

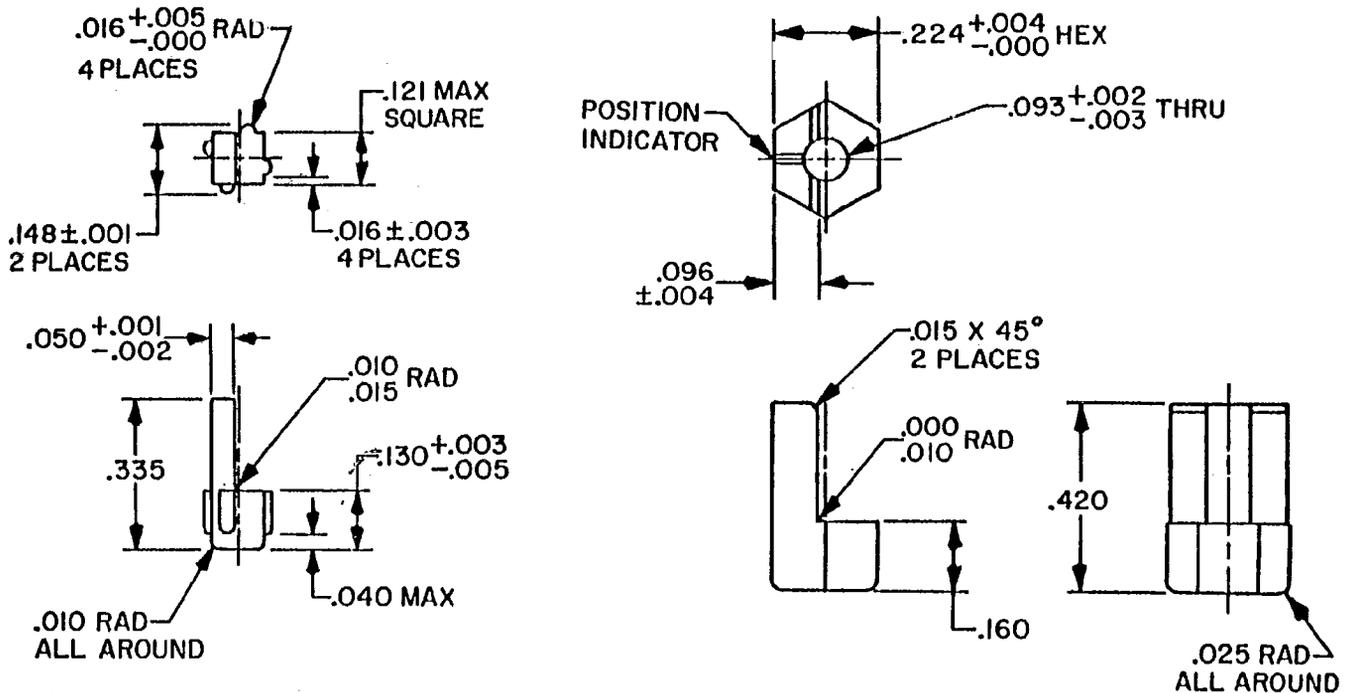
MIL-C-55302/78C(USAF)
 2 March 1989
 SUPERSEDING
 MIL-C-55302/78B(USAF)
 26 September 1975

MILITARY SPECIFICATION SHEET

CONNECTORS, PRINTED CIRCUIT SUBASSEMBLY AND ACCESSORIES:
 KEY, POLARIZING, CONNECTORS, ELECTRICAL PRINTED WIRING BOARDS

This specification is approved for use by the Department of the Air Force and is available 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 the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-55302.



NOTES:

1. Material: Glass filled acetal plastic in accordance with MIL-P-46137.
2. Installs in MIL-C-55302/74, MIL-C-55302/75, and MIL-C-55302/166 through MIL-C-55302/170.

©

Square polarization

Patent number 3,611,272

NOTES:

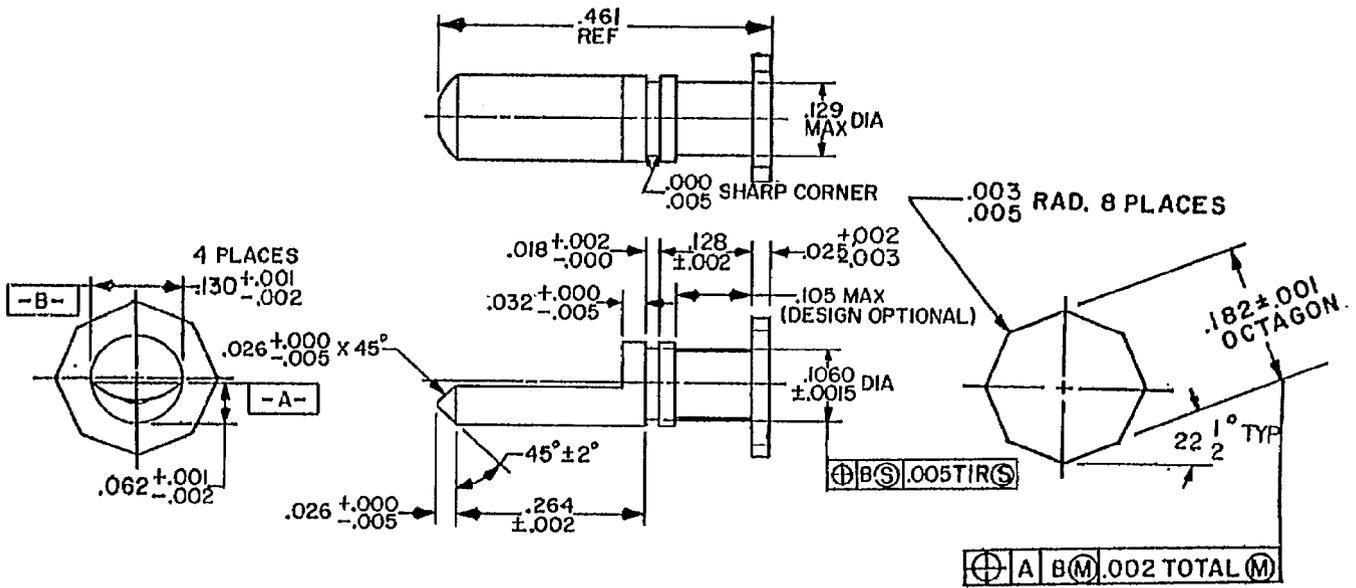
1. Material: In accordance with L-P-410 (nylon 6/10).
2. Installs in MIL-C-55302/72 and MIL-C-55302/73.

