

Air Electro, Inc.

Electrical Connectors, Contacts & Accessories

AE40 Catalog



**Cylindrical Connectors
for PCB Applications**



Established in 1952
Let our experience work for you.

Air Electro, Inc.
Electrical Connectors, Contacts & Accessories

Table of Contents

1	Wall Mounting Receptacle; Aluminum and Stainless
3	Wall Mounting Receptacle; Composite
5	Wall Mounting Receptacle with Clinch Nuts; Aluminum and Stainless
7	Wall Mounting Receptacle with Clinch Nuts; Composite
9	Wall Mounting Receptacle with Fixed PC Tail Contacts; Aluminum and Stainless
11	Wall Mounting Receptacle with Fixed PC Tail Contacts; Composite
13	Wall Mount Receptacle with Right Angle PC Tails; Aluminum and Stainless
15	Wall Mount Receptacle with Right Angle PC Tails; Composite
17	Box Mount Receptacle with PC Tails; Aluminum and Stainless
19	Box Mount Receptacle with PC Tails; Composite
21	Box Mount Receptacle with PC Tails and Clinch Nuts; Aluminum and Stainless
23	Box Mount Receptacle with PC Tails and Clinch Nuts; Composite
25	Box Mount Receptacle with Right Angle PC Tails; Aluminum and Stainless
27	Box Mount Receptacle with Right Angle PC Tails; Composite
29	Box Mount Receptacle with Double Flange; Aluminum and Stainless
31	Box Mount Receptacle with Double Flange; Composite
33	Jam Nut Mounting Receptacle; Aluminum, Stainless, and Composite
35	Jam Nut Receptacle with Double Flange; Aluminum and Stainless
37	Jam Nut Receptacle with Right Angle PC Tails
39	PC Board Standoff Adaptor
41	Contact Options for PC Tail Connectors
43	MIL-STD-1560 Insert Arrangements



Inside This Catalogue:

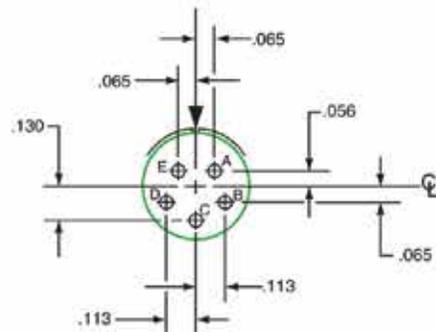
The Air Electro AE Catalogue was designed to serve as a tool for buyers and engineers to help in the selection of circular connectors with printed circuit tail contacts, as well as a variety of other customizable features to assist in board level mounting.



Part #: AE40R/24FC98PA-101
D38999 Ser. III Jam Nut Receptacle
with Right Angle PC Tail Contact



Part #: AE40BX/20WJ35SN-101
Double Flange, PC Tail High Density.
Stability for thin PC Tails. Helicoils loaded
into shell for ease of assembly to board.



All Air Electro product in this catalogue meet or exceed the applicable requirements of military specifications, including but not limited to MIL-DTL-38999, MIL-C-26482 & MIL-DTL-5015, MIL-DTL-26500 and MIL-DTL-83723.

We utilize the most common shell sizes, styles, plating types and insert arrangements to provide better availability and competitive pricing.

With a full in-house engineering team and dedicated machinery, our connector and contact capabilities are not limited to what is in this catalogue – so please contact sales@airelectro.com for any additional requirements.

Manufacturing at *Air Electro, Inc.*

With over 60 years of experience in the Mil/Aero Interconnect Industry, Air Electro has evolved into an industry leader in the design and manufacturing of specialized connectors and contacts.

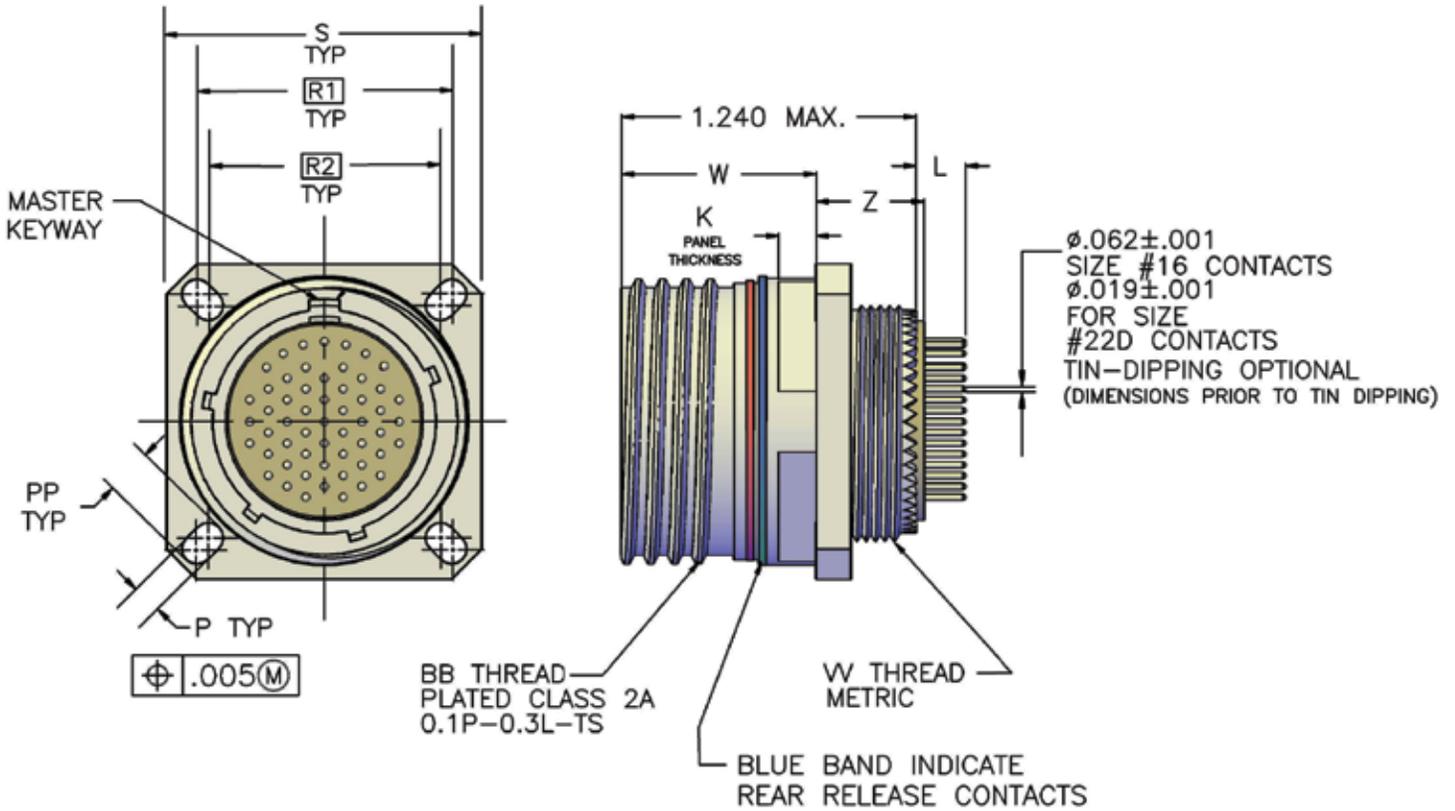
Air Electro's expertise in cylindrical connectors with printed circuit contacts makes us the Company of choice for specialized applications in military and commercial aerospace. These products are available in a variety of shell styles, including jam nut, box mount and wall mount receptacles, with the option for low profile shells, double flange, and integrated back shells, along with clinch nuts or helicoils for mounting. Epoxy sealed and EMI filtering is also available. Contact capabilities range from straight PC tail to right angle, to PC tail coax and triax with the ability to design per any required dimensions, materials and plating requirements including NADCAP approved plating. Permanency of marking, band protection and laser marked part numbers are also available.

Air Electro is ISO 9001 & AS 9100 certified, and our quality evaluation lab and engineering department utilizes the latest equipment, analysis tools and computer aided design software. Our products are designed to meet or exceed applicable Military and customer specifications.



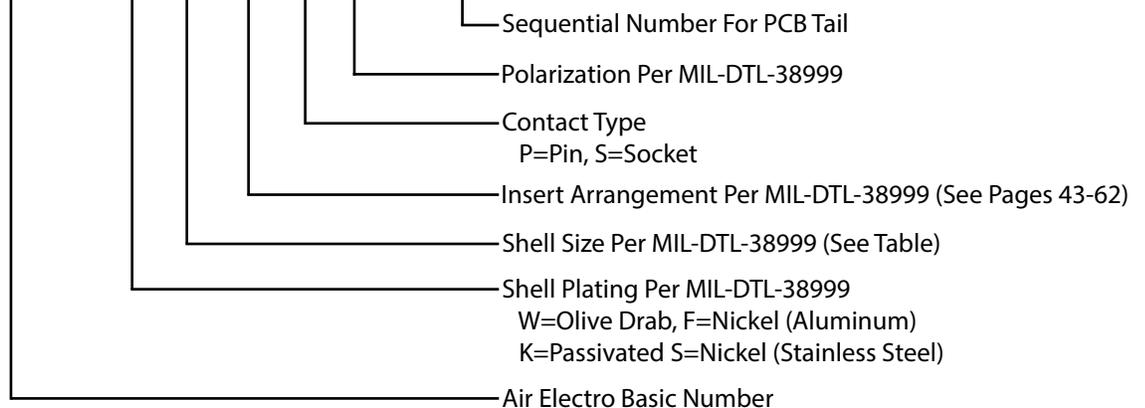
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

WALL MOUNTING RECEPTACLE



How To Order:

AE40/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



WALL MOUNTING RECEPTACLE

SHELL SIZE		PART NUMBER	BB THREAD	Z MAX	R1	R2	S ±.011	P ±.008	PP ±.008
9	A	AE40/20AXXXX-101	.6250	.469	.719	.594	.937	.128	.216
11	B	AE40/20XBXXX-101	.7500		.812	.719	1.031		.194
13	C	AE40/20XCXXX-101	.8750		.906	.812	1.126		.194
15	D	AE40/20DXXXX-101	1.0000		.969	.906	1.220		.173
17	E	AE40/20EXXXX-101	1.1875		1.062	.969	1.311		.194
19	F	AE40/20FXXXX-101	1.2500		1.156	1.062	1.437		.194
21	G	AE40/20GXXXX-101	1.3750	.499	1.250	1.156	1.563	.154	.194
23	H	AE40/20HXXXX-101	1.5000		1.375	1.250	1.689		.242
25	J	AE40/20JXXXX-101	1.6250		1.500	1.375	1.811		.242

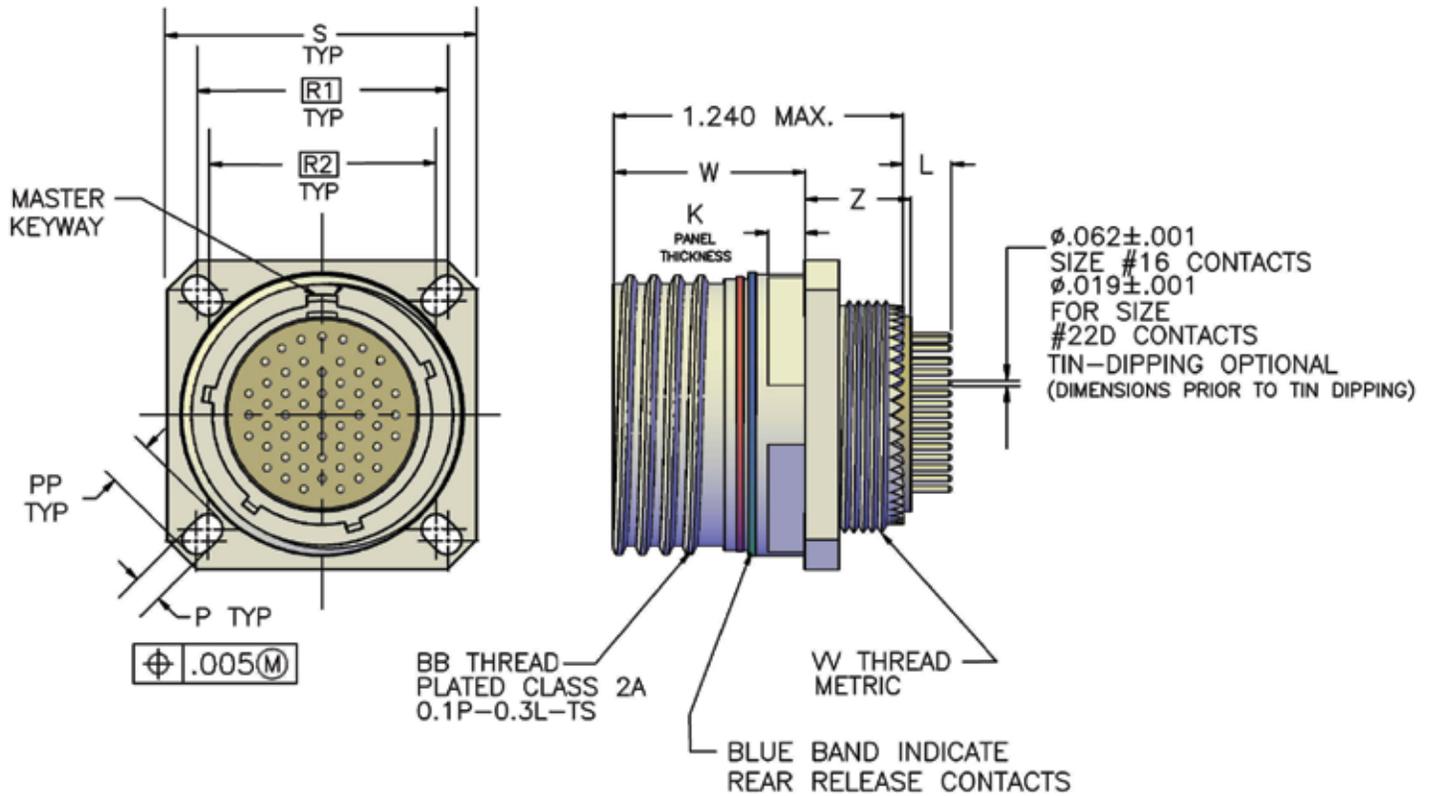
SHELL SIZE		PART NUMBER	VV THREAD	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40/20AXXXX-101	M12x1.0-6g 0.100R	.820 .770	.228	.918 MAX	.228 .178	.242 .181
11	B	AE40/20XBXXX-101	M15x1.0-6g 0.100R					
13	C	AE40/20XCXXX-101	M18x1.0-6g 0.100R					
15	D	AE40/20DXXXX-101	M22x1.0-6g 0.100R					
17	E	AE40/20EXXXX-101	M25x1.0-6g 0.100R					
19	F	AE40/20FXXXX-101	M28x1.0-6g 0.100R					
21	G	AE40/20GXXXX-101	M31x1.0-6g 0.100R	.790 .741	.197	.916 MAX		
23	H	AE40/20HXXXX-101	M34x1.0-6g 0.100R					
25	J	AE40/20JXXXX-101	M37x1.0-6g 0.100R					

- Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20, Except For PCB Tail Contacts.
- Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
- All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

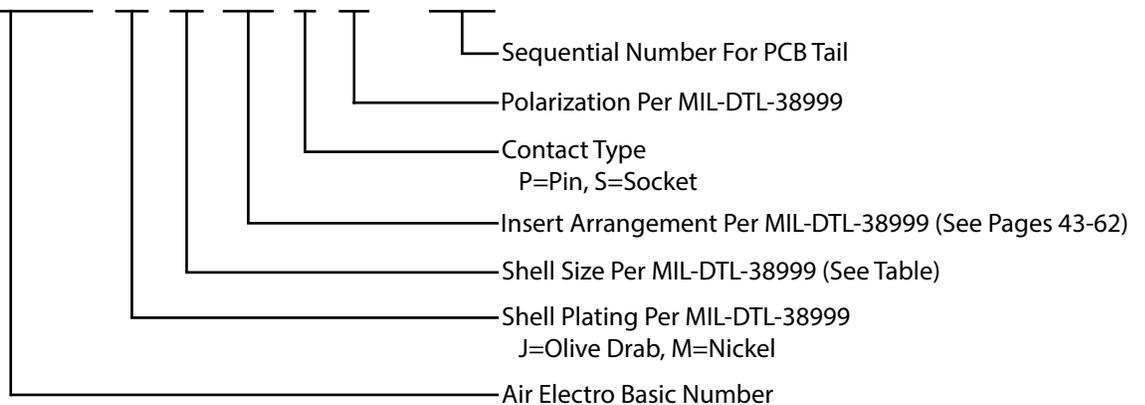
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

WALL MOUNTING RECEPTACLE



How To Order:

AE40/20 J A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors

With PCB Contacts, Composite



WALL MOUNTING RECEPTACLE

SHELL SIZE		PART NUMBER	BB THREAD	Z MAX	R1	R2	S ±.011	P ±.008
9	A	AE40/20XAXXXX-101	.6250	.514	.719	.594	.937	.128
11	B	AE40/20XBXXXX-101	.7500		.812	.719	1.031	
13	C	AE40/20XCXXXX-101	.8750		.906	.812	1.126	
15	D	AE40/20XDXXXX-101	1.0000		.969	.906	1.220	
17	E	AE40/20EXXXXX-101	1.1875		1.062	.969	1.311	
19	F	AE40/20FXXXXX-101	1.2500		1.156	1.062	1.437	
21	G	AE40/20GXXXXX-101	1.3750	.545	1.250	1.156	1.563	.154
23	H	AE40/20HXXXXX-101	1.5000		1.375	1.250	1.689	
25	J	AE40/20JXXXX-101	1.6250		1.500	1.375	1.811	

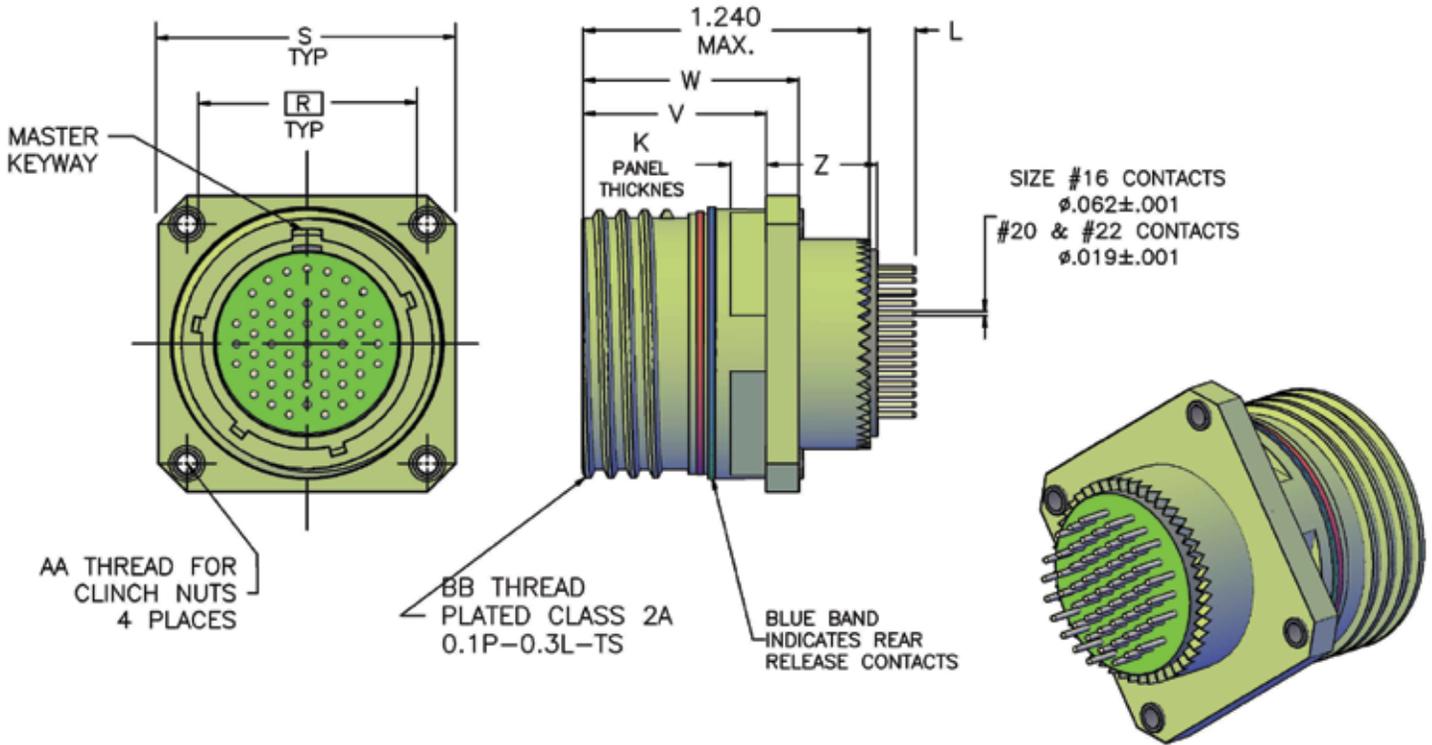
SHELL SIZE		PART NUMBER	PP ±.008	VV THREAD	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40/20XAXXXX-101	.216	M12x1.0-6g 0.100R	.823 .768	.228	.913 MAX	228 .178	.242 .181
11	B	AE40/20XBXXXX-101	.194	M15x1.0-6g 0.100R					
13	C	AE40/20XCXXXX-101	.194	M18x1.0-6g 0.100R					
15	D	AE40/20XDXXXX-101	.173	M22x1.0-6g 0.100R					
17	E	AE40/20EXXXXX-101	.194	M25x1.0-6g 0.100R					
19	F	AE40/20FXXXXX-101	.194	M28x1.0-6g 0.100R					
21	G	AE40/20GXXXXX-101	.194	M31x1.0-6g 0.100R	.791 .739	.197	.909 MAX		
23	H	AE40/20HXXXXX-101	.242	M34x1.0-6g 0.100R					
25	J	AE40/20JXXXX-101	.242	M37x1.0-6g 0.100R					

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

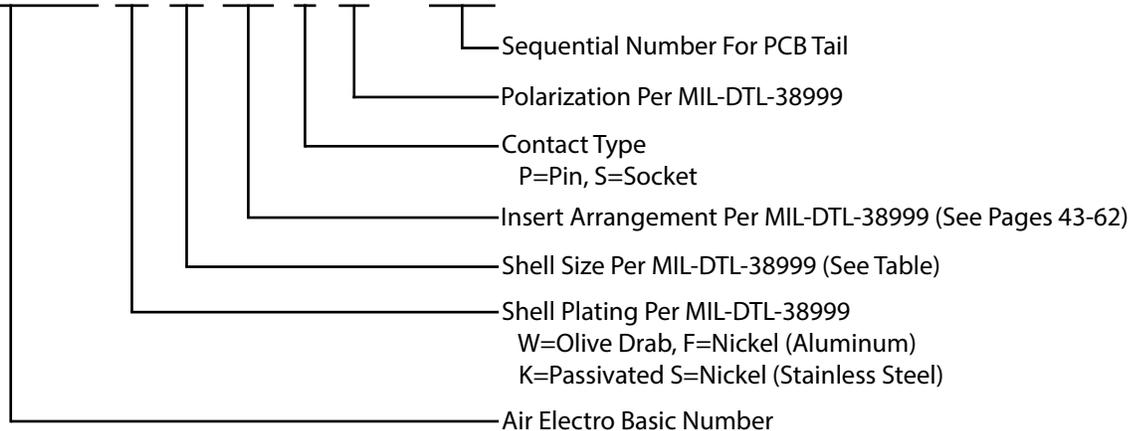
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

WALL MOUNTING RECEPTACLE WITH CLINCH NUTS



How To Order:

AE40CL/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



WALL MOUNTING RECEPTACLE WITH CLINCH NUTS

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	Z MAX	R	S MAX
9	A	AE40CL/20XAXXXX-101	.112-40 UNC-3B	.6250	.469	.719	1.093
11	B	AE40CL/20XBXXXX-101		.7500		.812	1.185
13	C	AE40CL/20XCXXXX-101		.8750		.906	1.280
15	D	AE40CL/20XDXXXX-101		1.0000		.969	1.343
17	E	AE40CL/20EXXXXX-101		1.1875		1.062	1.435
19	F	AE40CL/20FXXXXX-101		1.2500		1.156	1.530
21	G	AE40CL/20GXXXXX-101		1.3750		.499	1.250
23	H	AE40CL/20HXXXXX-101	.138-32 UNC-3B	1.5000	1.375		1.748
25	J	AE40CL/20JXXXX-101		1.6250	1.500		1.873

