

INCH-POUND

MIL-DTL-55302/124A  
22 May 2006  
SUPERSEDING  
MIL-C-55302/124(USAF)  
5 February 1979

DETAIL SPECIFICATION SHEET

CONNECTORS, PRINTED CIRCUIT SUBASSEMBLY AND ACCESSORIES:  
KEYING ACCESSORIES

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-55302.

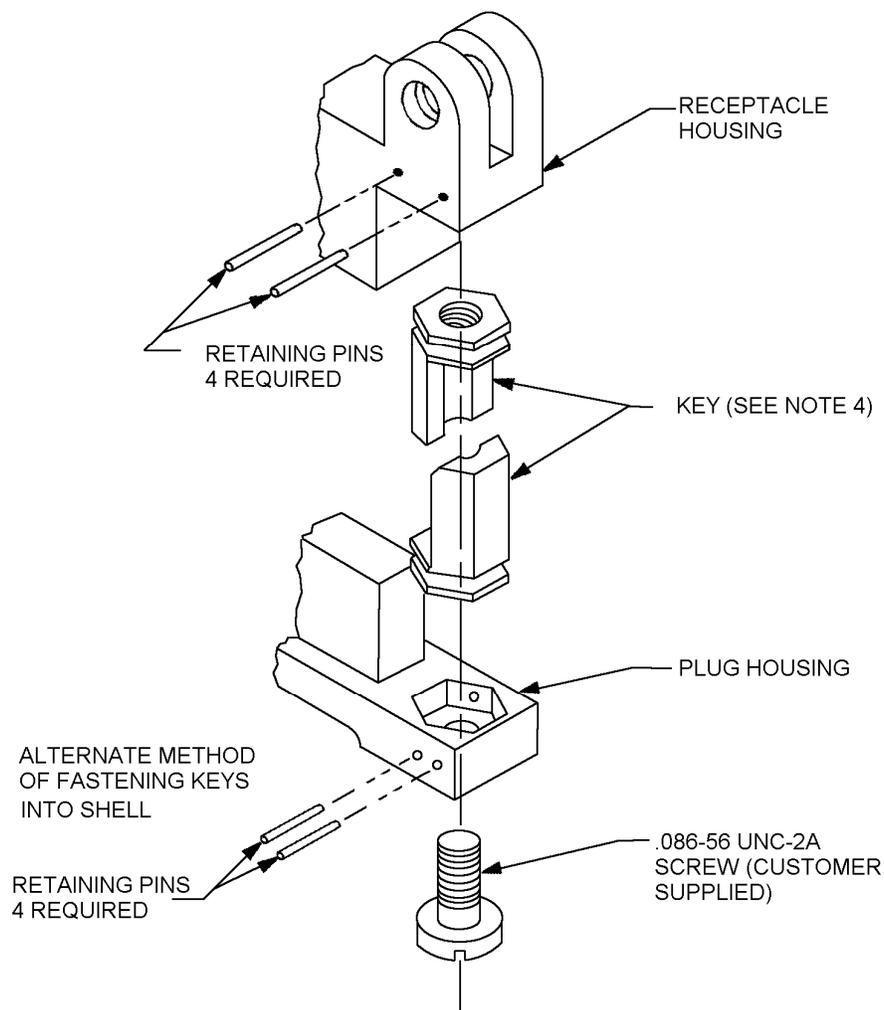
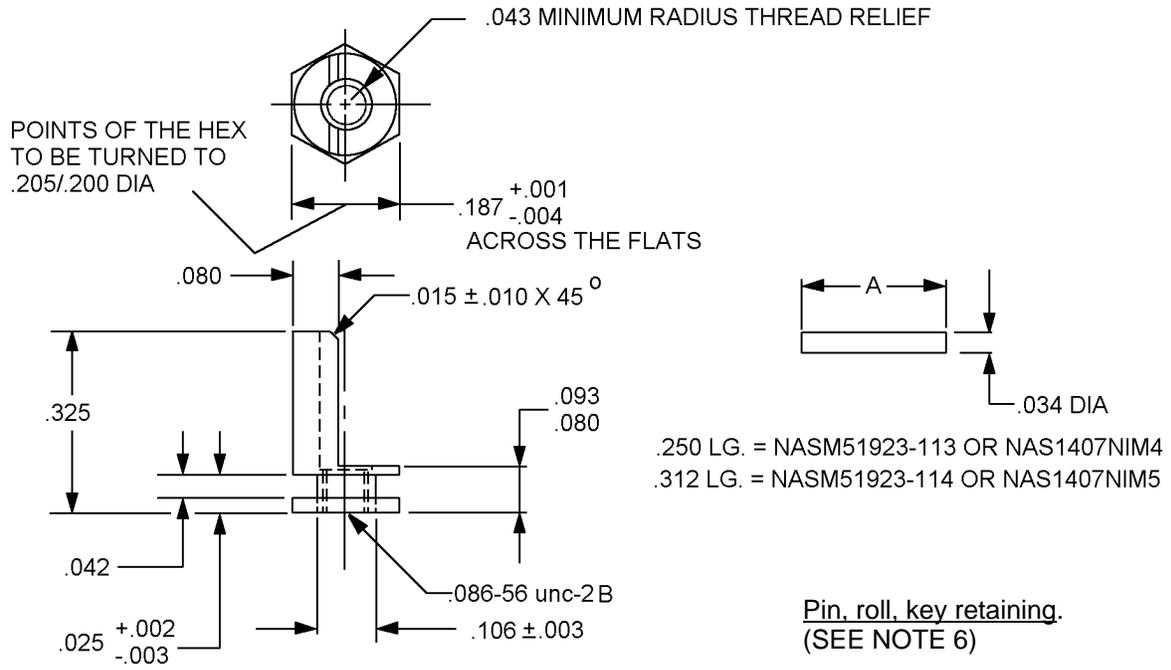


