

MIL-DTL-83527/3C
w/AMENDMENT 1
15 April 2014
SUPERSEDING
MIL-DTL-83527/3C
13 January 2004

CONNECTOR, PLUG, ELECTRICAL, RECTANGULAR, MULTIPLE INSERT TYPE,
RACK TO PANEL, ENVIRONMENT RESISTING, 150°C CONTINUOUS
OPERATING TEMPERATURE, SHELL SIZE 3

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-83527.



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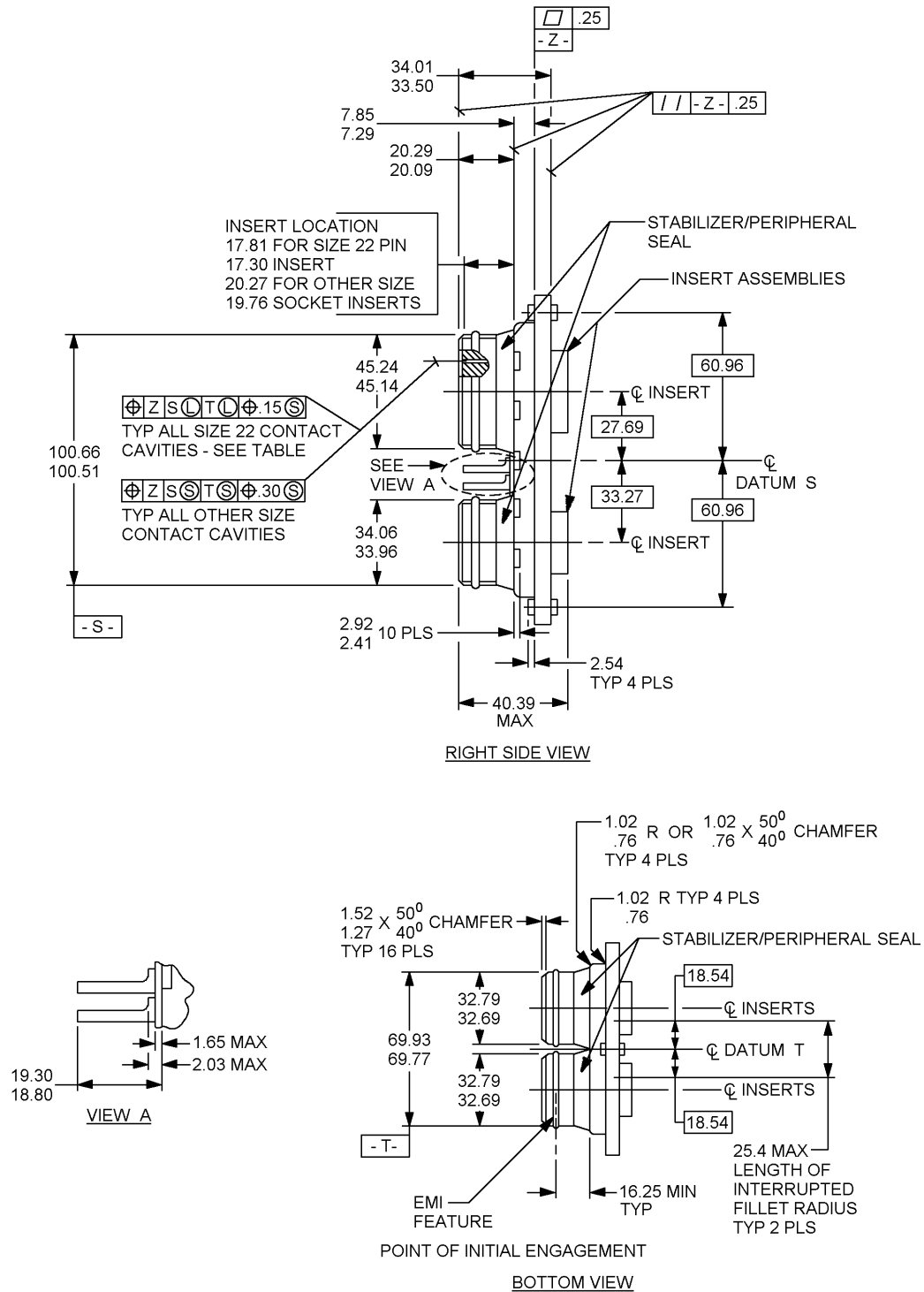


FIGURE 1. Connector, plug – Continued.

