

METRIC

MIL-DTL-83538/3D
7 January 2015
SUPERSEDING
MIL-DTL-83538/3C
30 October 2006

DETAIL SPECIFICATION SHEET

CONNECTORS AND ACCESSORIES, ELECTRICAL, CIRCULAR,
UMBILICAL, ADAPTER, BUFFER PLUG, NONREMOVABLE PIN
CONTACTS, FOR MIL-STD-1760 APPLICATIONS (METRIC)

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-83538.

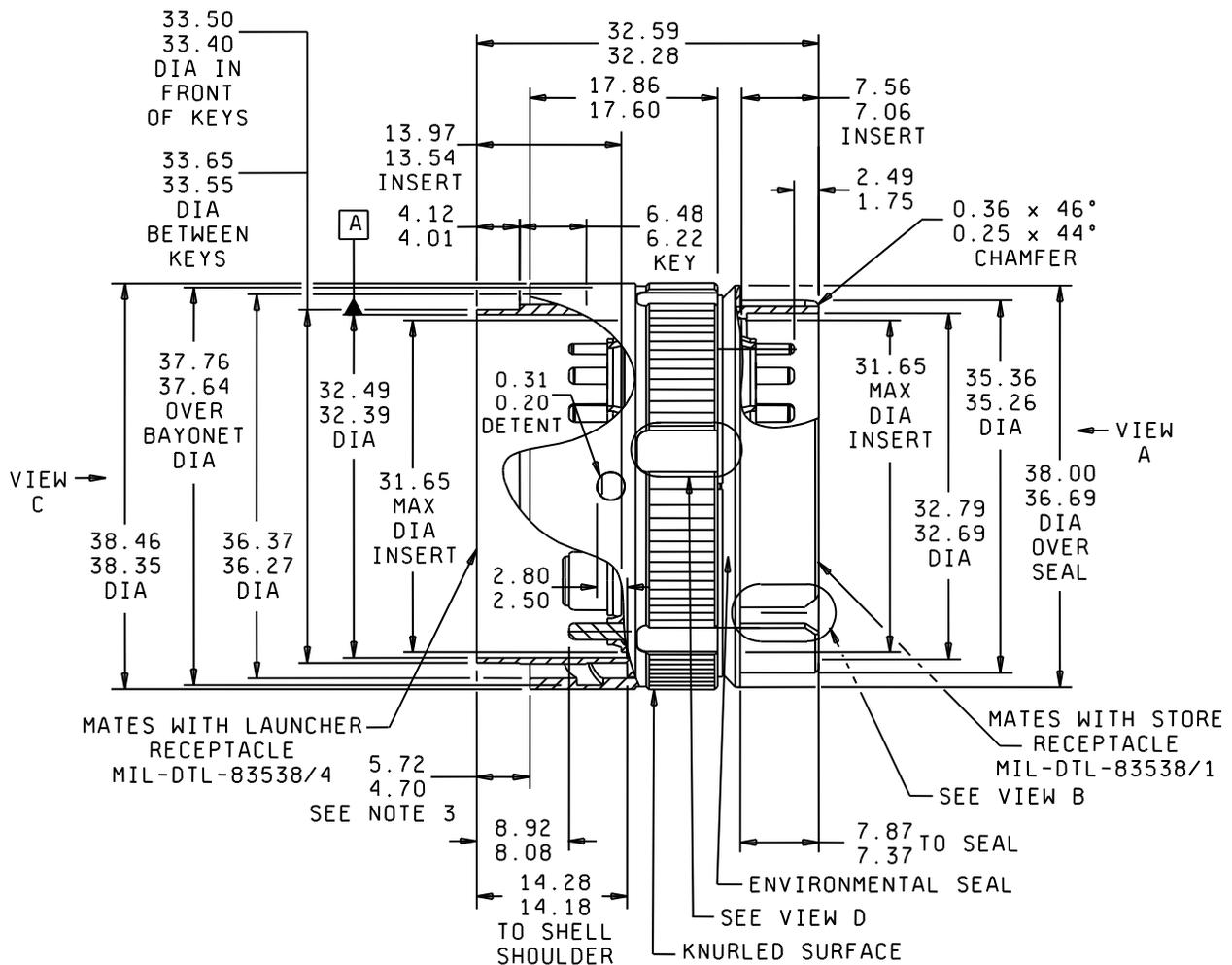


FIGURE 1. Buffer plug.

