

38999
SJT I II III

26482
Matrix 2

83723 III
Matrix Pyle

5015
Crimp Rear
Release Matrix

26500 Pyle

Printed
Circuit Board

EMI Filter
Transient

Fiber Optics

High Speed
Contacts

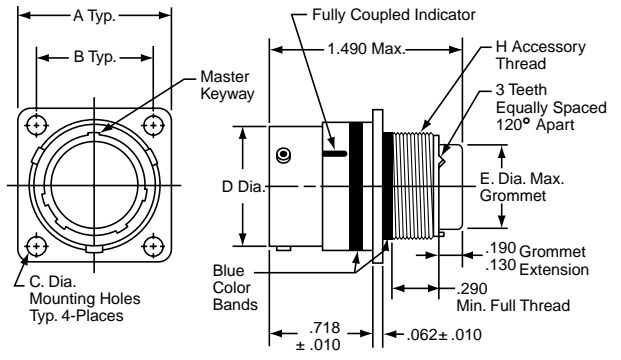
Options
Others

PART #

To complete, see how to order page 127.

Connector Type	Connector Style (Bayonet) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /71 (with socket contacts)	X	X-X	X
Military	M83723 /72 (with pin contacts)	X	X-X	X

Connector Type (Bayonet)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MB	30	X	X-X	X	XXX



Shell Size	A ±.005	B ±.005	C Dia. ±.005	D Dia.	E Dia.	H Accessory Thread Class 2A
8	.812	.594	.120	.536/.531	.305	.5000-20 UNF
10	.937	.719	.120	.659/.654	.405	.6250-24 UNEF
12	1.031	.812	.120	.829/.824	.531	.7500-20 UNEF
14	1.125	.906	.120	.898/.893	.665	.8750-20 UNEF
16	1.250	.969	.120	1.025/1.020	.790	1.0000-20 UNEF
18	1.343	1.062	.120	1.131/1.126	.869	1.0625-18 UNEF
20	1.437	1.156	.120	1.256/1.251	.994	1.1875-18 UNEF
22	1.562	1.250	.120	1.381/1.376	1.119	1.3125-18 UNEF
24	1.703	1.375	.149	1.506/1.501	1.244	1.4375-18 UNEF

All dimensions for reference only.

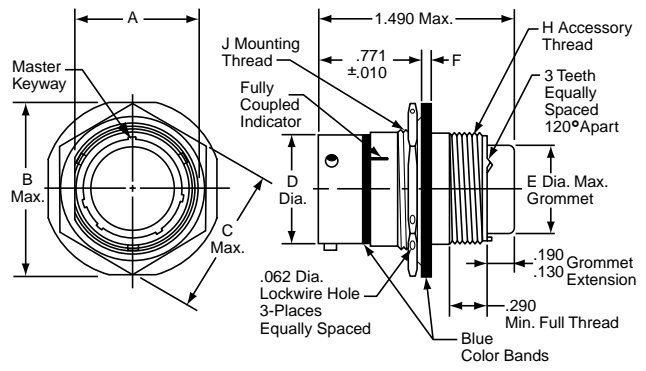
M83723/73 & /74 – MIL-DTL-83723, Series III
 Jam Nut Receptacle with Bayonet Coupling

PART #

To complete, see how to order page 127.

Connector Type	Connector Style (Bayonet) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /73 (with socket contacts)	X	X-X	X
Military	M83723 /74 (with pin contacts)	X	X-X	X

Connector Type (Bayonet)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MB	34	X	X-X	X	XXX