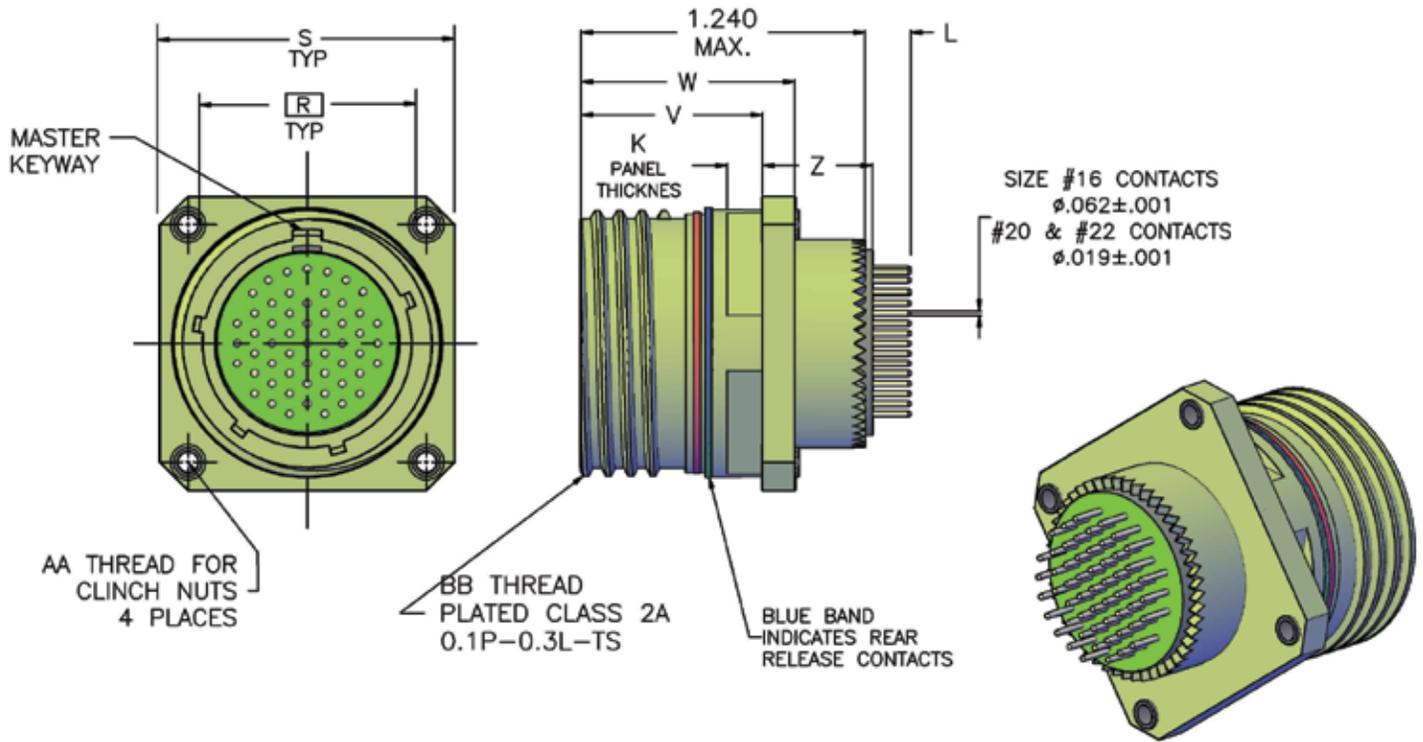
SHELL SIZE		PART NUMBER	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40CL/20XAXXXX-101	.820 .771	.228	.918 MAX	.228 .178	.242 .181
11	B	AE40CL/20XBXXXX-101					
13	C	AE40CL/20XCXXXX-101					
15	D	AE40CL/20XDXXXX-101					
17	E	AE40CL/20EXXXXX-101					
19	F	AE40CL/20FXXXXX-101					
21	G	AE40CL/20GXXXXX-101	.790 .741	.197	.916 MAX		
23	H	AE40CL/20HXXXXX-101					
25	J	AE40CL/20JXXXX-101					

- Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
- Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
- All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

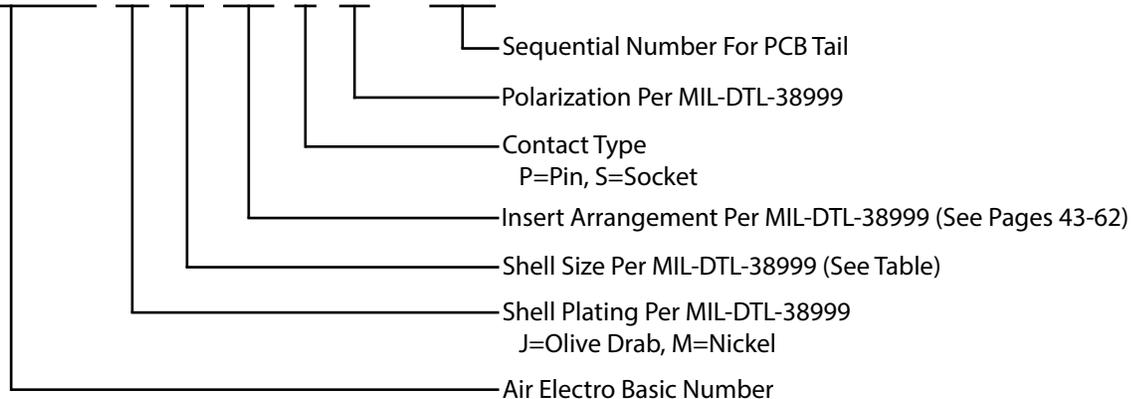
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

WALL MOUNTING RECEPTACLE WITH CLINCH NUTS



How To Order:

AE40CL/20 J A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors

With PCB Contacts, Composite



WALL MOUNTING RECEPTACLE WITH CLINCH NUTS

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	Z MAX	R	S MAX
9	A	AE40CL/20XAXXXX-101	.112-40 UNC-3B	.6250	.514	.719	1.093
11	B	AE40CL/20XBXXXX-101		.7500		.812	1.185
13	C	AE40CL/20XCXXXX-101		.8750		.906	1.280
15	D	AE40CL/20XDXXXX-101		1.0000		.969	1.343
17	E	AE40CL/20EXXXXX-101		1.1875		1.062	1.435
19	F	AE40CL/20FXXXXX-101		1.2500		1.156	1.530
21	G	AE40CL/20GXXXXX-101		1.3750		.545	1.250
23	H	AE40CL/20HXXXXX-101	.138-32 UNC-3B	1.5000	1.375		1.748
25	J	AE40CL/20JXXXX-101		1.6250	1.500		1.873

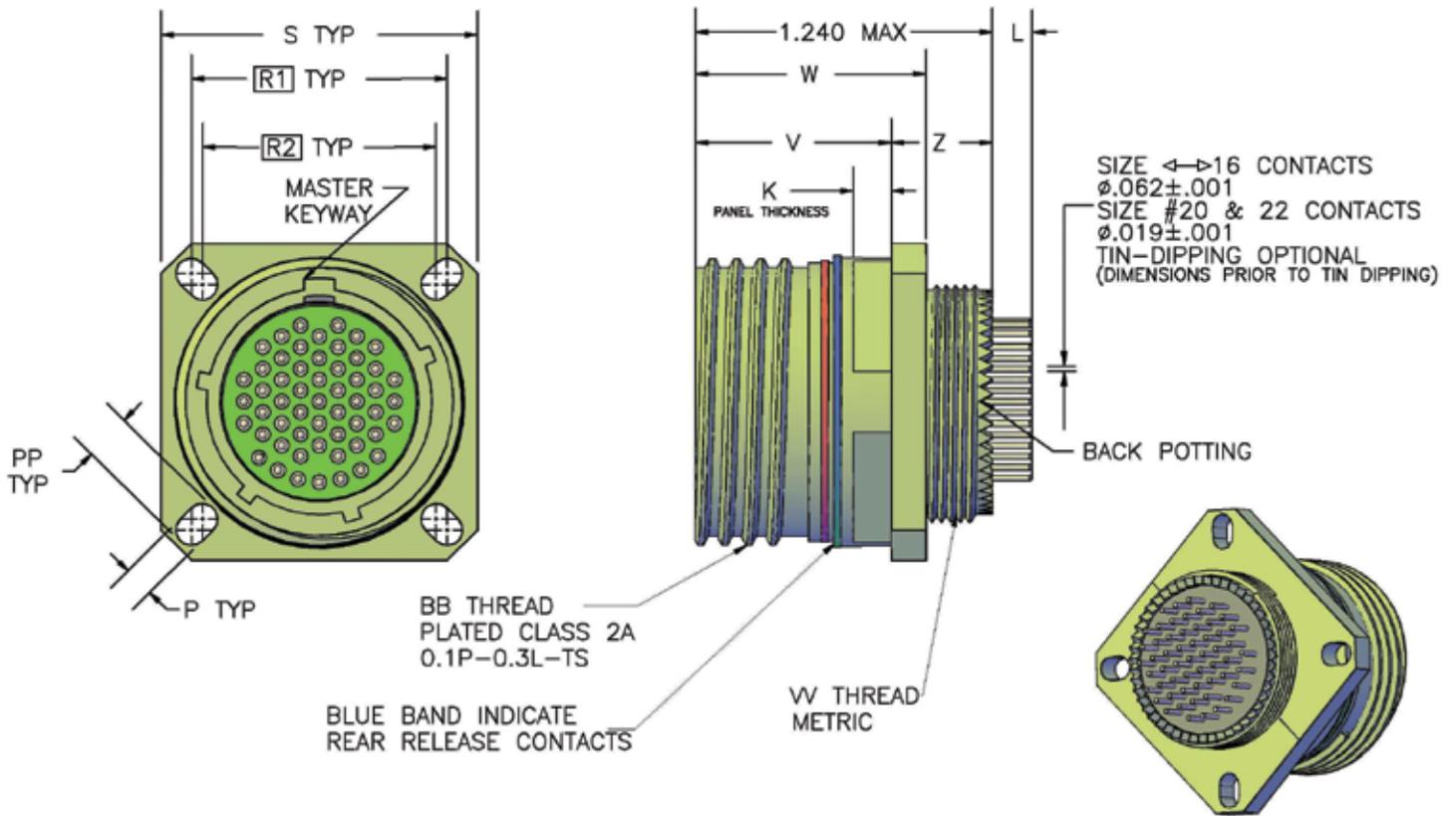
SHELL SIZE		PART NUMBER	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40CL/20XAXXXX-101	.823 .768	.228	.913 MAX	.228 .178	.242 .181
11	B	AE40CL/20XBXXXX-101					
13	C	AE40CL/20XCXXXX-101					
15	D	AE40CL/20XDXXXX-101					
17	E	AE40CL/20EXXXXX-101					
19	F	AE40CL/20FXXXXX-101					
21	G	AE40CL/20GXXXXX-101	.791 .739	.197	.909 MAX		
23	H	AE40CL/20HXXXXX-101					
25	J	AE40CL/20JXXXX-101					

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

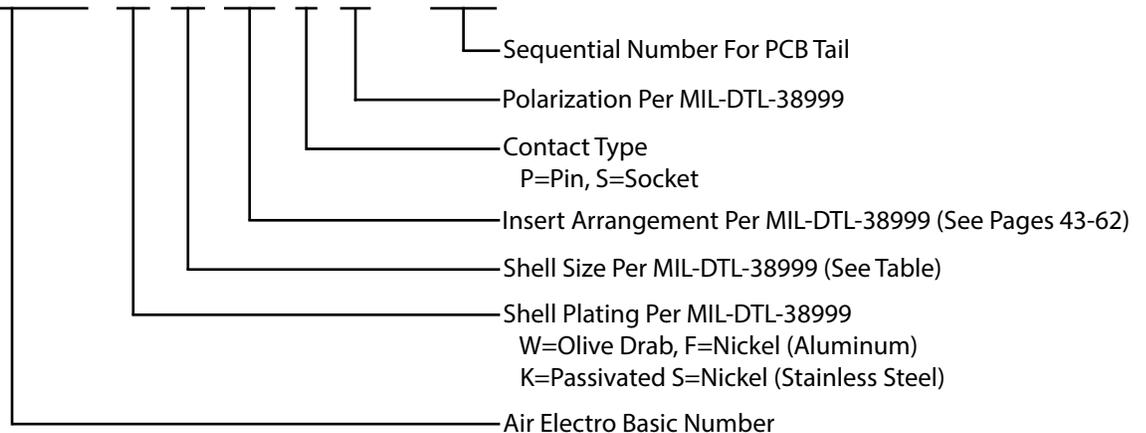
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

WALL MOUNTING RECEPTACLE WITH FIXED PC TAIL CONTACTS



How To Order:

AE40E/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



WALL MOUNTING RECEPTACLE WITH FIXED PC TAIL CONTACTS

SHELL SIZE		PART NUMBER	BB THREAD	R1	R2	S ±.011	P ±.008
9	A	AE40E/20XAXXXX-101	.6250	.719	.594	.937	.128
11	B	AE40E/20XBXXXX-101	.7500	.812	.719	1.031	
13	C	AE40E/20XCXXXX-101	.8750	.906	.812	1.126	
15	D	AE40E/20XDXXXX-101	1.0000	.969	.906	1.220	
17	E	AE40E/20EXXXXX-101	1.1875	1.062	.969	1.311	
19	F	AE40E/20FXXXXX-101	1.2500	1.156	1.062	1.437	
21	G	AE40E/20GXXXXX-101	1.3750	1.250	1.156	1.563	
23	H	AE40E/20HXXXXX-101	1.5000	1.375	1.250	1.689	.154
25	J	AE40E/20JXXXX-101	1.6250	1.500	1.375	1.811	

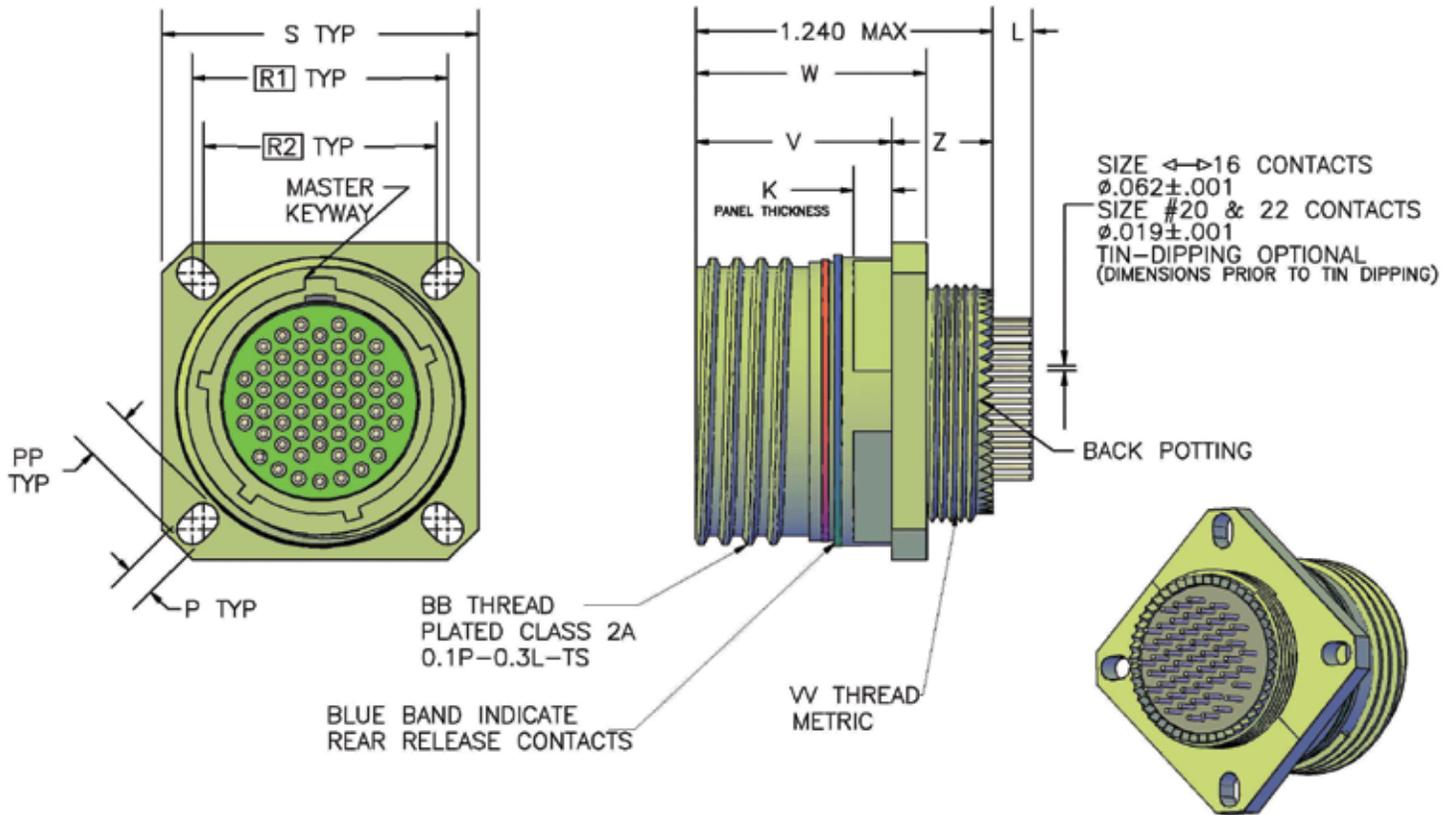
SHELL SIZE		PART NUMBER	PP ±.008	VV THREAD	V	K MAX	W	"L" SIZE 6 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40E/20XAXXXX-101	.216	M12x1.0-6g 0.100R	.820 .771	.228	.918 MAX	.228 .178	.242 .181
11	B	AE40E/20XBXXXX-101	.194	M15x1.0-6g 0.100R					
13	C	AE40E/20XCXXXX-101	.194	M18x1.0-6g 0.100R					
15	D	AE40E/20XDXXXX-101	.173	M22x1.0-6g 0.100R					
17	E	AE40E/20EXXXXX-101	.194	M25x1.0-6g 0.100R					
19	F	AE40E/20FXXXXX-101	.194	M28x1.0-6g 0.100R					
21	G	AE40E/20GXXXXX-101	.194	M31x1.0-6g 0.100R	.820 .771	.197	.189 MAX		
23	H	AE40E/20HXXXXX-101	.242	M34x1.0-6g 0.100R					
25	J	AE40E/20JXXXX-101	.242	M37x1.0-6g 0.100R					

1. Contacts Are Fixed, Non-Removable, with Guaranteed Alignment.
2. Standard Contact Finish: .000050 Thick Min Gold Per Type
Mil-G-45204, II, Grade C, Class 1, Over .000050 Min. Nickel
3. Contact Material: Suitable Copper Alloy
4. Back Potting With Non-Conductive Epoxy Sealed Contacts.
5. Call Factory For Variations On PC Tail Length, Diameter,
Shell Material, And Low Profile Connector (Short Rear)
6. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

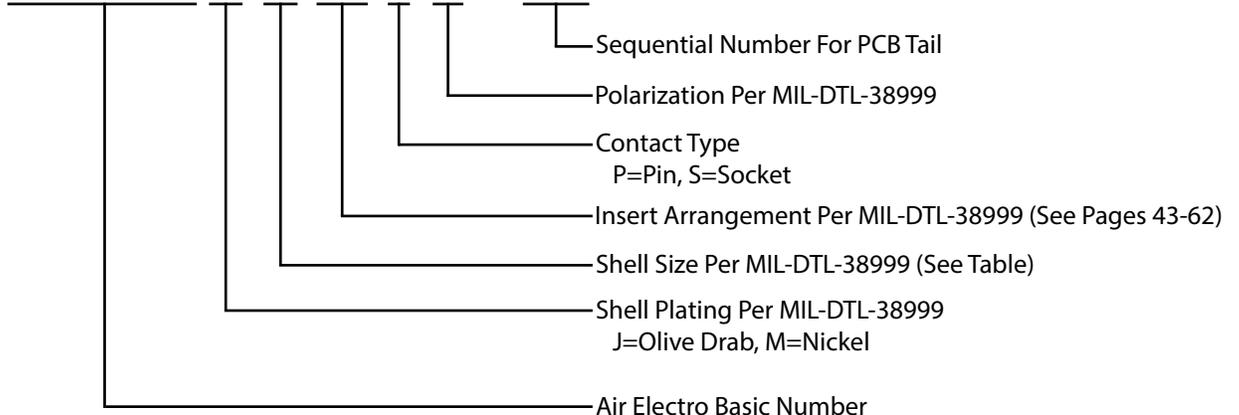
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

WALL MOUNTING RECEPTACLE WITH FIXED PC TAIL CONTACTS



How To Order:

AE40E/20 J A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite



WALL MOUNTING RECEPTACLE WITH FIXED PC TAIL CONTACTS

SHELL SIZE		PART NUMBER	BB THREAD	R1	R2	S ±.011	P ±.008
9	A	AE40E/20AXXXX-101	.6250	.719	.594	.937	.128
11	B	AE40E/20XBXXX-101	.7500	.812	.719	1.031	
13	C	AE40E/20XCXXX-101	.8750	.906	.812	1.126	
15	D	AE40E/20XDXXX-101	1.0000	.969	.906	1.220	
17	E	AE40E/20EXXXX-101	1.1875	1.062	.969	1.311	
19	F	AE40E/20FXXXX-101	1.2500	1.156	1.062	1.437	
21	G	AE40E/20GXXXX-101	1.3750	1.250	1.156	1.563	
23	H	AE40E/20HXXXX-101	1.5000	1.375	1.250	1.689	.154
25	J	AE40E/20JXXXX-101	1.6250	1.500	1.375	1.811	

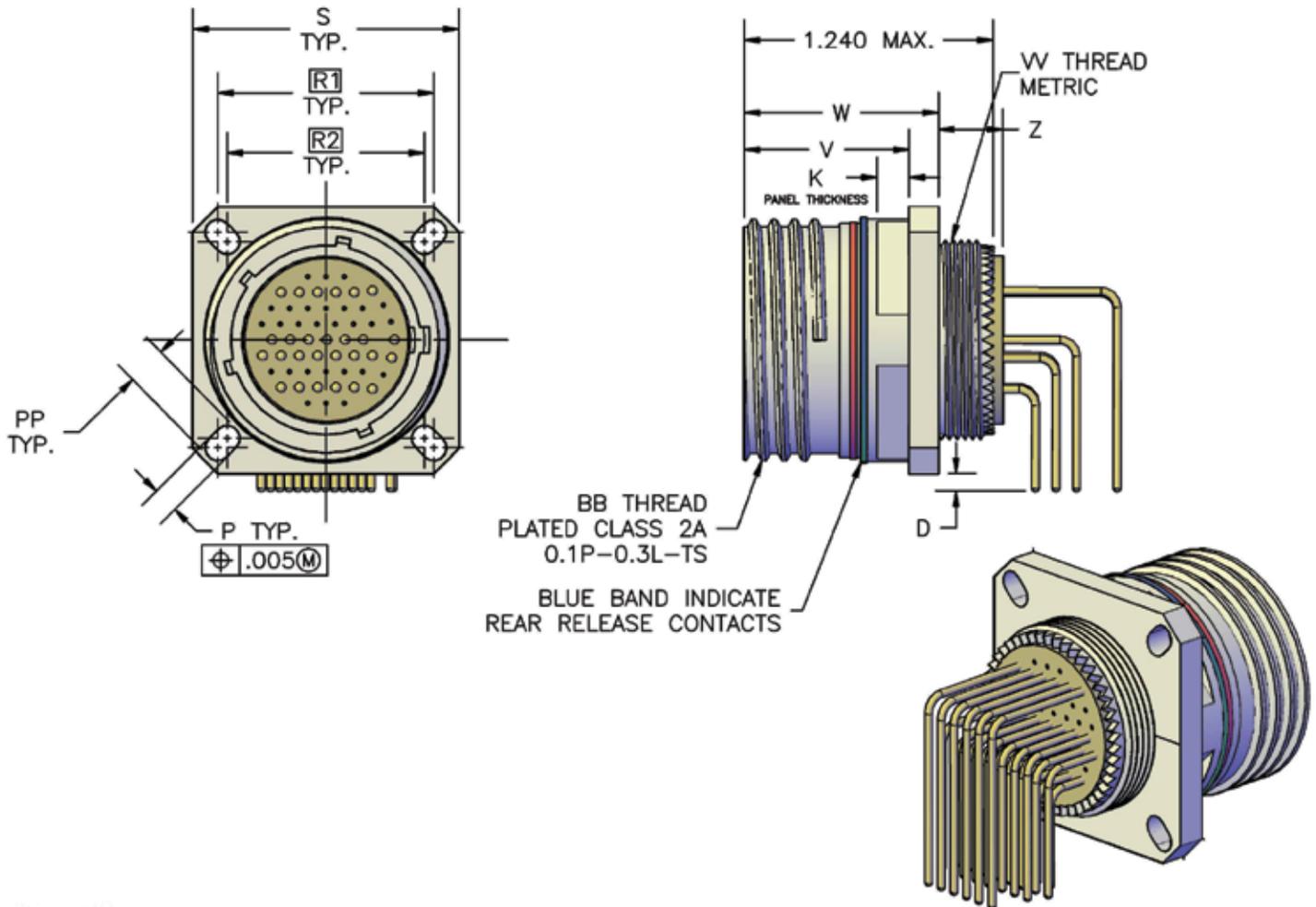
SHELL SIZE		PART NUMBER	PP ±.008	VV THREAD	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40E/20AXXXX-101	.216	M12x1.0-6g 0.100R	.823 .768	.228	.913 MAX	.228 .178	.242 .181
11	B	AE40E/20XBXXX-101	.194	M15x1.0-6g 0.100R					
13	C	AE40E/20XCXXX-101	.194	M18x1.0-6g 0.100R					
15	D	AE40E/20XDXXX-101	.173	M22x1.0-6g 0.100R					
17	E	AE40E/20EXXXX-101	.194	M25x1.0-6g 0.100R					
19	F	AE40E/20FXXXX-101	.194	M28x1.0-6g 0.100R					
21	G	AE40E/20GXXXX-101	.194	M31x1.0-6g 0.100R	.791 .739	.197	.909 MAX		
23	H	AE40E/20HXXXX-101	.242	M34x1.0-6g 0.100R					
25	J	AE40E/20JXXXX-101	.242	M37x1.0-6g 0.100R					

