

MIL-STD-242G (NAVY)
17 AUGUST 1981
SUPERSEDING
MIL-STD-242F (NAVY)
1 JUNE 1970

MILITARY STANDARD

ELECTRONIC EQUIPMENT PARTS
SELECTED STANDARDS



FSC 59GP

MIL-STD-242G(NAVY)
17 August 1981

DEPARTMENT OF DEFENSE
Washington, D.C. 20360

Electronic Equipment Parts, Selected Standards

MIL-STD-242G(NAVY)

1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.
2. Recommended corrections, additions or deletions should be addressed to: Commander, Naval Electronic Systems Command, ATTN: ELEX 8111, Department of the Navy, Washington, D.C. 20360.

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FOREWORD

This Military Standard provides equipment designers and manufacturers with a list of electronic parts having quality levels most acceptable in the design and construction of Military systems and equipments. It also will aid to control and minimize the life cycle cost, improve reliability of equipment and minimize logistic support. The criteria used in selecting parts are as follows:

1. Application need. Parts must satisfy the widest range of design requiring reliable parts.
2. Technological maturity. The design of the part must be final and must use proven materials and technologies. It must have been in production for a period sufficient to ensure that the design and process parameters have been identified and adequate quality controls have been developed.
3. Availability. The part must be in production by at least one manufacturer whose previous performance indicates ability to qualify to specifications of this standard. There must also be reasonable expectation that the part will not be obsolescent for at least seven years. Microcircuits are excluded from this requirement because of rapid technological changes.
4. Test or usage history. Sufficient test or usage data to predict part reliability must be available.

In the event of conflict between the technical description of standard parts in this standard and the applicable specification, the specification shall govern.

Technical information included in this standard was obtained from military specifications and standards; no warranty is made of data accuracy, or that inclusion of these parts will assure equipment/systems will meet performance requirements of any contracts. The contractor is responsible for conducting necessary tests and inspections of selected parts to assure that contract requirements are met.

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This Military Standard will consist of twelve parts. The parts will be prepared individually and will contain the following subjects:

- Part 1 Synchros, Blowers, and Acoustical Parts
- Part 2 Crystals, Delay Lines, Coils, and Transformers
- Part 3 Resistors
- Part 4 Capacitors
- Part 5 Microcircuits and Semiconductors
- Part 6 Relays
- Part 7 Switches (Pushbutton and Sensitive)
 - Section 100 Rotary
 - Section 200 Thumbwheel
 - Section 300 Toggle, Pressure, and Thermostatic
- Part 8 Connectors
- Part 9 Circuit Breakers, Fuses, Lamps, and Meters
- Part 10 Wire and Cables
- Part 11 RF Components
- Part 12 Hardware

Review activities:
Navy - AS, SH, OS

User activity:
Navy - MC

Preparing activity:
NAVY-EC
(Project Number 59GP-N031)

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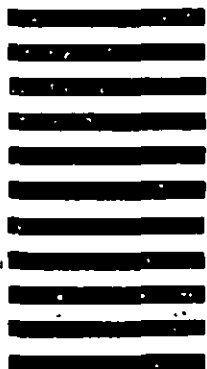
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