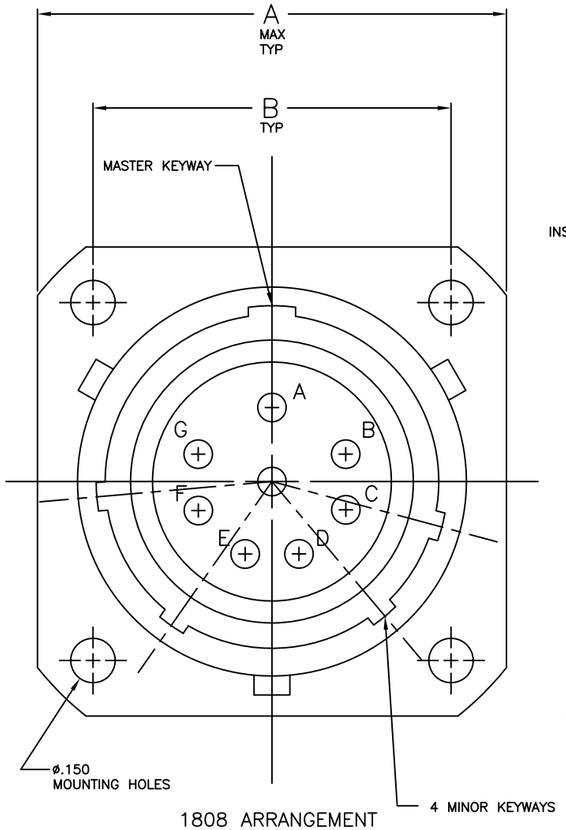
MATERIAL
FINISH
TREATMENT

THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS CONFIDENTIAL AND PROPRIETARY AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF AERO ELECTRIC CONNECTOR SYSTEMS INC.

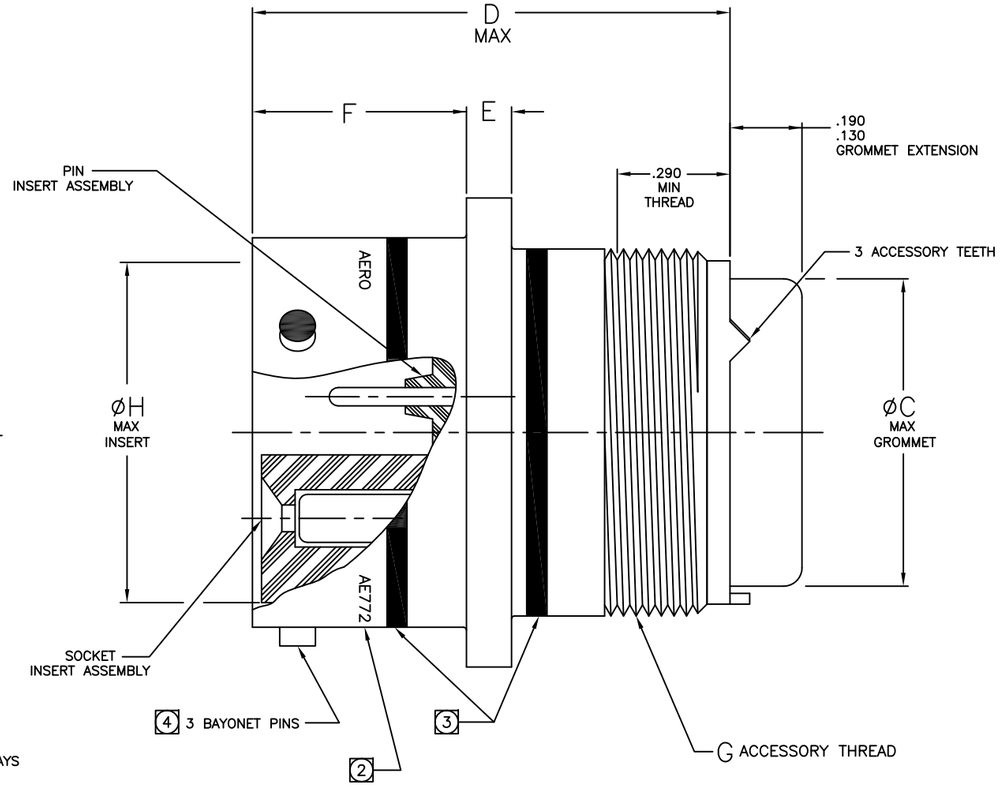
DWG. NO. AE771 REVISION A

DWG. NO.	REVISION
AE772	A

REVISIONS				
ECO NO.	LTR	DESCRIPTION	DATE	APPROVED
9808	A	SEE ECO	03/25/14	H.J.