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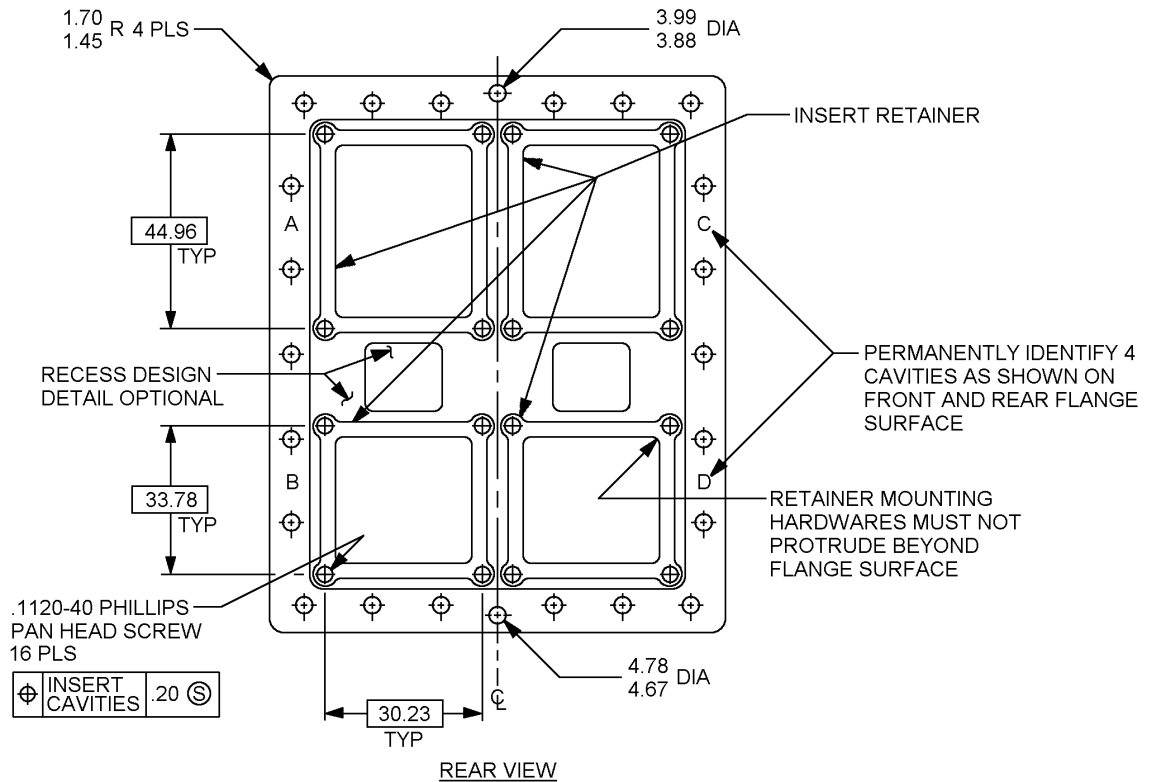


FIGURE 1. Connector plug – Continued.

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Datum T	Datum S		
	100.66 (3.963)	100.64 (3.962)	100.61 (3.961)
69.93 (2.753)	0.30 (.012)	0.30 (.012)	0.30 (.012)
69.90 (2.752)	0.30 (.012)	0.30 (.012)	0.30 (.012)
69.88 (2.751)	0.30 (.012)	0.30 (.012)	0.30 (.012)
69.85 (2.750)	0.28 (.011)	0.28 (.011)	0.28 (.011)
69.82 (2.749)	0.25 (.010)	0.25 (.010)	0.25 (.010)
69.80 (2.748)	0.23 (.009)	0.23 (.009)	0.23 (.009)
69.77 (2.747)	0.20 (.008)	0.20 (.008)	0.20 (.008)
100.58 (3.960)	100.56 (3.959)	100.53 (3.958)	100.51 (3.957)
Datum S			
0.28 (.011)	0.25 (.010)	0.23 (.009)	0.20 (.008)
0.28 (.011)	0.25 (.010)	0.23 (.009)	0.20 (.008)
0.28 (.011)	0.25 (.010)	0.23 (.009)	0.20 (.008)
0.25 (.010)	0.23 (.009)	0.23 (.009)	0.20 (.008)
0.23 (.009)	0.23 (.009)	0.20 (.008)	0.18 (.007)
0.23 (.009)	0.20 (.008)	0.18 (.007)	0.18 (.007)
0.20 (.008)	0.18 (.007)	0.18 (.007)	0.15 (.006)