1. Contacts Are Fixed, Non-Removable, with Guaranteed Alignment.
2. Standard Contact Finish: .000050 Thick Min Gold Per Type Mil-G-45204, II, Grade C, Class 1, Over .000050 Min. Nickel
3. Contact Material: Suitable Copper Alloy
5. Back Potting With Non-Conductive Epoxy Sealed Contacts.
6. Call Factory For Variations On PC Tail Length, Diameter, Shell Material, And Low Profile Connector (Short Rear)
7. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

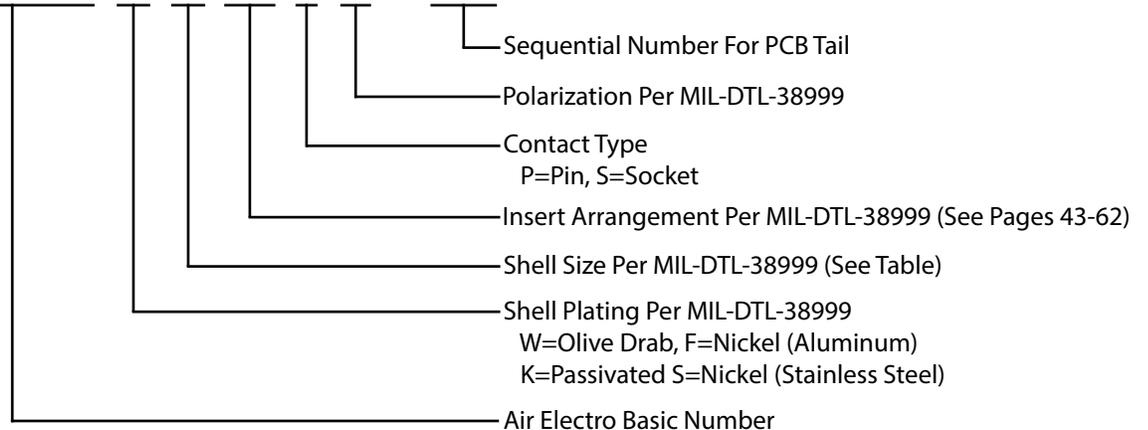
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

WALL MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS



How To Order:

AE40R/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



WALL MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS

SHELL SIZE		PART NUMBER	BB THREAD	Z MAX	R1	R2	S ±.011	P ±.008
9	A	AE40R/20XAXXXX-101	.6250	.469	.719	.594	.937	.128
11	B	AE40R/20XBXXXX-101	.7500		.812	.719	1.031	
13	C	AE40R/20XCXXXX-101	.8750		.906	.812	1.126	
15	D	AE40R/20XDXXXX-101	1.0000		.969	.906	1.220	
17	E	AE40R/20EXXXXX-101	1.1875		1.062	.969	1.311	
19	F	AE40R/20FXXXXX-101	1.2500		1.156	1.062	1.437	
21	G	AE40R/20GXXXXX-101	1.3750	.499	1.250	1.156	1.563	.154
23	H	AE40R/20HXXXXX-101	1.5000		1.375	1.250	1.689	
25	J	AE40R/20JXXXX-101	1.6250		1.500	1.375	1.811	

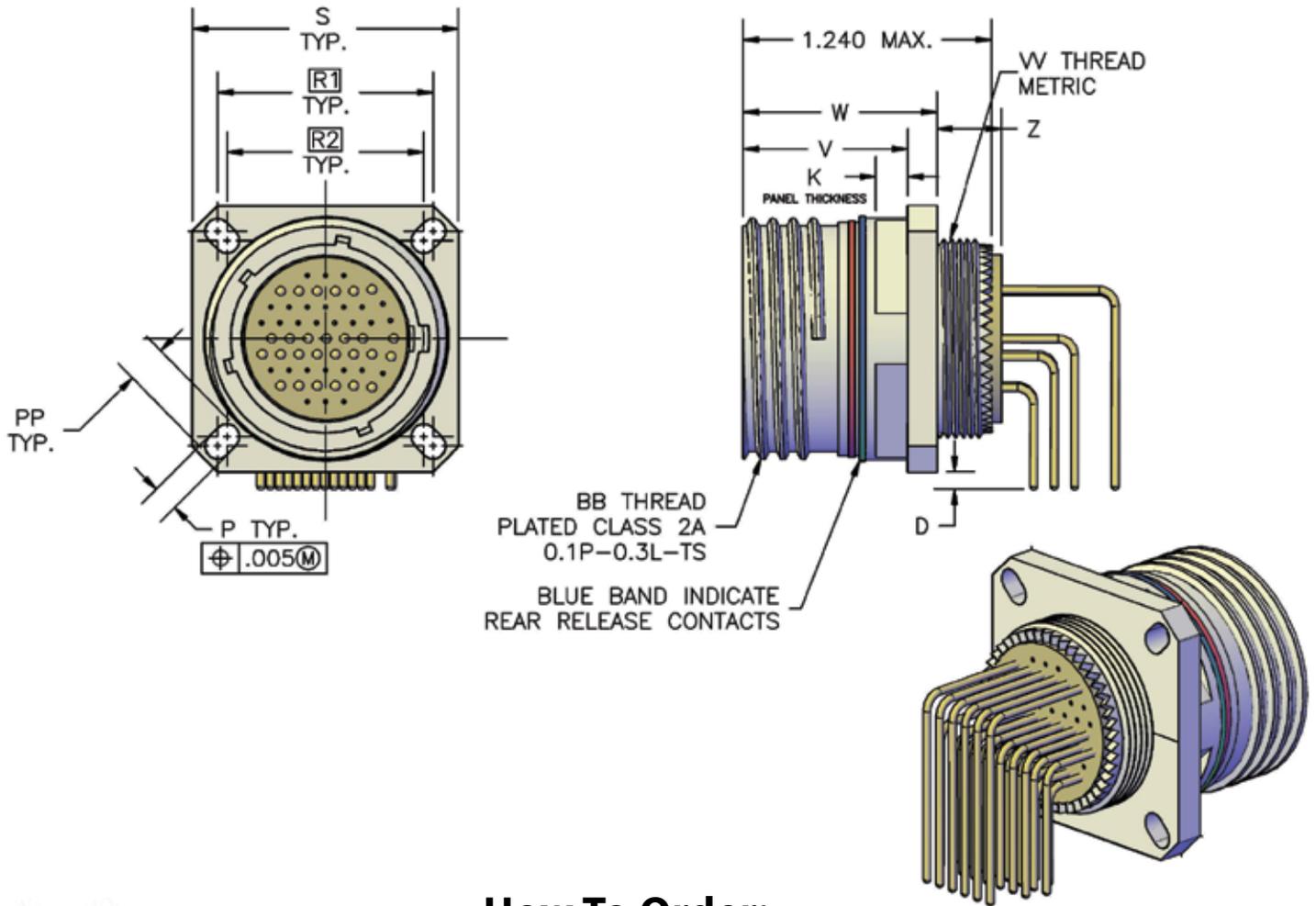
SHELL SIZE		PART NUMBER	PP ±.008	VV THREAD	V	K MAX	W
9	A	AE40R/20XAXXXX-101	.216	M12x1.0-6g 0.100R	.820 .771	.228	.918 MAX
11	B	AE40R/20XBXXXX-101	.194	M15x1.0-6g 0.100R			
13	C	AE40R/20XCXXXX-101	.194	M18x1.0-6g 0.100R			
15	D	AE40R/20XDXXXX-101	.173	M22x1.0-6g 0.100R			
17	E	AE40R/20EXXXXX-101	.194	M25x1.0-6g 0.100R			
19	F	AE40R/20FXXXXX-101	.194	M28x1.0-6g 0.100R			
21	G	AE40R/20GXXXXX-101	.194	M31x1.0-6g 0.100R	.790 .741	.197	.916 MAX
23	H	AE40R/20HXXXXX-101	.242	M34x1.0-6g 0.100R			
25	J	AE40R/20JXXXX-101	.242	M37x1.0-6g 0.100R			

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

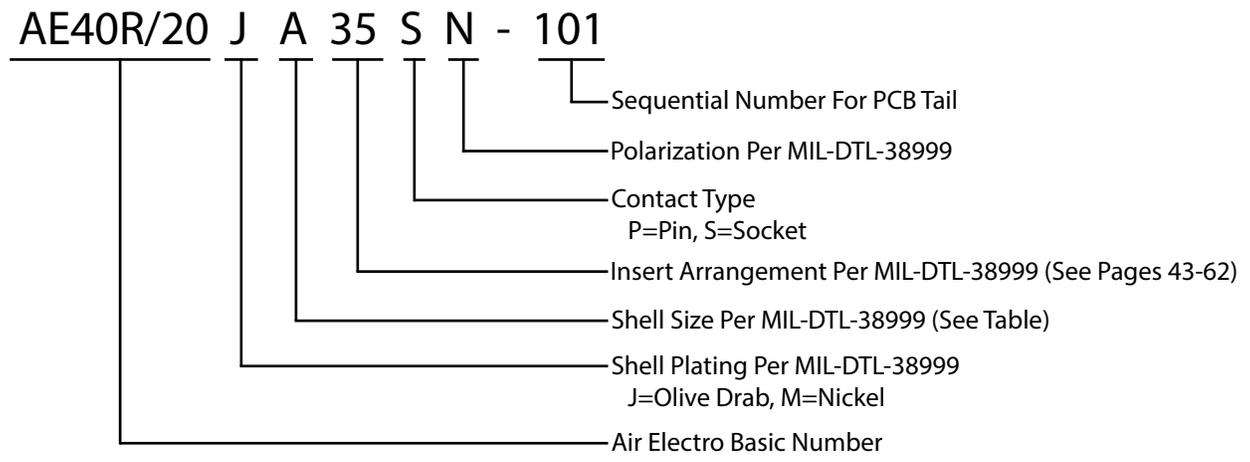
This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

WALL MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS



How To Order:



MIL-DTL-38999/20 Series III Type Connectors

With PCB Contacts, Composite



WALL MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS

SHELL SIZE		PART NUMBER	BB THREAD	Z MAX	R1	R2	S ±.011	P ±.008
9	A	AE40R/20XAXXXX-101	.6250	.514	.719	.594	.937	.128
11	B	AE40R/20XBXXXX-101	.7500		.812	.719	1.031	
13	C	AE40R/20XCXXXX-101	.8750		.906	.812	1.126	
15	D	AE40R/20XDXXXX-101	1.0000		.969	.906	1.220	
17	E	AE40R/20EXXXXX-101	1.1875		1.062	.969	1.311	
19	F	AE40R/20FXXXXX-101	1.2500		1.156	1.062	1.437	
21	G	AE40R/20GXXXXX-101	1.3750	.545	1.250	1.156	1.563	.154
23	H	AE40R/20HXXXXX-101	1.5000		1.375	1.250	1.689	
25	J	AE40R/20JXXXX-101	1.6250		1.500	1.375	1.811	

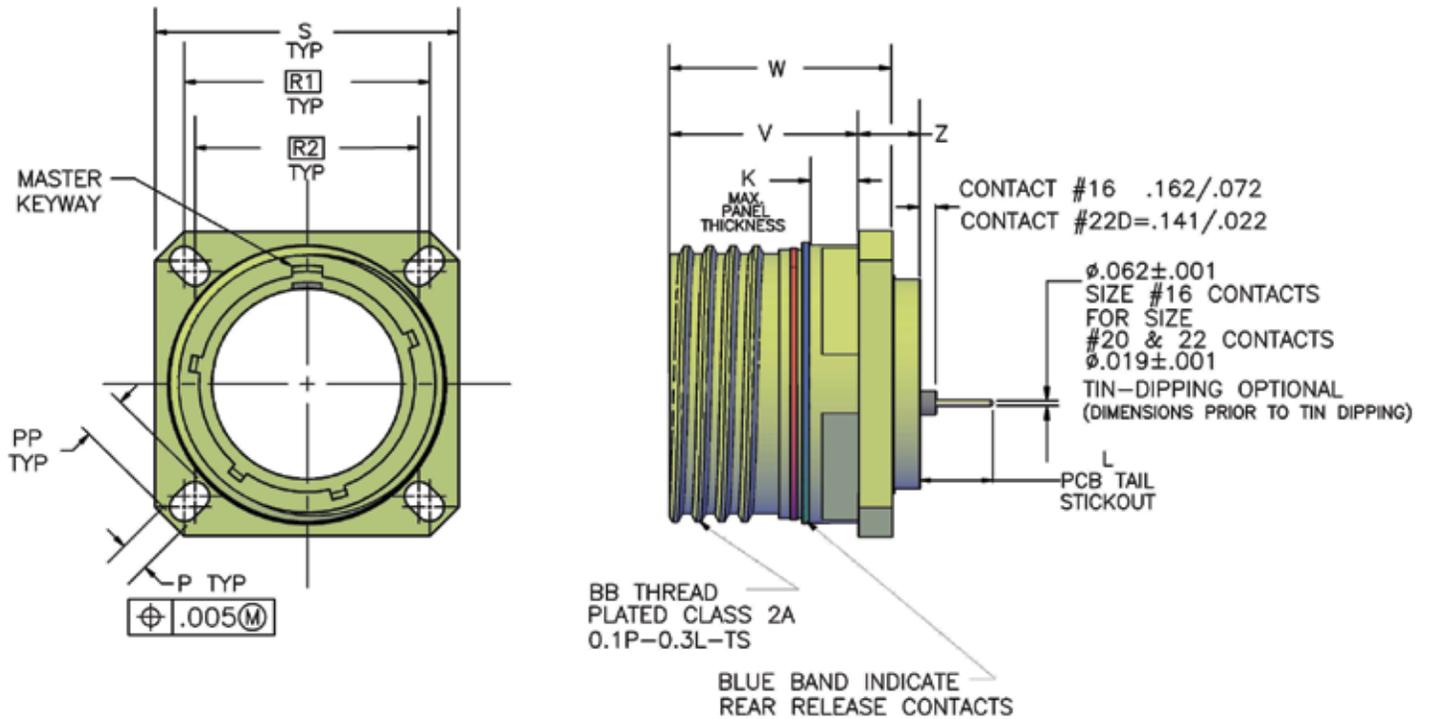
SHELL SIZE		PART NUMBER	PP ±.008	VV THREAD	V	K MAX	W
9	A	AE40R/20XAXXXX-101	.216	M12x1.0-6g 0.100R	.823 .768	.228	.913 MAX
11	B	AE40R/20XBXXXX-101	.194	M15x1.0-6g 0.100R			
13	C	AE40R/20XCXXXX-101	.194	M18x1.0-6g 0.100R			
15	D	AE40R/20XDXXXX-101	.173	M22x1.0-6g 0.100R			
17	E	AE40R/20EXXXXX-101	.194	M25x1.0-6g 0.100R			
19	F	AE40R/20FXXXXX-101	.194	M28x1.0-6g 0.100R			
21	G	AE40R/20GXXXXX-101	.194	M31x1.0-6g 0.100R	.791 .739	.197	.909 MAX
23	H	AE40R/20HXXXXX-101	.242	M34x1.0-6g 0.100R			
25	J	AE40R/20JXXXX-101	.242	M37x1.0-6g 0.100R			

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

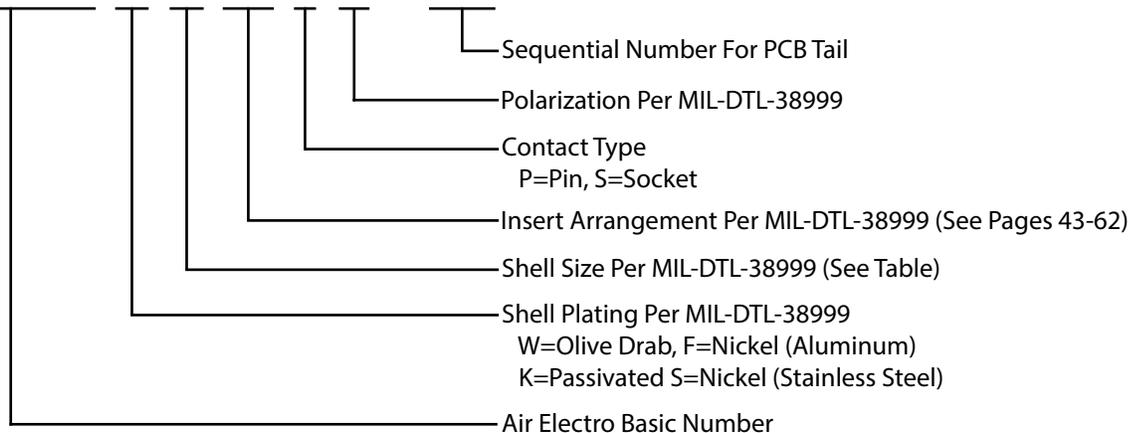
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

BOX MOUNT RECEPTACLE WITH PC TAILS



How To Order:

AE40LP/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



BOX MOUNT RECEPTACLE WITH PC TAILS

SHELL SIZE		PART NUMBER	T THREAD	BB THREAD	Z MAX	R
9	A	AE40LP/20XAXXXX-101	.112-40 UNC-3B	.6250	.205	.719
11	B	AE40LP/20XBXXXX-101		.7500		.812
13	C	AE40LP/20XCXXXX-101		.8750		.906
15	D	AE40LP/20XDXXXX-101		1.0000		.969
17	E	AE40LP/20EXXXXX-101		1.1875		1.062
19	F	AE40LP/20FXXXXX-101		1.2500		1.156
21	G	AE40LP/20GXXXXX-101		1.3750		.235
23	H	AE40LP/20HXXXXX-101	.138-32 UNC-3B	1.5000	1.375	
25	J	AE40LP/20JXXXX-101		1.6250	1.500	

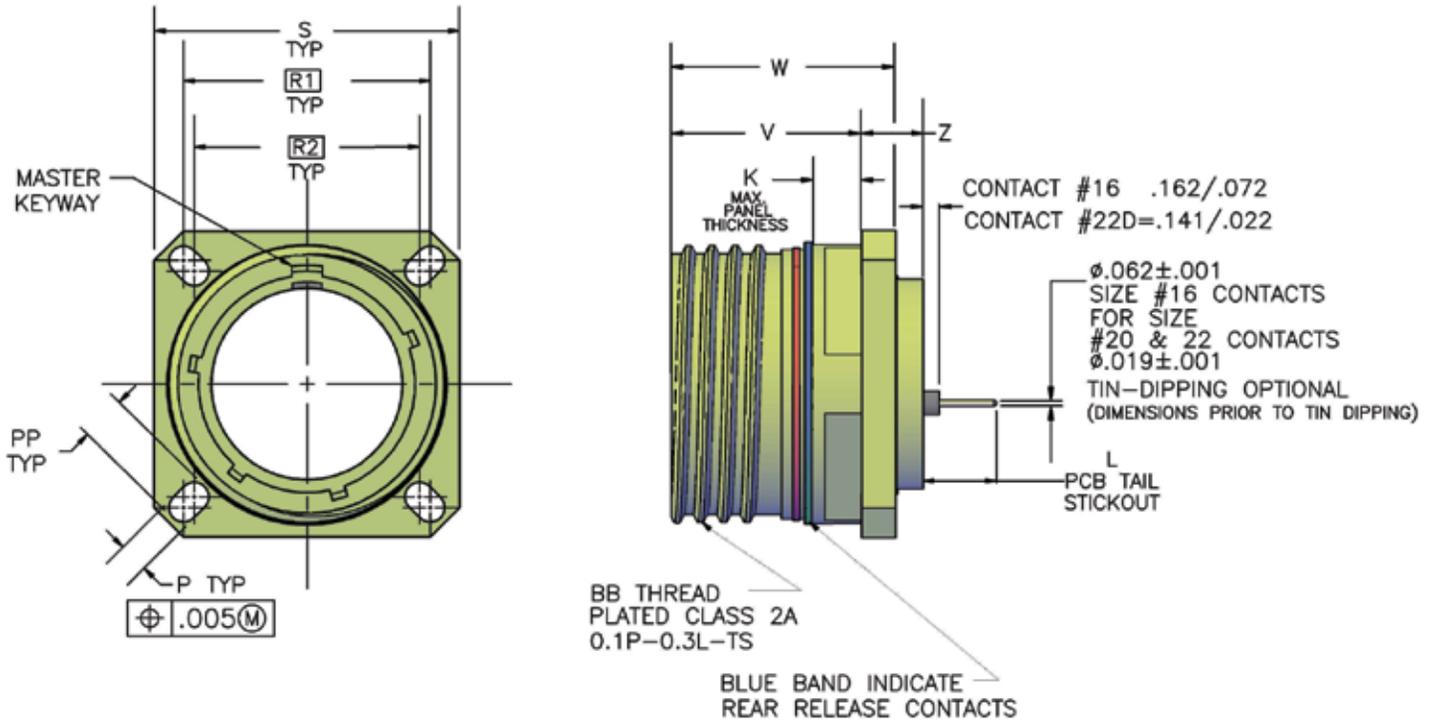
SHELL SIZE		PART NUMBER	S MAX	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40LP/20XAXXXX-101	1.093	.820 .771	.228	.918 MAX	.228 .178	.242 .181
11	B	AE40LP/20XBXXXX-101	1.185					
13	C	AE40LP/20XCXXXX-101	1.280					
15	D	AE40LP/20XDXXXX-101	1.343					
17	E	AE40LP/20EXXXXX-101	1.435					
19	F	AE40LP/20FXXXXX-101	1.530					
21	G	AE40LP/20GXXXXX-101	1.623	.790 .741	.197	.916 MAX		
23	H	AE40LP/20HXXXXX-101	1.748					
25	J	AE40LP/20JXXXX-101	1.873					

- Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
- Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
- All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

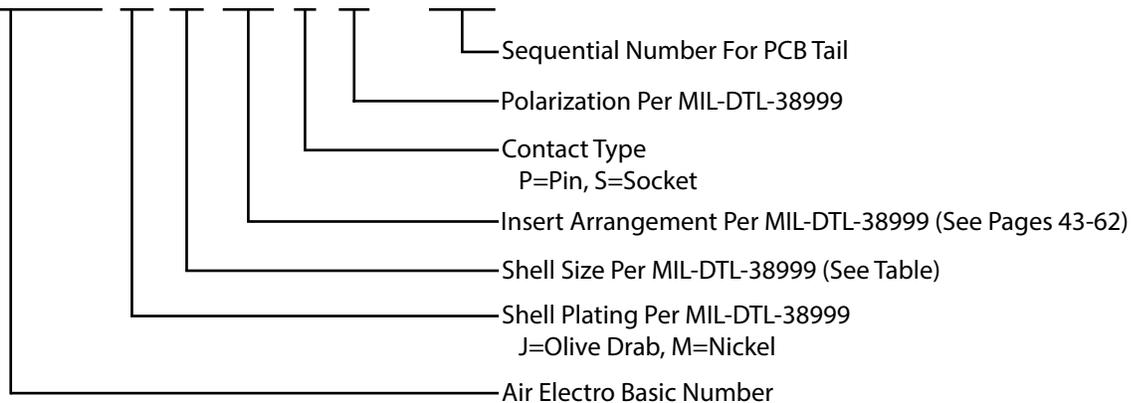
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