1808 ARRANGEMENT
MATING FACE OF PIN INSERT
REFERENCE ONLY



SHELL SIZE	A MAX	B	øC MAX	D MAX	E	F	G THREAD–2A	øH MAX
8	1.065	.734	.305	1.215	.078/.046	.493/.462	.500–20 UNF	.285
10	1.141	.812	.405	↑	↑	↑	.625–24 UNEF	.402
12	1.266	.938	.531	↓	↓	↓	.750–20 UNEF	.516
14	1.360	1.031	.665				.875–20 UNEF	.641
16	1.453	1.125	.790				1.000–20 UNEF	.766
18	1.532	1.203	.869	1.215	.078/.046	.493/.462	1.062–18 UNEF	.855
20	1.688	1.297	.994	1.275	.110/.078	.587/.556	1.188–18 UNEF	.980
22	1.766	1.375	1.119	1.275	.110/.078	.587/.556	1.312–18 UNEF	1.105
24	1.891	1.500	1.244	1.275	.110/.078	.587/.556	1.438–18 UNEF	1.229

5. "S" IS A NON–MILITARY CONNECTOR CLASS. MILITARY PART NUMBER SHALL NOT BE MARKED ON THE CONNECTOR.

4. BAYONET PINS SHALL HAVE A CONTRASTING COLOR TO THE CONNECTOR FINISH.

3. BLUE BANDS DESIGNATE REAR RELEASE CONTACT RETENTION SYSTEM.

2. MARKING: "AERO", AERO PART NUMBER, MILITARY PART NUMBER AND MANUFACTURING DATE CODE TO BE MARKED IN APPROXIMATE LOCATION SHOWN. MILITARY PART NO. MUST NOT BE MARKED ON CLASSES "T", "Z", & "BN".

1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT, PLUS ONE SPARE CONTACT FOR CONNECTOR ARRANGEMENTS HAVING 26 CONTACTS OR LESS AND TWO (2) SPARES FOR ARRANGEMENTS OVER 26 CONTACTS WILL BE INCLUDED IN THE PACKAGE. A MINIMUM OF ONE SEALING PLUG UP TO 15% OF THE NUMBER OF CONTACTS WILL BE PROVIDED.

NOTES: UNLESS OTHERWISE SPECIFIED.

MILITARY PART NUMBER

AERO PART NUMBER DEVELOPMENT

MS3472 L 22–21 P W
AE772 L 22–21 P W – XXX

- AERO MODIFICATION NUMBER
- POLARIZATION
  NORMAL= BLANK
  ALTERNATE POLARIZATION= W, X, Y AND Z
- CONTACT TYPE
  P= PIN
  S= SOCKET
- INSERT ARRANGEMENT
  PER MIL–STD–1669
- CONNECTOR CLASS
  L= ALUMINUM, ELECTROLESS NICKEL
  W= ALUMINUM, CADMIUM/OLIVE DRAB
  S= STAINLESS STEEL, PASSIVATED [5]
  **T = ALUMINUM, TEFLON NICKEL, CONDUCTIVE
  **Z = ALUMINUM, ZINC NICKEL, CONDUCTIVE
  **BN = ALUMINUM, BLACK NICKEL, CONDUCTIVE (RoHS)
- AERO PRODUCT IDENTIFIER
  REF.: MIL–DTL–26482 SERIES II
  WALL MOUNT RECEPTACLE
  WIDE FLANGE MOUNTING

CONTACT SIZE	MILITARY PIN CONTACT PART No.	MILITARY SOCKET CONTACT PART No.	WIRE RANGE AWG	INSERTION/REMOVAL TOOLS	SEALING PLUGS
20	MIL–C–39029/4–110	MIL–C–39029/5–115	24–20	M81969/14–11	MS27488–20
16	MIL–C–39029/4–111	MIL–C–39029/5–116	20–16	M81969/14–03	MS27488–16
12	MIL–C–39029/4–113	MIL–C–39029/5–118	14–12	M81969/14–04	MS27488–12

**COMMERCIAL CONNECTOR CLASS (CONSULT FACTORY FOR AVAILABILITY)

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

NEXT ASSY	USED ON
APPLICATION	

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

THIS DRAWING AND THE DATA DISCLOSED HEREIN OR HEREWITH IS CONFIDENTIAL AND PROPRIETARY AND IS NOT TO BE REPRODUCED, USED, OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF AERO ELECTRIC CONNECTOR SYSTEMS INC.