AMSC N/A

FSC 5935



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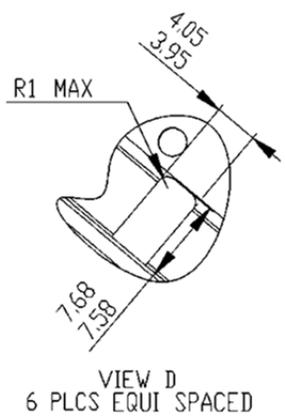
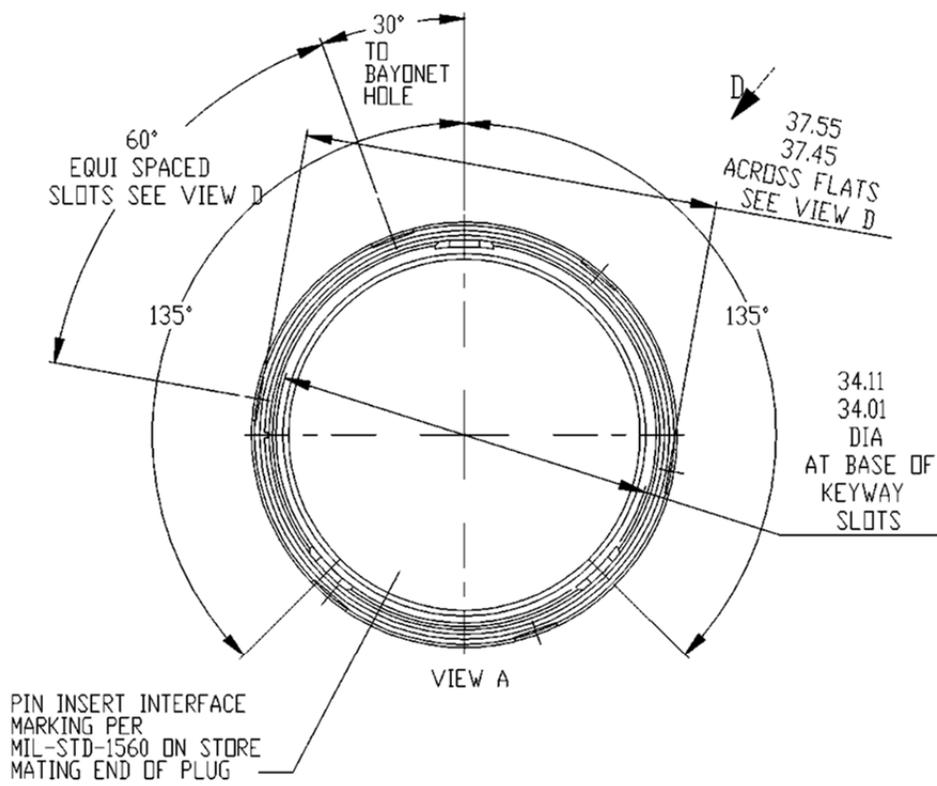


FIGURE 1. Buffer plug - Continued.