BOX MOUNT RECEPTACLE WITH PC TAILS



How To Order:

AE40LP/20 J A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors

With PCB Contacts, Composite



BOX MOUNT RECEPTACLE WITH PC TAILS

SHELL SIZE		PART NUMBER	T THREAD	BB THREAD	Z MAX	R
9	A	AE40LP/20XAXXXX-101	.112-40 UNC-3B	.6250	.205	.719
11	B	AE40LP/20XBXXXX-101		.7500		.812
13	C	AE40LP/20XCXXXX-101		.8750		.906
15	D	AE40LP/20XDXXXX-101		1.0000		.969
17	E	AE40LP/20EXXXXX-101		1.1875		1.062
19	F	AE40LP/20FXXXXX-101		1.2500		1.156
21	G	AE40LP/20GXXXXX-101	.138-32 UNC-3B	1.3750	.235	1.250
23	H	AE40LP/20HXXXXX-101		1.5000		1.375
25	J	AE40LP/20JXXXX-101		1.6250		1.500

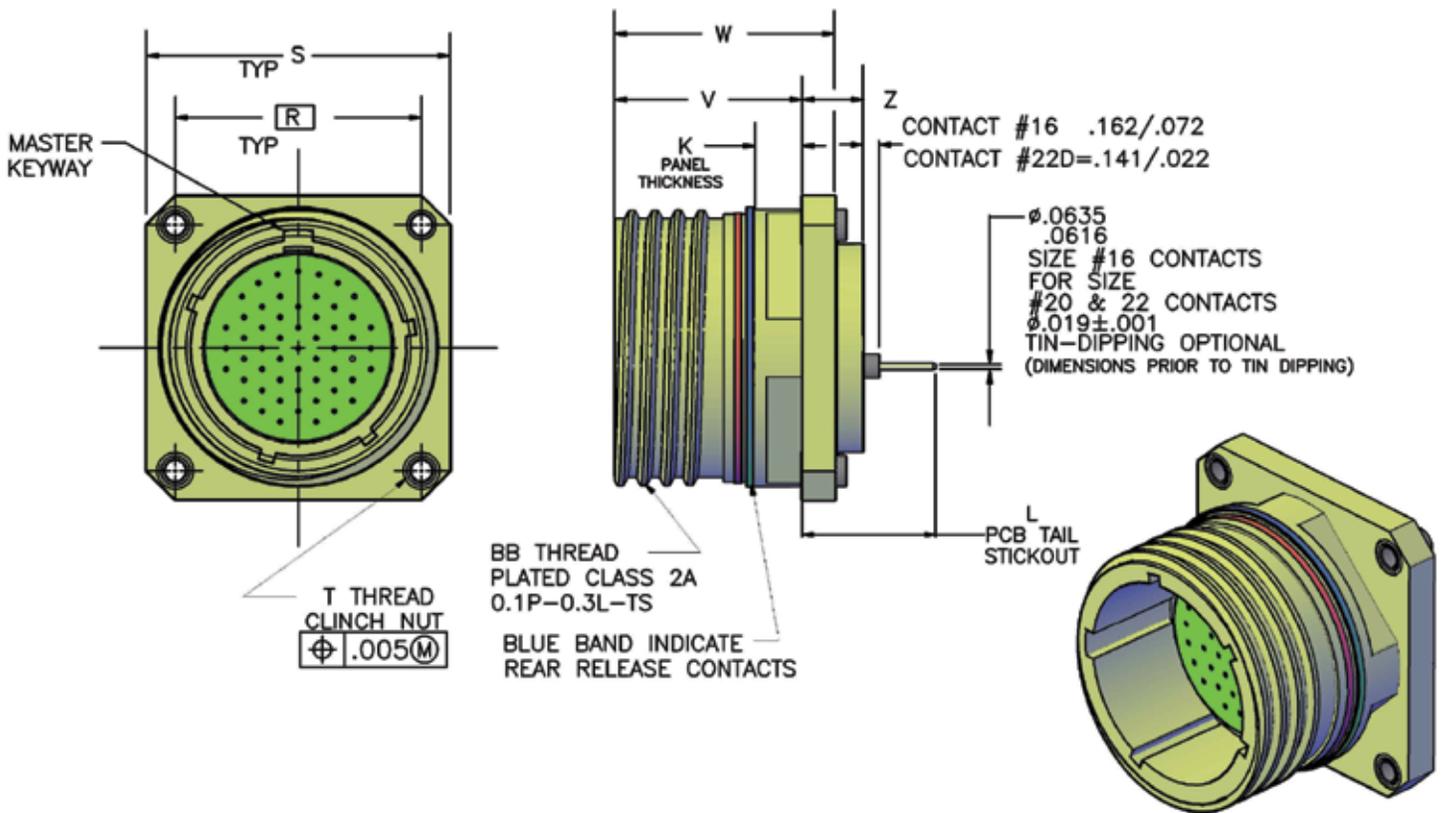
SHELL SIZE		PART NUMBER	S MAX	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40LP/20XAXXXX-101	1.093	.823 .768	.228	.913 MAX	.228 .178	.242 .181
11	B	AE40LP/20XBXXXX-101	1.185					
13	C	AE40LP/20XCXXXX-101	1.280					
15	D	AE40LP/20XDXXXX-101	1.343					
17	E	AE40LP/20EXXXXX-101	1.435					
19	F	AE40LP/20FXXXXX-101	1.530					
21	G	AE40LP/20GXXXXX-101	1.623	.791 .739	.197	.909 MAX		
23	H	AE40LP/20HXXXXX-101	1.748					
25	J	AE40LP/20JXXXX-101	1.873					

- Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
- Call Factory For Different PC Tail Length, Diameters, And Shell Materials.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

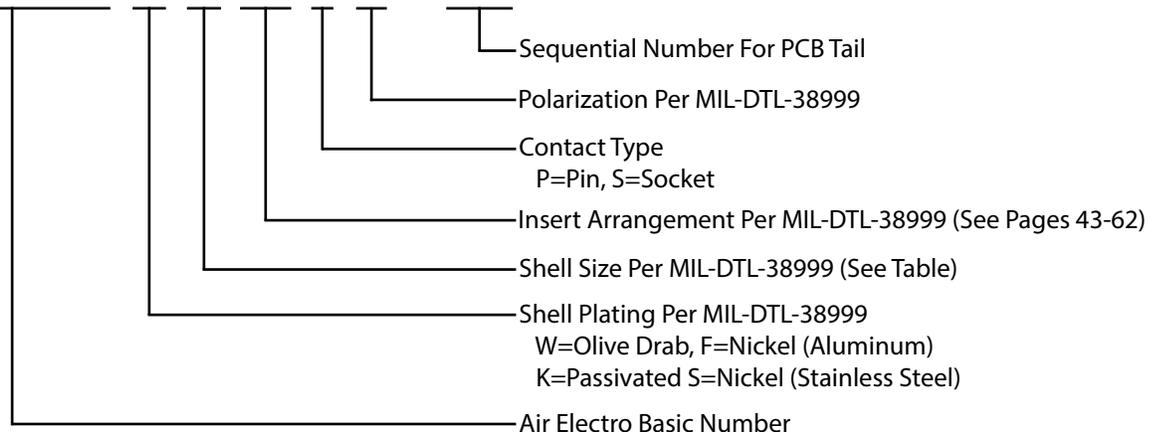
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

BOX MOUNT RECEPTACLE WITH PC TAILS AND CLINCH NUTS



How To Order:

AE40BLP/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



BOX MOUNT RECEPTACLE WITH PC TAILS AND CLINCH NUTS

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	Z MAX	R	S MAX
9	A	AE40BLP/20XAXXXX-101	.112-40 UNC-3B	.6250	.205	.719	1.093
11	B	AE40BLP/20XBXXXX-101		.7500		.812	1.185
13	C	AE40BLP/20XCXXXX-101		.8750		.906	1.280
15	D	AE40BLP/20XDXXXX-101		1.0000		.969	1.343
17	E	AE40BLP/20EXXXXX-101		1.1875		1.062	1.435
19	F	AE40BLP/20FXXXXX-101		1.2500		1.156	1.530
21	G	AE40BLP/20GXXXXX-101		1.3750		.235	1.250
23	H	AE40BLP/20HXXXXX-101	.138-32 UNC-3B	1.5000	1.375		1.748
25	J	AE40BLP/20JXXXX-101		1.6250	1.500		1.873

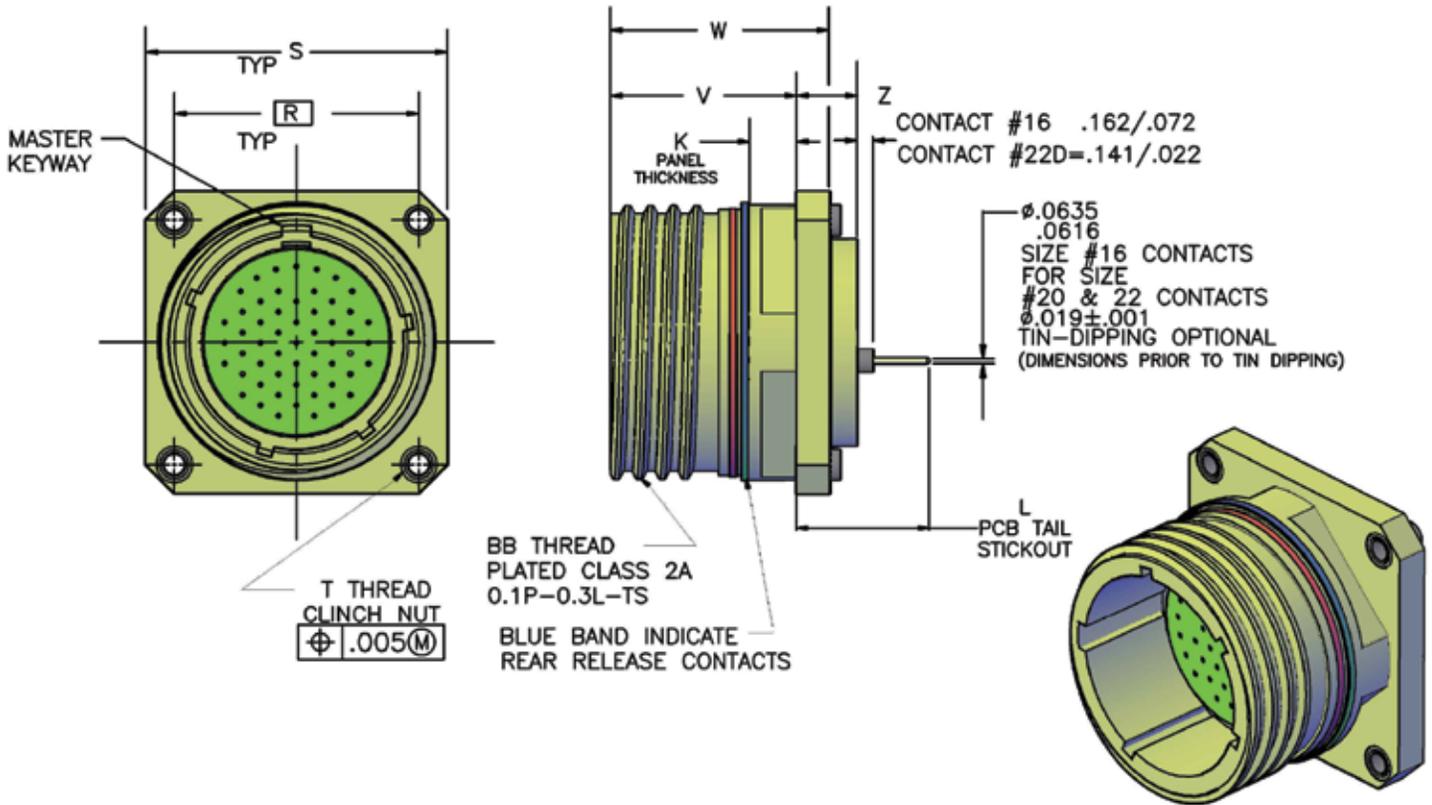
SHELL SIZE		PART NUMBER	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40BLP/20XAXXXX-101	.820 .771	.228	.918 MAX	.228 .178	.242 .181
11	B	AE40BLP/20XBXXXX-101					
13	C	AE40BLP/20XCXXXX-101					
15	D	AE40BLP/20XDXXXX-101					
17	E	AE40BLP/20EXXXXX-101					
19	F	AE40BLP/20FXXXXX-101					
21	G	AE40BLP/20GXXXXX-101	.790 .741	.197	.916 MAX		
23	H	AE40BLP/20HXXXXX-101					
25	J	AE40BLP/20JXXXX-101					

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

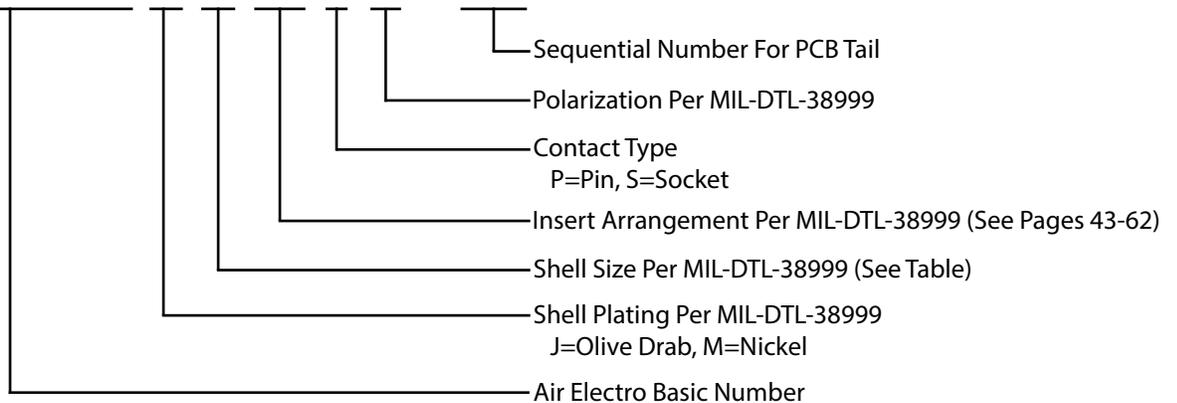
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

BOX MOUNT RECEPTACLE WITH PC TAILS AND CLINCH NUTS



How To Order:

AE40BLP/20 J A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite



BOX MOUNT RECEPTACLE WITH PC TAILS AND CLINCH NUTS

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	Z MAX	R	S MAX
9	A	AE40BLP/20XAXXXX-101	.112-40 UNC-3B	.6250	.205	.719	1.093
11	B	AE40BLP/20XBXXXX-101		.7500		.812	1.185
13	C	AE40BLP/20XCXXXX-101		.8750		.906	1.280
15	D	AE40BLP/20XDXXXX-101		1.0000		.969	1.343
17	E	AE40BLP/20EXXXXX-101		1.1875		1.062	1.435
19	F	AE40BLP/20FXXXXX-101		1.2500		1.156	1.530
21	G	AE40BLP/20GXXXXX-101		1.3750		1.250	1.623
23	H	AE40BLP/20HXXXXX-101	.138-32 UNC-3B	1.5000	.235	1.375	1.748
25	J	AE40BLP/20JXXXX-101		1.6250		1.500	1.873

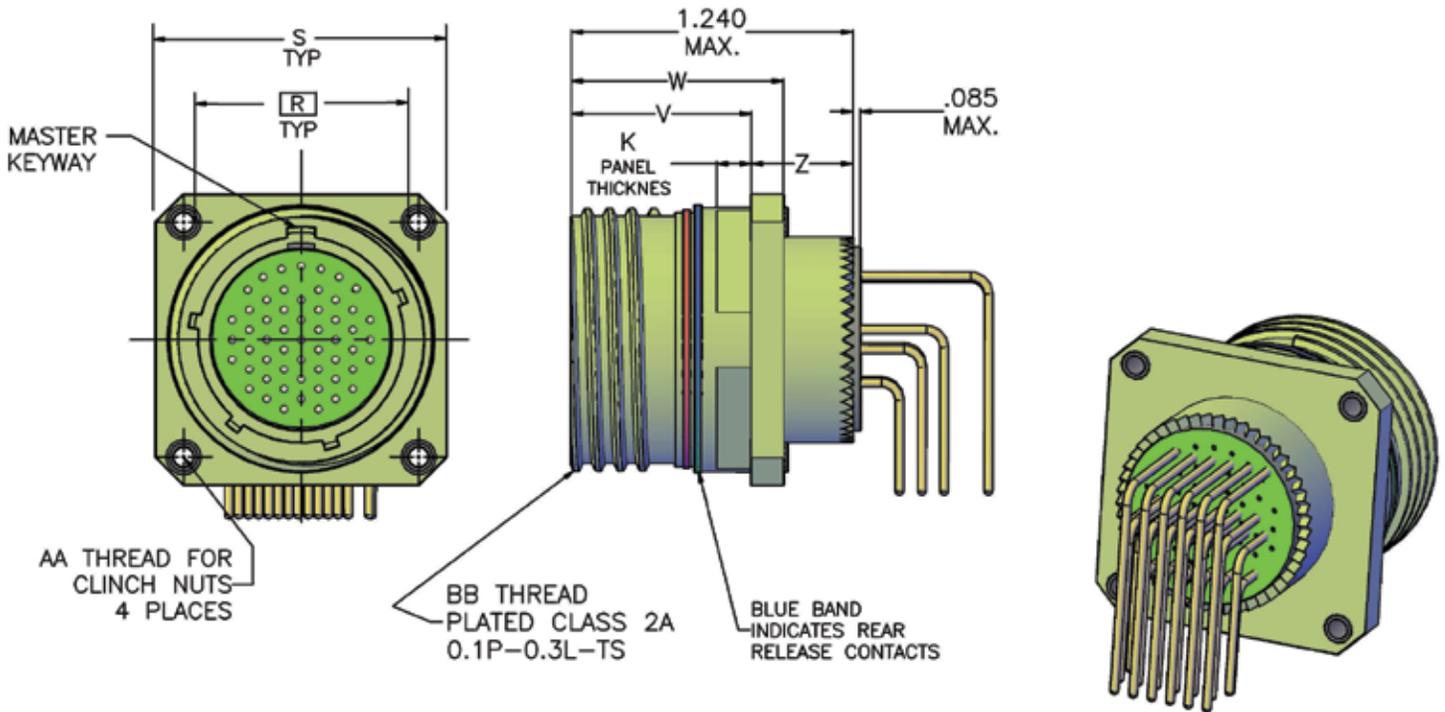
SHELL SIZE		PART NUMBER	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40BLP/20XAXXXX-101	.820 .771	.228	.918 MAX	.228 .178	.242 .181
11	B	AE40BLP/20XBXXXX-101					
13	C	AE40BLP/20XCXXXX-101					
15	D	AE40BLP/20XDXXXX-101					
17	E	AE40BLP/20EXXXXX-101					
19	F	AE40BLP/20FXXXXX-101					
21	G	AE40BLP/20GXXXXX-101	.790 .741	.197	.916 MAX		
23	H	AE40BLP/20HXXXXX-101					
25	J	AE40BLP/20JXXXX-101					

- Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
- Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
- All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

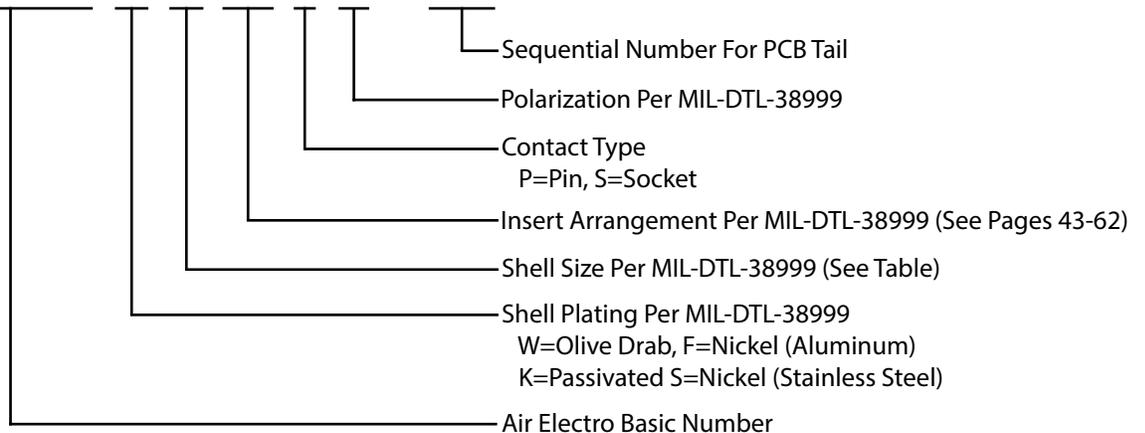
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

BOX MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS



How To Order:

AE40BR/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



BOX MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	Z MAX	R1
9	A	AE40BR/20XAXXXX-101	.112-40 UNC-3B	.6250	.514	.719
11	B	AE40BR/20XBXXXX-101		.7500		.812
13	C	AE40BR/20XCXXXX-101		.8750		.906
15	D	AE40BR/20XDXXXX-101		1.0000		.969
17	E	AE40BR/20EXXXXX-101		1.1875		1.062
19	F	AE40BR/20FXXXXX-101		1.2500		1.156
21	G	AE40BR/20GXXXXX-101	.138-32 UNC-3B	1.3750	.445	1.250
23	H	AE40BR/20HXXXXX-101		1.5000		1.375
25	J	AE40BR/20JXXXX-101		1.6250		1.500

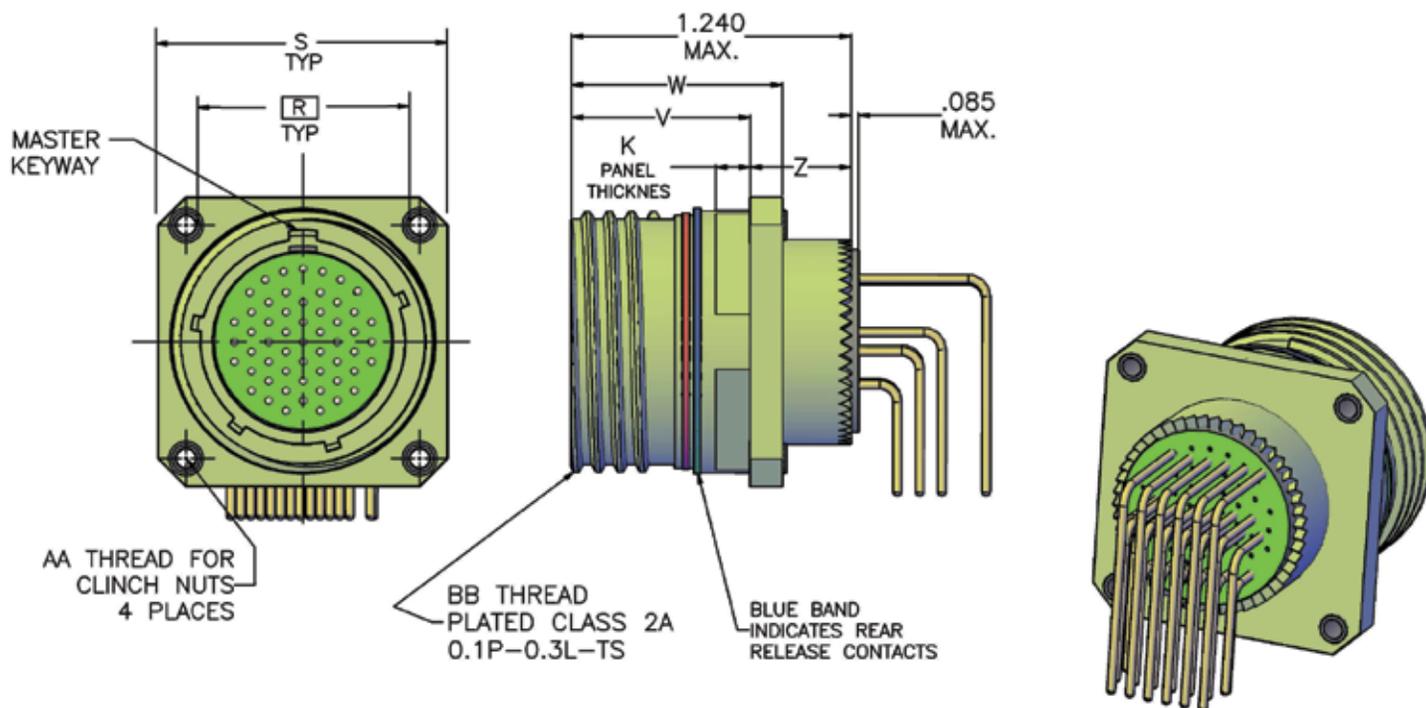
SHELL SIZE		PART NUMBER	S MAX	V	K MAX	W	"D" SIZE 16 & 20 CONTACTS	"D" SIZE 22 CONTACTS
9	A	AE40BR/20XAXXXX-101	1.093	.823 .768	.228	.913 MAX	1.265 MAX	1.250 MAX
11	B	AE40BR/20XBXXXX-101	1.185					
13	C	AE40BR/20XCXXXX-101	1.280					
15	D	AE40BR/20XDXXXX-101	1.343					
17	E	AE40BR/20EXXXXX-101	1.435					
19	F	AE40BR/20FXXXXX-101	1.530					
21	G	AE40BR/20GXXXXX-101	1.623	.791 .739	.197	.909 MAX		
23	H	AE40BR/20HXXXXX-101	1.748					
25	J	AE40BR/20JXXXX-101	1.811					