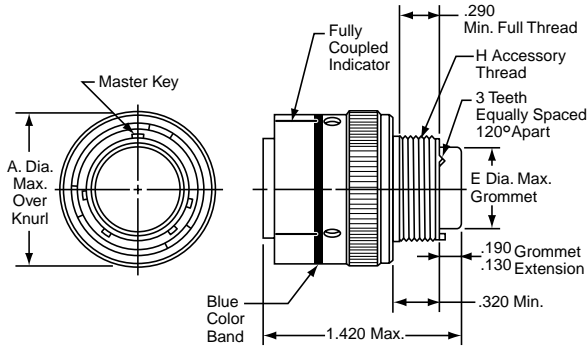
Shell Size	A	B Max.	C Max.	D Dia.	E Dia. Max.	F	H Accessory Thread Class 2A	J Mounting Thread Class 2A
8	.596/.590	.979	.829	.536/.531	.305	.137/.097	.5000-20 UNF	.6250-20 UN
10	.721/.715	1.104	.954	.659/.654	.405	.137/.097	.6250-24 UNEF	.7500-20 UNEF
12	.908/.902	1.291	1.142	.829/.824	.531	.113/.097	.7500-20 UNEF	.9375-20 UNEF
14	.971/.965	1.391	1.205	.898/.893	.665	.137/.097	.8750-20 UNEF	1.0000-20 UNEF
16	1.096/1.090	1.516	1.329	1.025/1.020	.790	.137/.097	1.0000-20 UNEF	1.1250-20 UN
18	1.220/1.214	1.641	1.455	1.131/1.126	.869	.137/.097	1.0625-18 UNEF	1.2500-18 UNEF
20	1.345/1.339	1.766	1.579	1.256/1.251	.994	.137/.097	1.1875-18 UNEF	1.3750-18 UNEF
22	1.470/1.464	1.954	1.705	1.381/1.376	1.119	.169/.128	1.3125-18 UNEF	1.5000-20 UNEF
24	1.595/1.589	2.079	1.829	1.506/1.501	1.244	.168/.128	1.4375-18 UNEF	1.6250-18 UNEF

All dimensions for reference only.

M83723/75 & /76 – MIL-DTL-83723, Series III



Straight Plug with Bayonet Coupling



PART

To complete, see how to order page 127.

Connector Type	Connector Style (Bayonet) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /75 (with socket contacts)	X	X-X	X
Military	M83723 /76 (with pin contacts)	X	X-X	X

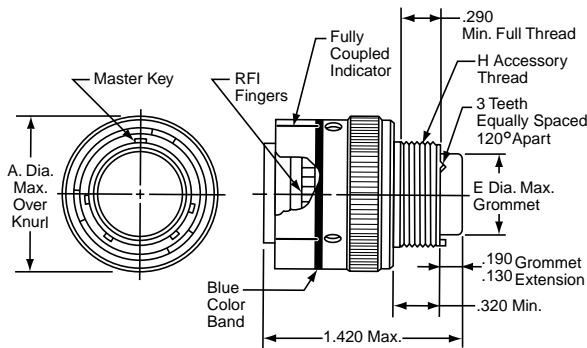
Connector Type (Bayonet)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MB	36	X	X-X	X	XXX

Shell Size	A Dia. Max.	E Dia. Max.	H Accessory Thread Class 2A
8	.776	.305	.5000-20 UNF
10	.906	.405	.6250-24 UNEF
12	1.078	.531	.7500-20 UNEF
14	1.141	.665	.8750-20 UNEF
16	1.266	.790	1.0000-20 UNEF
18	1.375	.869	1.0625-18 UNEF
20	1.510	.994	1.1875-18 UNEF
22	1.625	1.119	1.3125-18 UNEF
24	1.760	1.244	1.4375-18 UNEF

All dimensions for reference only.

M83723/77 & /78 – MIL-DTL-83723, Series III

Straight Plug, Bayonet Coupling (with RFI grounding fingers)



PART

To complete, see how to order page 127.

Connector Type	Connector Style (Bayonet) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /77 (with socket contacts)	X	X-X	X
Military	M83723 /78 (with pin contacts)	X	X-X	X

Connector Type (Bayonet)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MB	38	X	X-X	X	XXX

Shell Size	A Dia. Max.	E Dia. Max.	H Accessory Thread Class 2A
8	.776	.305	.5000-20 UNF
10	.906	.405	.6250-24 UNEF
12	1.078	.531	.7500-20 UNEF
14	1.141	.665	.8750-20 UNEF
16	1.266	.790	1.0000-20 UNEF
18	1.375	.869	1.0625-18 UNEF
20	1.510	.994	1.1875-18 UNEF
22	1.625	1.119	1.3125-18 UNEF
24	1.760	1.244	1.4375-18 UNEF

All dimensions for reference only.