FIGURE 1. Key assembly.

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KEY/PIN	A ± .010
M55302/124-01	.250
M55302/124-02	.312

(SEE NOTE 6)

Key

Inches	mm
.001	.02
.002	.05
.003	.08
.004	.10
.010	.25
.015	.38
.025	.64
.034	.86
.042	1.07
.043	1.09
.080	2.03
.086	2.18
.093	2.36
.106	2.69
.187	4.75
.200	5.08
.205	5.21
.250	6.35
.312	7.92
.325	8.26

FIGURE 1. Key assembly – Continued.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information.
3. Unless otherwise specified, tolerance is  $\pm .005$  (.13 mm).
4. Keys are furnished (loose pack) with connectors to be installed by customer.
5. There are 6 possible positions per end which gives 36 total positions available for keying.
6. Keys and pins are furnished with connectors. If ordered separately they consist of the following parts:
  - a. M55302/124-01 (for M55302/120 and 121) – Two keys and 4 roll pins (.250 length).
  - b. M55302/124-02 (for M55302/122 and 123) – Two keys and 4 roll pins (.312 length).
  - c. M55302/124-03 (for M55302/120 and 122) – Two keys and no roll pins.

FIGURE 1. Key assembly – Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material and finish:

Key: Stainless steel in accordance with ASTM A240/A240M and ASTM A582/A582M, passivated in accordance with SAE-AMS2700, method 1, type 2.

Roll pins: Stainless steel in accordance with ASTM A240/A240M passivated in accordance with SAE-AMS2700, method 1, type 2.

Application:

Keys to be used in accordance with MIL-DTL-55302/120 thru 123.

Roll pin to be used in accordance with MIL-DTL-55302/120 thru /123; /121 and /123 mandatory; and /120 and /122 optional.

Installation:

Socket connector (daughterboard): Place key in hexagonal cavity in predetermined position (one of six). Next push roll pins into the two holes in connector body.

Pin connector (motherboard): Place key in hexagonal cavity in predetermined position (one of six) to match opposing key in socket connector. Hold key in position by installing mounting screw thru the motherboard or push roll pins into the two holes in the connector.

Part or Identifying Number (PIN): M55302/124-(dash number from associated table with figure 1).

Qualification and quality conformance requirements are not applicable.

Changes from previous issue. 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 marginal notations and relationship to the last previous issue.

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Referenced documents. In addition to MIL-DTL-55302, this document references the following:

MIL-DTL-55302/120  
MIL-DTL-55302/121  
MIL-DTL-55302/122  
MIL-DTL-55302/123  
ASTM A240/A240M  
ASTM A582/A582M  
SAE-AMS2700

CONCLUDING MATERIAL

Custodians:  
Air Force – 11  
DLA - CC

Preparing activity:  
DLA - CC

Review activities:  
Air Force – 19, 99

(Project 5935-4476-000)

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>