

METRIC

MIL-DTL-83527/2C
w/AMENDMENT 1
15 April 2014
SUPERSEDING
MIL-DTL-83527/2C
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 2

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.

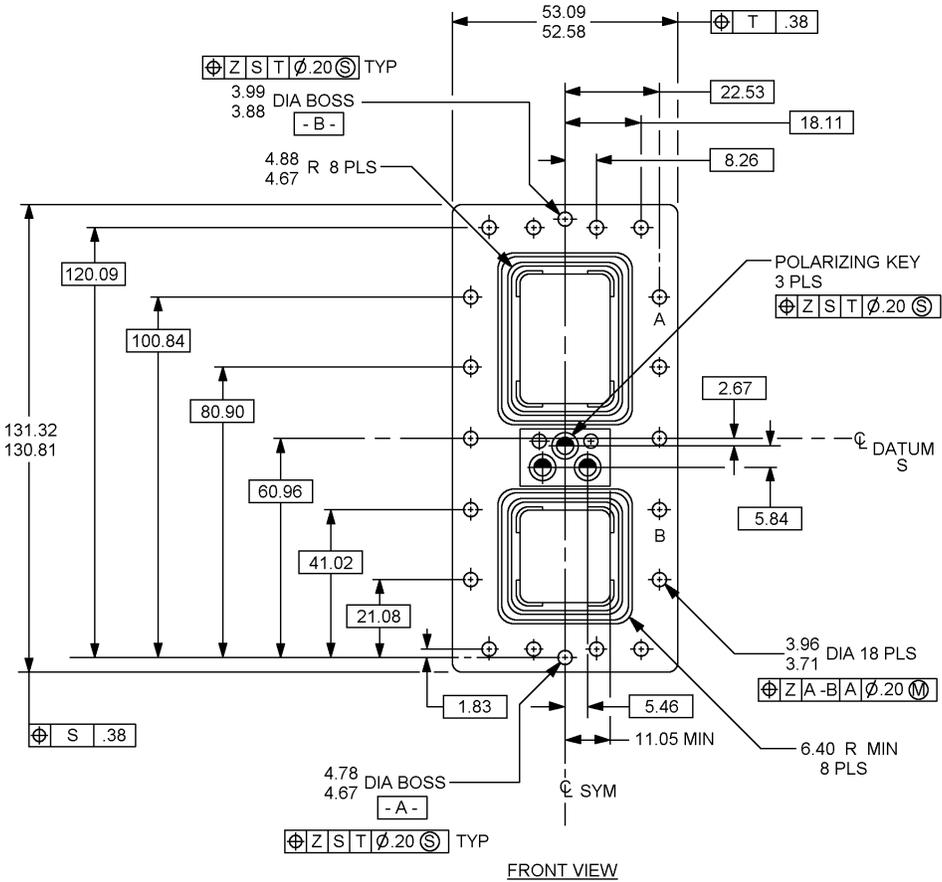


FIGURE 1. Connector, receptacle.

