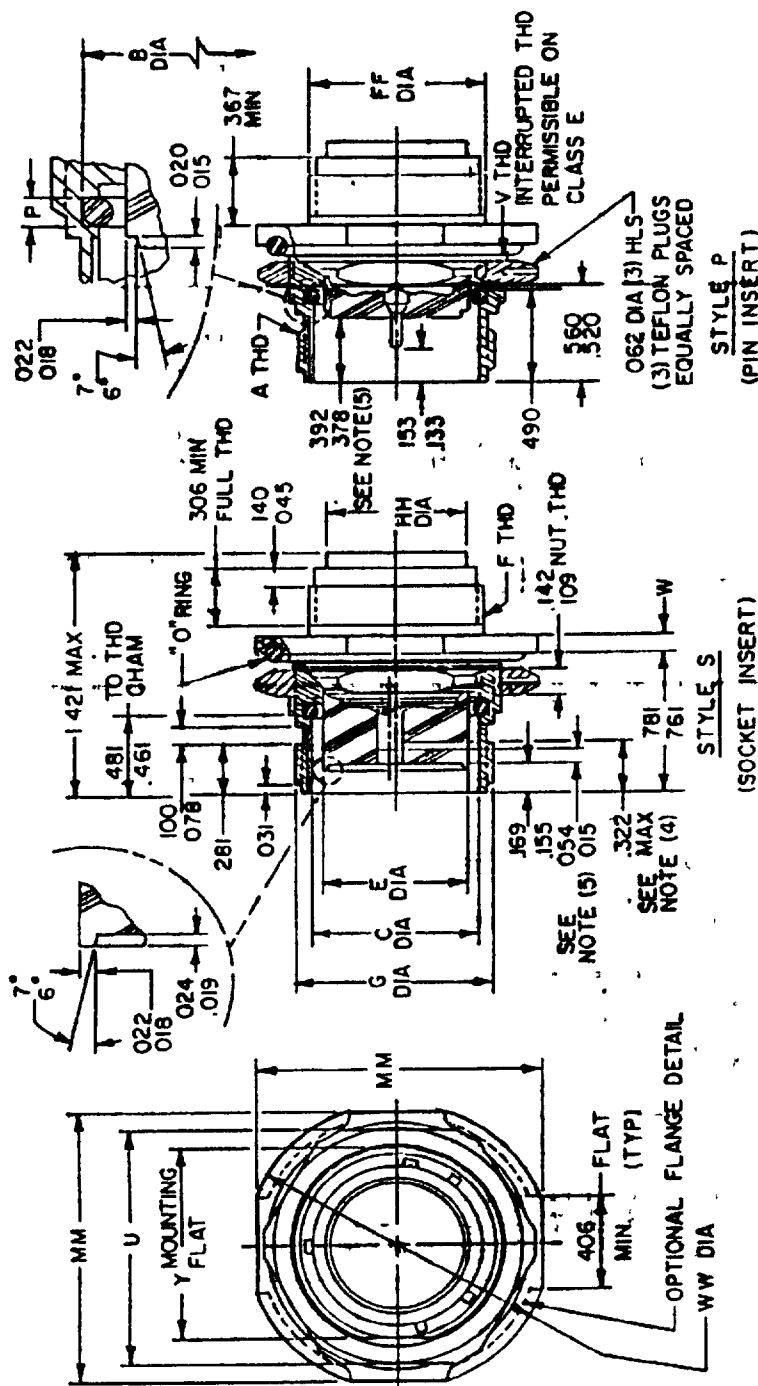


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Inches	mm
.015	0.38
.018	0.46
.019	0.48
.020	0.51
.022	0.56
.024	0.61
.031	0.79
.045	1.14
.054	1.37
.062	1.57
.078	1.98
.100	2.54
.109	2.77
.133	3.38
.140	3.56
.142	3.60
.153	3.89
.155	3.94