38999 III II I SJT

26482 Matrix 2

83723 III Matrix Pyle

5015 Crimp Rear Release Matrix

26500 Pyle

Printed Circuit Board

EMI Filter Transient

Fiber Optics

High Speed Contacts

Options Others

- 38999 MIL-DTL-83723, Series III
- SJT I II III
- 26482 Matrix 2
- 83723 III Matrix Pyle
- 5015 Crimp Rear Release Matrix
- 26500 Pyle
- Printed Circuit Board
- EMI Filter Transient
- Fiber Optics
- High Speed Contacts
- Options Others

1.	2.	3.	4.	5.	
MIL-DTL-83723, Series III	Connector Type	Connector Style (Threaded) and Contact Type)	Service Class	Shell Size/ Insert Arrangement	Alternate Keying Position of Shell or Alternate Rotation of Insert
MILITARY	M83723	/84	R	0803	N

1.	2.	3.	4.	5.	6.	7.	
Amphenol®/Matrix® MIL-DTL-83723, Series III	Connector Type (Threaded)	Connector Style	Service Class	Shell Size/ Insert Arrangement	Contact Type	Alternate Keying Position of Shell or Alternate Rotation of Insert	Modification Number
COMMERCIAL	MT	34	R	0803	P	7	XXX

Step 1. Military Connector Type

M83723	Designates MIL-DTL-83723 Series III Connectors
---------------	---

Step 2. Select a Connector Style

(Refer to military specification slash sheet number).

	Designates
/82	Wall Mount Receptacle with Socket Contacts
/83	Wall Mount Receptacle with Pin Contacts
/84	Jam Nut Receptacle with Socket Contacts
/85	Jam Nut Receptacle with Pin Contacts
/86	Standard Straight Plug with Socket Contacts
/87	Standard Straight Plug with Pin Contacts
/91	Straight Plug with RFI grounding, Socket Contacts
/92	Straight Plug with RFI grounding, Pin Contacts
/95	Straight Plug with Self-Locking Clutch Plate, Socket Contacts
/96	Straight Plug with Self-Locking Clutch Plate, Pin Contacts

Step 3. Select a Service Class

	Designates
A	Aluminum shell, black non-conductive anodize finish, fluid resistant insert
R	Aluminum shell, electroless nickel finish, fluid resistant insert
G	Stainless steel shell, passivated, fluid resistant insert
W	Aluminum shell, olive drab cadmium plated, fluid resistant insert

See additional classes of MIL-DTL-83723, Series III which are available in the Amphenol/Pyle versions: Classes K, S, N - firewall, high temperature (200°C – 260°C) and Classes H and Y - hermetics. These are covered in the 83723 Pyle section of this catalog.

Step 4. Select a Shell Size & Insert Arrangement from chart on pg. 124.

Shell Size & Insert Arrangements are on page 124. First number represents Shell Size, second number is the Insert Arrangement. (Note that shell size 28 is not an MS connector, and should be ordered by commercial number.)

Step 5. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 124 for descriptions.

or Step 5. Select an Alternate Rotation of Insert.

Use N for Normal. Use 1, 2, 3, 4, or 5 for alternate rotation of insert. See page 124 for descriptions.

For ordering information on accessories, such as protection caps and backshell hardware, contact Amphenol Aerospace, Sidney, NY.

Step 1. Commercial Connector Type

MT	Designates Amphenol®/Matrix® Threaded Coupling Connector
-----------	---

Step 2. Select a Connector Style

	Designates
30	Wall Mount Receptacle
34	Jam Mount Receptacle
36	Standard Straight Plug
38	Straight Plug with RFI grounding fingers
37	Straight Plug with Self-Locking Clutch Plate

Step 3. Select a Service Class

	Designates
A	Aluminum shell, black non-conductive anodize finish, fluid resistant insert
R	Aluminum shell, electroless nickel finish, fluid resistant insert
G	Stainless steel shell, passivated, fluid resistant insert
W	Aluminum shell, cadmium olive drab finish, corrosion resistant, fluid resistant insert

See additional classes of MIL-DTL-83723, Series III which are available in the Amphenol/Pyle versions: Classes K, S, N - firewall, high temperature (200°C – 260°C) and Classes H and Y - hermetics. These are covered in the 83723 Pyle section of this catalog.