mm	Inches	mm	Inches	mm	Inches	mm	Inches
0.15	.006	3.07	.120	13.54	.533	40.39	1.590
0.18	.007	3.71	.146	14.05	.553	41.02	1.615
0.20	.008	3.88	.153	16.10	.634	41.88	1.649
0.25	.010	3.91	.154	17.91	.705	42.14	1.659
0.30	.012	3.96	.156	18.67	.735	45.14	1.777
0.38	.015	3.99	.157	19.18	.755	45.24	1.781
0.58	.023	4.67	.184	20.70	.815	54.79	2.157
0.76	.030	4.70	.185	21.08	.830	57.30	2.256
1.02	.040	4.78	.188	24.76	.975	60.96	2.400
1.45	.057	4.93	.194	27.69	1.090	80.90	3.185
1.70	.067	5.13	.202	27.74	1.092	100.51	3.957
1.78	.070	5.18	.204	28.24	1.112	100.61	3.961
1.80	.071	5.44	.214	32.64	1.285	100.66	3.963
1.83	.072	5.46	.215	32.79	1.291	100.71	3.965
2.03	.080	5.84	.230	33.27	1.310	100.84	3.970
2.16	.085	5.94	.234	33.76	1.329	109.88	4.326
2.54	.100	8.26	.325	33.96	1.337	110.13	4.336
2.62	.103	10.80	.425	34.06	1.341	120.09	4.728
2.67	.105	12.78	.503	34.46	1.357	120.19	4.732
		13.28	.523			130.81	5.150
						131.32	5.170

NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are in parentheses.
3. Inch equivalents are given for general information only.

FIGURE 1. Connector, plug – Continued.

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REQUIREMENTS

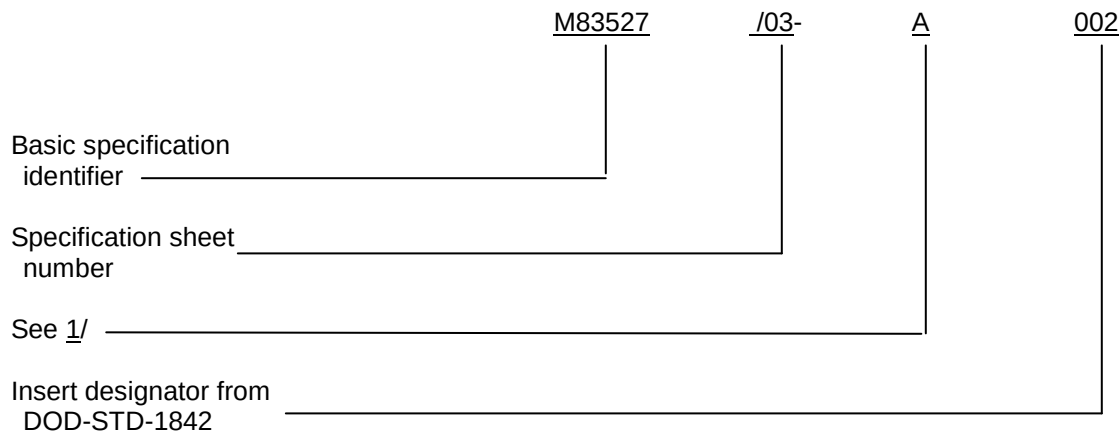
Dimensions and configuration: Shall be in accordance with figure 1.

Contacts: See SAE AS39029/93, /94, /98.

Inserts: See DOD-STD-1842 and MIL-C-83527/7.

Mating connector: See MIL-DTL-83527/4.

Part or Identifying Number (PIN) example:



1/ "A" designator for insert with contacts, "B" designator for insert without contacts.

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Reference documents. In addition to MIL-DTL-83527, this document references the following:

MIL-C-83527/7
MIL-DTL-83527/4
DOD-STD-1842
SAE AS39029/93
SAE AS39029/94
SAE AS39029/98

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CONCLUDING MATERIAL

Custodians:

Army – CR
Navy - AS
Air Force – 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2013-187)

Review activities:

Army - AR, MI
Navy - EC, MC, OS
Air Force - 19, 99

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