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

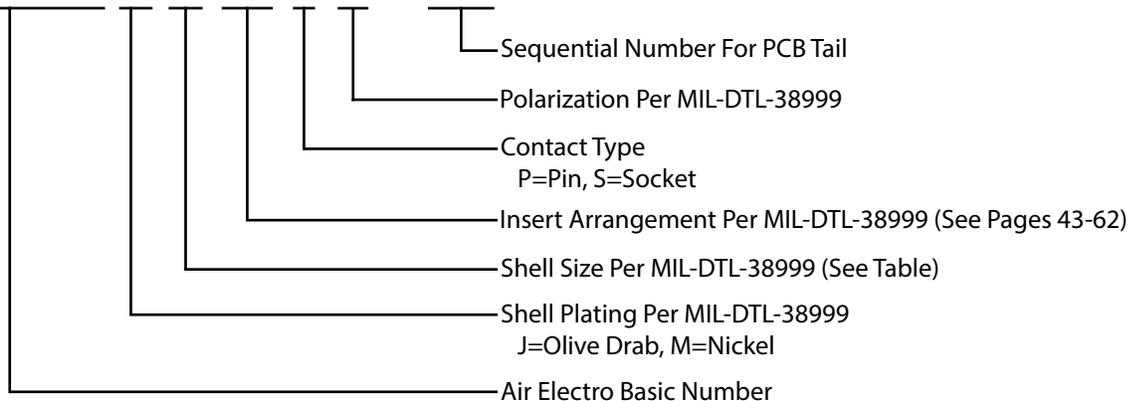
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

BOX MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS



How To Order:

AE40BR/20 J A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors

With PCB Contacts, Composite



BOX MOUNT RECEPTACLE WITH RIGHT ANGLE PC TAILS

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	Z MAX	R1
9	A	AE40BR/20XAXXXX-101	.112-40 UNC-3B	.6250	.496	.719
11	B	AE40BR/20XBXXXX-101		.7500		.812
13	C	AE40BR/20XCXXXX-101		.8750		.906
15	D	AE40BR/20XDXXXX-101		1.0000		.969
17	E	AE40BR/20EXXXXX-101		1.1875		1.062
19	F	AE40BR/20FXXXXX-101		1.2500		1.156
21	G	AE40BR/20GXXXXX-101		1.3750		1.250
23	H	AE40BR/20HXXXXX-101	.138-32 UNC-3B	1.5000	.499	1.375
25	J	AE40BR/20JXXXX-101		1.6250		1.500

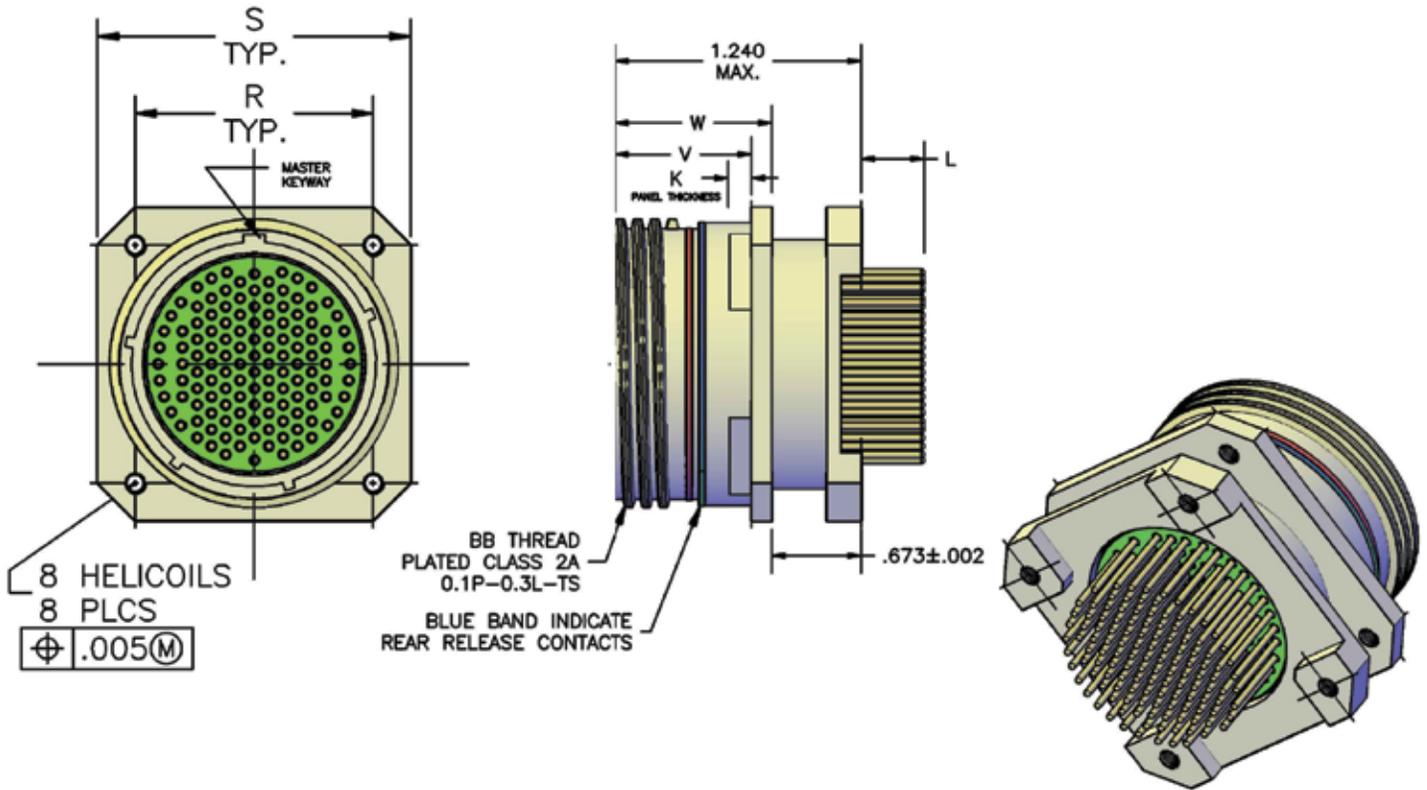
SHELL SIZE		PART NUMBER	S MAX	V	K MAX	W	"D" SIZE 16 & 20 CONTACTS	"D" SIZE 22 CONTACTS
9	A	AE40BR/20XAXXXX-101	1.093	.820 .771	.228	.918 MAX	1.265 MAX	1.250 MAX
11	B	AE40BR/20XBXXXX-101	1.185					
13	C	AE40BR/20XCXXXX-101	1.280					
15	D	AE40BR/20XDXXXX-101	1.343					
17	E	AE40BR/20EXXXXX-101	1.435					
19	F	AE40BR/20FXXXXX-101	1.530					
21	G	AE40BR/20GXXXXX-101	1.623	.790 .710	.197	.916 MAX		
23	H	AE40BR/20HXXXXX-101	1.748					
25	J	AE40BR/20JXXXX-101	1.811					

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

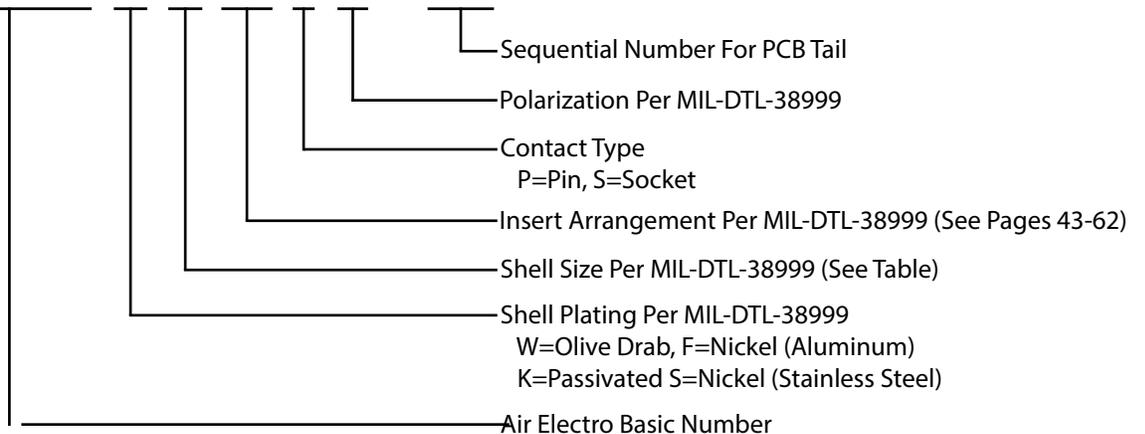
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

BOX MOUNT RECEPTACLE WITH DOUBLE FLANGE



How To Order:

AE40BX/20 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



BOX MOUNT RECEPTACLE WITH DOUBLE FLANGE

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	R	S MAX
9	A	AE40BX/20XAXXXX-101	.112-40 UNC-3B	.6250	.719	1.093
11	B	AE40BX/20XBXXXX-101		.7500	.812	1.185
13	C	AE40BX/20XCXXXX-101		.8750	.906	1.280
15	D	AE40BX/20XDXXXX-101		1.0000	.969	1.343
17	E	AE40BX/20EXXXXX-101		1.1875	1.062	1.435
19	F	AE40BX/20FXXXXX-101		1.2500	1.156	1.530
21	G	AE40BX/20GXXXXX-101		1.3750	1.250	1.623
23	H	AE40BX/20HXXXXX-101	.138-32 UNC-3B	1.5000	1.375	1.748
25	J	AE40BX/20JXXXX-101		1.6250	1.500	1.873

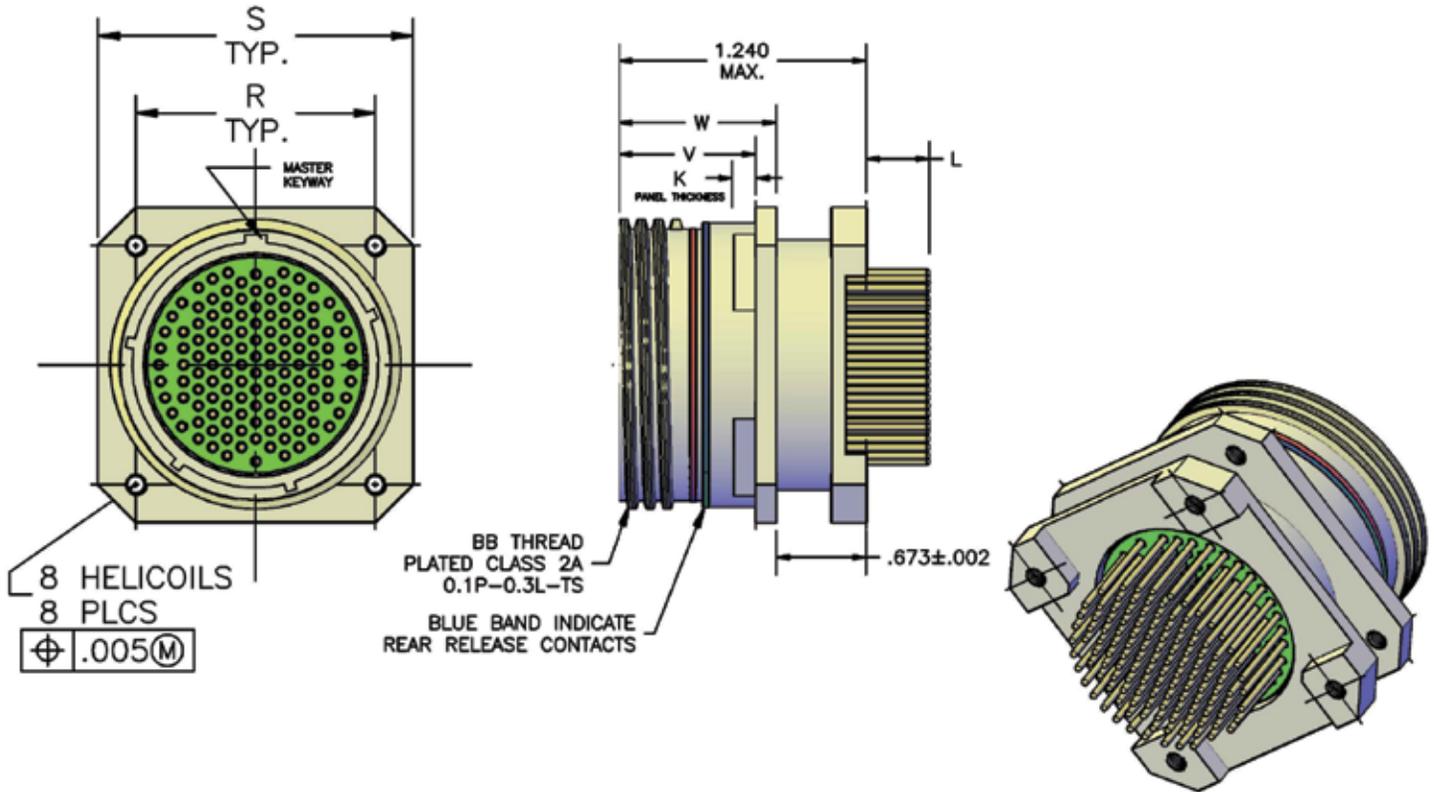
SHELL SIZE		PART NUMBER	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40BX/20XAXXXX-101	.820 .771	.228	.918 MAX	.228 .178	.242 .181
11	B	AE40BX/20XBXXXX-101					
13	C	AE40BX/20XCXXXX-101					
15	D	AE40BX/20XDXXXX-101					
17	E	AE40BX/20EXXXXX-101					
19	F	AE40BX/20FXXXXX-101					
21	G	AE40BX/20GXXXXX-101	.790 .741	.197	.916 MAX		
23	H	AE40BX/20HXXXXX-101					
25	J	AE40BX/20JXXXX-101					

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

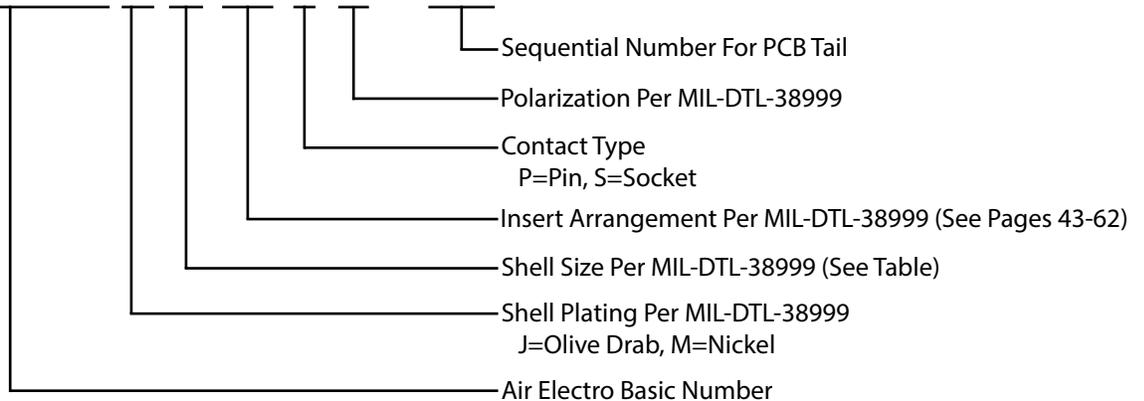
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite

BOX MOUNT RECEPTACLE WITH DOUBLE FLANGE



How To Order:

AE40BX/20 J A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Composite



BOX MOUNT RECEPTACLE WITH DOUBLE FLANGE

SHELL SIZE		PART NUMBER	AA THREAD	BB THREAD	R	S MAX
9	A	AE40BX/20XAXXXX-101	.112-40 UNC-3B	.6250	.719	1.093
11	B	AE40BX/20XBXXXX-101		.7500	.812	1.185
13	C	AE40BX/20XCXXXX-101		.8750	.906	1.280
15	D	AE40BX/20XDXXXX-101		1.0000	.969	1.343
17	E	AE40BX/20EXXXXX-101		1.1875	1.062	1.435
19	F	AE40BX/20FXXXXX-101		1.2500	1.156	1.530
21	G	AE40BX/20GXXXXX-101		1.3750	1.250	1.623
23	H	AE40BX/20HXXXXX-101	.138-32 UNC-3B	1.5000	1.375	1.748
25	J	AE40BX/20JXXXX-101		1.6250	1.500	1.873

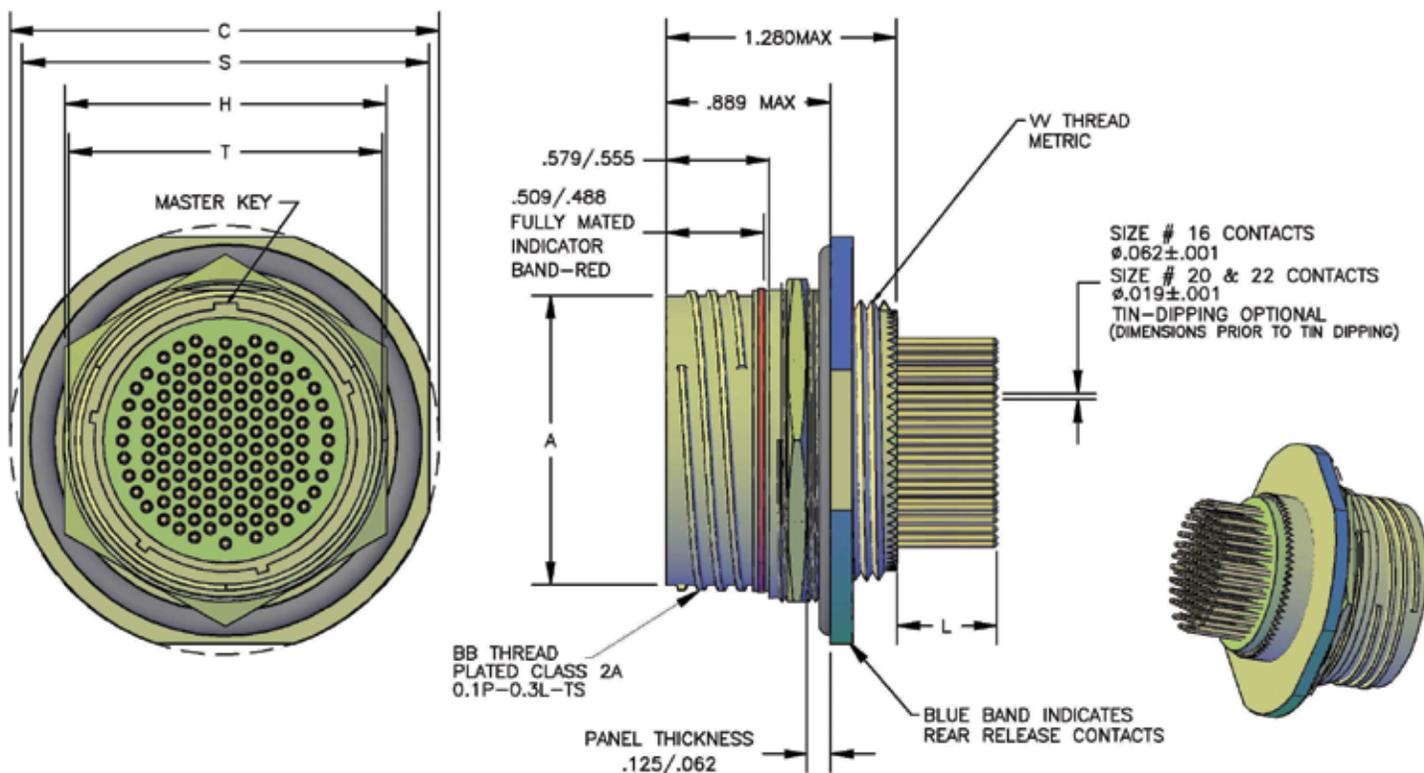
SHELL SIZE		PART NUMBER	V	K MAX	W	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22 CONTACTS
9	A	AE40BX/20XAXXXX-101	.823 .768	.228	.913 MAX	.228 .178	.242 .181
11	B	AE40BX/20XBXXXX-101					
13	C	AE40BX/20XCXXXX-101					
15	D	AE40BX/20XDXXXX-101					
17	E	AE40BX/20EXXXXX-101					
19	F	AE40BX/20FXXXXX-101					
21	G	AE40BX/20GXXXXX-101	.791 .739	.197	.909 MAX		
23	H	AE40BX/20HXXXXX-101					
25	J	AE40BX/20JXXXX-101					

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

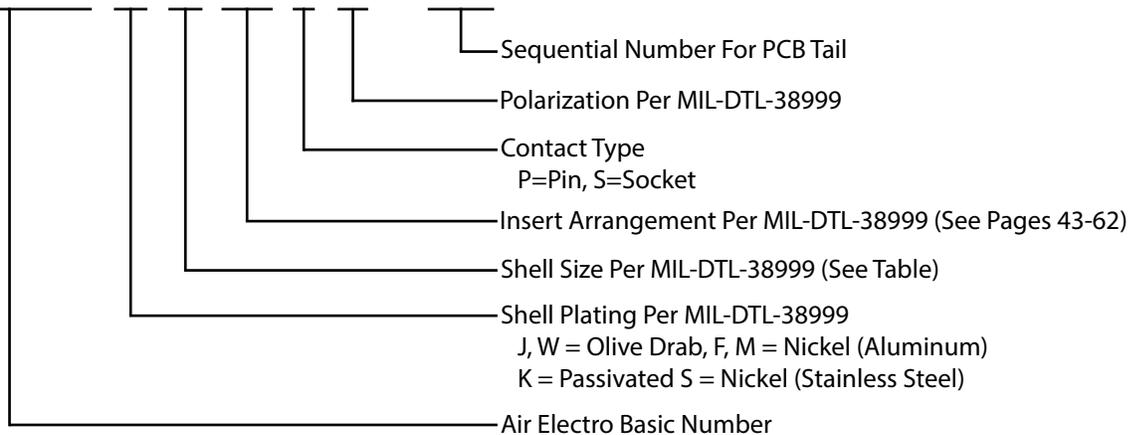
MIL-DTL-38999/24 Series III Type Connectors With PCB Contacts

JAM-NUT MOUNTING RECEPTACLE



How To Order:

AE40/24 W A 35 S N - 101



MIL-DTL-38999/24 Series III Type Connectors With PCB Contacts



JAM-NUT MOUNTING RECEPTACLE

SHELL SIZE		PART NUMBER	A	BB THREAD	C MAX	H	S ±.015
9	A	AE40/24XAXXXX-101	.670 .660	.6250	1.200	.945 .859	1.063
11	B	AE40/24XBXXXX-101	.771 .761	.7500	1.386	1.063 .984	1.252
13	C	AE40/24XCXXXX-101	.955 .945	.8750	1.512	1.260 1.172	1.374
15	D	AE40/24XDXXXX-101	1.085 1.075	1.0000	1.638	1.417 1.296	1.500
17	E	AE40/24XEXXXX-101	1.210 1.200	1.1875	1.764	1.456 1.422	1.626
19	F	AE40/24FXXXX-101	1.335 1.325	1.2500	1.949	1.614 1.545	1.811
21	G	AE40/24GXXXX-101	1.460 1.450	1.3750	2.075	1.81 1.675	1.937
23	H	AE40/24HXXXX-101	1.585 1.575	1.5000	2.200	1.968 1.796	2.063
25	J	AE40/24JXXXX-101	1.710 1.700	1.6250	2.323	2.017 1.939	2.189

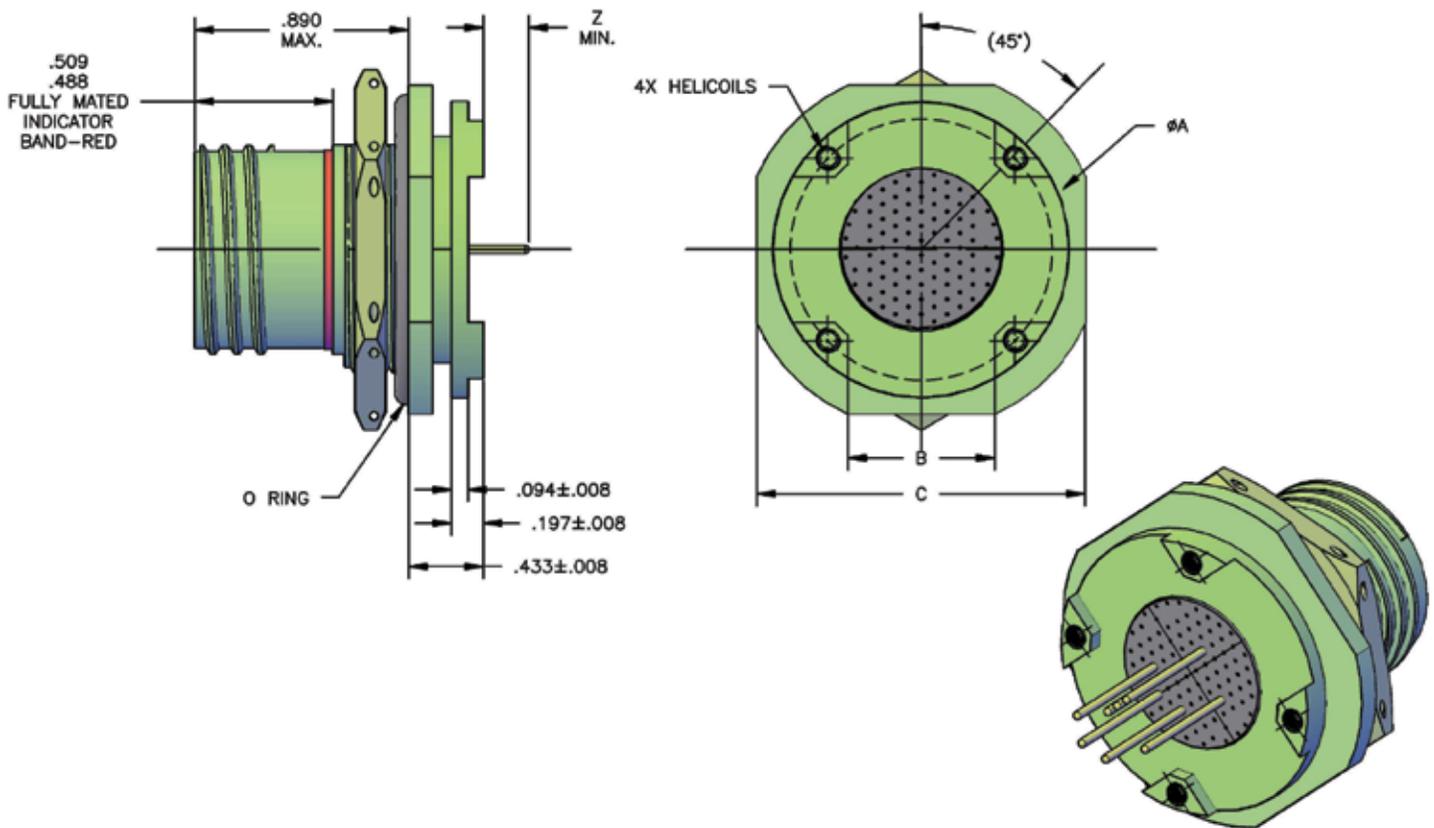
SHELL SIZE		PART NUMBER	T	VV THREAD	"L" SIZE 16 & 20 CONTACTS	"L" SIZE 22, D OR M CONTACTS
9	A	AE40/24XAXXXX-101	.710 .700	M12x1.0-6g 0.100R	.244 .200	.258 .206
11	B	AE40/24XBXXXX-101	.831 .825	M15x1.0-6g 0.100R		
13	C	AE40/24XCXXXX-101	1.020 1.010	M18x1.0-6g 0.100R		
15	D	AE40/24XDXXXX-101	1.145 1.135	M22x1.0-6g 0.100R		
17	E	AE40/24XEXXXX-101	1.270 1.260	M25x1.0-6g 0.100R		
19	F	AE40/24FXXXX-101	1.395 1.385	M28x1.0-6g 0.100R	.222 .177	.236 .180
21	G	AE40/24GXXXX-101	1.520 1.510	M31x1.0-6g 0.100R		
23	H	AE40/24HXXXX-101	1.645 1.635	M34x1.0-6g 0.100R		
25	J	AE40/24JXXXX-101	1.770 1.760	M37x1.0-6g 0.100R		

- Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/24 Unless Otherwise Specified.
- Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
- Dimensions "A" & "T" Are For Panel Cut Out (D Shape)
- Contacts Shall Be Plated Gold Over Nickel.
(Selective Plating Available)

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Thrid Party Without The Written Consent Of Air Electro, Inc.

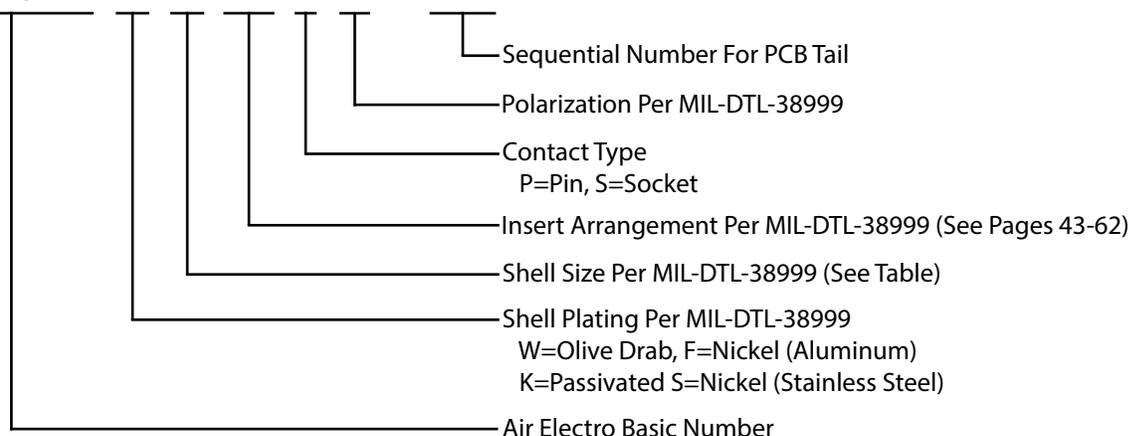
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel

JAM-NUT RECEPTACLE WITH DOUBLE FLANGE



How To Order:

AE40X/24 W A 35 S N - 101



MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts, Aluminum/Stainless Steel



JAM-NUT RECEPTACLE WITH DOUBLE FLANGE

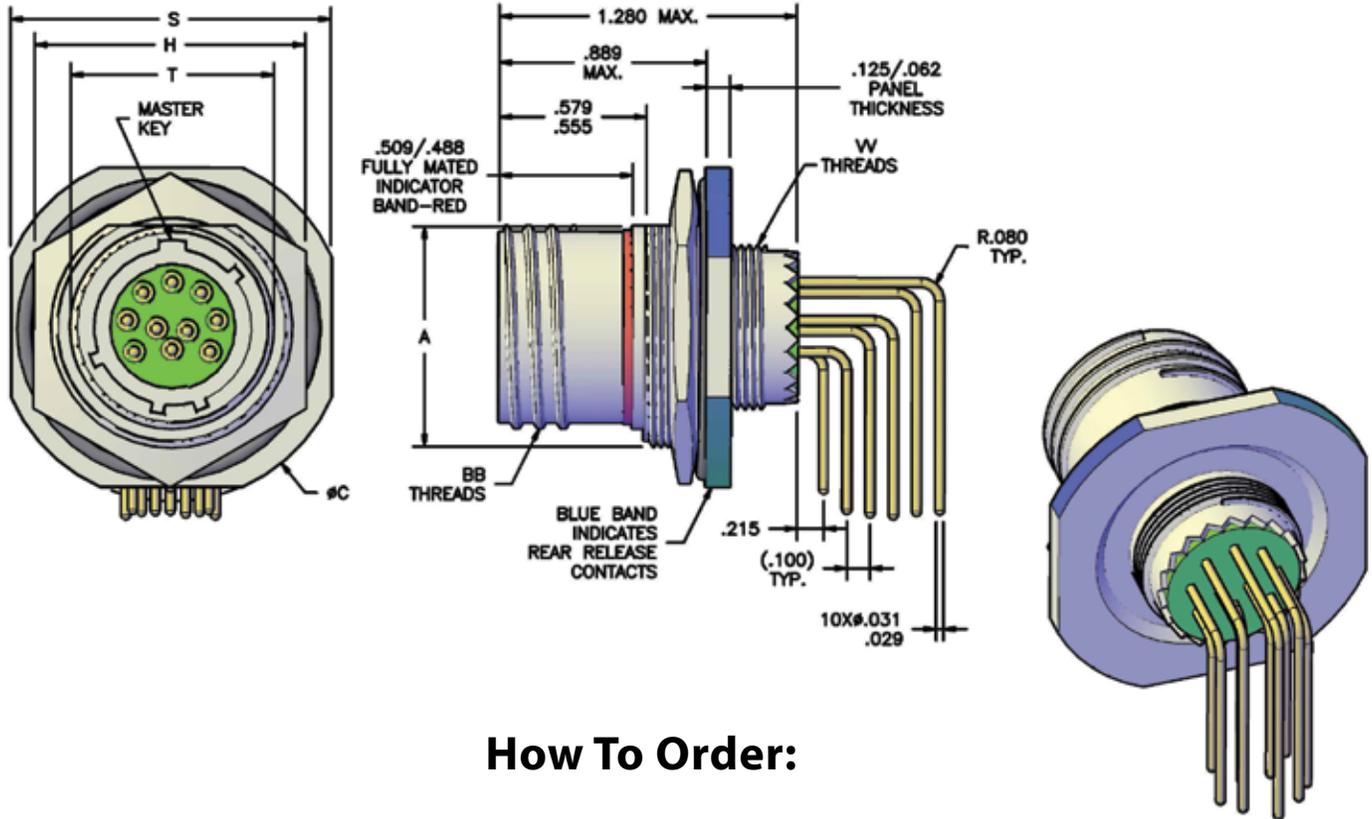
SHELL SIZE		PART NUMBER	BB THREAD	VV THREAD	"Z" SIZE 16 & 20 CONTACTS	"Z" SIZE 22 CONTACTS
9	A	AE40X/24XAXXXX-101	.6250	M12x1.0-6g 0.100R	.228 .178	.242 .181
11	B	AE40X/24XBXXXX-101	.7500	M15x1.0-6g 0.100R		
13	C	AE40X/24XCXXXX-101	.8750	M18x1.0-6g 0.100R		
15	D	AE40X/24XDXXXX-101	1.0000	M22x1.0-6g 0.100R		
17	E	AE40X/24XEXXXX-101	1.175	M25x1.0-6g 0.100R		
19	F	AE40X/24XFXXXX-101	1.2500	M28x1.0-6g 0.100R		
21	G	AE40X/24XGXXXX-101	1.3750	M31x1.0-6g 0.100R		
23	H	AE40X/24XHXXXX-101	1.5000	M34x1.0-6g 0.100R		
25	J	AE40X/24XJXXXX-101	1.6250	M37x1.0-6g 0.100R		

1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/20 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

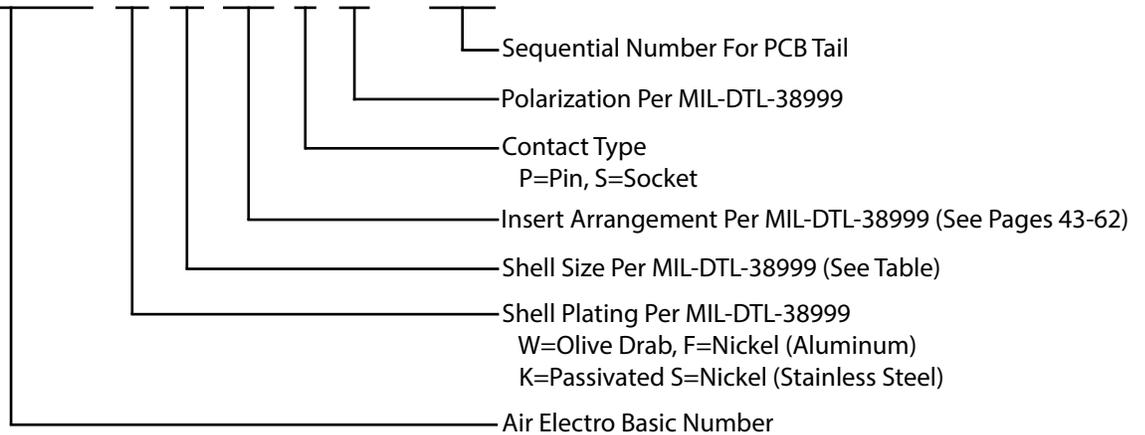
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts

JAM-NUT RECEPTACLE WITH RIGHT ANGLE PC TAILS



How To Order:

AE40R/24 W A 35 S N - 101



1. Connectors Will Meet All Applicable Requirements Of MIL-DTL-38999/24 Unless Otherwise Specified.
2. Call Factory For Different PC Tail Length, Diameters, And Shell Materials.
3. Dimensions A and T are for Panel Cut Out (D Shape)
4. Contacts Shall Be Plated Gold over Nickel (Selective Plating Available)

5. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

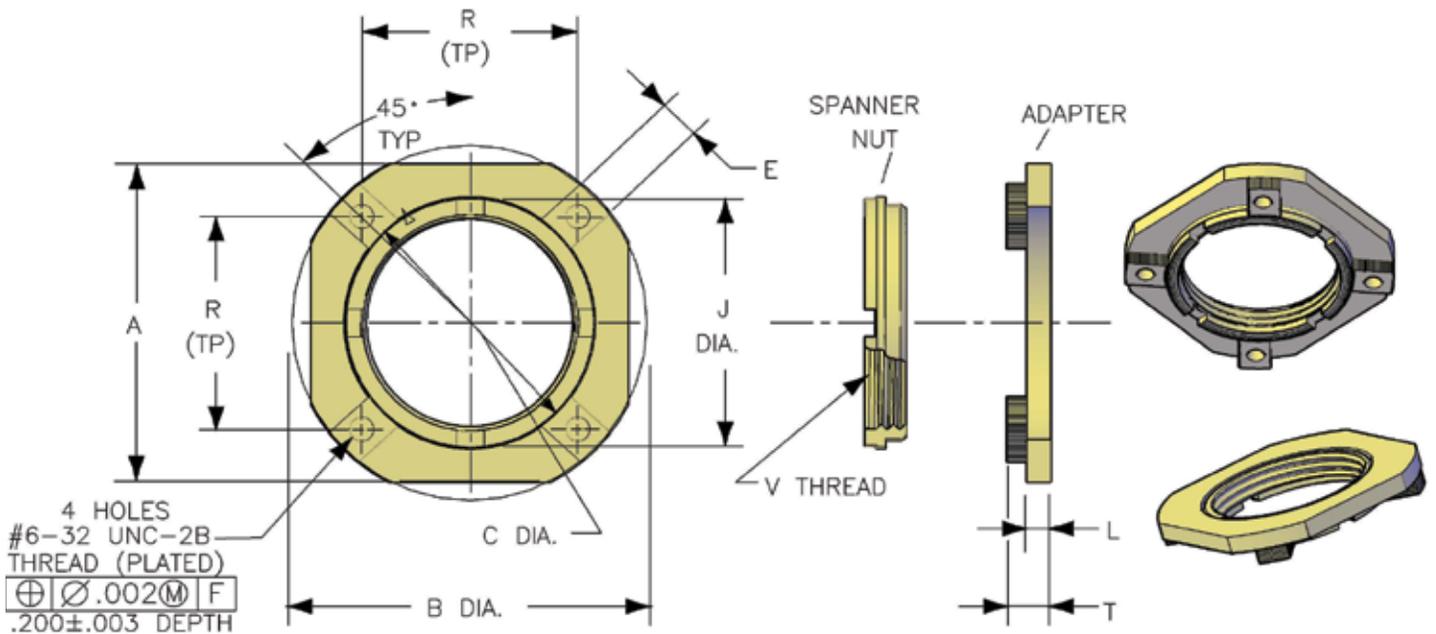
MIL-DTL-38999/20 Series III Type Connectors With PCB Contacts



JAM-NUT RECEPTACLE WITH RIGHT ANGLE PC TAILS

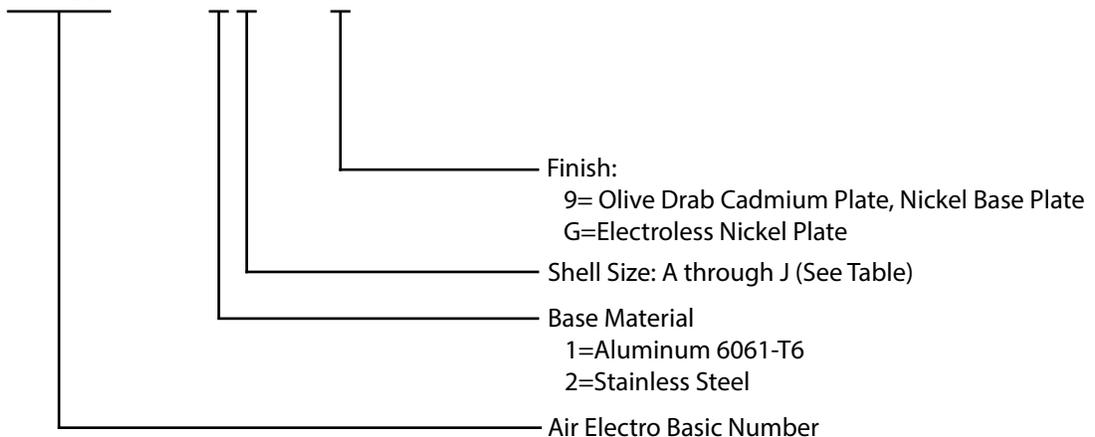
SHELL SIZE		PART NUMBER	A	BB THREAD	C MAX	H	S±.015
9	A	AE40R/24XAXXXX-101	.670 .660	.6250	1.200	.945 .859	1.063
11	B	AE40R/24XBXXXX-101	.771 .761	.7500	1.386	1.063 .984	1.252
13	C	AE40R/24XCXXXX-101	.955 .945	.8750	1.512	1.260 1.172	1.374
15	D	AE40R/24XDXXXX-101	1.085 1.075	1.0000	1.638	1.417 1.296	1.500
17	E	AE40R/24XEXXXX-101	1.210 1.200	1.1875	1.764	1.456 1.422	1.626
19	F	AE40R/24XFXXXX-101	1.335 1.325	1.2500	1.949	1.614 1.545	1.811
21	G	AE40R/24XGXXXX-101	1.460 1.450	1.3750	2.075	1.81 1.675	1.937
23	H	AE40R/24XHXXXX-101	1.585 1.575	1.5000	2.200	1.968 1.796	2.063
25	J	AE40R/24XJXXXX-101	1.710 1.700	1.6250	2.323	2.017 1.939	2.189

SHELL SIZE		PART NUMBER	T	VV THREAD
9	A	AE40R/24XAXXXX-101	.710 .700	M12x1.0-6g 0.100R
11	B	AE40R/24XBXXXX-101	.831 .825	M15x1.0-6g 0.100R
13	C	AE40R/24XCXXXX-101	1.020 1.010	M18x1.0-6g 0.100R
15	D	AE40R/24XDXXXX-101	1.145 1.135	M22x1.0-6g 0.100R
17	E	AE40R/24XEXXXX-101	1.270 1.260	M25x1.0-6g 0.100R
19	F	AE40R/24XFXXXX-101	1.395 1.385	M28x1.0-6g 0.100R
21	G	AE40R/24XGXXXX-101	1.520 1.510	M31x1.0-6g 0.100R
23	H	AE40R/24XHXXXX-101	1.645 1.635	M34x1.0-6g 0.100R
25	J	AE40R/24XJXXXX-101	1.770 1.760	M37x1.0-6g 0.100R



How To Order:

AE09 - 241A - 09 - S



MIL-DTL-38999

Series III Type Accessories



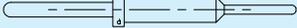
STANDOFF ADAPTER

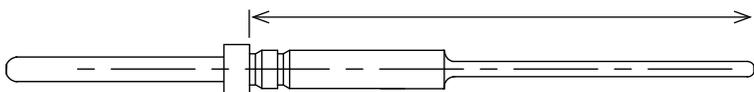
SHELL SIZE		PART NUMBER	A ± .003	B Dia. ± .003	C Dia. + .005 - .001
9	A	AE09-24XA-0X-S	1.062	1.188	.750
11	B	AE09-24XA-0X-S	1.250	1.375	.900
13	C	AE09-24XA-0X-S	1.375	1.500	.975
15	D	AE09-24XA-0X-S	1.500	1.625	1.125
17	E	AE09-24XA-0X-S	1.625	1.750	1.250
19	F	AE09-24XA-0X-S	1.812	1.938	1.375
21	G	AE09-24XA-0X-S	1.938	2.062	1.469
23	H	AE09-24XA-0X-S	2.062	2.188	1.625
25	J	AE09-24XA-0X-S	2.188	2.312	1.750

SHELL SIZE		PART NUMBER	E ± .005	J Dia. + .005 - .000	L ± .003	V Threaded Metric Plated
9	A	AE09-24XA-0X-S	.200	.625	.150	M12x1-6H
11	B	AE09-24XA-0X-S	.200	.744	.150	M15x1-6H
13	C	AE09-24XA-0X-S	.200	.862	.150	M18x1-6H
15	D	AE09-24XA-0X-S	.200	1.019	.150	M22x1-6H
17	E	AE09-24XA-0X-S	.200	1.137	.150	M25x1-6H
19	F	AE09-24XA-0X-S	.200	1.255	.150	M28x1-6H
21	G	AE09-24XA-0X-S	.200	1.373	.150	M31x1-6H
23	H	AE09-24XA-0X-S	.200	1.492	.150	M34x1-6H
25	J	AE09-24XA-0X-S	.200	1.610	.150	M37x1-6H

1. All Dimensions in inches Unless Noted Otherwise.

This Document Is Issued In Strict Confidence On The Condition That It Is Not To Be Used As Basis For Manufacturing Or Sale, And That It Is Not To Be Copied, Reprinted Or Disclosed To A Third Party Without The Written Consent Of Air Electro, Inc.

Contact Size	PC Tail Length* (Nominal)	Part Number	Profile
#22D	.770	AE40-2248A-3010	
	.880	AE40-2231-3011	
	1.135	AE40-2232-3010	
#20	.500	AE40-2032-3010	
	.870	AE40-2015-3010	
	1.140	AE40-2035-3010	
#16	.600	AE40-1603-3011	
	.900	AE40-1615-3010	
#12	.750	AE40-1204-3011	
	.950	AE40-12H01-3011	
#8 (Triax)	.870	AE40-08T1-3011	

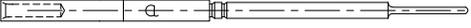
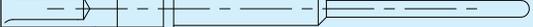
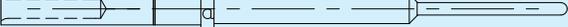
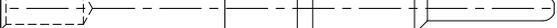


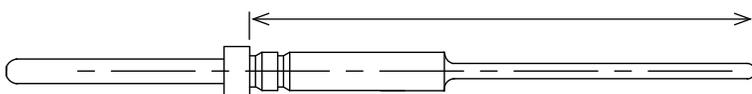
*PC tail length is measured from edge of shoulder to tip of PC tail

**Consult factory for additional contact lengths, diameters, materials, tin-dipping, selective plating, and special configurations.

