

METRIC

MIL-DTL-83527/4C
w/AMENDMENT 1
15 April 2014
SUPERSEDING
MIL-DTL-83527/4C
13 January 2004

DETAIL SPECIFICATION SHEET

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

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

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

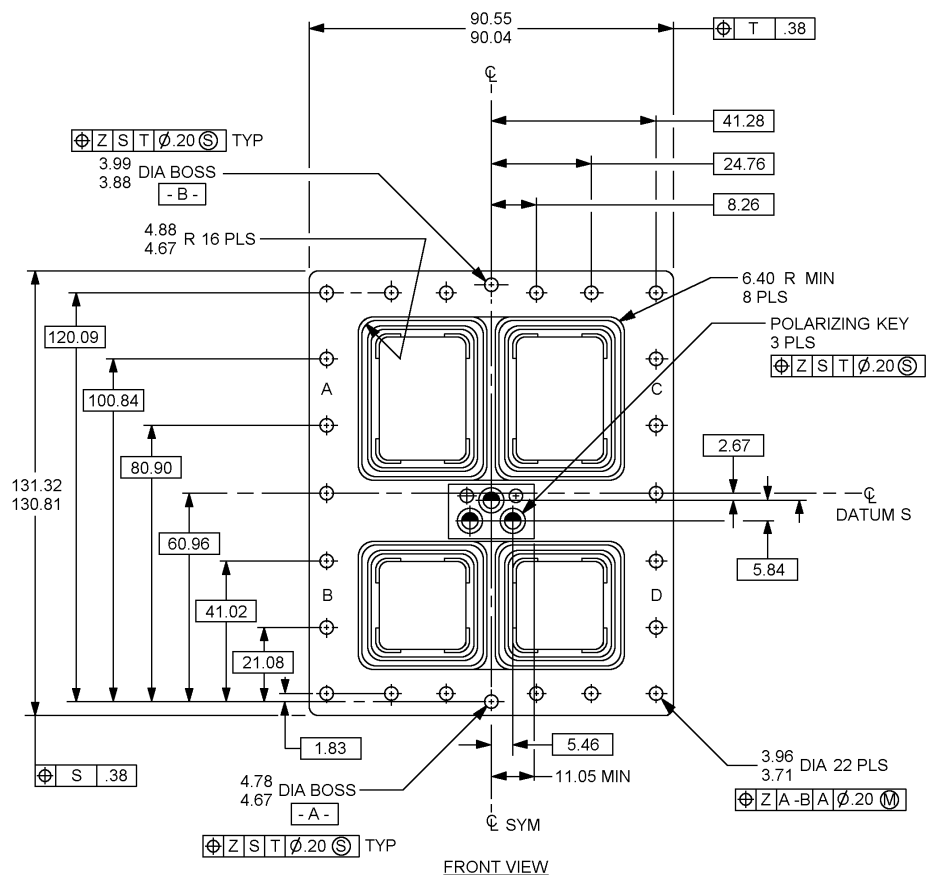


FIGURE 1. Connector, receptacle.

