

MIL-DTL-83527/6C
w/AMENDMENT 1
15 April 2014
SUPERSEDING
MIL-DTL-83527/6C
13 January 2004

CONNECTOR, RECEPTACLE, ELECTRICAL, RECTANGULAR, MULTIPLE INSERT TYPE,
RACK TO PANEL, ENVIRONMENT RESISTING, 150°C CONTINUOUS
OPERATING TEMPERATURE, SHELL SIZE 4

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



MIL-DTL-83527/6C
w/AMENDMENT 1

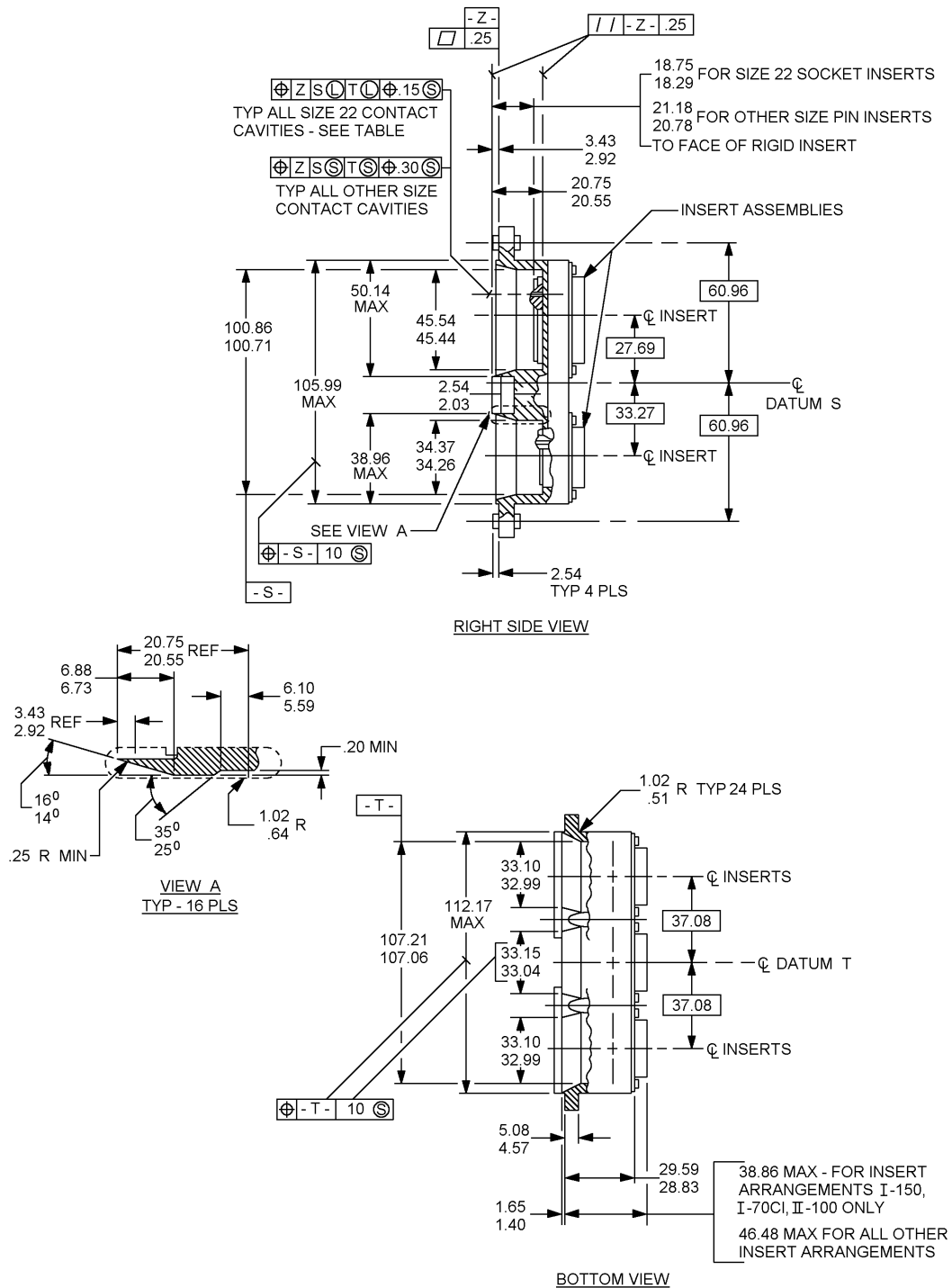


FIGURE 1. Connector, receptacle - Continued.