INACTIVE FOR AIR FORCE NEW DESIGN EQUIPMENT OR MODIFICATION
OF EXISTING EQUIPMENT AFTER 14 NOV 1977

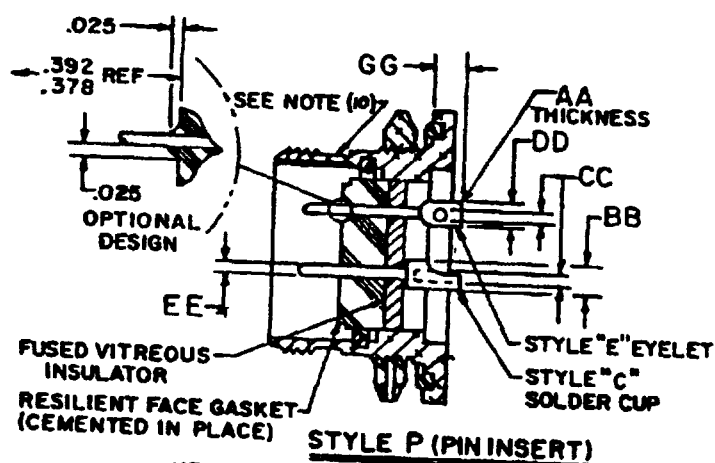
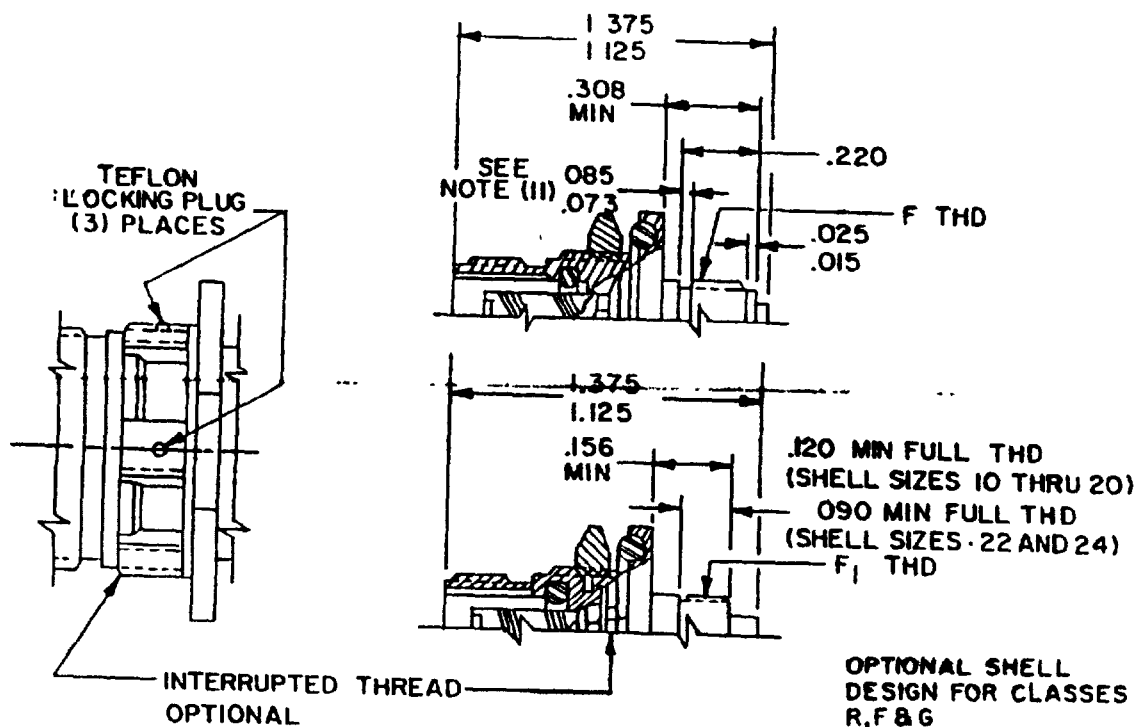
Use MIL-C-83723, Series III, connector which is interchangeable.