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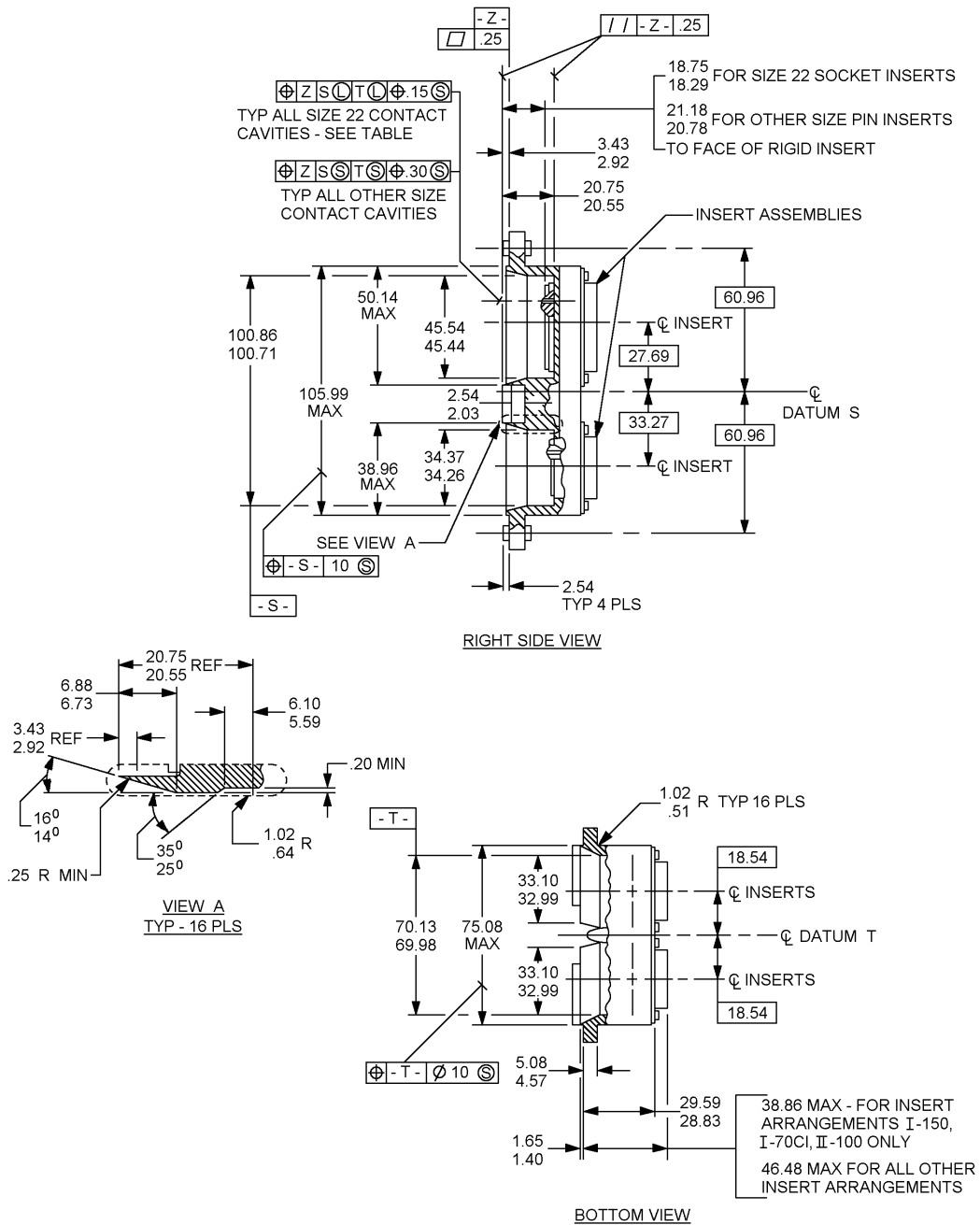


FIGURE 1. Connector, receptacle - Continued.

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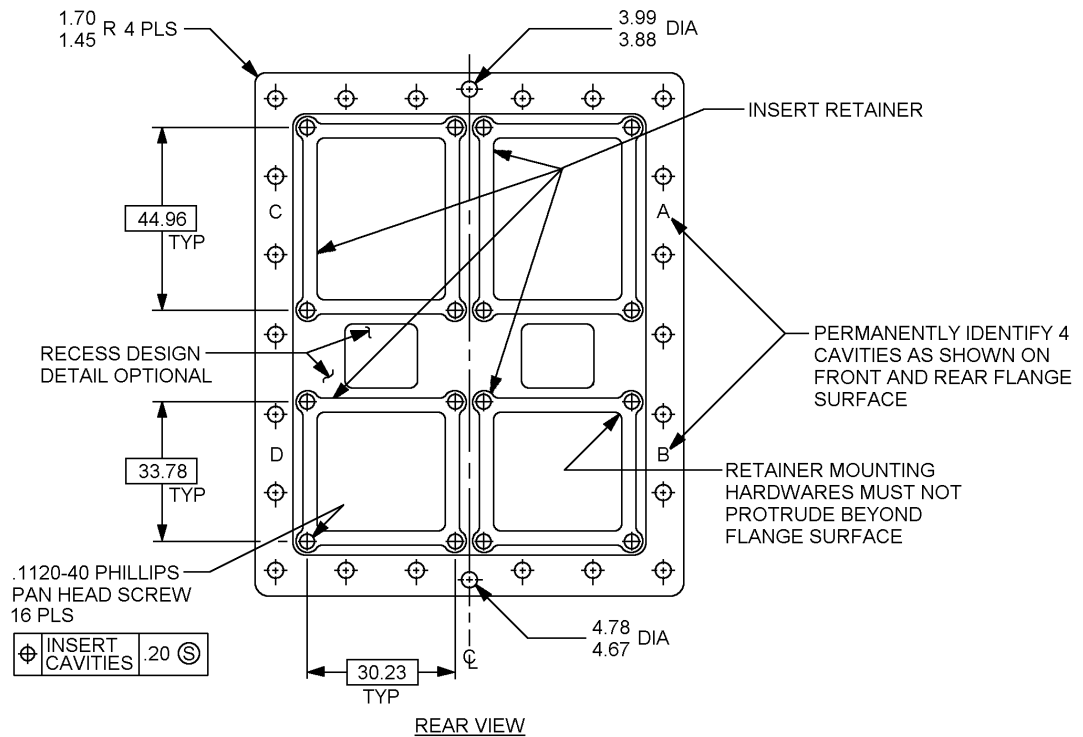


FIGURE 1. Connector, receptacle - Continued.