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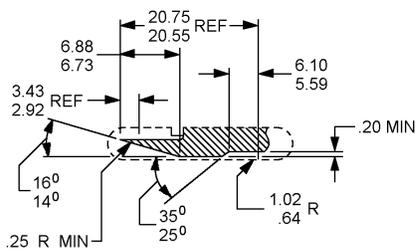
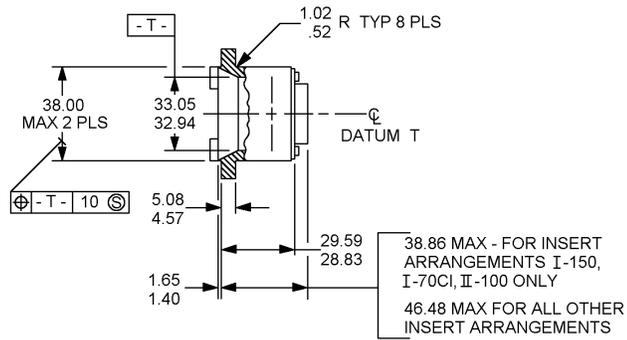
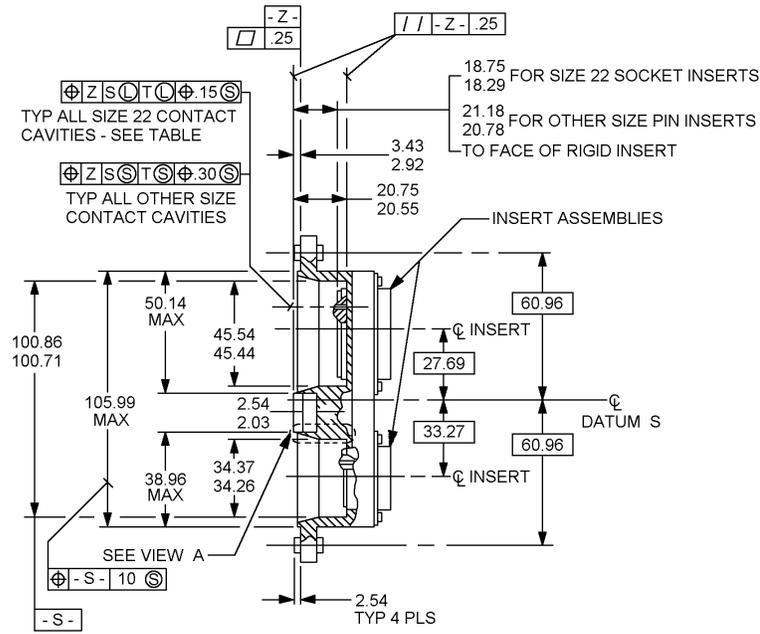


FIGURE 1. Connector, receptacle – Continued.

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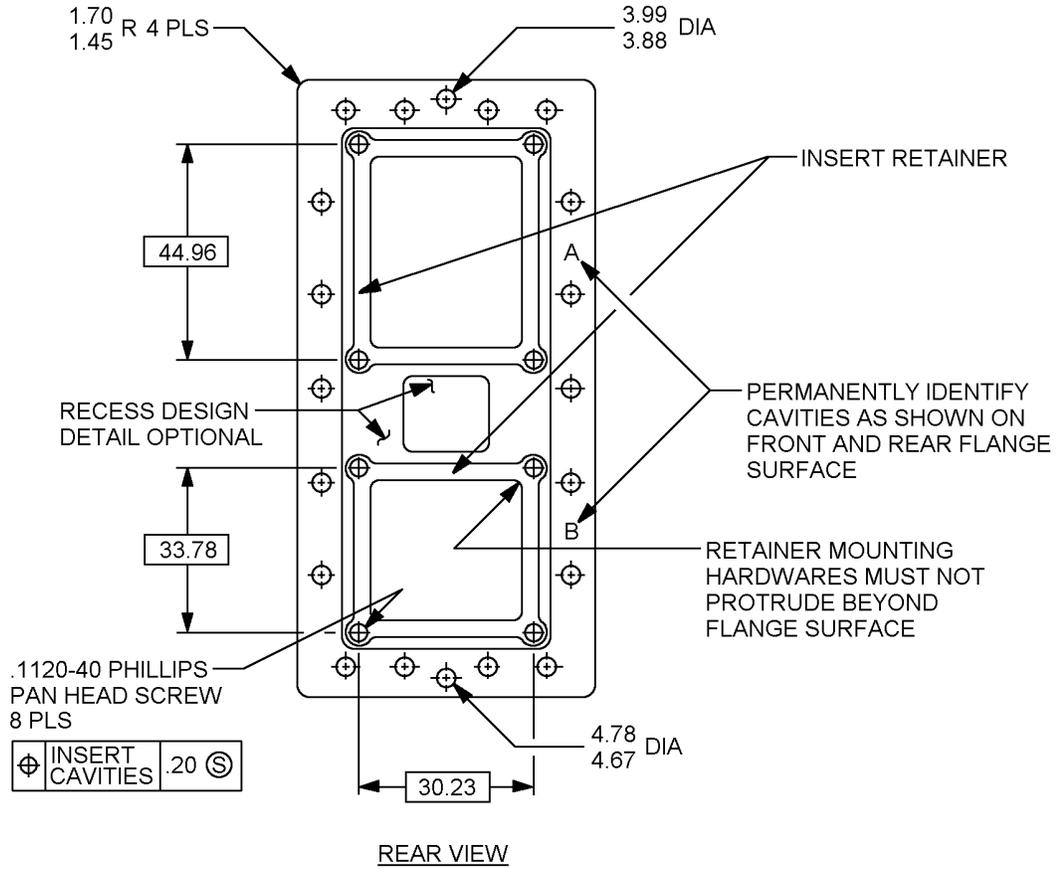


FIGURE 1. Connector, receptacle – Continued.