SHELL DESIGN
FOR CLASSES
R, F & G
(SEE NOTE 12)

Ⓝ denotes change

PREPARING ACTIVITY Air Force - 85 CUSTODIANS ARMY - NAVY - AIR FORCE - 85 DLA ES	<u>MILITARY SPECIFICATION SHEET</u> TITLE CONNECTORS, RECEPTACLE, ELECTRICAL, SINGLE HOLE MOUNT MINIATURE	SPECIFICATION SHEET NUMBER MS24265N(USAF) 7 Sept 90 SUPERSEDING MS24265M 14 Nov 77 AMTC N/A PSC 5935
REVIEW Air Force 11, 17, 99 USER PROJECT NUMBER 5935-F361-02	DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.	
		Page 1 of 8

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STAINLESS STEEL
SHELL DESIGN
FOR CLASS E

(SEE NOTE 12)

Inches	mm
.015	0.38
.025	0.64
.073	1.85
.085	2.16
.090	2.29
.120	3.05
.156	3.96
.220	5.59
.308	7.82
.378	9.60
.392	9.96
1.125	28.58
1.375	34.92

Ⓝ denotes change

PREPARING ACTIVITY Air Force - 85 CUSTODIANS ARMY. NAVY. AIR FORCE - 85 DLA. ES		TITLE MILITARY SPECIFICATION SHEET CONNECTORS, RECEPTACLE, ELECTRICAL, SINGLE HOLE MOUNT, MINIATURE	SPECIFICATION SHEET NUMBER MS24265N(USAF)
REVIEW Air Force 11, 17, 99 USER		SUPERSEDING MS24265M	14 Nov 77
PROJECT NUMBER 5935-F361-02 DISTRIBUTION STATEMENT		AMSC N/A	FSC 5935
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Form Approved
DASH No. 0704 0100

Shell size	A UNEF-2A CPLG.	B dia	C (N) dia +.005 (0.13) -.000 (0.00)	E max insert	F UNEF-2A access	FF max dia	F ₁ -36NS-2A	F ₁ pitch dia	G max dia
8	.562-24 (14.27)	.508 (12.90)	.428 (10.87)	.312 (7.92)	.437-28 (11.10)	.437 (11.10)	.4340 (11.024)	.4151/.4114 (10.544/10.450)	.561 (14.25)
10	.687-24 (17.45)	.636 (16.15)	.530 (13.46)	.388 (7.92)	.562-24 (14.27)	.562 (14.27)	.5634 (14.310)	.5454/.5415 (13.853/13.754)	.696 (17.68)
12	.875-20 (22.22)	.806 (20.47)	.700 (17.80)	.558 (7.92)	.750-20 (19.05)	.750 (19.05)	.7334 (18.628)	.7154/.7115 (18.171/18.072)	.875 (22.22)
14	.973-20 (23.80)	.875 (22.22)	.769 (19.53)	.627 (7.92)	.812-20 (20.62)	.812 (20.62)	.8032 (20.401)	.7841/.7806 (19.916/19.827)	.935 (23.75)
16	1.062-18 (26.97)	1.002 (25.45)	.896 (22.76)	.754 (7.92)	.937-20 (23.80)	.938 (23.82)	.9302 (23.627)	.9110/.9074 (23.139/23.048)	1.062 (26.97)
18	1.187-18 (30.15)	1.108 (28.14)	1.002 (25.45)	.860 (7.92)	1.062-18 (26.97)	1.062 (26.97)	1.0362 (26.319)	1.0171/1.0134 (25.834/25.740)	1.187 (30.15)
20	1.312-18 (33.32)	1.233 (31.32)	1.127 (28.62)	.985 (7.92)	1.187-18 (30.15)	1.182 (30.15)	1.1611 (29.492)	1.1431/1.1385 (29.035/28.918)	1.312 (33.32)
22	1.437-18 (36.50)	1.358 (34.49)	1.252 (31.80)	1.110 (7.92)	1.312-18 (33.32)	1.312 (33.32)	1.2862 (32.669)	1.2670/1.2633 (32.182/32.000)	1.437 (36.50)
24	1.562-18 (39.67)	1.483 (37.67)	1.377 (34.98)	1.235 (7.92)	1.437-18 (36.50)	1.432 (36.50)	1.4111 (35.842)	1.3931/1.3885 (35.385/35.268)	1.562 (39.67)

(N) denotes change

PREPARING ACTIVITY Air Force - 85 CUSTODIANS ARMY NAVY AIR FORCE - 85 DA - ES	MILITARY SPECIFICATION SHEET TITLE CONNECTORS, RECEPTACLE, ELECTRICAL, SINGLE HOLE MOUNT, MINIATURE	SPECIFICATION SHEET NUMBER MS24265N(USAF)
REVIEW Air Force 11, 17, 99 USER PROJECT NUMBER 5935-F361-02 -		SUPERSEDING MS24265M 14 Nov 77
DISTRIBUTION STATEMENT		AMSC N/A PSC 5935
DD Form 672, MAY 88		Page 4 of 8