Step 4. Select a Shell Size & Insert Arrangement from chart on pg. 124.

Shell Size & Insert Arrangements are on page 124. First number represents Shell Size, second number is the Insert Arrangement.

Step 5. Select a Contact Type

	Designates
P	Pin Contacts
S	Socket Contacts

Step 6. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 124 for descriptions.

or Step 6. Select an Alternate Rotation of Insert.

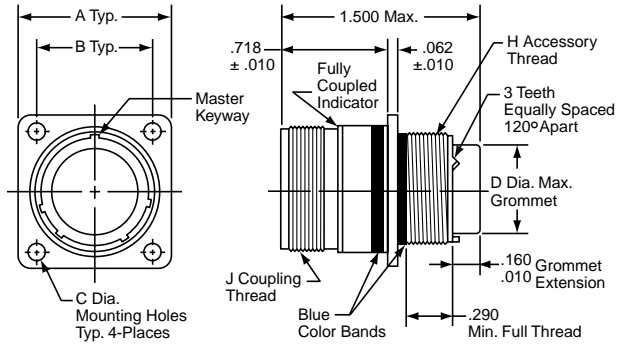
Use N for Normal. Use 1, 2, 3, 4, or 5 for alternate rotation of insert. See page 124 for descriptions.

Step 7. Modification Number

Consult Amphenol Aerospace for information.

M83723/82 & /83 – MIL-DTL-83723, Series III

Wall Mounting Receptacle with Threaded Coupling



PART

To complete, see how to order page 130.

Connector Type	Connector Style (Threaded) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /82 (with socket contacts)	X	X-X	X
Military	M83723 /83 (with pin contacts)	X	X-X	X

Connector Type (Threaded)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MT	30	X	X-X	X	XXX

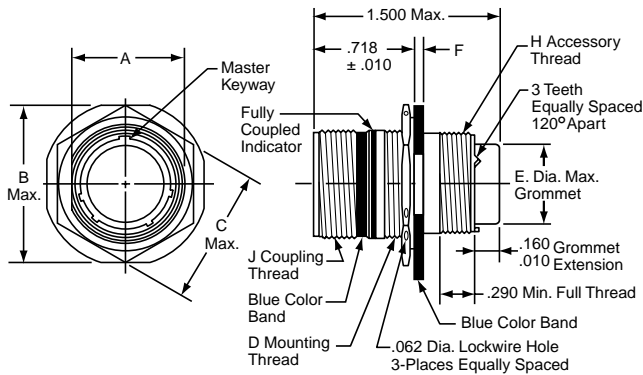
Shell Size	A ±.005	B ±.005	C Dia.	D Dia. Max.	H Accessory Thread Class 2A	J Coupling Thread Class 2B
8	.812	.594	.125/.116	.305	.5000-20 UNEF	.5625-24 UNEF
10	.937	.719	.125/.116	.405	.6250-24 UNEF	.6875-24 UNEF
12	1.031	.812	.125/.116	.531	.7500-20 UNEF	.8750-20 UNEF
14	1.125	.906	.125/.116	.665	.8750-20 UNEF	.9375-20 UNEF
16	1.250	.969	.125/.116	.790	1.0000-20 UNEF	1.0625-18 UNEF
18	1.343	1.062	.125/.116	.869	1.0625-18 UNEF	1.1875-18 UNEF
20	1.437	1.156	.125/.116	.994	1.1875-18 UNEF	1.3125-18 UNEF
22	1.562	1.250	.125/.116	1.119	1.3125-18 UNEF	1.4375-18 UNEF
24	1.703	1.375	.154/.145	1.244	1.4375-18 UNEF	1.5625-18 UNEF
28*	2.000	1.562	.154/.145	1.465	1.7500-18 UNS	1.8125-16 UN

* Shell size 28 is not a MS connector; order by commercial part number.

All dimensions for reference only.