MIL-DTL-83527/6C
w/AMENDMENT 1

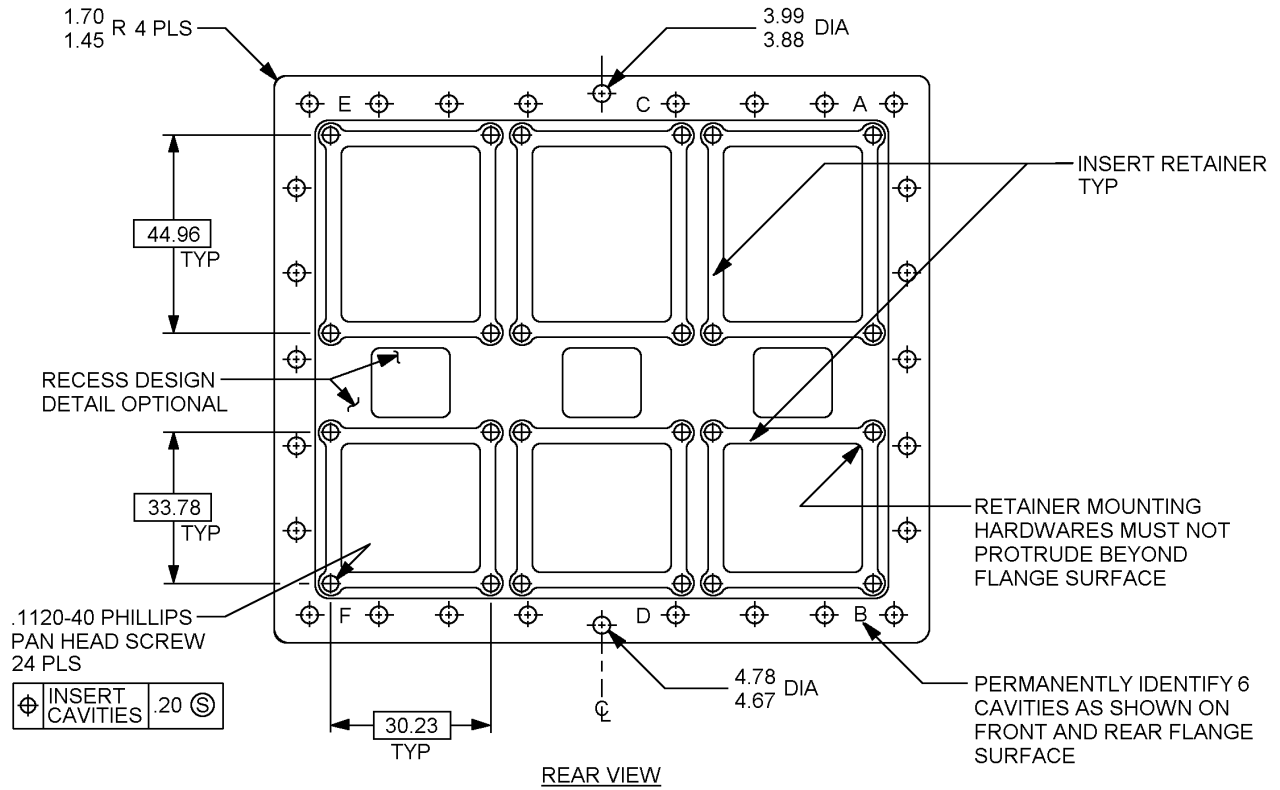


FIGURE 1. Connector, receptacle – Continued.