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Shell size	HH max GROM dia	KK +.000 (0.00) -.005 (0.13)	MM	N dia +.000 (0.00) -.004 (0.10)	NW dia +.000 (0.00) -.003 (0.07)	P dia +.000 (0.00) -.005 (0.13)	S	U max hex	UU +.000 (0.00) -.009 (0.22)	V UNEF-2A	W max dia	Y max dia	Z dia	
8	.328 (8.33)	.563 (14.30)	.979 (24.97)	.101 (2.56)	.078 (1.98)	.076 (1.93)	.605 (15.37)	.828 (21.03)	.310 (7.87)	.625-20-UN-2A (15.88)	.117 (2.97)	1.068 (27.13)	.593 (15.06)	.635 (16.13)
10	.420 (10.67)	.659 (16.74)	1.104 (28.04)	.094 (2.39)	.093 (2.36)	.089 (2.26)	.730 (18.64)	.953 (24.21)	.374 (9.50)	.750-20 (19.05)	.117 (2.97)	1.192 (30.28)	.718 (18.24)	.760 (19.30)
12	.580 (14.73)	.829 (21.06)	1.291 (32.79)	.094 (2.39)	.093 (2.36)	.089 (2.26)	.917 (23.29)	1.140 (28.46)	.459 (11.66)	.937-20 (23.80)	.117 (2.97)	1.380 (35.05)	.905 (22.99)	.947 (24.05)
14	.664 (16.86)	.898 (22.81)	1.391 (35.33)	.094 (2.39)	.093 (2.36)	.089 (2.26)	.980 (24.89)	1.250 (31.75)	.494 (12.55)	1.000-20 (25.40)	.117 (2.97)	1.505 (38.23)	.968 (24.59)	1.010 (25.65)
16	.769 (19.53)	1.025 (26.34)	1.516 (38.51)	.094 (2.39)	.093 (2.36)	.089 (2.26)	1.105 (28.07)	1.329 (33.76)	.557 (14.15)	1.125-20-UN-2A (28.58)	.117 (2.97)	1.630 (41.40)	1.093 (27.76)	1.135 (28.83)
18	.902 (22.91)	1.131 (28.73)	1.641 (41.68)	.094 (2.39)	.093 (2.36)	.089 (2.26)	1.225 (31.12)	1.455 (36.96)	.610 (15.49)	1.250-20-UN-2A (31.75)	.117 (2.97)	1.740 (44.20)	1.217 (30.91)	1.260 (32.00)
20	1.033 (26.84)	1.256 (31.90)	1.766 (44.86)	.094 (2.39)	.093 (2.36)	.089 (2.26)	1.350 (34.29)	1.642 (41.71)	.673 (17.09)	1.375-18 (34.92)	.117 (2.97)	1.860 (47.24)	1.342 (34.09)	1.385 (35.18)
22	1.152 (29.26)	1.381 (35.08)	1.954 (49.63)	.094 (2.39)	.093 (2.36)	.089 (2.26)	1.475 (37.46)	1.705 (43.31)	.735 (18.67)	1.500-20-UN-2A (38.10)	.148 (3.76)	2.040 (51.82)	1.467 (37.26)	1.510 (38.35)
24	1.282 (32.56)	1.506 (38.25)	2.079 (52.81)	.094 (2.39)	.093 (2.36)	.089 (2.26)	1.600 (40.64)	1.892 (48.06)	.798 (20.27)	1.625-18 (41.28)	.148 (3.76)	2.160 (54.86)	1.592 (40.44)	1.635 (41.53)

(N) denotes change

PREPARING ACTIVITY Air Force - R5 CUSTODIANS ARMY NAVY AIR FORCE - R5 DIA ES		MILITARY SPECIFICATION SHEET TITLE CONNECTORS, RECEPTACLE, ELECTRICAL, SINGLE HOLE MOUNT, MINIATURE		SPECIFICATION SHEET NUMBER MS24265N(USAF)	
REVIEW, Air Force 11, 17, 99 USER		SUPERSEDING MS24265M		14 Nov 77	
PROJECT NUMBER 5935-F361-02		AMSC N/A		PSC 5935	
DISTRIBUTION STATEMENT					
DD Form 672, MAY 68					