CONTRACT NO.		
DRAWN	H. J	DATE 9/19/01
CHECK		DATE
APPROVED	H. J	DATE 9/19/01
CAD FILENAME:	ENG/DRAWINGS/CUD/AE772.A	

Aero Electric Connector Inc.
548 Amapola Ave. Torrance, CA 90501

TITLE
CUSTOMER USE DRAWING
RECEPTACLE CONNECTOR, WIDE FLANGE MOUNT
REF.: MIL–DTL–26482, SERIES II

SIZE	CAGE NO.	DWG. NO.
D	59976	AE772

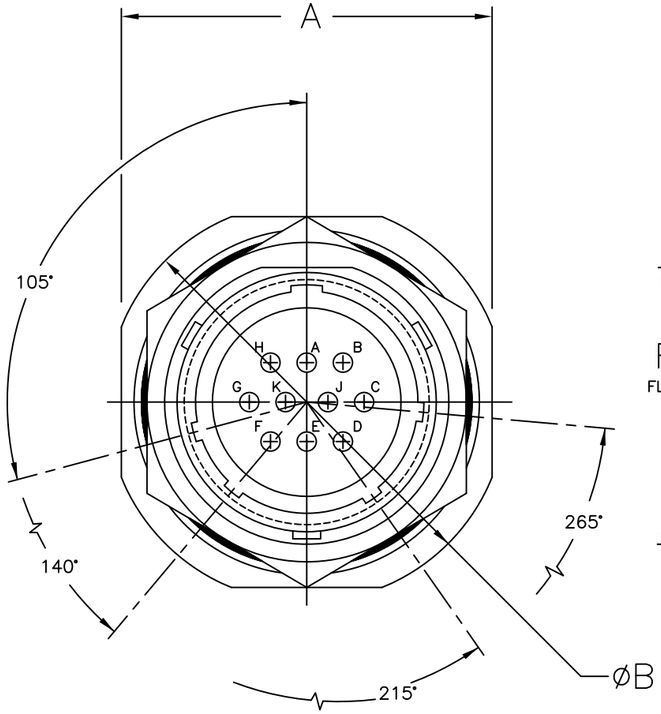
SCALE NONE SHEET 1 of 1

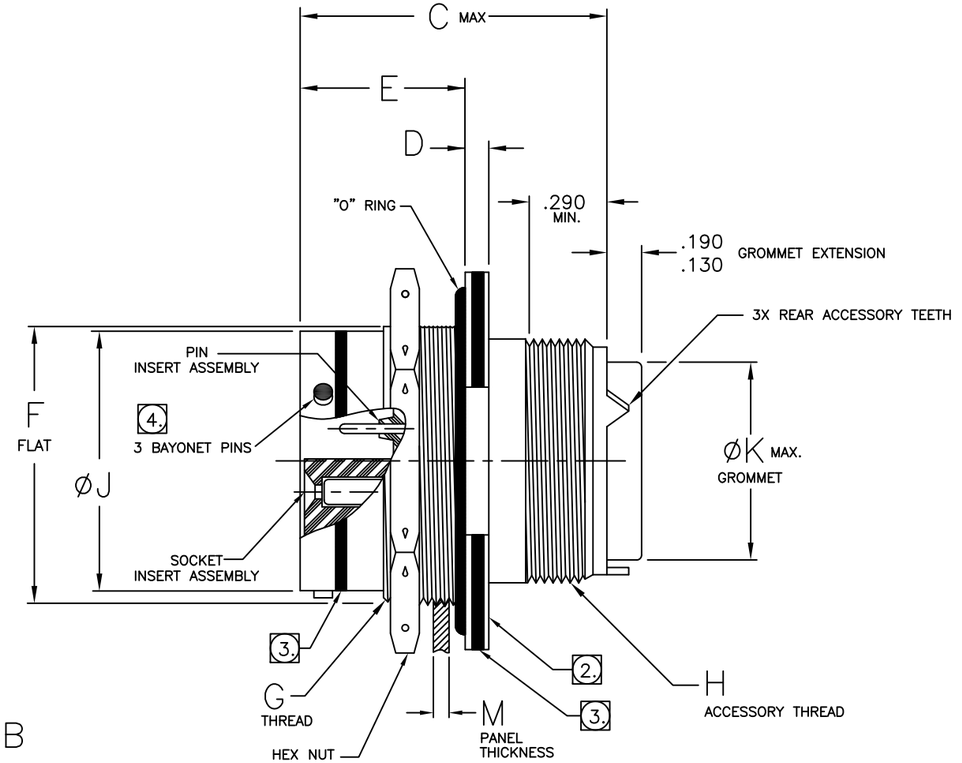
DWG. NO. AE772 REVISION A

DWG. NO.	REVISION
AE774	B

REVISIONS

ECO NO.	LTR	DESCRIPTION	DATE	APPROVED
9808	B	SEE ECO	03/25/14	H. J.





MILITARY PART NUMBER

MS3474 L 12–10 P W

AERO PART NUMBER DEVELOPMENT

AE774 L 12–10 P W – XXX

AERO MODIFICATION CODE

POLARIZATION
NORMAL= BLANK
ALTERNATE POLARIZATION= W, X, Y AND Z

CONTACT TYPE
P= PIN
S= SOCKET

INSERT ARRANGEMENT
PER MIL–STD–1669

CONNECTOR CLASS
A= ALUMINUM, BLACK HARD ANODIZE
L= ALUMINUM, ELECTROLESS NICKEL
W= ALUMINUM, CADMIUM/OLIVE DRAB
**T= ALUMINUM, TEFLON NICKEL, CONDUCTIVE
**Z= ALUMINUM, ZINC NICKEL, CONDUCTIVE
**BN= ALUMINUM, BLACK NICKEL, CONDUCTIVE (RoHS)

AERO PROJECT NUMBER
REF.: MIL–DTL–26482 SERIES II
MS3474 CONNECTOR SERIES

12–10 ARRANGEMENT

PIN ENGAGING FACE SHOWN
REFERENCE ONLY

CONTACT SIZE	MILITARY PIN CONTACT PART No.	MILITARY SOCKET CONTACT PART No.	WIRE RANGE AWG	INSERTION/REMOVAL TOOLS	SEALING PLUGS
20	MIL–C–39029/4–110	MIL–C–39029/5–115	24–20	M81969/14–11	MS27488–20
16	MIL–C–39029/4–111	MIL–C–39029/5–116	20–16	M81969/14–03	MS27488–16
