INCH-POUND

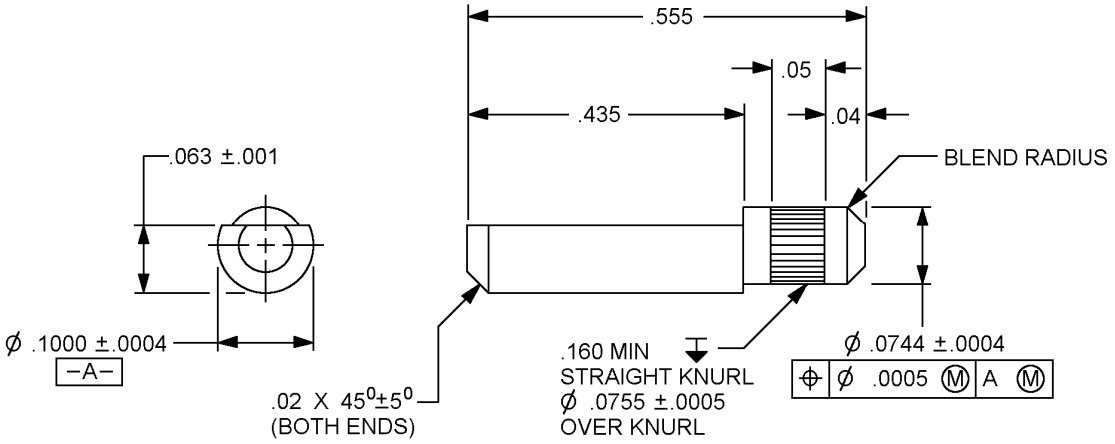
MIL-DTL-32234/9
16 January 2007

DETAIL SPECIFICATION SHEET

CONNECTOR, ELECTRICAL, ULTRA HIGH DENSITY,
MODULAR, KEYING PINS AND BUSHINGS

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

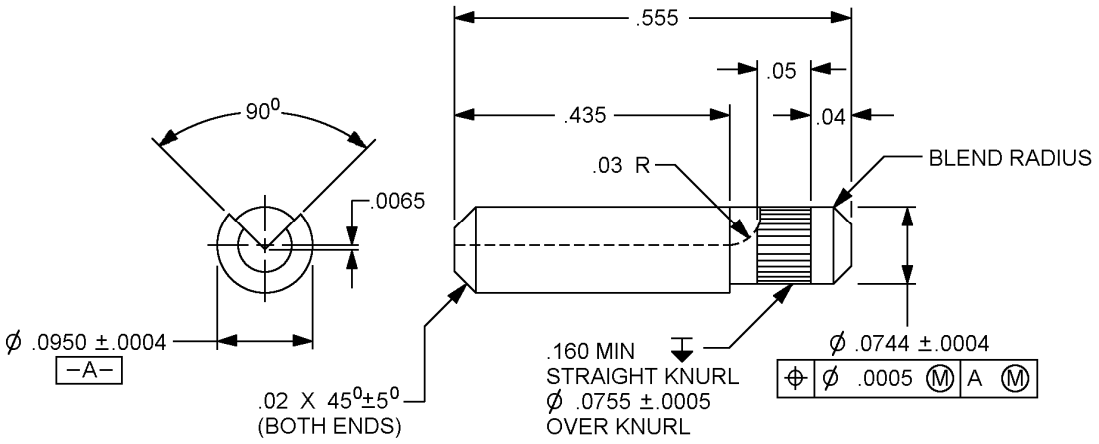
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-32234.



Inches	mm
.0004	0.0102
.0005	0.013
.001	0.03
.02	0.5
.04	1.0
.05	1.3
.063	1.60
.0744	1.890
.0755	1.918
.1000	2.540
.160	4.06
.435	11.05
.555	14.10

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances for 2 place decimals are ±.01 inch (0.3 mm), 3 place decimals are ±.005 inch (0.13 mm); angular tolerance is ±0°30'.

FIGURE 1. Polarizing key "D" pin.



Inches	mm
.0004	0.0102
.0005	0.013
.0055	0.140
.0065	0.165
.02	0.5
.03	0.8
.04	1.0
.05	1.3
.0744	1.890
.0755	1.918
.0950	2.413
.555	14.10

NOTES:
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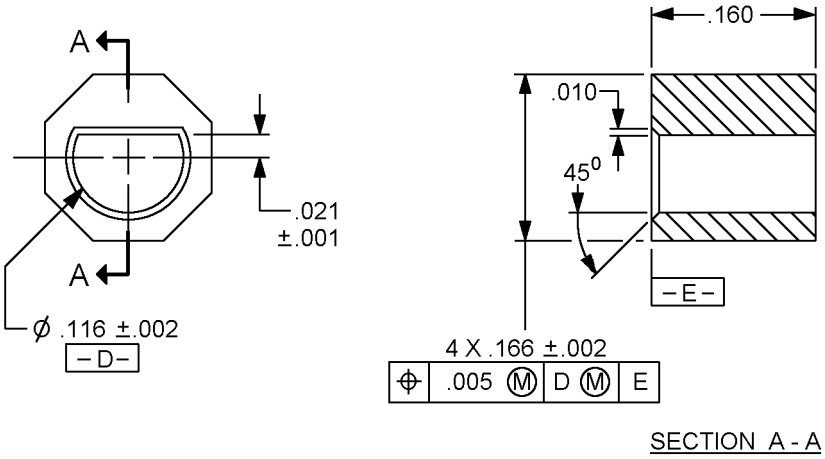
FIGURE 2. Polarizing key "V" pin.