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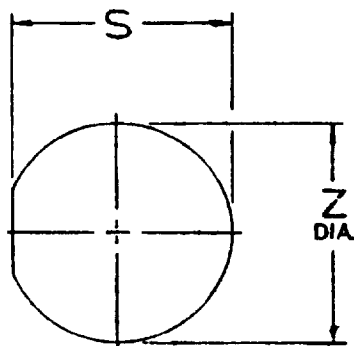
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Form Approved
OMB No. 0704-0188

(N)

Position	Shell size 8			Shell size 10			Shell size 12 thru 24		
	E°	F°	G°	E°	F°	G°	E°	F°	G°
Normal	60	180	300	60	180	300	50	170	290
6	46	166	286	46	166	286	50	170	290
7	46	166	286	46	166	286	50	170	290
8	60	180	300	60	180	300	50	170	290
9	89	209	329	89	209	329	50	170	290
Y	60	180	300	50	170	290			

Size of contact	Type of contact	AA	BB dia	CC dia min	DD	EE dia	GG max
12	Solder cup		.150 (3.81)	.112 (2.84)		.095/.093 (2.41)(2.36)	.235 (5.97)
12	Eyelet	.035 (0.89)			.200 (5.08)	.095/.093 (2.41)(2.36)	.235 (5.97)
16	Solder cup		.103 (2.61)	.069 (1.75)		.063/.061 (1.60)(1.55)	.235 (5.97)
16	Eyelet	.025 (0.64)			.125 (3.18)	.063/.061 (1.60)(1.55)	.235 (5.97)
20	Solder cup		.077 (1.96)	.042 (1.07)		.041/.039 (1.04)(0.99)	.165 (4.19)
20	Eyelet	.015 (0.38)			.080 (2.03)	.041/.039 (1.04)(0.99)	.165 (4.19)



PANEL CUT-OUT

Shell size	F ₁ -36MS-2A	F ₁ PITCH DIAMETER
8	.4340	.4151/.4114
10	.5634	.5454/.5415
12	.7334	.7154/.7115
14	.8032	.7841/.7806
16	.9302	.9110/.9074
18	1.0362	1.0171/1.0134
20	1.1611	1.1431/1.1385
22	1.2862	1.2670/1.2633
24	1.4111	1.3931/1.3885

(N) denotes change

PREPARING ACTIVITY Air Force - 85
CUSTODIANS ARMY NAVY
AIR FORCE - 85 DIA - ES

REVIEW Air Force 11, 17, 99
USER

PROJECT NUMBER 5935-F361-02

DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET

TITLE
CONNECTORS, RECEPTACLE,
ELECTRICAL, SINGLE HOLE MOUNT,
MINIATURE

SPECIFICATION SHEET NUMBER

MS24265N(USAF)