12	MIL–C–39029/4–113	MIL–C–39029/5–118	14–12	M81969/14–04	MS27488–12

**COMMERCIAL CONNECTOR CLASS (CONSULT FACTORY FOR AVAILABILITY)

SHELL SIZE	A	ØB	C MAX	D	E	F FLAT	G THREAD–2A	H THREAD–2A	ØJ	ØK MAX	M RECOMMENDED PANEL THICKNESS
8	.954 .923	1.078 1.047	1.215	.113 .086	.707 .658	.525	.562–24	.500–20 UNF	.474 .468	.305	.187 .062
10	1.078 1.047	1.203 1.172	↕	↕	↕	.650	.687–24	.625–24 UNEF	.591 .585	.405	↕
12	1.266 1.235	1.391 1.360	↕	↕	↕	.813	.875–20	.750–20 UNEF	.751 .745	.531	↕
14	1.391 1.360	1.516 1.485	↕	↕	↕	.937	1.000–20	.875–20 UNEF	.876 .870	.665	↕
16	1.516 1.485	1.641 1.610	↕	↕	↕	1.061	1.125–18	1.000–20 UNEF	1.001 .995	.790	↕
18	1.641 1.610	1.766 1.735	1.215	.113 .086	.707 .658	1.186	1.250–18	1.062–18 UNEF	1.126 1.120	.869	.187 .062
20	1.828 1.797	1.954 1.923	1.275	.148 .096	.772 .721	1.311	1.375–18	1.188–18 UNEF	1.251 1.245	.994	.250 .062
22	1.954 1.923	2.078 2.047	1.275	.148 .096	.772 .721	1.436	1.500–18	1.312–18 UNEF	1.376 1.370	1.119	.250 .062
24	2.078 2.047	2.203 2.172	1.275	.148 .096	.772 .721	1.561	1.625–18	1.438–18 UNEF	1.501 1.495	1.244	.250 .062

4. BAYONET PINS SHALL HAVE A CONTRASTING COLOR TO THE CONNECTOR FINISH.

3. BLUE BANDS DESIGNATE REAR RELEASE CONTACT RETENTION SYSTEM.

2. MARKING: "AERO", AERO PART NUMBER, MILITARY PART NUMBER AND MANUFACTURING DATE CODE TO BE MARKED IN APPROXIMATE LOCATION SHOWN.
MILITARY PART NO. MUST NOT BE MARKED ON CLASSES "T", "Z", & "BN".

