

INCH-POUND

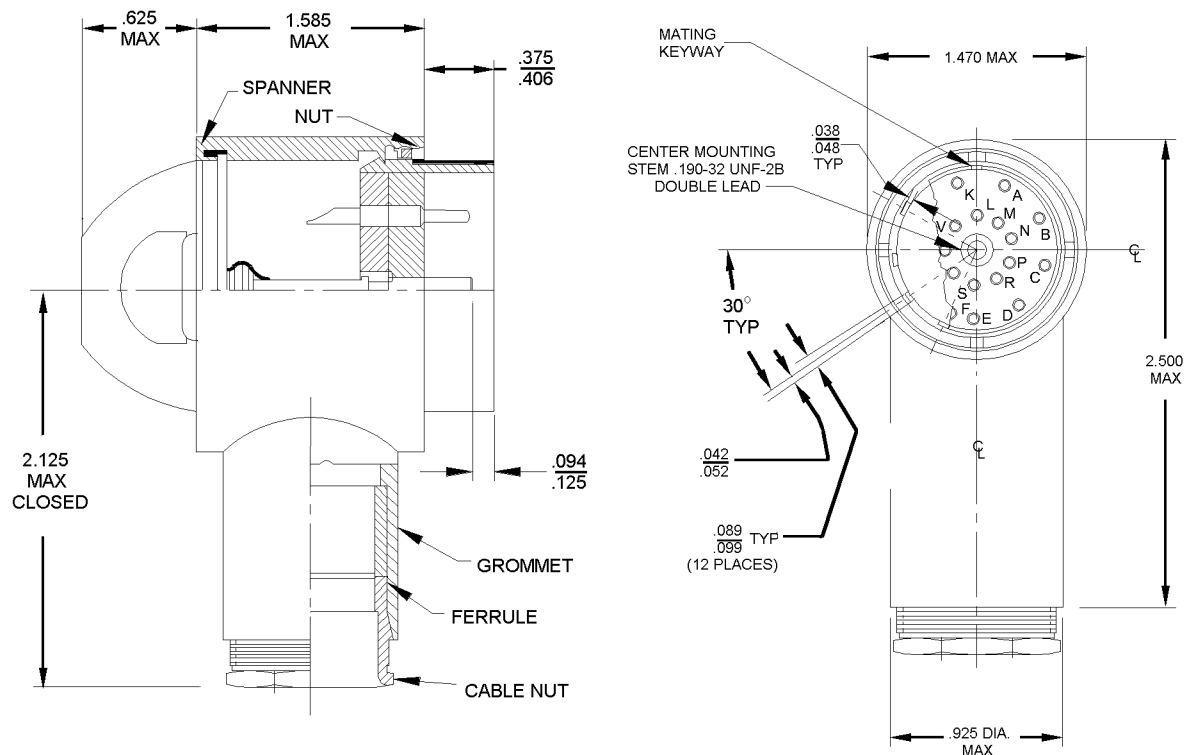
MIL-DTL-55181/7D
w/AMENDMENT 1
19 October 2009
SUPERSEDING
MIL-DTL-55181/7D
10 March 2008

DETAIL SPECIFICATION SHEET

CONNECTOR, ELECTRICAL, PLUG, INTERMEDIATE POWER,
WATERPROOF, 18 PIN CONTACTS, SOLDER CUP, 7.5 AMPS

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-55181.