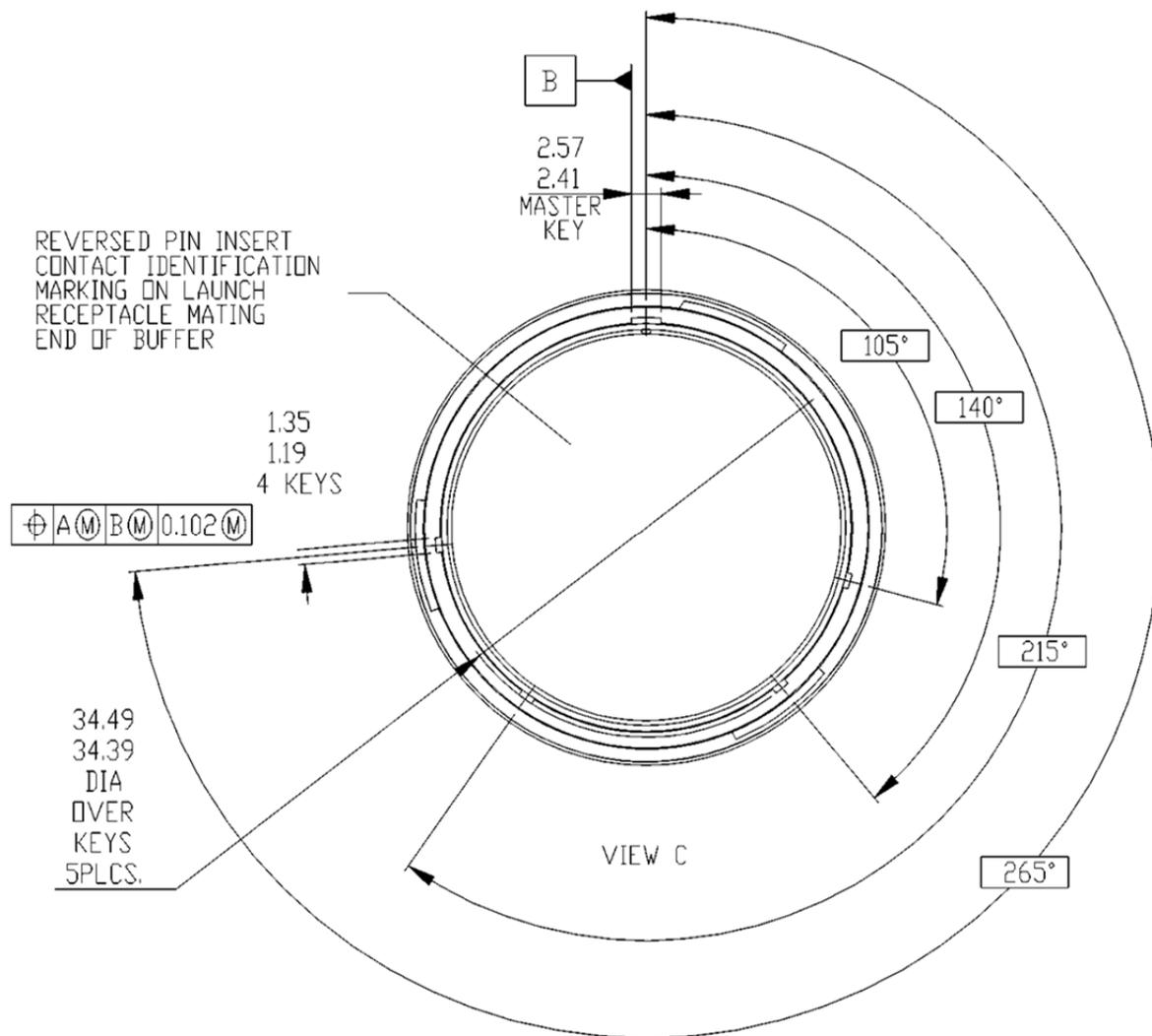
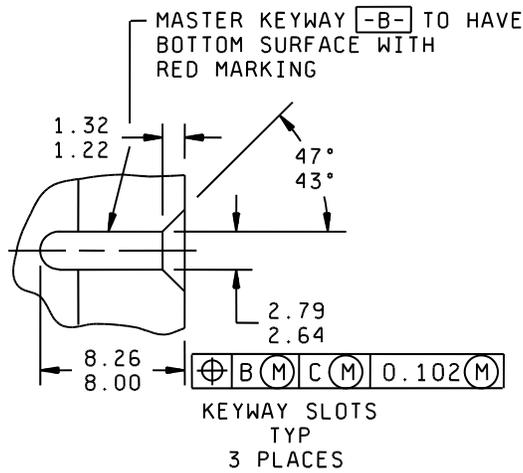


FIGURE 1. Buffer plug - Continued.

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VIEW B

mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
0.10	.004	2.49	.098	7.06	.278	32.39	1.275	34.49	1.358
0.15	.006	2.50	.098	7.56	.298	32.49	1.279	35.23	1.387
0.20	.008	2.57	.101	7.58	.298	32.59	1.283	35.33	1.391
0.25	.010	2.80	.110	7.68	.302	32.69	1.287	36.27	1.428
0.31	.012	3.95	.156	8.08	.318	32.79	1.291	36.37	1.432
0.36	.014	4.01	.158	8.92	.351	33.40	1.315	37.45	1.474
0.65	.026	4.05	.159	13.54	.533	33.50	1.319	37.55	1.478
1.19	.047	4.12	.162	13.97	.550	33.55	1.321	37.64	1.482
1.35	.053	4.70	.185	14.18	.558	33.65	1.325	37.67	1.483
1.75	.069	5.72	.225	14.28	.562	34.01	1.339	37.76	1.487
2.41	.095	6.22	.245	31.65	1.246	34.11	1.343	38.35	1.510
		6.48	.255	32.28	1.271	34.39	1.354	38.46	1.514

NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are given for information only.
3. The 5.72 - 4.70 dimension is when the coupling nut is pushed towards the rear.

FIGURE 1. Buffer plug - Continued.

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REQUIREMENTS:

Dimensions and configurations: See figure 1.

This connector mates with MIL-DTL-83538/1 or /4, or combination of /1 and /4.

Insert arrangement shall be in accordance with MIL-STD-1560 (25-20).

Part or Identifying Number (PIN) example: M83538/3-1.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

Referenced documents. In addition to MIL-DTL-83538, this document references the following:

MIL-DTL-83538/1
MIL-DTL-83538/4
MIL-STD-1560

CONCLUDING MATERIAL

Custodians:

Army - CR

Navy - AS

Air Force – 85

DLA - CC

Preparing activity:

DLA - CC

Review activities:

Army - AR, MI

Navy - EC, MC, OS

Air Force - 19, 99

(Project 5935–2014–111)

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 database at <https://assist.dla.mil>.