SUPERSEDING

MS24265M

14 Nov 77

AMBC N/A

FSC 5935

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Weight chart					
Maximum connector weight in pounds					
Pin insert			Socket insert		
MS part no.	Less contacts	With contacts	MS part no.	Less contacts	With contacts
MS24265R8T2PN	.027 (0.68)	.029 (0.74)	MS24265R8T2SN	.028 (0.71)	.030 (0.76)
MS24265R10T2PN	.045 (1.14)	.047 (1.19)	MS24265R10T2SN	.046 (1.17)	.048 (1.22)
MS24265R10T5PN	.044 (1.12)	.048 (1.22)	MS24265R10T5SN	.046 (1.14)	.049 (1.24)
MS24265R10T20PN	.045 (1.14)	.049 (1.24)	MS24265R10T20SN	.046 (1.17)	.050 (1.27)
MS24265R12T3PN	.061 (1.55)	.066 (1.68)	MS24265R12T3SN	.063 (1.60)	.068 (1.73)
MS24265R12T12PN	.059 (1.50)	.069 (1.75)	MS24265R12T12SN	.060 (1.52)	.070 (1.78)
MS24265R14T3PN	.073 (1.85)	.083 (2.11)	MS24265R14T3SN	.079 (2.01)	.088 (2.24)
MS24265R14T4PN	.073 (1.85)	.087 (2.21)	MS24265R14T4SN	.075 (1.90)	.089 (2.26)
MS24265R14T7PN	.073 (1.85)	.086 (2.16)	MS24265R14T7SN	.075 (1.90)	.087 (2.21)
MS24265R14T12PN	.073 (1.85)	.086 (2.18)	MS24265R14T12SN	.075 (1.90)	.088 (2.24)
MS24265R14T15PN	.073 (1.85)	.086 (2.18)	MS24265R14T15SN	.075 (1.90)	.087 (2.21)
MS24265R16T10PN	.084 (2.19)	.102 (2.59)	MS24265R16T10SN	.086 (2.18)	.104 (2.64)
MS24265R16T24PN	.084 (2.13)	.104 (2.64)	MS24265R16T24SN	.086 (2.18)	.106 (2.69)
MS24265R18T8PN	.102 (2.59)	.131 (3.33)	MS24265R18T8SN	.105 (2.67)	.133 (3.38)
MS24265R18T11PN	.101 (2.56)	.125 (3.18)	MS24265R18T11SN	.104 (2.64)	.127 (3.22)
MS24265R18T14PN	.101 (2.56)	.127 (3.22)	MS24265R18T14SN	.105 (2.67)	.131 (3.33)
MS24265R18T31PN	.100 (2.54)	.127 (3.22)	MS24265R18T31SN	.104 (2.64)	.130 (3.30)
MS24265R20T16PN	.116 (2.95)	.144 (3.66)	MS24265R20T16SN	.122 (3.10)	.150 (3.81)
MS24265R20T25PN	.114 (2.90)	.152 (3.86)	MS24265R20T25SN	.120 (3.05)	.157 (3.99)
MS24265R20T28PN	.115 (2.92)	.150 (3.81)	MS24265R20T28SN	.120 (3.05)	.154 (3.91)
MS24265R20T39PN	.115 (2.92)	.150 (3.81)	MS24265R20T39SN	.120 (3.05)	.154 (3.91)
MS24265R20T41PN	.115 (2.92)	.149 (3.78)	MS24265R20T41SN	.120 (3.05)	.154 (3.91)
MS24265R22T12PN	.134 (3.40)	.177 (4.50)	MS24265R22T12SN	.141 (3.68)	.183 (4.65)
MS24265R22T19PN	.137 (3.50)	.172 (4.37)	MS24265R22T19SN	.144 (3.66)	.178 (4.52)
MS24265R22T32PN	.138 (3.50)	.181 (4.60)	MS24265R22T32SN	.144 (3.66)	.187 (4.75)
MS24265R22T55PN	.133 (3.38)	.180 (4.57)	MS24265R22T55SN	.139 (3.53)	.185 (4.70)
MS24265R24T43PN	.153 (3.89)	.208 (5.28)	MS24265R24T43SN	.158 (4.01)	.212 (5.38)
MS24265R24T57PN	.152 (3.86)	.205 (5.21)	MS24265R24T57SN	.157 (3.99)	.209 (5.31)
MS24265R24T61PN	.150 (3.81)	.201 (5.10)	MS24265R24T61SN	.155 (3.94)	.205 (5.21)

NOTE: Threaded connectors, classes F, G, and R.