M83723/84 & /85 – MIL-DTL-83723, Series III

Jam Nut Receptacle with Threaded Coupling



PART

To complete, see how to order page 130.

Connector Type	Connector Style (Threaded) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /84 (with socket contacts)	X	X-X	X
Military	M83723 /85 (with pin contacts)	X	X-X	X

Connector Type (Threaded)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MT	34	X	X-X	X	XXX

Shell Size	A ±.003	B Max.	C Max.	D Mounting Thread	E Dia. Max.	F	H Accessory Thread Class 2A	J Coupling Thread Class 2A
8	.593	.980	.828	.6250-20 UN	.305	.137/.097	.5000-20 UNEF	.5625-24 UNEF
10	.718	1.104	.953	.7500-20 UNEF	.405	.137/.097	.6250-24 UNEF	.6875-24 UNEF
12	.905	1.291	1.140	.9375-20 UNEF	.531	.137/.097	.7500-20 UNEF	.8750-20 UNEF
14	.968	1.391	1.250	1.0000-20 UNEF	.665	.137/.097	.8750-20 UNEF	.9375-20 UNEF
16	1.093	1.516	1.329	1.1250-18 UNEF	.790	.137/.097	1.0000-20 UNEF	1.0625-18 UNEF
18	1.217	1.641	1.455	1.2500-18 UNEF	.869	.137/.097	1.0625-18 UNEF	1.1875-18 UNEF
20	1.342	1.766	1.642	1.3750-18 UNEF	.994	.137/.097	1.1875-18 UNEF	1.3125-18 UNEF
22	1.467	1.954	1.705	1.5000-18 UNEF	1.119	.148/.128	1.3125-18 UNEF	1.4375-18 UNEF
24	1.592	2.079	1.892	1.6250-18 UNEF	1.244	.148/.128	1.4375-18 UNEF	1.5625-18 UNEF
28*	1.840	2.330	2.145	1.8750-20 UN	1.465	.148/.128	1.7500-18 UNS	1.8125-16 UN

* Shell size 28 is not a MS connector; order by commercial part number.

All dimensions for reference only.

- III 38999
- II 1
- I SJT
- Matrix 2 26482
- Matrix Pyle 83723 III
- 5015 Crimp Rear Release Matrix
- 26500 Pyle
- Printed Circuit Board
- EMI Filter Transient
- Fiber Optics
- High Speed Contacts
- Options Others

38999
SJT I II III

26482
Matrix 2

83723 III
Matrix Pyle

5015
Crimp Rear
Release Matrix

26500 Pyle

Printed
Circuit Board

EMI Filter
Transient

Fiber Optics

High Speed
Contacts

Options
Others

PART #

To complete, see how to order page 130.

Connector Type	Connector Style (Threaded) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /86 (with socket contacts)	X	X-X	X
Military	M83723 /87 (with pin contacts)	X	X-X	X

Connector Type (Threaded)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MT	36	X	X-X	X	XXX



Shell Size	A Dia. Max.	E Dia. Max.	H Accessory Thread Class 2A	J Coupling Thread Class 2B
8	.756	.305	.5000-20 UNF	.5625-24 UNEF
10	.906	.405	.6250-24 UNEF	.6875-24 UNEF
12	1.078	.531	.7500-20 UNEF	.8750-20 UNEF
14	1.141	.665	.8750-20 UNEF	.9375-20 UNEF
16	1.266	.790	1.0000-20 UNEF	1.0625-18 UNEF
18	1.375	.869	1.0625-18 UNEF	1.1875-18 UNEF
20	1.510	.994	1.1875-18 UNEF	1.3125-18 UNEF
22	1.625	1.119	1.3125-18 UNEF	1.4375-18 UNEF
24	1.760	1.244	1.4375-18 UNEF	1.5625-18 UNEF
28*	2.050	1.465	1.7500-18 UNS	1.8125-18 UN

* Shell size 28 is not a MS connector; order by commercial part number. All dimensions for reference only.

M83723/91 & /92 – MIL-DTL-83723, Series III
 Straight Plug, Threaded Coupling (With RFI Grounding Fingers)

PART #

To complete, see how to order page 130.