MIL-DTL-83527/6C
w/AMENDMENT 1

Datum T	Datum S		
	100.71 (3.965)	100.74 (3.966)	100.76 (3.967)
107.06 (4.215)	0.30 (.012)	0.30 (.012)	0.30 (.012)
107.09 (4.216)	0.30 (.012)	0.30 (.012)	0.30 (.012)
107.11 (4.217)	0.30 (.012)	0.30 (.012)	0.30 (.012)
107.14 (4.218)	0.28 (.011)	0.28 (.011)	0.28 (.010)
107.16 (4.219)	0.25 (.010)	0.25 (.010)	0.25 (.010)
107.19 (4.220)	0.23 (.009)	0.23 (.009)	0.23 (.009)
107.21 (4.221)	0.20 (.008)	0.20 (.008)	0.20 (.008)
Datum S			
100.79 (3.968)	100.81 (3.969)	100.84 (3.970)	100.86 (3.971)
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
0.10	.004	3.99	.157	20.75	.817	44.96	1.770
0.15	.006	4.57	.180	21.08	.830	45.14	1.777
0.20	.008	4.67	.184	22.53	.887	45.54	1.793
0.25	.010	4.70	.185	24.76	.975	46.48	1.830
0.30	.012	4.78	.188	27.69	1.090	50.14	1.974
0.38	.015	4.88	.192	28.83	1.135	52.58	2.070
0.79	.031	5.00	.2	29.59	1.165	53.09	2.090
1.40	.055	5.46	.215	30.23	1.190	57.78	2.275
1.45	.057	5.59	.220	32.94	1.297	59.61	2.347
1.65	.065	5.84	.230	32.99	1.299	61.00	2.4
1.70	.067	6.10	.240	33.04	1.301	80.90	3.185
1.83	.072	6.40	.252	33.10	1.303	100.71	3.965
2.03	.080	6.73	.265	33.15	1.305	100.84	3.970
2.11	.083	6.88	.271	33.27	1.310	100.86	3.971
2.54	.100	8.26	.325	33.78	1.330	105.99	4.173
2.67	.105	10.80	.425	34.26	1.349	107.06	4.215
2.92	.115	10.92	.430	34.37	1.353	107.21	4.221
3.43	.135	11.05	.435	37.08	1.460	120.09	4.728
3.71	.146	16.97	.668	38.00	1.496	126.75	4.990
3.88	.153	17.58	.692	38.96	1.534	127.25	5.010
3.91	.154	18.11	.713	41.02	1.615	130.8	5.15
3.96	.156	20.55	.809	41.28	1.625	131.31	5.170

NOTES:

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

FIGURE 1. Connector, receptacle - Continued.

MIL-DTL-83527/6C
w/AMENDMENT 1

REQUIREMENTS

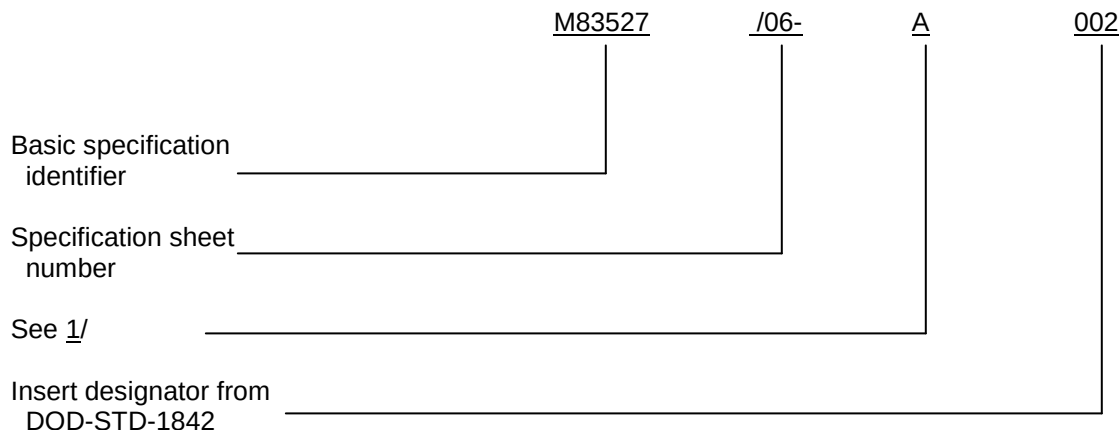
Dimensions and configuration: Shall be in accordance with figure 1.

Contacts: See SAE AS39029/93, /94, /97 and /99.

Inserts: See DOD-STD-1842 and MIL-C-83527/8.

Mating connector: See MIL-DTL-83527/5.

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-DTL-83527/5
MIL-C-83527/8
DOD-STD-1842
SAE AS39029/93
SAE AS39029/94
SAE AS39029/97
SAE AS39029/99

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2013-190)

Review activities:

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

NOTE: The activities listed above were interested in this document as of the date of this document. Since organization and responsibilities can change, you should verify the currency of the information above using the ASSIST Online data at <https://assist.dla.mil/>.