Standard PC Tail Contact Options

Socket Contacts

Contact Size	PC Tail Length* (Nominal)	Part Number	Profile
#22D	.755	AE40-2210-3021	
	.840	AE40-2247-3020	
	1.140	AE40-2232-3020	
#20	.780	AE40-2004-3021	
	.850	AE40-2037-3020	
	1.080	AE40-2028-E020	
#16	.720	AE40-1604-3020	
	.850	AE40-1629-3020	
#12	.685	AE40-1201-3020	
	.900	AE40-1205-3021	
#8 (Triax)	.870	AE40-08T1-3021	



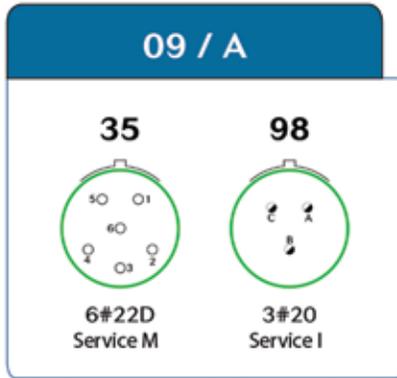
*PC tail length is measured from edge of shoulder to tip of PC tail

**Consult factory for additional contact lengths, diameters, materials, tin-dipping, selective plating, and special configurations.

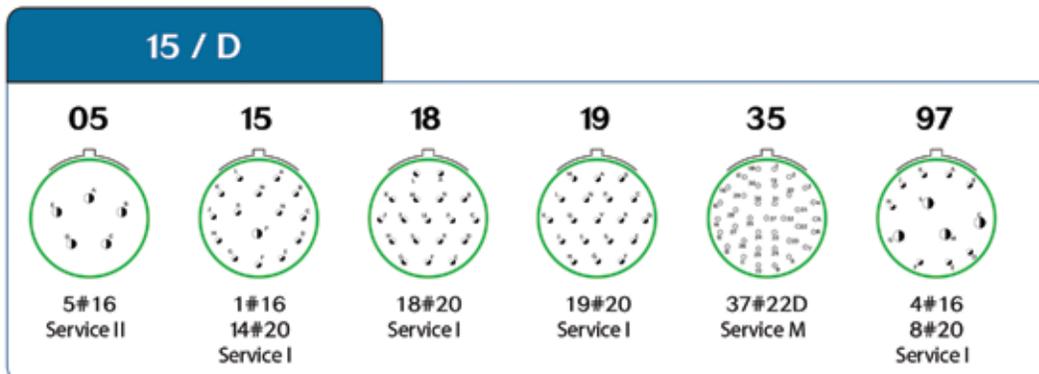
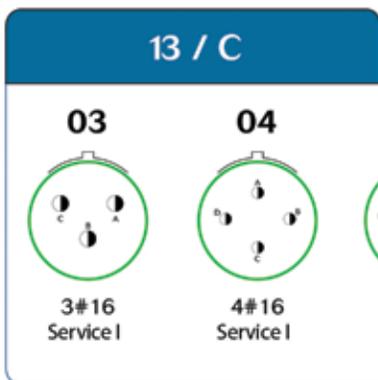
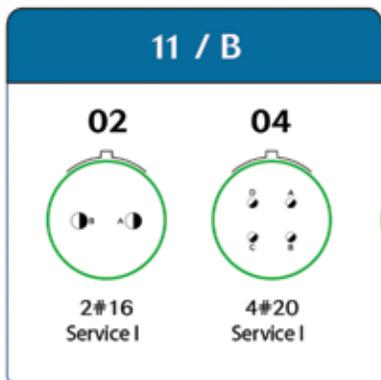
AE40 Series

MIL-DTL-38999 Series III

Contact layouts



-  Contact #22D
-  Contact #20
-  Contact #16
-  Contact #12
-  Contact #10
-  Contact #8 Triax or Coax
-  Contact #8 Power
-  Contact #8 Quadrax

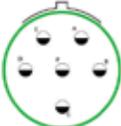
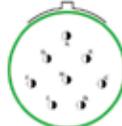
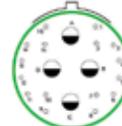
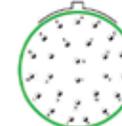
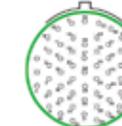
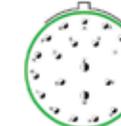


AE40 Series

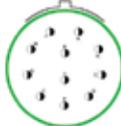
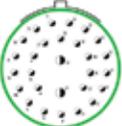
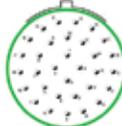
MIL-DTL-38999 Series III

Contact layouts

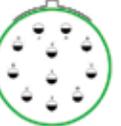
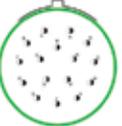
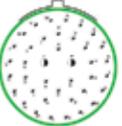
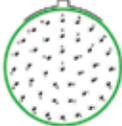
17 / E

<p>06</p>  <p>6#12 Service I</p>	<p>08</p>  <p>8#16 Service II</p>	<p>20</p>  <p>4#12 16#22D Service M</p>	<p>26</p>  <p>26#20 Service I</p>	<p>35</p>  <p>55#22D Service M</p>	<p>99</p>  <p>2#16 21#20 Service I</p>
--	---	---	---	--	--

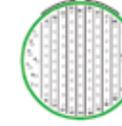
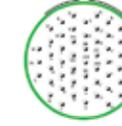
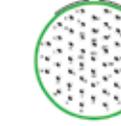
19 / F

<p>11</p>  <p>11#16 Service II</p>	<p>28</p>  <p>26#20 2#16 Service I</p>	<p>32</p>  <p>32#20 Service I</p>	<p>35</p>  <p>66#22D Service M</p>
--	--	---	--

21 / G

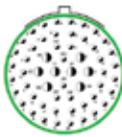
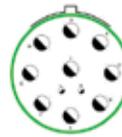
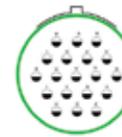
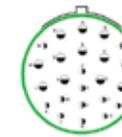
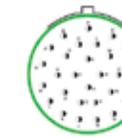
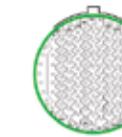
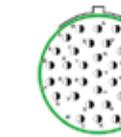
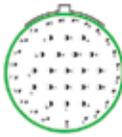
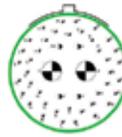
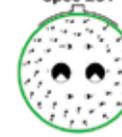
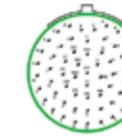
<p>11</p>  <p>11#12 Service I</p>	<p>16</p>  <p>16#16 Service II</p>	<p>35</p>  <p>79#22D Service M</p>	<p>39</p>  <p>2#16 37#20 Service I</p>	<p>41</p>  <p>41#20 Service I</p>
---	--	--	--	---

23 / H

<p>21</p>  <p>21#16 Service II</p>	<p>32</p>  <p>32#20 Service I</p>	<p>35</p>  <p>100#22D Service M</p>	<p>53</p>  <p>53#20 Service I</p>	<p>54</p>  <p>4#12, 9#16 40#22D Service M</p>	<p>55</p>  <p>55#20 Service I</p>
--	---	---	---	---	---

Contact layouts

25 / J

04  48#20 8#16 Service I	11  2#20 9#10 Service N	19  19#12 Service I	24  12#16 12#12 Service II	29  29#16 Service I	35  128#22D Service M	37  37#16 Service I	
43  23#20 20#16 Service I	46  40#20, 4#16 2#8 Coax Service I	46 Spec 251  40#20, 4#16 2#8 Power Service I	61  61#20 Service I				

AE40 Series

Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 9-35

Connector Type:	MIL-DTL-38999 Series II
Insert Designation:	9-35

Number of Contacts	Contact Size	Service Rating
6	22D	M

Contact Locations
Front face of pin insert shown

The diagram shows a circular pin insert with six contact locations labeled 1 through 5. The contacts are arranged in a circular pattern. Dimensions are provided for the contact locations: .045 (width of contact 1), .078 (width of contact 2), .090 (width of contact 3), .078 (width of contact 4), and .045 (width of contact 5). A green circle highlights the contact area.

AE40 Series

Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 9-98

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	9-98

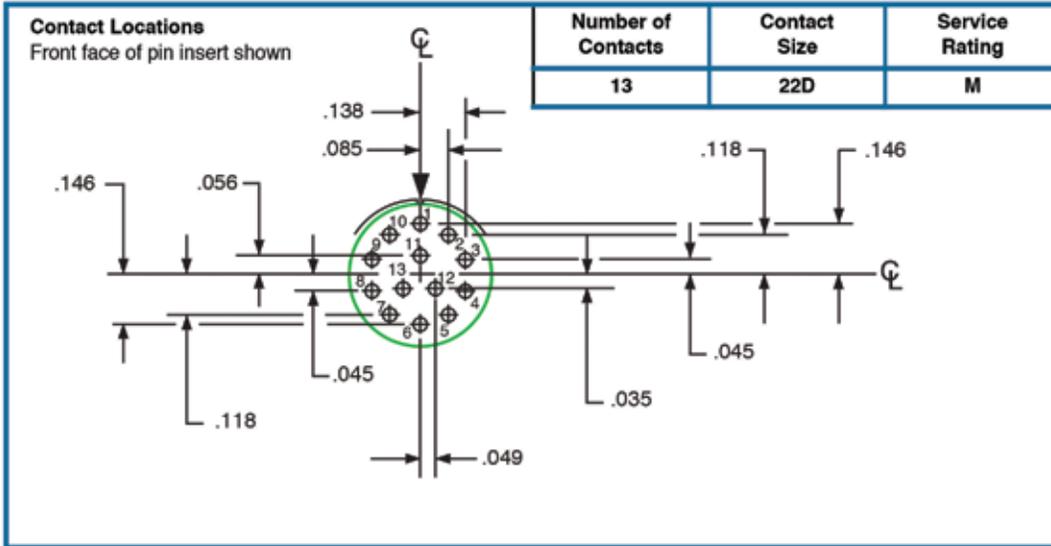
Contact Locations Front face of pin insert shown	Number of Contacts	Contact Size	Service Rating
	3	20	I

The diagram shows a circular pin insert with three contact locations labeled A, B, and C. Dimension lines indicate various measurements: .075, .038, .065, and .065. A green circle highlights the contact area. Datum symbols A and B are also present.

AE40 Series

Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 11-35

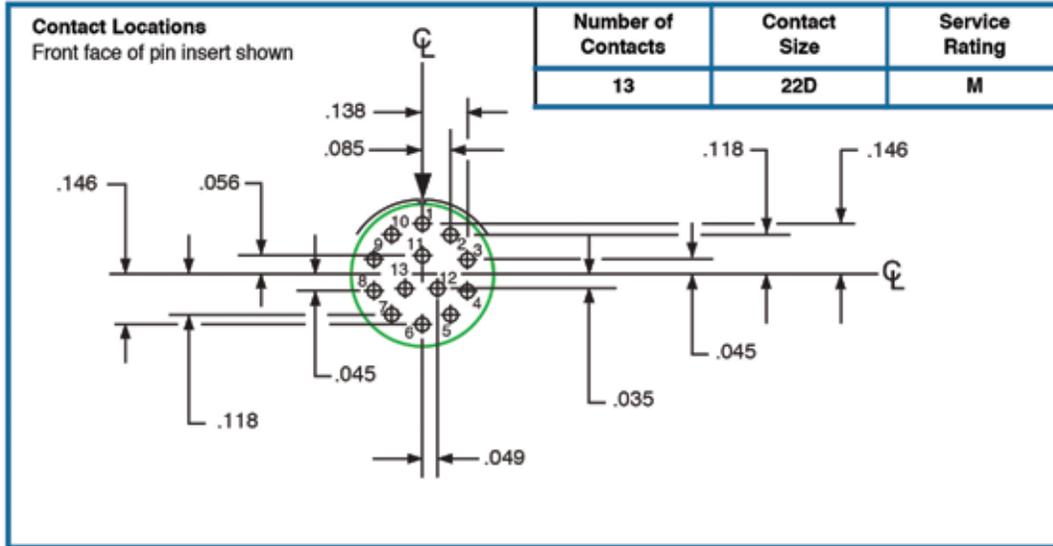
Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	11-35



AE40 Series

Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 11-35

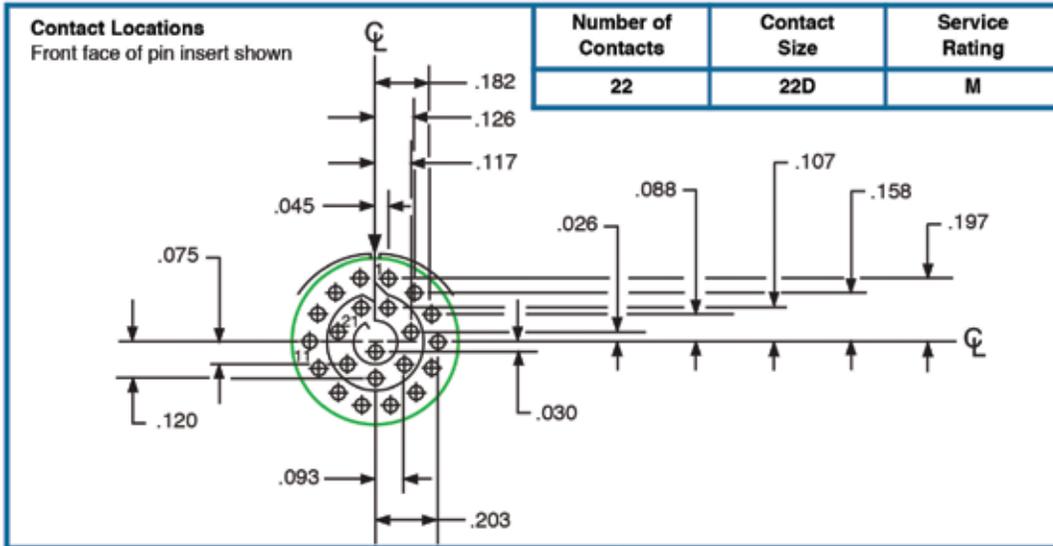
Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	11-35



AE40 Series

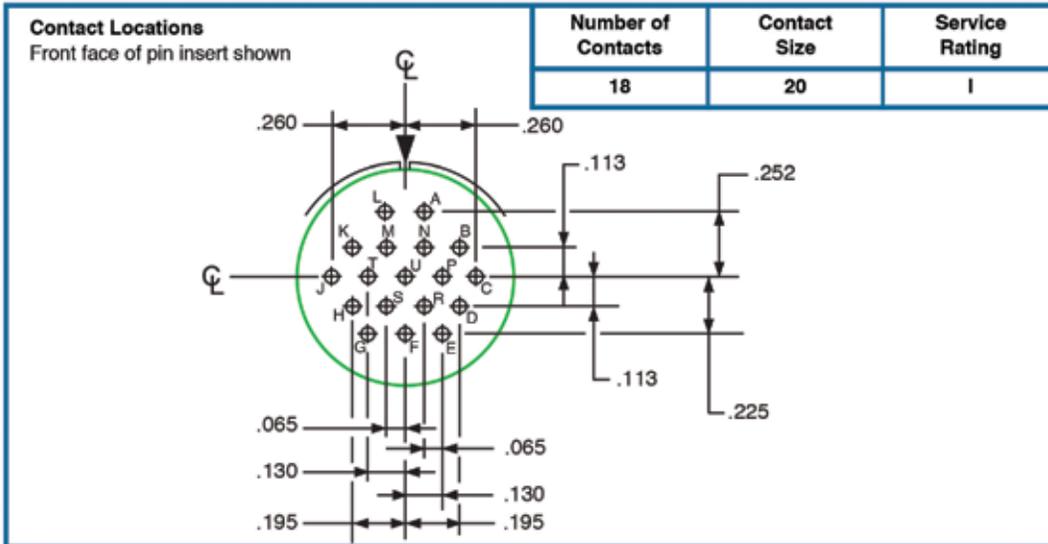
Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 13-35

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	13-35



Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 15-18

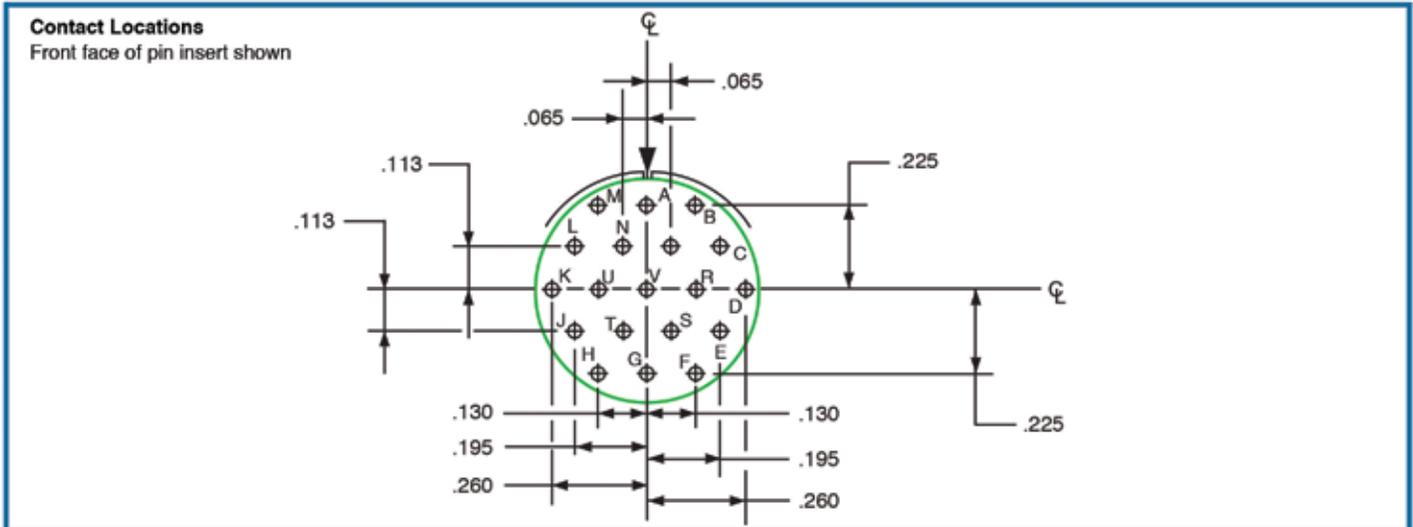
Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	15-18



Insert Arrangement: MIL-DTL-38999 Series III Insert Designation 15-19 & 15-35

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	15-19

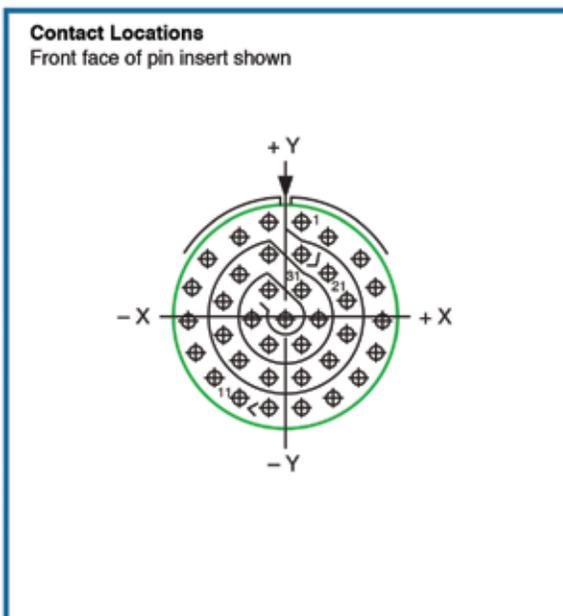
Number of Contacts	Contact Size	Service Rating
19	20	I



Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	15-35

Number of Contacts	Contact Size	Service Rating
37	22D	M

Contact Locations
Front face of pin insert shown



Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
1	+.045	+.262
2	+.123	+.217
3	+.211	+.160
4	+.254	+.080
5	+.266	-.010
6	+.247	-.098
7	+.200	-.175
8	+.130	-.232
9	+.045	-.262
10	-.045	-.262
11	-.130	-.232
12	-.200	-.175
13	-.247	-.098
14	-.266	-.010
15	-.254	+.080
16	-.211	+.160
17	-.123	+.217
18	-.045	+.262
19	+.045	+.172
20	+.123	+.119

Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
21	+.170	+.040
22	+.170	-.050
23	+.123	-.127
24	+.045	-.172
25	-.045	-.172
26	-.123	-.127
27	-.170	-.050
28	-.170	+.040
29	-.123	+.119
30	-.045	+.172
31	+.045	+.074
32	+.090	-.004
33	+.045	-.082
34	-.045	-.082
35	-.090	-.004
36	-.045	+.074
37	.000	-.004

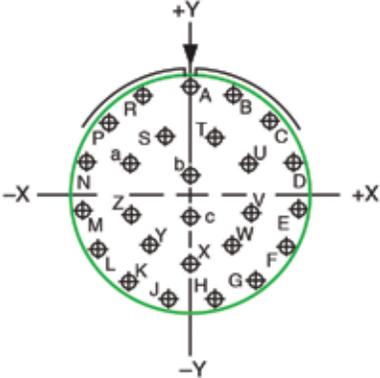
Insert Arrangement: MIL-DTL-38999 Series III Insert Designation 17-26

Connector Type: **MIL-DTL-38999
Series III**

Insert Designation: **17-26**

Number of Contacts	Contact Size	Service Rating
26	20	I

Contact Locations
Front face of pin insert shown



Contact Number	Location	
	X Axis	Y Axis
A	.000	+321
B	+131	+293
C	+239	+214
D	+305	+099
E	+319	-.034
F	+278	-.161
G	+189	-.260
H	+067	-.314
J	-.067	-.314
K	-.189	-.260
L	-.278	-.161
M	-.319	-.034
N	-.305	+099
P	-.239	+214

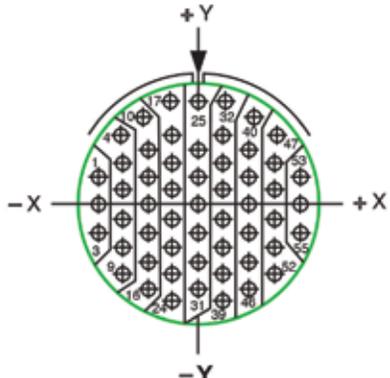
Contact Number	Location	
	X Axis	Y Axis
R	-.131	+293
S	-.070	+177
T	+070	+177
U	+175	+094
V	+178	-.036
W	+119	-.151
X	.000	-.203
Y	-.119	-.151
Z	-.178	-.036
a	-.175	+094
b	.000	+065
c	.000	-.065