1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT, PLUS ONE SPARE CONTACT FOR CONNECTOR ARRANGEMENTS HAVING 26 CONTACTS OR LESS AND TWO (2) SPARES FOR ARRANGEMENTS OVER 26 CONTACTS WILL BE INCLUDED IN THE PACKAGE. A MINIMUM OF ONE SEALING PLUG UP TO 10% OF THE NUMBER OF CONTACTS WILL BE PROVIDED.

NOTES: UNLESS OTHERWISE SPECIFIED.

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 ANGULAR
.X ± .1 ± 0° 30'
.XX ± .01 FRACTIONS
.XXX ± .005 ± 1/32
DO NOT SCALE DRAWING

CONTRACT NO.

DRAWN H.J. DATE 10/14/99

CHECK

APPROVED H.J. 10/14/99

CAD FILENAME: ENG\DRAWINGS\CUD\AE774.B

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

TITLE CUSTOMER USE DRAWING
ELECTRICAL CONNECTOR, RECEPTACLE
SINGLE HOLE MOUNT, REAR RELEASE
REF.: MIL–DTL–26482 SERIES II, MS3474

SIZE D | CAGE NO. 59976 | DWG. NO. AE774

SCALE | SHEET 1 OF 1

NEXT ASSY	USED ON
APPLICATION	

MATERIAL

FINISH

TREATMENT

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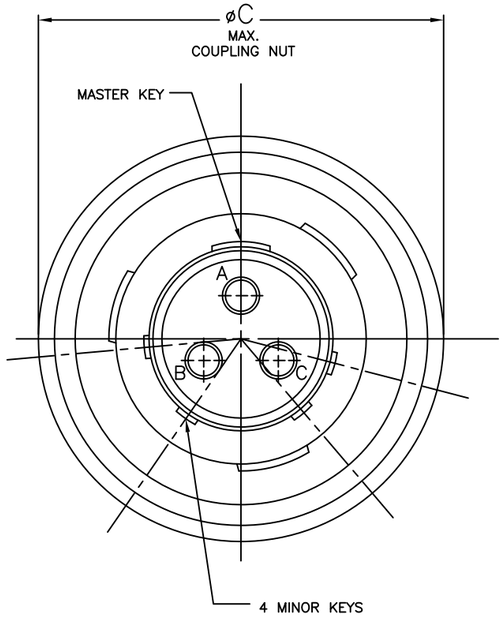
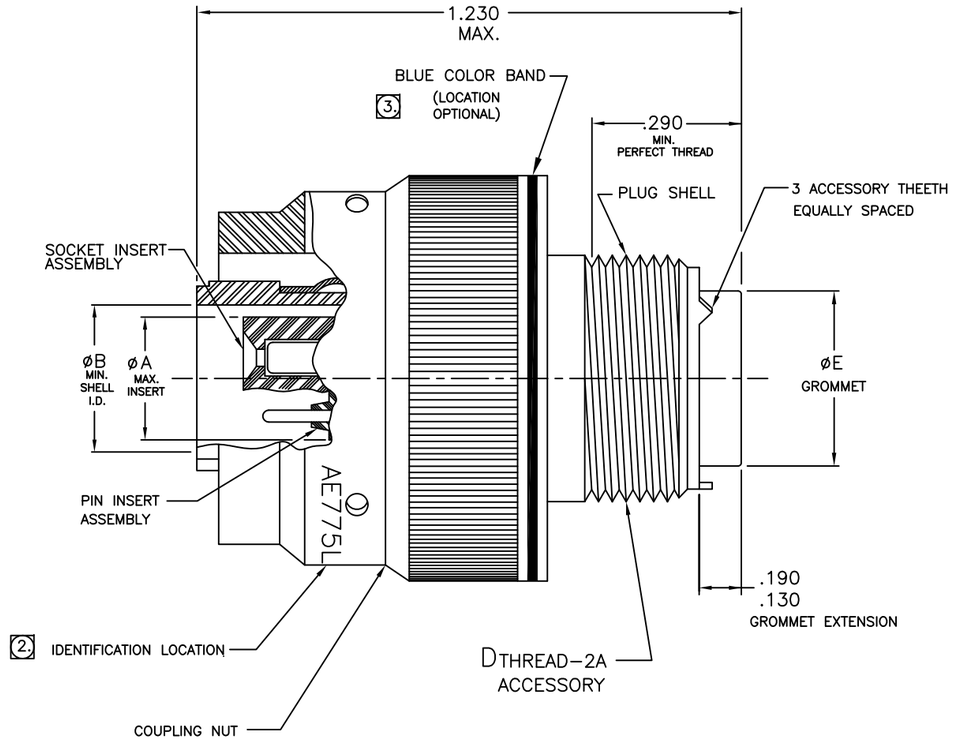
DWG. NO. AE774 REVISION B