Inches	mm
.001	0.02
.002	0.05
.005	0.13
.010	0.25
.021	0.53
.116	2.95
.160	4.06
.166	4.23

NOTES:
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2. Metric equivalents are given for information only.
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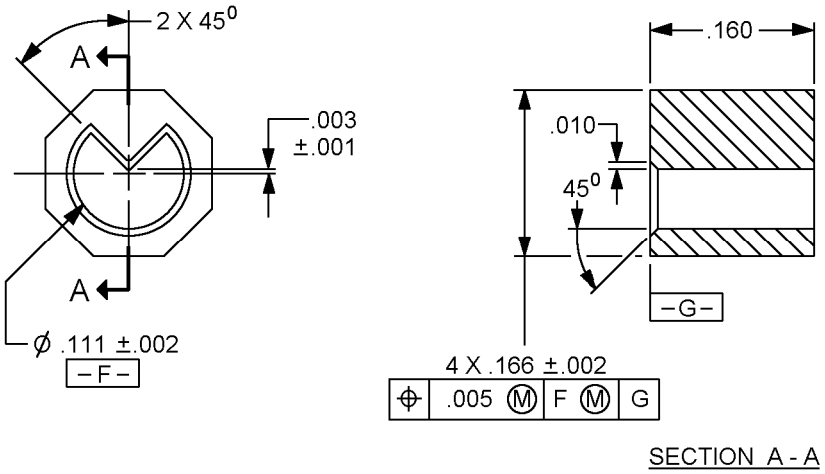
FIGURE 3. "D" keying bushing.



Inches	mm
.001	0.02
.002	0.05
.003	0.08
.005	0.13
.010	0.25
.111	2.82
.160	4.06
.166	4.23

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances for 2 place decimals are ±.01 inch (0.3 mm), 3 place decimals are ±.005 inch (0.13 mm); angular tolerance is ±0°30'.

FIGURE 4. "PIE" keying bushing.

REQUIREMENTS:

Dimensions and configurations: The design, construction, and physical dimensions shall be as specified on figures 1, 2, 3, 4, and MIL-DTL-32234. In case of conflict between this drawing and MIL-DTL-32234, this drawing shall govern.

Interface: These keying pins and bushings are used with connectors specified in MIL-DTL-32234/1 through /8.

Part or Identifying Number (PIN) example:

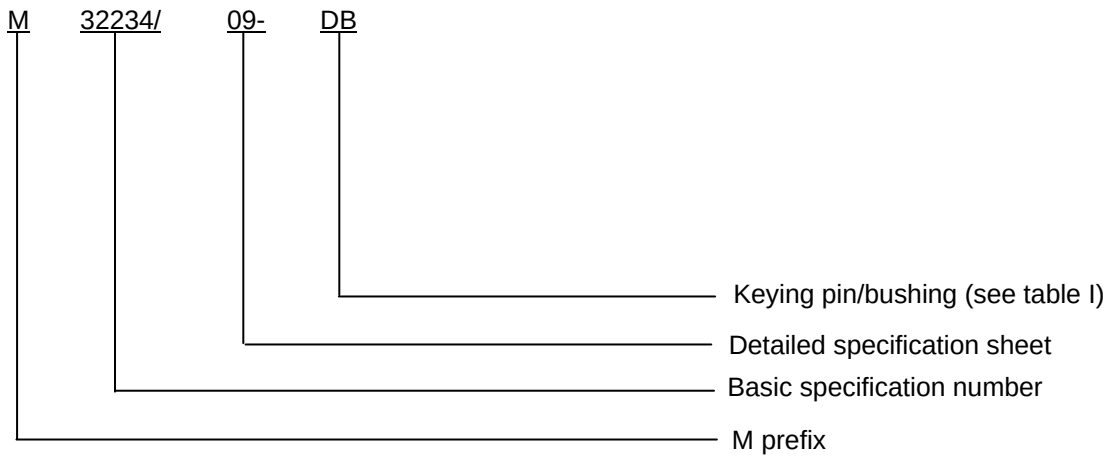


TABLE I. Type designation.

Designator	Key or bushing type
DK	“D” keying pin
PK	“PIE” keying pin
DB	“D” keying bushing
PB	“PIE” keying bushing

Material:

Keying pins shall be stainless steel 303Se (UNS designation 30323) condition A, in accordance with ASTM A582/A582M.

Keying bushings shall be sintered metal in accordance with Metal Powder Industries Federation (MPIF) SS-316 NI-25, or stainless steel in accordance with ASTM A582/A582M.

Finish: Keying pins and keying bushings shall be passivated in accordance with SAE-AMS-2700.

Referenced documents. In addition to MIL-DTL-32234, this document references the following:

MIL-DTL-32234/1	MIL-DTL-32234/6
MIL-DTL-32234/2	MIL-DTL-32234/7
MIL-DTL-32234/3	MIL-DTL-32234/8
MIL-DTL-32234/4	ASTM A582/A582M
MIL-DTL-32234/5	SAE-AMS-2700

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2005-004)

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.