Insert Arrangement: MIL-DTL-38999 Series III Insert Designation 17-35

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	17-35

Number of Contacts	Contact Size	Service Rating
55	22D	M

Contact Locations
Front face of pin insert shown



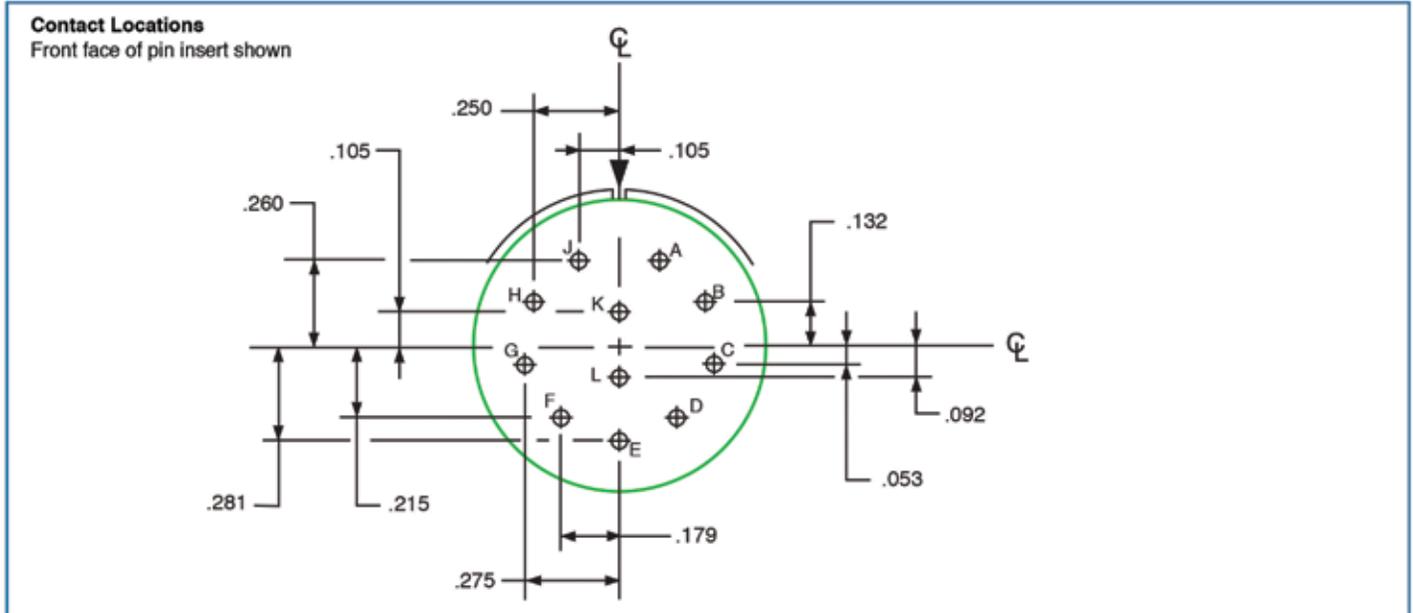
Contact Number	Location	
	X Axis	Y Axis
1	-.312	+.086
2	-.312	-.004
3	-.312	-.094
4	-.242	+.221
5	-.234	+.131
6	-.234	+.041
7	-.234	-.049
8	-.234	-.139
9	-.234	-.229
10	-.172	+.279
11	-.156	+.176
12	-.156	+.086
13	-.156	-.004
14	-.156	-.094
15	-.156	-.184
16	-.156	-.274
17	-.089	+.316
18	-.078	+.221
19	-.078	+.131
20	-.078	+.041
21	-.078	-.049
22	-.078	-.139
23	-.078	-.229
24	-.078	-.319
25	.000	+.329
26	.000	+.176
27	.000	+.086
28	.000	-.004
29	.000	-.094
30	.000	-.184
31	.000	-.274
32	+.089	+.316
33	+.078	+.221
34	+.078	+.131
35	+.078	+.041
36	+.078	-.049
37	+.078	-.139
38	+.078	-.229
39	+.078	-.319
40	+.172	+.279
41	+.156	+.176
42	+.156	+.086
43	+.156	-.004
44	+.156	-.094
45	+.156	-.184
46	+.156	-.274
47	+.242	+.221
48	+.234	+.131
49	+.234	+.041
50	+.234	-.049
51	+.234	-.139
52	+.234	-.229
53	+.312	+.086
54	+.312	-.004
55	+.312	-.094

Contact Number	Location	
	X Axis	Y Axis
32	+.089	+.316
33	+.078	+.221
34	+.078	+.131
35	+.078	+.041
36	+.078	-.049
37	+.078	-.139
38	+.078	-.229
39	+.078	-.319
40	+.172	+.279
41	+.156	+.176
42	+.156	+.086
43	+.156	-.004
44	+.156	-.094
45	+.156	-.184
46	+.156	-.274
47	+.242	+.221
48	+.234	+.131
49	+.234	+.041
50	+.234	-.049
51	+.234	-.139
52	+.234	-.229
53	+.312	+.086
54	+.312	-.004
55	+.312	-.094

Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 19-11

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	19-11

Number of Contacts	Contact Size	Service Rating
11	16	II



Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 19-35

Connector Type:

MIL-DTL-38999
Series III

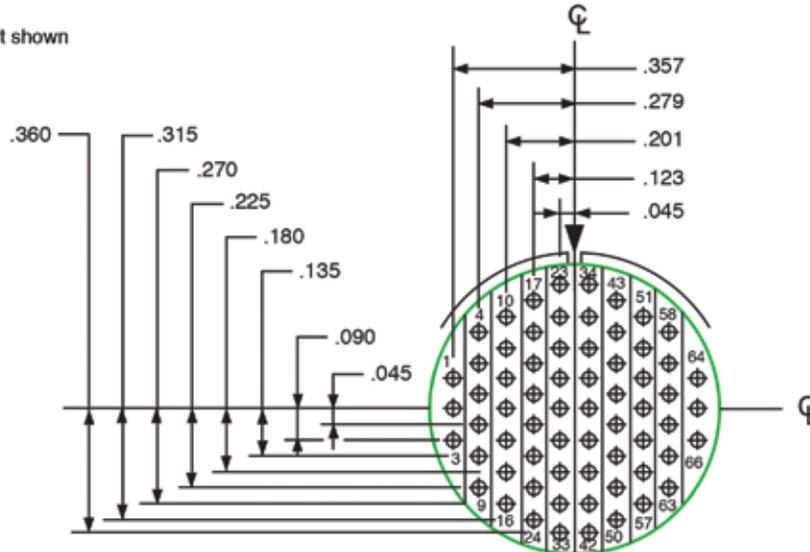
Insert Designation:

19-35

Number of Contacts	Contact Size	Service Rating
66	22D	M

Contact Locations

Front face of pin insert shown

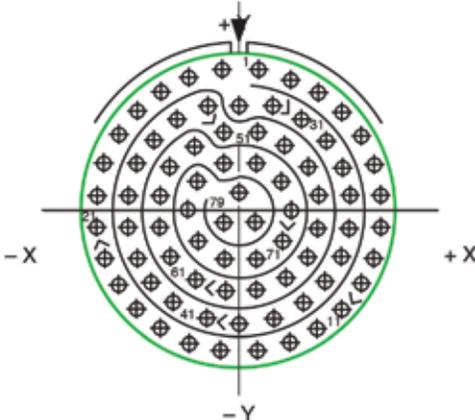


Insert Arrangement: MIL-DTL-38999 Series III Insert Designation 21-35

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	21-35

Number of Contacts	Contact Size	Service Rating
79	22D	M

Contact Locations
Front face of pin insert shown



Contact Number	Location	
	X Axis	Y Axis
10	+0.365	-0.227
11	+0.306	-0.302
12	+0.232	-0.362
13	+0.146	-0.404
14	+0.053	-0.426
15	-0.053	-0.426
16	-0.146	-0.404
17	-0.232	-0.362
18	-0.306	-0.302
19	-0.365	-0.227
20	-0.406	-0.141
21	-0.427	-0.048
22	-0.427	+0.048
23	-0.406	+0.141
24	-0.365	+0.227
25	-0.306	+0.302
26	-0.232	+0.362
27	-0.146	+0.404
28	-0.053	+0.426
29	.000	+0.323
30	+0.098	+0.322
31	+0.184	+0.280
32	+0.258	+0.220
33	+0.311	+0.141
34	+0.332	+0.048
35	+0.332	-0.048
36	+0.311	-0.141
37	+0.258	-0.220
38	+0.184	-0.280
39	+0.098	-0.322
40	.000	-0.347
41	-0.098	-0.322
42	-0.184	-0.280
43	-0.258	-0.220
44	-0.311	-0.141

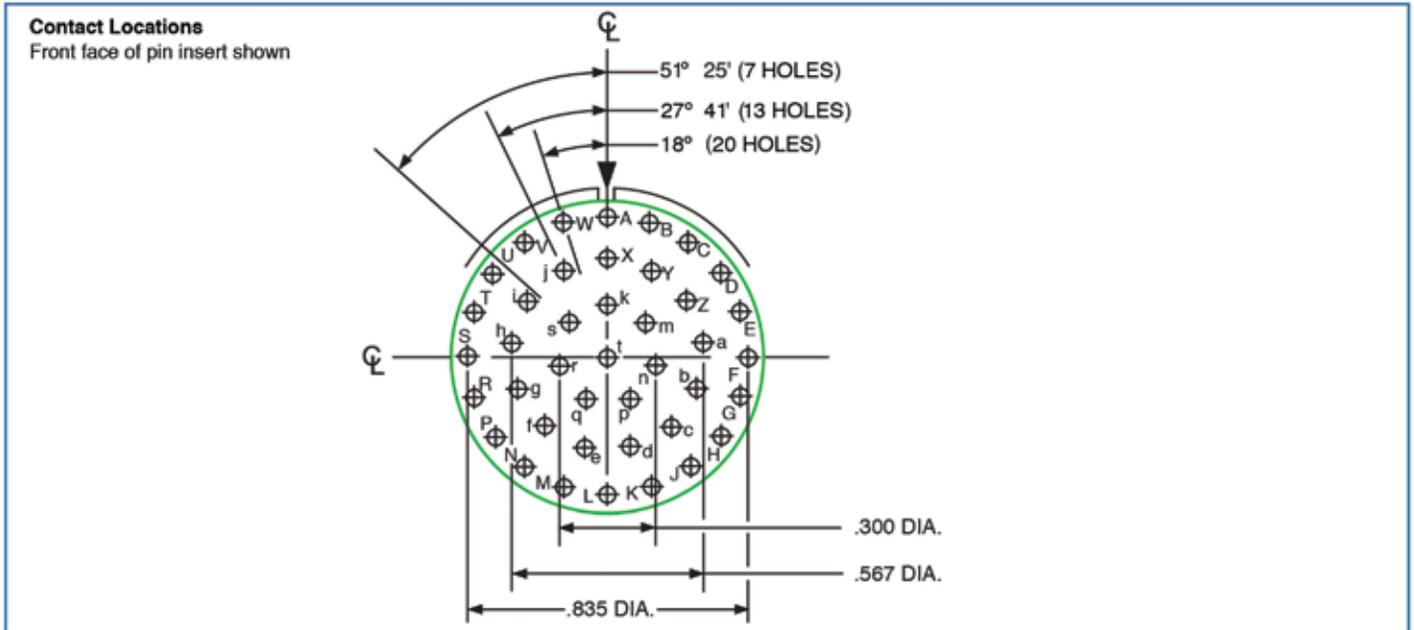
Contact Number	Location	
	X Axis	Y Axis
45	-0.332	-0.048
46	-0.332	+0.048
47	-0.311	+0.141
48	-0.258	+0.220
49	-0.184	+0.280
50	-0.098	+0.322
51	-0.048	+0.241
52	+0.048	+0.241
53	+0.134	+0.199
54	+0.208	+0.139
55	+0.237	+0.048
56	+0.237	-0.048
57	+0.208	-0.139
58	+0.134	-0.199
59	+0.048	-0.241
60	-0.048	-0.241
61	-0.134	-0.199
62	-0.208	-0.139
63	-0.237	-0.048
64	-0.237	+0.048
65	-0.208	+0.139
66	-0.134	+0.199
67	-0.048	+0.146
68	+0.048	+0.146
69	+0.125	+0.090
70	+0.155	.000
71	+0.125	-0.090
72	+0.048	-0.146
73	-0.048	-0.146
74	-0.125	-0.090
75	-0.155	.000
76	-0.125	+0.090
77	.000	+0.053
78	+0.048	-0.029
79	-0.048	-0.029

Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
1	+0.053	+0.426
2	+0.146	+0.404
3	+0.232	+0.362
4	+0.306	+0.302
5	+0.365	+0.227
6	+0.406	+0.141
7	+0.427	+0.048
8	+0.427	-0.048
9	+0.406	-0.141

Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 21-41

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	21-41

Number of Contacts	Contact Size	Service Rating
41	20	I

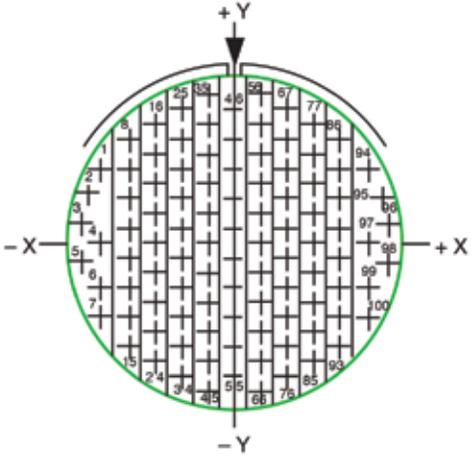


Insert Arrangement: MIL-DTL-38999 Series III Insert Designation 23-35

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	23-35

Number of Contacts	Contact Size	Service Rating
100	22D	M

Contact Locations
Front face of pin insert shown



Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
19	-.249	+.095
20	-.249	.000
21	-.249	-.095
22	-.249	-.190
23	-.249	-.285
24	-.249	-.380
25	-.166	+.428
26	-.166	+.333
27	-.166	+.238
28	-.166	+.143
29	-.166	+.048
30	-.166	-.047
31	-.166	-.142
32	-.166	-.237
33	-.166	-.332
34	-.166	-.427
35	-.083	+.475
36	-.083	+.380
37	-.083	+.285
38	-.083	+.190
39	-.083	+.095
40	-.083	.000
41	-.083	-.095
42	-.083	-.190
43	-.083	-.285
44	-.083	-.380
45	-.083	-.475
46	.000	+.428
47	.000	+.333
48	.000	+.238
49	.000	+.143
50	.000	+.048
51	.000	-.047
52	.000	-.142
53	.000	-.237
54	.000	-.332
55	.000	-.427
56	+.083	+.475
57	+.083	+.380
58	+.083	+.285
59	+.083	+.190
60	+.083	+.095

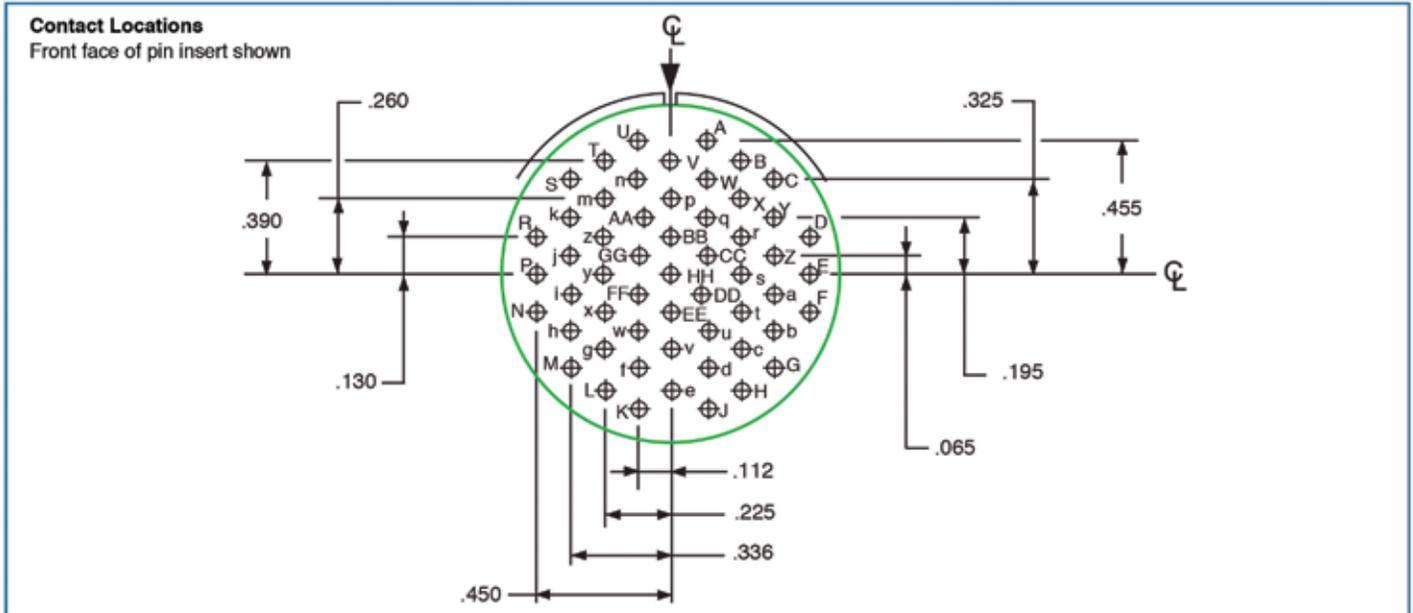
Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
61	+.083	.000
62	+.083	-.095
63	+.083	-.190
64	+.083	-.285
65	+.083	-.380
66	+.083	-.475
67	+.166	+.428
68	+.166	+.333
69	+.166	+.238
70	+.166	+.143
71	+.166	+.048
72	+.166	-.047
73	+.166	-.142
74	+.166	-.237
75	+.166	-.332
76	+.166	-.427
77	+.249	+.380
78	+.249	+.285
79	+.249	+.190
80	+.249	+.095
81	+.249	.000
82	+.249	-.095
83	+.249	-.190
84	+.249	-.285
85	+.249	-.380
86	+.332	+.333
87	+.332	+.238
88	+.332	+.143
89	+.332	+.048
90	+.332	-.047
91	+.332	-.142
92	+.332	-.237
93	+.332	-.332
94	+.428	+.241
95	+.467	+.154
96	+.488	+.061
97	+.415	.000
98	+.488	-.061
99	+.428	-.142
100	+.428	-.237

Contact Hole Locations		
Contact Number	Location	
	X Axis	Y Axis
1	-.428	+.241
2	-.467	+.154
3	-.488	+.061
4	-.415	.000
5	-.488	-.061
6	-.428	-.142
7	-.428	-.237
8	-.332	+.333
9	-.332	+.238
10	-.332	+.143
11	-.332	+.048
12	-.332	-.047
13	-.332	-.142
14	-.332	-.237
15	-.332	-.332
16	-.249	+.380
17	-.249	+.285
18	-.249	+.190

Insert Arrangement:
MIL-DTL-38999 Series III
Insert Designation 23-55

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	23-55

Number of Contacts	Contact Size	Service Rating
55	20	I



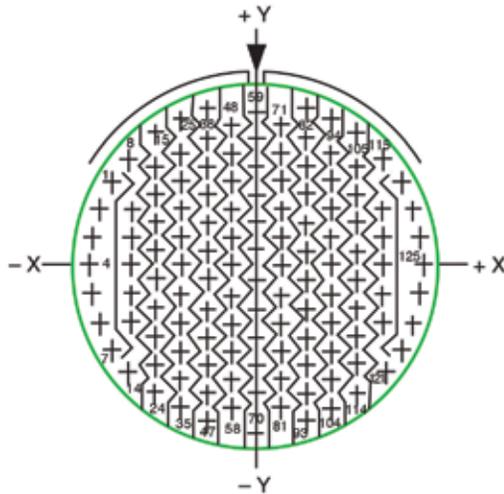
Insert Arrangement: MIL-DTL-38999 Series III Insert Designation 25-35

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	25-35

Number of Contacts	Contact Size	Service Rating
128	22D	M

Contact Locations

Front face of pin insert shown



Contact Number	Location	
	X Axis	Y Axis
1	-.479	+.279
2	-.520	+.190
3	-.546	+.095
4	-.555	.000
5	-.546	-.095
6	-.520	-.190
7	-.479	-.279
8	-.424	+.357
9	-.415	+.190
10	-.415	+.095
11	-.415	.000
12	-.415	-.095
13	-.415	-.190
14	-.424	-.357
15	-.332	+.444
16	-.332	+.332
17	-.332	+.237
18	-.332	+.142
19	-.332	+.047
20	-.332	-.047
21	-.332	-.142
22	-.332	-.237
23	-.332	-.332
24	-.332	-.427
25	-.249	+.496
26	-.249	+.380
27	-.249	+.285

Contact Hole Locations

Contact Number	Location	
	X Axis	Y Axis
28	-.249	+.190
29	-.249	+.095
30	-.249	.000
31	-.249	-.095
32	-.249	-.190
33	-.249	-.285
34	-.249	-.380
35	-.249	-.475
36	-.166	+.531
37	-.166	+.427
38	-.166	+.332
39	-.166	+.237
40	-.166	+.142
41	-.166	+.047
42	-.166	-.047
43	-.166	-.142
44	-.166	-.237
45	-.166	-.332
46	-.166	-.427
47	-.166	-.522
48	-.083	+.475
49	-.083	+.380
50	-.083	+.285
51	-.083	+.190
52	-.083	+.095
53	-.083	.000
54	-.083	-.095
55	-.083	-.190
56	-.083	-.285
57	-.083	-.380
58	-.083	-.475
59	.000	+.522
60	.000	+.427
61	.000	+.332
62	.000	+.237
63	.000	+.142
64	.000	+.047
65	.000	-.047
66	.000	-.142
67	.000	-.237
68	.000	-.332
69	.000	-.427
70	.000	-.555
71	+.083	+.475
72	+.083	+.380
73	+.083	+.285
74	+.083	+.190
75	+.083	+.095
76	+.083	.000
77	+.083	-.095

Contact Hole Locations

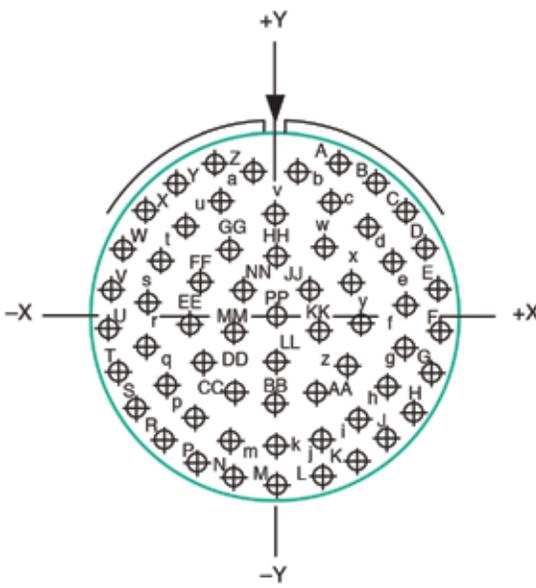
Contact Number	Location	
	X Axis	Y Axis
78	+.083	-.190
79	+.083	-.285
80	+.083	-.380
81	+.083	-.475
82	+.166	+.531
83	+.166	+.427
84	+.166	+.332
85	+.166	+.237
86	+.166	+.142
87	+.166	+.047
88	+.166	-.047
89	+.166	-.142
90	+.166	-.237
91	+.166	-.332
92	+.166	-.427
93	+.166	-.522
94	+.249	+.496
95	+.249	+.380
96	+.249	+.285
97	+.249	+.190
98	+.249	+.095
99	+.249	.000
100	+.249	-.095
101	+.249	-.190
102	+.249	-.285
103	+.249	-.380
104	+.249	-.475
105	+.332	+.444
106	+.332	+.332
107	+.332	+.237
108	+.332	+.142
109	+.332	+.047
110	+.332	-.047
111	+.332	-.142
112	+.332	-.237
113	+.332	-.332
114	+.332	-.427
115	+.424	+.357
116	+.415	+.190
117	+.415	+.095
118	+.415	.000
119	+.415	-.095
120	+.415	-.190
121	+.424	-.357
122	+.479	+.279
123	+.520	+.190
124	+.546	+.095
125	+.555	.000
126	+.546	-.095
127	+.520	-.190
128	+.479	-.279

Insert Arrangement: MIL-DTL-38999 Series III Insert Designation 25-61

Connector Type:	MIL-DTL-38999 Series III
Insert Designation:	25-61

Number of Contacts	Contact Size	Service Rating
61	20	I

Contact Locations
Front face of pin insert shown



Contact Number	Location	
	X Axis	Y Axis
A	+196	+500
B	+314	+435
C	+413	+343
D	+485	+230
E	+527	+101
F	+536	-.030
G	+511	-.164
H	+454	-.287
J	+368	-.391
K	+259	-.470
L	+134	-.519
M	.000	-.537
N	-.134	-.519
P	-.259	-.470
R	-.368	-.391
S	-.454	-.287
T	-.511	-.164
U	-.536	-.030
V	-.527	+101
W	-.485	+230
X	-.413	+343
Y	-.314	+435
Z	-.196	+500
a	-.068	+454
b	+068	+454
c	+173	+363
d	+285	+283
e	+362	+175
f	+399	+046
g	+392	-.088

Contact Number	Location	
	X Axis	Y Axis
h	+341	-.213
i	+251	-.314
j	+133	-.379
k	.000	-.402
m	-.133	-.379
n	-.251	-.314
p	-.341	-.213
q	-.392	-.088
r	-.399	+046
s	-.362	+175
t	-.285	+283
u	-.173	+363
v	.000	+338
w	+147	+223
x	+237	+122
y	+267	-.010
z	+228	-.139
AA	+131	-.233
BB	.000	-.267
CC	-.131	-.233
DD	-.228	-.139
EE	-.267	-.010
FF	-.237	+122
GG	-.147	+223
HH	.000	+200
JJ	+105	+094
KK	+135	-.041
LL	.000	-.132
MM	-.135	-.041
NN	-.105	+094
PP	.000	.000

Air Electro, Inc.

Electrical Connectors, Contacts & Accessories