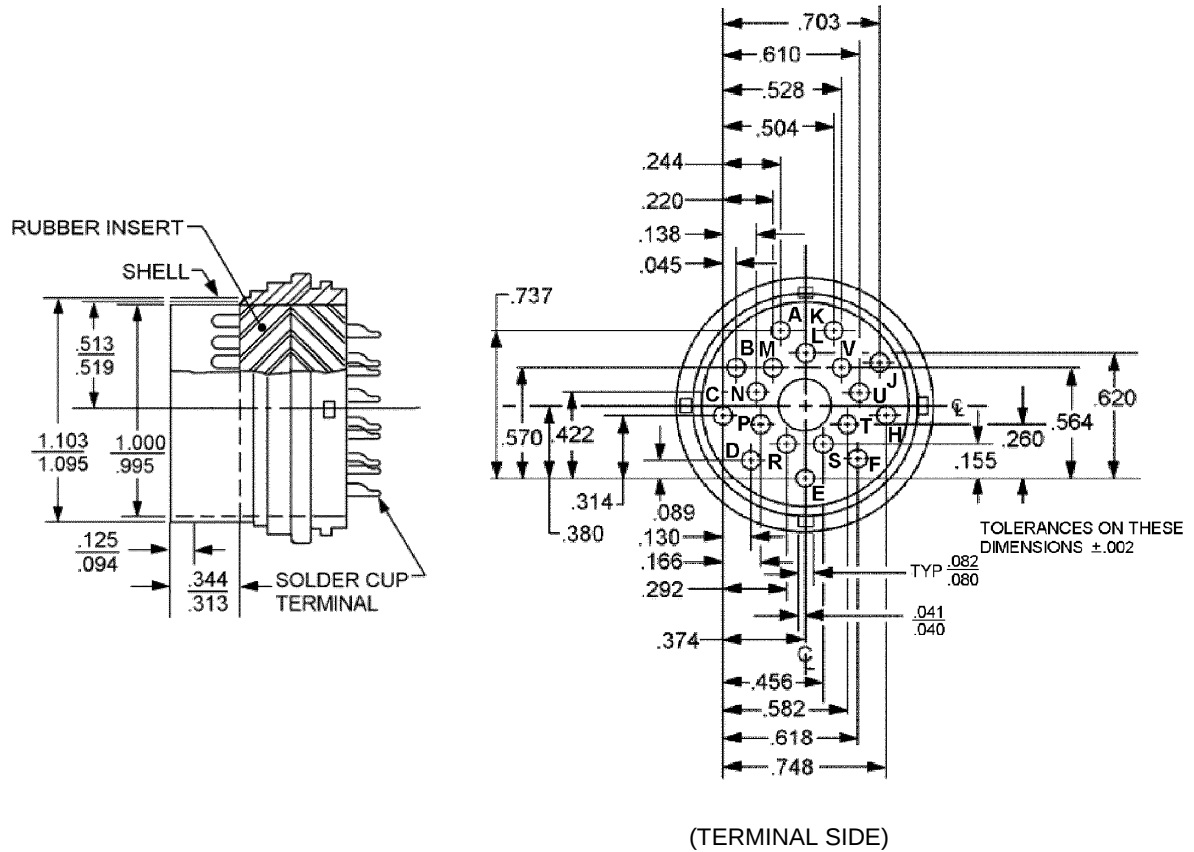
CONNECTOR ASSEMBLY

FIGURE 1. Dimensions and configurations.

AMSC N/A

FSC 5935

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NOSE PIECE ASSEMBLY

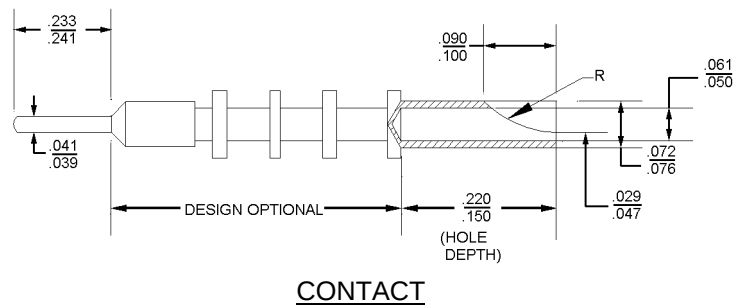


FIGURE 1. Dimensions and configurations - Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
.029	0.74	.089	2.26	.313	7.95	.618	15.70
.038	0.96	.090	2.29	.314	7.98	.620	15.75
.039	0.99	.094	2.39	.344	8.74	.625	15.87
.040	1.01	.099	2.51	.374	9.50	.703	17.85
.041	1.04	.100	2.54	.375	9.52	.737	18.72
.042	1.07	.125	3.17	.380	9.65	.748	19.00
.045	1.14	.130	3.30	.406	10.31	.925	23.49
.047	1.19	.138	3.50	.422	10.72	.995	25.27
.048	1.22	.150	3.81	.456	11.58	1.000	25.40
.050	1.27	.155	3.94	.504	12.80	1.095	27.81
.052	1.32	.166	4.21	.513	13.03	1.103	28.01
.061	1.55	.220	5.59	.519	13.18	1.470	37.34
.072	1.83	.233	5.92	.528	13.41	1.585	40.26
.076	1.93	.241	6.12	.564	14.32	2.125	53.97
.080	2.03	.244	6.20	.570	14.48	2.500	63.50
.082	2.08	.260	6.60	.582	14.78		
.084	2.13	.292	7.42	.610	15.49		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are $\pm .005$ inch (0.13 mm) for three place decimals and $\pm .01$ inch (0.3 mm) for two place decimals.
4. Angular tolerances shall be ± 30 minutes unless otherwise specified.
5. See table I for cable size accommodations.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1 and table I.

Contacts: 7.5 ampere current rating, 20 AWG.

Mating connector: M55181/8-01.

Part or Identifying Number (PIN): M55181/7 - (dash number specified in table I).

TABLE I. Dash numbers, cross reference and intermating table.

PIN	Type designator ^{1/}	Cable size accommodation		Mating connector	
		MIN	MAX	PIN	Type designator ^{1/}
M55181/7-01	MW10M(M)D11	.292 (7.42)	.343 (8.71)	M55181/8-01	MW20F(M)D00
M55181/7-02	MW10M(M)D13	.323 (8.20)	.406 (10.31)	M55181/8-01	MW20F(M)D00
M55181/7-03	MW10M(M)D17	.448 (11.38)	.531 (13.48)	M55181/8-01	MW20F(M)D00
M55181/7-04	MW10M(M)D19	.511 (12.98)	.593 (15.06)	M55181/8-01	MW20F(M)D00
M55181/7-05	MW10M(M)D15	.386 (9.80)	.468 (11.88)	M55181/8-01	MW20F(M)D00

^{1/} This type designator shall not be referenced for procurement purposes.

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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.

Referenced documents. This document references MIL-DTL-55181.

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2009-173)

Review activity:
Air Force - 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 database at <http://assist.daps.dla.mil>.