REVISIONS				
ECO NO.	LTR	DESCRIPTION	DATE	APPROVED
9808	B	SEE ECO	03/25/14	H.J.



SOCKET ENGAGING FACE
(8–33 SHOWN)



MILITARY PART NUMBER
AERO PART NUMBER DEVELOPMENT

MS3475 L 22–21 P W
AE775 L 22–21 P W – XXX

AERO MODIFICATION NUMBER

POLARIZATION
NORMAL= BLANK
ALTERNATE POLARIZATION= W, X, Y AND Z

CONTACT TYPE
P= PIN
S= SOCKET

INSERT ARRANGEMENT
PER MIL–STD–1669

CONNECTOR CLASS
L= ALUMINUM, ELECTROLESS NICKEL
W= ALUMINUM, CADMIUM/OLIVE DRAB
**T= ALUMINUM, TEFLON NICKEL, CONDUCTIVE
**Z= ALUMINUM, ZINC NICKEL, CONDUCTIVE
**BN= ALUMINUM, BLACK NICKEL, CONDUCTIVE (RoHS)

AERO PRODUCT IDENTIFIER
REF.: MIL–DTL–26482 SERIES II
R.F.I PLUG SHELL

SHELL SIZE	øA MAX.	øB MIN.	øC MAX.	D THREAD–2A	øE MAX
8	.285	.292	.782	.500–20 UNF	.305
10	.402	.409	.926	.625–24 UNEF	.405
12	.516	.523	1.043	.750–20 UNEF	.531
14	.641	.648	1.183	.875–20 UNEF	.665
16	.766	.772	1.305	1.000–20 UNEF	.790
18	.855	.862	1.391	1.062–18 UNEF	.869
20	.980	.987	1.631	1.188–18 UNEF	.994
22	1.105	1.111	1.656	1.312–18 UNEF	1.119
24	1.229	1.237	1.777	1.438–18 UNEF	1.244

CONTACT SIZE	MILITARY PIN CONTACT PART No.	MILITARY SOCKET CONTACT PART No.	WIRE RANGE AWG	INSERTION/REMOVAL TOOLS	SEALING PLUGS
20	MIL–C–39029/4–110	MIL–C–39029/5–115	24–20	M81969/14–11	MS27488–20
16	MIL–C–39029/4–111	MIL–C–39029/5–116	20–16	M81969/14–03	MS27488–16
12	MIL–C–39029/4–113	MIL–C–39029/5–118	14–12	M81969/14–04	MS27488–12

**COMMERCIAL CONNECTOR CLASS (CONSULT FACTORY FOR AVAILABILITY)

3. BLUE BAND DESIGNATE REAR RELEASE CONTACT RETENTION SYSTEM, LOCATION OPTIONAL.

2. MARKING: "AERO", AERO PART NUMBER, MILITARY PART NUMBER AND MANUFACTURING DATE CODE TO BE MARKED IN APPROXIMATE LOCATION SHOWN. MILITARY PART NO. MUST NOT BE MARKED ON CLASSES "T", "Z", & "BN".

1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT, PLUS ONE SPARE CONTACT FOR CONNECTOR ARRANGEMENTS HAVING 26 CONTACTS OR LESS AND TWO (2) SPARES FOR ARRANGEMENTS OVER 26 CONTACTS WILL BE INCLUDED IN THE PACKAGE. A MINIMUM OF ONE SEALING PLUG UP TO 15% OF THE NUMBER OF CONTACTS WILL BE PROVIDED.