Connector Type	Connector Style (Threaded) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /91 (with socket contacts)	X	X-X	X
Military	M83723 /92 (with pin contacts)	X	X-X	X

Connector Type (Threaded)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MT	38	X	X-X	X	XXX

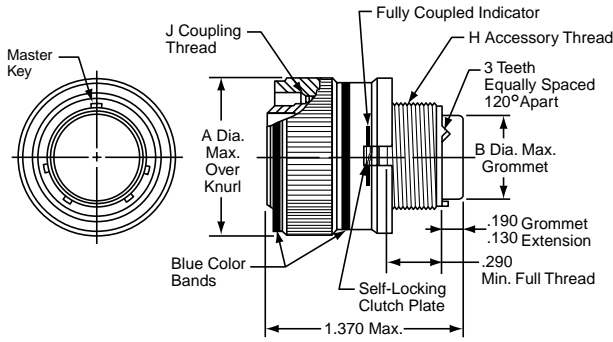


Shell Size	A Dia. Max.	E Dia. Max.	H Accessory Thread Class 2A	J Coupling Thread Class 2B
8	.756	.305	.5000-20 UNF	.5625-24 UNEF
10	.906	.405	.6250-24 UNEF	.6875-24 UNEF
12	1.078	.531	.7500-20 UNEF	.8750-20 UNEF
14	1.141	.665	.8750-20 UNEF	.9375-20 UNEF
16	1.266	.790	1.0000-20 UNEF	1.0625-18 UNEF
18	1.375	.869	1.0625-18 UNEF	1.1875-18 UNEF
20	1.510	.994	1.1875-18 UNEF	1.3125-18 UNEF
22	1.625	1.119	1.3125-18 UNEF	1.4375-18 UNEF
24	1.760	1.244	1.4375-18 UNEF	1.5625-18 UNEF
28*	2.050	1.465	1.7500-18 UNS	1.8125-18 UN

* Shell size 28 is not a MS connector; order by commercial part number. All dimensions for reference only.

M83723/95 & /96 – MIL-DTL-83723, Series III

Straight Plug with Threaded Coupling (Self-Locking)



PART #

To complete, see how to order page 130.

Connector Type	Connector Style (Threaded) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation	
Military	M83723	/95 (with socket contacts)	X	X-X	X
Military	M83723	/96 (with pin contacts)	X	X-X	X

Connector Type (Threaded)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MT	37	X	X-X	X	XXX

Shell Size	A Dia. Max.	B Dia. Max.	H Accessory Thread Class 2A	J Coupling Thread Class 2B
8	.832	.305	.5000-20 UNEF	.5625-24 UNEF
10	.959	.405	.6250-24 UNEF	.6875-24 UNEF
12	1.097	.531	.7500-20 UNEF	.8750-20 UNEF
14	1.236	.665	.8750-20 UNEF	.9375-20 UNEF
16	1.360	.790	1.0000-20 UNEF	1.0625-18 UNEF
18	1.428	.869	1.0625-18 UNEF	1.1875-18 UNEF
20	1.586	.994	1.1875-18 UNEF	1.3125-18 UNEF
22	1.703	1.119	1.3125-18 UNEF	1.4375-18 UNEF
24	1.846	1.244	1.4375-18 UNEF	1.5625-18 UNEF
28*	2.165	1.465	1.7500-18 UNS	1.8125-18 UN

* Shell size 28 is not a MS connector; order by commercial part number. All dimensions for reference only.

III 38999 II I SJT

Matrix 2 26482

Matrix Pyle 83723 III

Release Matrix 5015 Crimp Rear

Pyle 26500

Printed Circuit Board

EMI Filter Transient

Fiber Optics

High Speed Contacts

Options Others

38999
SJT I II III

26482
Matrix 2

83723 III
Matrix Pyle

5015
Crimp Rear Release Matrix

26500 Pyle

Printed
Circuit Board

EMI Filter
Transient

Fiber Optics

High Speed
Contacts

Options
Others

1.	2.	3.	4.	5.	
MIL-DTL-83723, Series III	Connector Type	Connector Style (Quick-Disconnect) and Contact Type	Service Class	Shell Size/ Insert Arrangement	Alternate Keying Position of Shell or Alternate Rotation of Insert
MILITARY	M83723	/66	R	0803	N