Hex polarization

Patent number 3,582,867

FIGURE 1. Key, polarizing.

© denotes changes



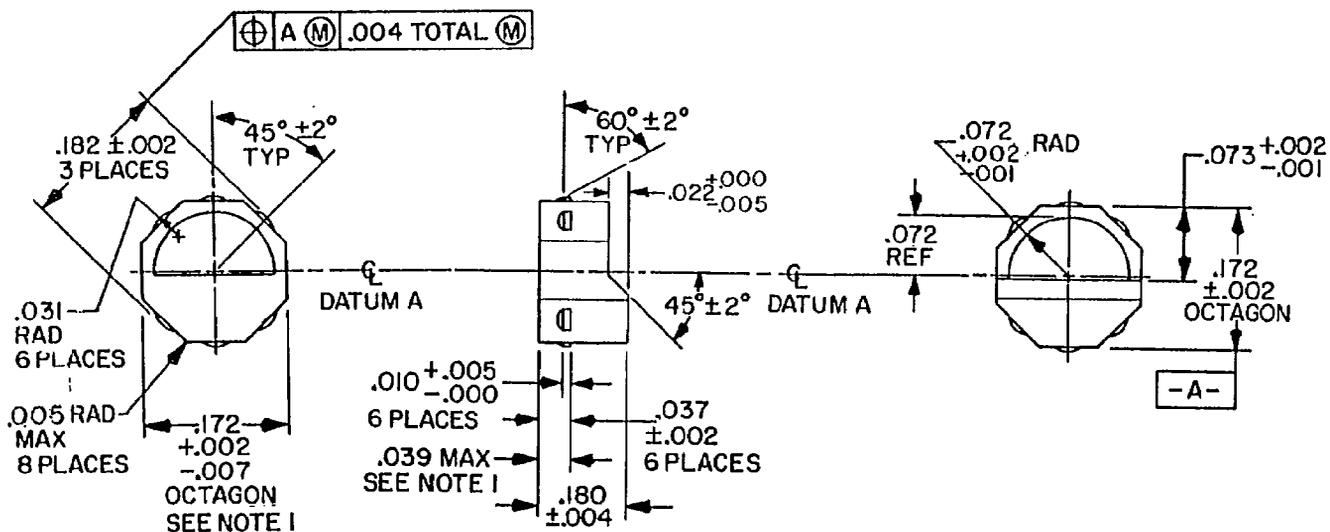
NOTES:

1. All dimensions before coating.
2. Material is aluminum AMS 4150
3. Coating: Anodize AMS 2470.
4. Installs in MIL-C-55302/76.

Polarization pin

Patent number 3,714,617

FIGURE 1. Key, polarizing - Continued.



NOTES:

1. Indicated dimension applies for indicated length.
2. Material is in accordance with L-P-410 (nylon 6/6).
3. Installs in MIL-C-55302/77.

Bushing, polarization,
octagon, molded

Patent number 3,714,617

Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	0.03	.015	0.38	.037	0.94	.096	2.44	.160	4.06
.0015	0.038	.016	0.41	.039	0.99	.105	2.67	.172	4.37
.002	0.05	.018	0.46	.040	1.02	.1060	2.692	.180	4.57
.003	0.08	.022	0.56	.050	1.27	.121	3.07	.182	4.62
.004	0.10	.025	0.64	.058	1.47	.128	3.25	.224	5.69
.005	0.13	.026	0.66	.072	1.83	.129	3.28	.264	6.71
.007	0.18	.031	0.79	.073	1.85	.130	3.30	.335	8.51
.010	0.25	.032	0.81	.093	2.36	.141	3.58	.420	10.67
						.148	3.76	.463	11.76

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is ±.005 (0.13 mm)

FIGURE 1. Key, polarizing - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material: See notes on figure 1.

Part number: M55302/78-(dash number from table I).

Used in connectors: See notes on figure 1.

TABLE I. Dash numbers.

Dash number	Description
01	Hex, polarization
02	Square, polarization
03	Bushing, polarization
04	Pin, polarization

Patent numbers 3,582,867 and 3,611,272. The Government has a royalty free license under these patents for the benefit of manufacturers of the items either for the Government or for use in equipment to be delivered to the Government.

Note: Retention of qualification requirements: Not applicable.

CONCLUDING MATERIAL

Custodian:
Air Force - 17

Review activities:
© Air Force - 11, 85, 99
DLA - ES

User activity:
Air Force - 19

Preparing activity:
Air Force - 17

Agent:
DLA - ES
(Project 5935-F344-1)