NOTES: UNLESS OTHERWISE SPECIFIED.

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

PARTS LIST

NEXT ASSY	USED ON
APPLICATION	

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

MATERIAL
FINISH
TREATMENT

CONTRACT NO.

DRAWN H.J.	DATE 9/15/98
CHECK	DATE
APPROVED H. J.	DATE 9/15/98

CAD FILENAME: ENG\DRAWINGS\CUD\AE775.B

conesys™ Aero Electric Connector Inc. 2280 208TH STREET Torrance, CA 90501

TITLE
CUSTOMER USE DRAWING
CONNECTOR
PLUG WITH R.F.I GROUNDING
REF: MIL–DTL–26482, SERIES II

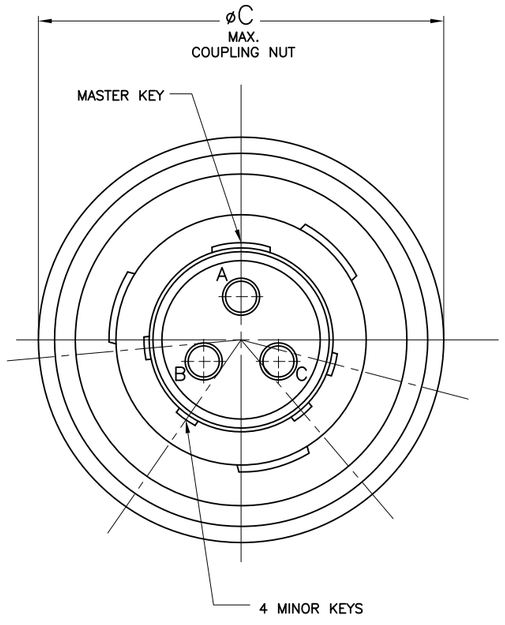
SIZE	CAGE NO.	DWG. NO.
D	59976	AE775

SCALE NONE SHEET 1 of 1

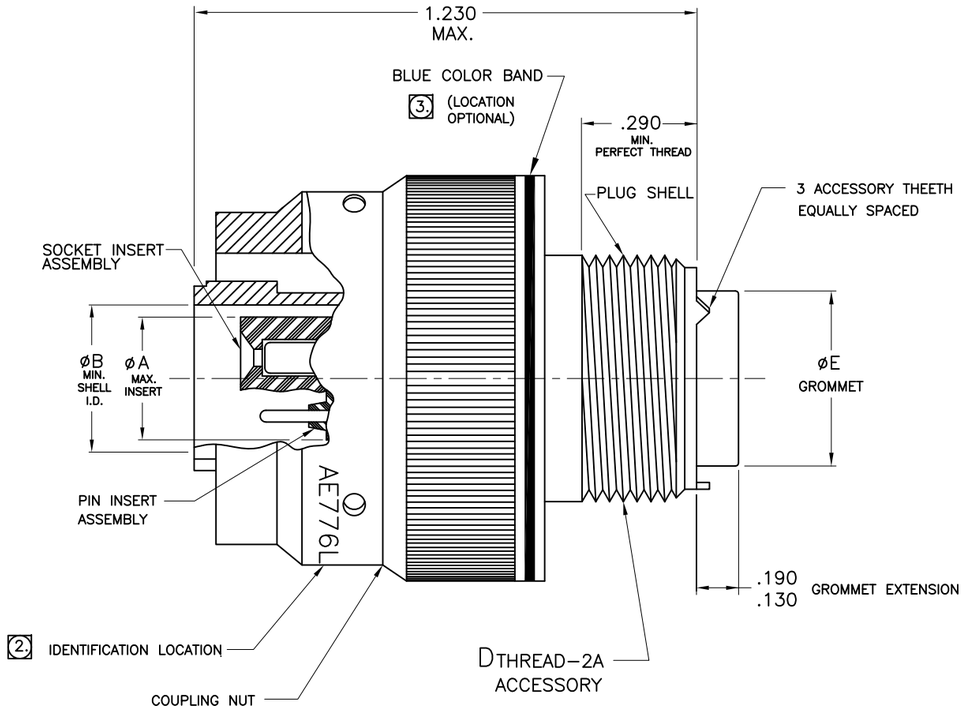
DWG NO. AE775 REVISION B

DWG. NO.	REVISION
AE776	D

REVISIONS				
ECO NO.	LTR	DESCRIPTION	DATE	APPROVED
9808	D	SEE ECO	03/25/14	H.J.