(N) denotes change

PREPARING ACTIVITY Air Force - 85 CUSTODIAN ARMY NAVY AIR FORCE - 85 MILA - ES REVIEWED Air Force 11. 17. 99 USER PROJECT NUMBER 5935-F961-02 DISTRIBUTION STATEMENT	MILITARY SPECIFICATION SHEET TITLE CONNECTORS, RECEPTACLE, ELECTRICAL, SINGLE HOLE MOUNT, MINIATURE	SPECIFICATION SHEET NUMBER MS24265N(USAF) SUPERSEDING MS24265M 14 Nov 77 AMSC N/A RSC 5935
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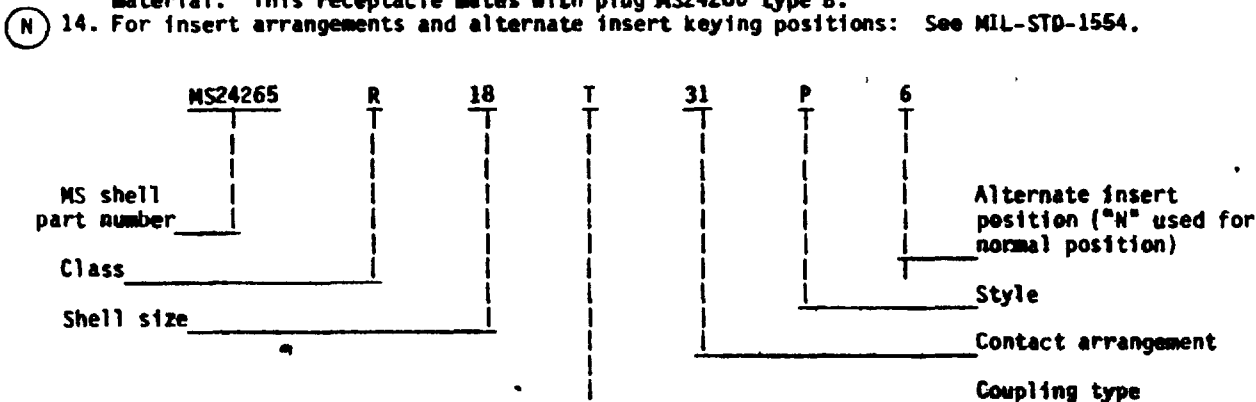
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NOTES:

1. Dimensions are in inches.
2. Millimeters are in parentheses.
3. Metric equivalents are given for general information only.
4. All diameters to be concentric with each other within .015 T.I.R.
5. All diameters in the same plane to be concentric with each other with each other within .004 T.I.R.
6. Contacts to be in accordance with MIL-C-39029 true position (T.P.) tolerances specified are for maximum material conditions (M.M.C.)
7. Distance between end of shell and the point at which a gauge pin having the same basic diameter as the mating contact and a square face, engages socket contact spring.
8. Dimensions on pin and socket contact locations and end of shells to insert faces apply when contacts are placed in inserts for inspection or application.
9. ~~.133 dimension may reduce to .118 minimum under pressures caused by welded cable assemblies or sharp cable bends.~~ For accessories used with this connector see 3.4.7 of procurement specification. Dimensions in inches unless otherwise specified, tolerances-decimals-.005. Referenced documents shall be the issue in effect on date of invitations for bid. This standard takes precedence over documents referenced herein. Use tool MS24256A to assemble contacts into this connector, use tool MS24256R to remove contacts from this connector.
10. Thread relief groove is optional on shell. When groove is omitted, the length of full thread from front of shell will be .310 minimum and thread runout .385 maximum.
11. Thread relief groove is optional on shell. When groove is omitted, the length of full thread from rear of shell will be .221 minimum.
12. Environment resistant (Class F and R) receptacles, type T aluminum shell material. Grounding environment resistant (Class G) receptacles, type T aluminum shell material. Grounding environment resistant (Class G and E) receptacles, type T stainless steel shell material. These receptacles mate with plug MS24266 type T.
13. Environment resistant (Class F and R) receptacles, type B-aluminum shell material. Grounding environment resistant (Class G) receptacles, types B-aluminum shell material. Grounding environment resistant (Class G and E) receptacles, type B-stainless steel shell material. This receptacle mates with plug MS24266 type B.
14. For insert arrangements and alternate insert keying positions: See MIL-STD-1554.



Part number example.

(N) denotes change

PREPARING ACTIVITY Air Force - 85 CUSTODIANS ARMY. NAVY. AIR FORCE - 85 DLA - ES REVIEW Air Force 11, 17, 99 USER PROJECT NUMBER 5935-F361-02 DISTRIBUTION STATEMENT	MILITARY SPECIFICATION SHEET TITLE CONNECTORS, RECEPTACLE, ELECTRICAL, SINGLE HOLE MOUNT, MINIATURE	SPECIFICATION SHEET NUMBER MS24265N(USAF) SUPERSEDING MS24265M 14 Nov 77 AIRSC N/A FSC 6935 Page 8 of 8
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