

INCH-POUND

MIL-DTL-27434/33A
w/AMENDMENT 1
9 September 2022
SUPERSEDING
MIL-DTL-27434/33A
9 January 2003

DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, COAXIAL, RADIOFREQUENCY,
BETWEEN SERIES, TYPE UG-1146/U
(SERIES BNC TO QDS)

Inactive for new design after
19 February 1982

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

The requirements for acquiring the adapter described herein shall
consist of this document and the latest issue of MIL- DTL-27434.

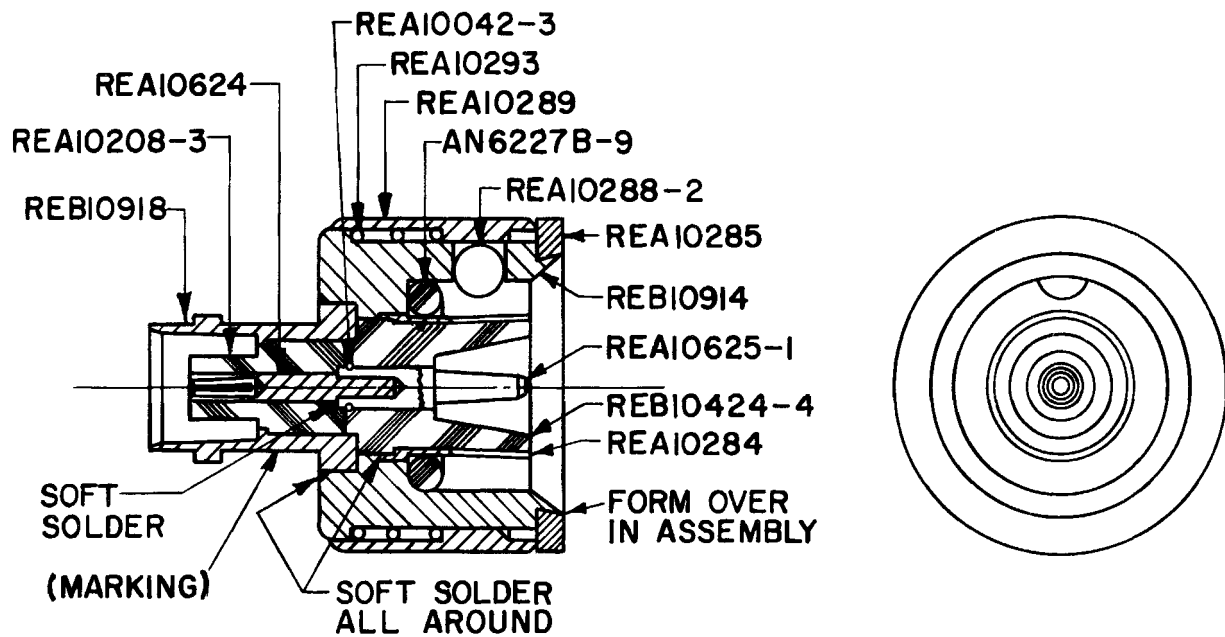


FIGURE 1. Type UG-1146/U connector adapter.



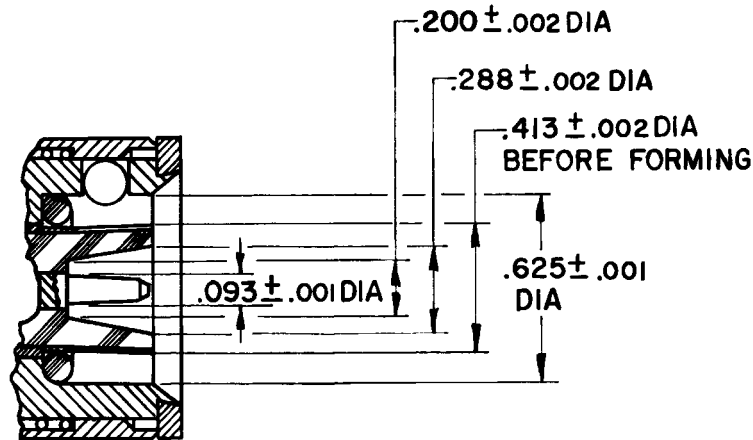


FIGURE 2. Series QDS Pin Contact Interface.

1. All dimensions are in inches.
2. Unless otherwise specified, tolerances are ± 0.005 inch.

Dimensions and configuration: In accordance with Figure 1 and the following drawings:

SAE-AS28775 – Packing, Preformed, Hydraulic, +275 DEG. F. ("O" RING)
 REA10042 – Ring
 REA10208 – Insulator
 REA10284 – Contact
 REA10285 – Flange
 REA10288 – Ball Bearing
 REA10289 – Sleeve
 REA10293 – Spring
 REB10424 – Insulator
 REA10624 – Contact
 REA10625 – Contact
 REB10914 – Body
 REB10918 – Body

Mating characteristics: Series BNC interface shall be in accordance with MIL-STD-348. Series QDS interface shall be in accordance with figure 2.

Gage tests for contacts: The specified contact shall meet the gage tests for contacts specified in MIL- DTL-27434 paragraphs 4.2 and 4.2.1. The outer contact shall meet the gage test as specified in MIL- DTL-27434 paragraph 4.2 1 prior to assembly into the connector adapter (QDS only).

Spring finger contact members shall make contact within .0312 inch of their tip ends, with a ring having an inside diameter of .420 inch minimum. All contact members shall then enter a ring having an inside diameter of .428 inch maximum when a pressure of not more than 1 pound is applied.

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Part or Identifying Number (PIN): UG-1146/U

Supersession: This document supersedes Navy drawing REB49323

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. In addition to MIL-DTL-27434, this document references the following:

MIL-STD-348
SAE-AS28775
REA10042
REA10208
REA10284
REA10285
REA10288
REA10289
REA10293
REB10424
REA10624
REA10625
REB10914
REB10918
REB49323

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – EC
Air Force – 11
DLA – CC

Preparing activity:

DLA - CC

(Project 5935-2022-099)

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>.