SOCKET ENGAGING FACE
(8–33 SHOWN)



MILITARY PART NUMBER
AERO PART NUMBER DEVELOPMENT

MS3476 L 22–21 P W
AE776 L 22–21 P W – XXX

AERO MODIFICATION NUMBER

POLARIZATION
NORMAL= BLANK
ALTERNATE POLARIZATION= W, X, Y AND Z

CONTACT TYPE
P= PIN
S= SOCKET

INSERT ARRANGEMENT
PER MIL–STD–1669

CONNECTOR CLASS
L= ALUMINUM, ELECTROLESS NICKEL
W= ALUMINUM, CADMIUM/OLIVE DRAB
A= ALUMINUM, BLACK ANODIZE, NON–CONDUCTIVE
S= STAINLESS STEEL, PASSIVATED 4.
**T= ALUMINUM, TEFLON NICKEL, CONDUCTIVE
**Z= ALUMINUM, ZINC NICKEL, CONDUCTIVE
**BN= ALUMINUM, BLACK NICKEL, CONDUCTIVE (RoHS)

AERO PRODUCT IDENTIFIER
REF.: MIL–DTL–26482 SERIES II
PLUG SHELL

SHELL SIZE	øA MAX.	øB MIN.	øC MAX.	D THREAD–2A	øE MAX
8	.285	.292	.782	.500–20 UNF	.305
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CONTACT SIZE	MILITARY PIN CONTACT PART No.	MILITARY SOCKET CONTACT PART No.	WIRE RANGE AWG	INSERTION/REMOVAL TOOLS	SEALING PLUGS
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12	MIL–C–39029/4–113	MIL–C–39029/5–118	14–12	M81969/14–04	MS27488–12

**COMMERCIAL CONNECTOR CLASS (CONSULT FACTORY FOR AVAILABILITY)

4. "S" IS NOT A NON–MILITARY CONNECTOR CLASS. MILITARY PART NUMBER SHALL NOT BE MARKED ON THE CONNECTOR.
3. BLUE BAND DESIGNATE REAR RELEASE CONTACT RETENTION SYSTEM, LOCATION OPTIONAL.
2. MARKING: "AERO", AERO PART NUMBER, MILITARY PART NUMBER AND MANUFACTURING DATE CODE TO BE MARKED IN APPROXIMATE LOCATION SHOWN. MILITARY PART NO. MUST NOT BE MARKED ON CLASSES "T", "Z", & "BN".
1. A QUANTITY OF CRIMP CONTACTS CONSISTING OF THE NORMAL COMPLIMENT, PLUS ONE SPARE CONTACT FOR CONNECTOR ARRANGEMENTS HAVING 26 CONTACTS OR LESS AND TWO (2) SPARES FOR ARRANGEMENTS OVER 26 CONTACTS WILL BE INCLUDED IN THE PACKAGE. A MINIMUM OF ONE SEALING PLUG UP TO 15% OF THE NUMBER OF CONTACTS WILL BE PROVIDED.

NOTES: UNLESS OTHERWISE SPECIFIED.

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

PARTS LIST

NEXT ASSY	USED ON
APPLICATION	

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TOLERANCES ON:
DECIMALS ANGULAR
.X ± .1 ± 0° 30'
.XX ± .01 FRACTIONS
.XXX ± .005 ± 1/32
DO NOT SCALE DRAWING

MATERIAL
FINISH
TREATMENT

CONTRACT NO.

DRAWN	DATE
H.J.	10/20/98
CHECK	DATE
APPROVED H.JAMSHIDIAN	DATE 10/21/98

CAD FILENAME: ENG\DRAWINGS\CUD\AE776.D

conesys™ Aero Electric Connector Inc. 2280 208TH STREET Torrance, CA 90501

TITLE
CUSTOMER USE DRAWING
PLUG CONNECTOR
CLASSES "L", "W", "A", "S", "T", "Z" & "BN"
REF: MIL–DTL–26482, SERIES II

SIZE	CAGE NO.	DWG. NO.
D	59976	AE776

SCALE NONE SHEET 1 of 1

DWG NO. AE776 REVISION D