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Datum T	Datum S		
	100.71 (3.965)	100.74 (3.966)	100.76 (3.967)
32.94 (1.297)	0.30 (.012)	0.30 (.012)	0.30 (.012)
32.97 (1.298)	0.28 (.011)	0.28 (.011)	0.28 (.011)
32.99 (1.299)	0.25 (.010)	0.25 (.010)	0.25 (.010)
33.02 (1.300)	0.25 (.010)	0.23 (.009)	0.23 (.009)
33.05 (1.301)	0.20 (.008)	0.20 (.008)	0.20 (.008)
100.79 (3.968)	100.81 (3.969)	100.84 (3.970)	100.86 (3.971)
Datum S			
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	3.71	.146	11.05	.435	41.02	1.615
0.15	.006	3.88	.153	16.97	.668	45.44	1.789
0.20	.008	3.91	.154	17.58	.692	45.54	1.793
0.25	.010	3.96	.156	18.11	.713	46.48	1.830
0.30	.012	3.99	.157	20.55	.809	50.14	1.974
0.38	.015	4.57	.180	21.08	.830	52.58	2.070
0.79	.031	4.67	.184	22.53	.887	53.09	2.090
1.40	.055	4.70	.185	27.69	1.090	60.96	2.400
1.45	.057	4.78	.188	32.94	1.297	80.90	3.185
1.65	.065	4.88	.192	33.05	1.301	100.71	3.965
1.70	.067	5.08	.200	33.10	1.303	100.84	3.970
1.83	.072	5.46	.215	33.27	1.310	100.86	3.971
2.03	.080	5.84	.230	33.26	1.309	105.99	4.173
2.11	.083	6.40	.252	34.37	1.353	120.09	4.728
2.54	.100	8.26	.325	38.00	1.496	130.81	5.150
2.67	.105	10.80	.425	38.96	1.534	131.31	5.170
		10.92	.430				

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.

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REQUIREMENTS

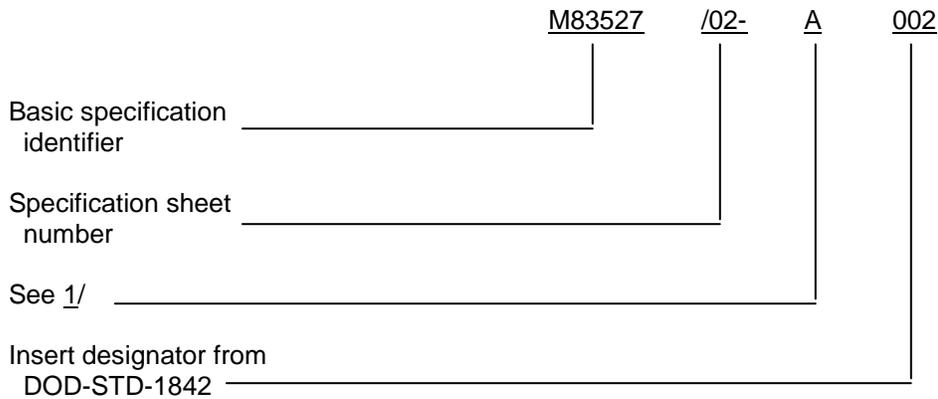
Dimensions and configuration: Shall be in accordance with figure 1.

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

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

Mating connector: See MIL-DTL-83527/1.

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-83527/1
- DOD-STD-1842
- SAE AS39029/93
- SAE AS39029/94
- SAE AS39029/97
- SAE AS39029/99

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-2013-186)

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/>.