1.	2.	3.	4.	5.	6.	7.	
Amphenol®/Matrix® MIL-DTL-83723, Series III	Connector Type (Quick-Disconnect)	Connector Style	Service Class	Shell Size/ Insert Arrangement	Contact Type	Alternate Keying Position of Shell or Alternate Rotation of Insert	Modification Number
COMMERCIAL	MQ	35	R	0803	P	7	XXX

Step 1. Military Connector Type

M83723	Designates MIL-DTL-83723 Series III Connectors
---------------	---

Step 2. Select a Connector Style

(Refer to military specification slash sheet number).

	Designates
/66	Straight Plug without Lanyard, Pin Contacts
/67	Straight Plug without Lanyard, Socket Contacts
/68	Straight Plug with Lanyard, Pin Contacts
/69	Straight Plug with Lanyard, Socket Contacts

Step 3. Select a Service Class

	Designates
A	Aluminum shell, black non-conductive anodize finish, fluid resistant insert
R	Aluminum shell, electroless nickel finish, fluid resistant insert
G	Stainless steel shell, passivated, fluid resistant insert
W	Aluminum shell, olive drab cadmium plated, fluid resistant insert

See additional classes of MIL-DTL-83723, Series III which are available in the Amphenol/Pyle versions: Classes K, S, N - firewall, high temperature (200°C – 260°C) and Classes H and Y - hermetics. These are covered in the 83723 Pyle section of this catalog.

Step 4. Select a Shell Size & Insert

Arrangement from chart on page 124.

Shell Size & Insert Arrangements are together in one chart. First number represents Shell Size, second number is the Insert Arrangement. (Note that shell size 28 is not an MS connector, and should be ordered by commercial number.)

Step 5. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 124 for descriptions.

or Step 5. Select an Alternate Rotation of Insert.

Use N for Normal. Use 1, 2, 3, 4, or 5 for alternate rotation of insert. See page 124 for descriptions.

For ordering information on accessories, such as protection caps and backshell hardware, contact Amphenol Aerospace, Sidney, NY.

Step 1. Commercial Connector Type

MQ	Designates Amphenol®/Matrix® Quick-Disconnect Coupling Connector
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Step 2. Select a Connector Style

	Designates
35	Straight Plug with Lanyard
36	Straight Plug without Lanyard
38	Straight Plug with Lanyard, RFI grounding fingers (No Mil-Spec equivalent)

Step 3. Select a Service Class

	Designates
A	Aluminum shell, black non-conductive anodize finish, fluid resistant insert
R	Aluminum shell, electroless nickel finish, fluid resistant insert
G	Stainless steel shell, passivated, fluid resistant insert
W	Aluminum shell, cadmium olive drab finish, corrosion resistant, fluid resistant insert

See additional classes of MIL-DTL-83723, Series III which are available in the Amphenol/Pyle versions: Classes K, S, N - firewall, high temperature (200°C – 260°C) and Classes H and Y - hermetics. These are covered in the 83723 Pyle section of this catalog.

Step 4. Select a Shell Size & Insert

Arrangement from chart on page 124.

Shell Size & Insert Arrangements are together in one chart. First number represents Shell Size, second number is the Insert Arrangement.

Step 5. Select a Contact Type

	Designates
P	Pin Contacts
S	Socket Contacts

Step 6. Select an Alternate Keying Position - Rotation of master key/keyway of shell.

Use N for normal. Use 6, 7, 8, 9 or Y for alternate keying positions. See page 124 for descriptions.

or Step 6. Select an Alternate Rotation of Insert.

Use N for Normal. Use 1, 2, 3, 4, or 5 for alternate rotation of insert. See page 124 for descriptions.

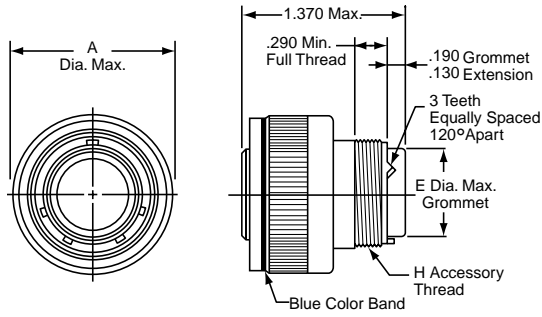
Step 7. Modification Number

Consult Amphenol Aerospace for information.