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Datum T	Datum S		
	100.71 (3.965)	100.74 (3.966)	100.76 (3.967)
69.98 (2.755)	0.30 (.012)	0.30 (.012)	0.30 (.012)
70.00 (2.756)	0.30 (.012)	0.30 (.012)	0.30 (.012)
70.02 (2.757)	0.30 (.012)	0.30 (.012)	0.30 (.012)
70.05 (2.758)	0.28 (.011)	0.28 (.011)	0.28 (.010)
70.08 (2.759)	0.25 (.010)	0.25 (.010)	0.25 (.010)
70.10 (2.760)	0.23 (.009)	0.23 (.009)	0.23 (.009)
70.13 (2.761)	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
0.15	.006	3.91	.154	16.97	.668	46.48	1.830
0.20	.008	3.96	.156	17.58	.692	50.14	1.974
0.25	.010	3.99	.157	18.54	.730	60.96	2.4
0.30	.012	4.57	.180	20.55	.809	70.03	2.757
0.38	.015	4.67	.184	21.08	.830	70.13	2.761
0.79	.031	4.70	.185	24.76	.975	75.08	2.956
1.40	.055	4.78	.188	27.69	1.090	80.90	3.185
1.45	.057	4.88	.192	32.99	1.299	90.04	3.545
1.65	.065	5.08	.2	33.10	1.303	90.55	3.565
1.70	.067	5.46	.215	33.27	1.310	100.71	3.965
1.83	.072	5.84	.230	34.32	1.351	100.84	3.970
2.03	.080	6.40	.252	34.41	1.355	100.86	3.971
2.11	.083	8.26	.325	38.96	1.534	105.99	4.173
2.54	.100	10.80	.425	41.02	1.615	120.09	4.728
2.67	.105	10.92	.430	40.28	1.586	130.81	5.15
2.71	.107	11.05	.435	45.49	1.791	131.32	5.170
3.88	.153			45.49	1.791		

NOTES:

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

FIGURE 1. Connector, receptacle – Continued.

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REQUIREMENTS

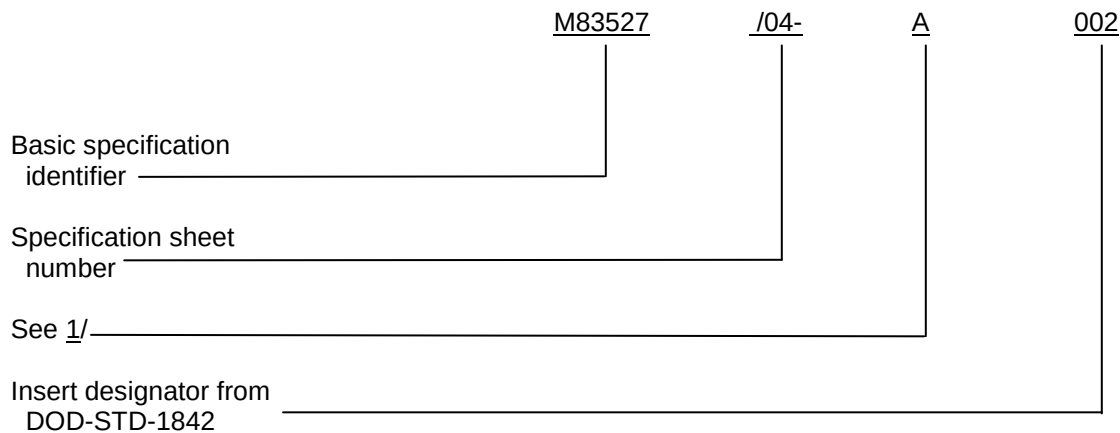
Dimensions and configuration: Shall be in accordance with figure 1.

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

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

Mating connector: See MIL-DTL-83527/3.

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-83527/8
MIL-DTL-83527/3
SAE AS39029/93
SAE AS39029/94
SAE AS39029/97
SAE AS 39029/99
DOD-STD-1842

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2013-188)

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 organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online data at <https://assist.dla.mil/>.