M83723/66 & /67 – MIL-DTL-83723, Series III



Quick-Disconnect Plug



PART

To complete, see how to order page X.

Connector Type	Connector Style (Quick-Disconnect) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /67 (with socket contacts)	X	X-X	X
Military	M83723 /66 (with pin contacts)	X	X-X	X

Connector Type (Quick-Disconnect)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MQ	36	X	X-X	X	XXX

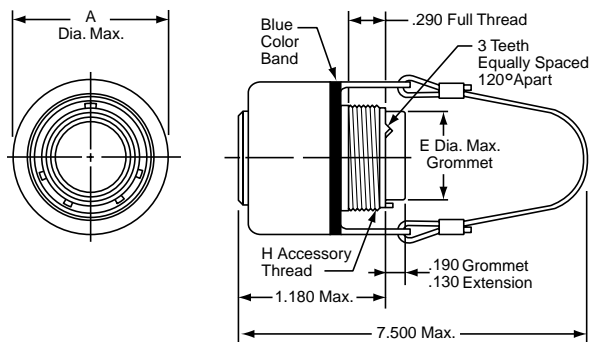
III
II
I
SJT
38999

Matrix 2
26482

Matrix Pyle
83723 III

M83723/68 & /69 – MIL-DTL-83723, Series III

Quick-Disconnect Plug with Lanyard



PART

To complete, see how to order page X.

Connector Type	Connector Style (Quick-Disconnect) and Contact Type	Service Class	Shell Size & Insert Arrg	Alt. Keying Position or Alt. Rotation
Military	M83723 /69 (with socket contacts)	X	X-X	X
Military	M83723 /68 (with pin contacts)	X	X-X	X

Connector Type (Quick-Disconnect)	Connector Style	Service Class	Shell Size & Insert Arrg	Contact Type	Alt. Keying Position or Alt. Rotation	Modification Number
Commercial	MQ	35	X	X-X	X	XXX
Commercial (No Mil-spec Equivalent)	MQ	38	X	X-X	X	XXX

Release Matrix
5015
Crimp Rear

26500 Pyle

Printed Circuit Board

Adapter for Mating Quick-Disconnect Plugs with Receptacles

Shell Size	A Dia. Max.	E Dia. Max.	H Accessory Thread Class 2A
8	1.095	.305	.5000-20 UNF
10	1.240	.405	.6250-24 UNEF
12	1.432	.531	.7500-20 UNEF
14	1.490	.665	.8750-20 UNEF
16	1.711	.790	1.0000-20 UNEF
18	1.815	.869	1.0625-18 UNEF
20	1.962	.994	1.1875-18 UNEF
22	2.070	1.119	1.3125-18 UNEF
24	2.195	1.244	1.4375-18 UNEF

Receptacle Adapter

Required to mate the quick-disconnect plug with receptacle. Not furnished with the quick-disconnect plug; must be ordered separately.

Note: Use Locktite Material on the threads for a permanent installation to the shell.

How to Order Adapter by Commercial Part Number
2500-007-0X XX

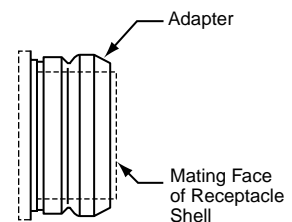
Finish | Shell Size

00 designates aluminum, electroless nickel, Class R
01 designates aluminum, hard anodize, Class A
03 designates aluminum, cadmium plate, Class W
02 designates stainless steel, Class G

How to Order Adapter by Military Part Number
M83723/70 X XX

Finish | Shell Size

R designates aluminum, electroless nickel, Class R
A designates aluminum, hard anodize, Class A
W designates aluminum, cadmium plate, Class W
G designates stainless steel, Class G



EM1 Filter Transient

Fiber Optics

High Speed Contacts

Options Others